

# PREMIER+™ 2 Create

## Reference Guide

### Windows®

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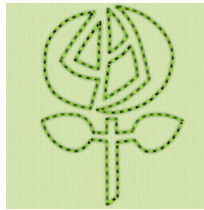
Welcome to PREMIER+™ 2 Create, the software that helps you create wonderful embroideries. Turn your favorite pictures into embroideries and see them on the screen exactly as you will sew them. Work with images from your favorite social media sites, scanner or digital camera, and use clipart or create your own pictures with the built-in drawing or painting tools.

## ExpressDesign Wizard

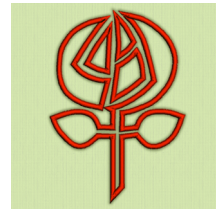
PREMIER+™ 2 Create includes the ExpressDesign Wizard. Use it to automatically create designs from a picture, load pictures for new designs, open an existing design or start a new design with no picture. The ExpressDesign Wizard can create designs to fit a hoop, fit a size you specify or fit an area you select. Choose from three design types:



Express Embroidery creates a standard embroidery design using satin, fill areas and outlining.



Express Trace traces outlines in a picture to create, for example, redwork, quilt stencils and so on.



Express Border creates satin border, appliqué, running stitch, triple stitch or motifs around the edges of solid color areas in the picture.





## Creating Pictures

Create your pictures using the drawing or painting tools and MiniPics. Filter and improve your pictures, or add interesting effects. Save drawings or pictures or send them to the ExpressDesign Wizard. Convert vector drawings to objects automatically.

## Quick Create and Shape Features

The Quick Create features QuickStitch™ and QuickTrace are alternatives to the ExpressDesign Wizard for creating sections of your design.






With QuickStitch™, click in an area and stitches are produced automatically in an instant! Choose to embellish your designs with motifs, running, double or triple outline stitches, motif lines, borders with any combination of straight lines and curves or appliqué, creating a fill area, line, or satin area.





The QuickTrace feature automatically creates stitches that follow a continuous line. Create a Double trace , Quadruple trace , Satin line  or Motif line  trace.

Also in Quick Create, create one of 75 shapes automatically as a fill area or line.

## Freehand and Precise Create Features

The Freehand Create and Precise Create features allow you to work with your stitches in detail. Draw an outline, place points, or draw Bezier curves around an area of the picture, and the stitches appear with your choice of pattern. Include a satin stitch or other line border if you wish, and set the angle of stitching to any degree. Insert holes where you choose.


Choose Satin Column  (including over 250 patterns, and multigradient and multicolor gradient options for color blending), Satin Areas  or constant width Satin Lines  and emboss them with needle point highlights. Create Feathered Satin  and texture either or both edges of a satin stitch for special embroidery effects on fur or flowers. Create columns of Tapered Motifs .










Make cutwork designs easily with Richelieu Bars  and Running Stitch with cutwork needle lines. Use other features such as Double Zigzag stitch , Crosshatch Fill  and Curved Crosshatch Fill  to create free-standing lace.


Add individual stitches in straight or curved lines of Running, Double and Triple Stitch from 1 to 12mm.

## Design Choices

Adjust designs using easy editing features: Navigate around the design with the Filmstrip, change easily between lines, fills, stitch types and patterns and so much more. Appliqué options offer four stitchout methods including export for automatic needles or fabric cutters.

Fill patterns and techniques are amazing – choose from over 250 fill patterns  or make your own. Emboss patterned fill or satin areas, or columns, with personal highlights. Set the start and end of fill areas if desired and use up to 500 holes. Use single gradient density to produce beautiful shading effects, and multicolor gradient density to produce gradual shimmering color changes.

Beautiful fill types include Radial , Spiral , Shape  Fill with 75 shape options and motif options, QuiltStipple , Contour , Crosshatch  Fill. MultiWave  Fill creates flowing waves of stitching with motif options. Echo  Fill repeats any area with shadow effects. Curved Crosshatch Fill  provides wonderful intersecting patterns for three-dimensional effects.


Choose from machine stitch Motifs or Universal Motifs such as the beautiful Hand Stitches for Motif  Fill areas. Even create your own motifs!

Insert existing designs, embroideries, lettering or SuperDesigns into your project. Grouping features allow you to keep smaller parts of your design together.

## Finding Information


### User's Guide and Reference Guide

The User's Guide and Reference Guide show how to start the module and provide a quick tour of the main screen. This is followed by information on key features, together with


short 'How-To' examples, which will help you learn how to use the module. The Reference Guide additionally contains full reference information. The Reference Guide is supplied in PDF format , ready for printing.

## Tooltips and Online Help

To learn about a function, position the arrow pointer over its icon. A tooltip with the function name and some information will appear.

The online help contains the 'How-To' examples and full reference information. Use the Help icon , press F1 or click the Help button. Where available, a help topic will appear that is relevant to the item where help was requested.

## Sample Guides


The Sample Guides show examples of the Fonts, Motifs and Stitch Types that are available in the PREMIER+™ 2 Embroidery System. The Sample Guides are supplied in PDF format , ready for printing.

## Viewing and Printing PDF Guides

To find all the Reference and Sample Guides for your PREMIER+™ 2 Embroidery System software, in Windows® 10 and 8 select the Desktop tile on the start screen. Then in Windows® 10, 8 or 7, double-click the PREMIER+™ 2 Embroidery System shortcut on your desktop, and double-click Reference Guides or Sample Guides. Select the desired PDF guide.

*To view and print the PDF Guides, you will need a PDF reader such as Windows® Reader (included in Windows® 10 and 8) or Adobe® Reader (available from adobe.com).*

## Readme

The most up-to-date details about the PREMIER+™ 2 Embroidery System are in the Readme.rtf file . (Double-click on a Readme file to open it in WordPad or Microsoft® Word.)

## Internet FAQs

The Internet FAQs option on the Help tab connects to a database of frequently asked questions about the PREMIER+™ 2 Embroidery System. Search topics relating to the module you are using, or search all topics.

## Tutorials

The Learning Center option on the Help tab connects to tutorials in the Internet Learning Center. The tutorials or interactive training exercises provide a 'show-me' experience that will help you learn how to use key features of the software.



## Sample Files

Samples are included that are shown in the 'How-To' examples and tutorials. The sample files will be installed to subfolders of Documents\Premier+2\Samples\Create or the folder of your choice.



# Where to Start

## Starting PREMIER+™ 2 Create

### Windows® 10; Windows® 8 Start Screen

- 1 At the bottom left of your computer screen, open the Windows® 10 or Windows® 8 Start Screen.
- 2 Type "Prem" and the Search Screen will appear.
- 3 Ensure Apps is selected.
- 4 Click on PREMIER+™ 2 Embroidery  to launch it.
- 5 After starting PREMIER+™ 2 Embroidery, click the PREMIER+™ 2 Create icon  on the QuickLink toolbar. PREMIER+™ 2 Create will start.



### Windows® 7 Start Menu

- 1 Click the Start button at the bottom left of your computer screen and the Start menu appears.
- 2 Move the arrow pointer to All Programs and another menu will appear.
- 3 Move the arrow pointer to PREMIER+™ 2 Embroidery System and a menu of programs will appear.
- 4 Click on PREMIER+™ 2 Embroidery  to launch it.
- 5 After starting PREMIER+™ 2 Embroidery, click the PREMIER+™ 2 Create icon  on the QuickLink toolbar. PREMIER+™ 2 Create will start.



## Shortcuts

An alternative to the Start screen/menu method described previously is to use a Shortcut to PREMIER+™ 2 Embroidery. This is created automatically during the installation process.

### Windows® 10 (Start Screen); Windows® 8

- 1 Click on the PREMIER+™ 2 Embroidery  tile in the Start Screen.
- 2 After starting PREMIER+™ 2 Embroidery, click on the PREMIER+™ 2 Create icon  on the QuickLink toolbar. PREMIER+™ 2 Create will start.

### Windows® 10 (Desktop); Windows® 7


- 1 Close or minimize any programs you have running.
- 2 Double-click on the Shortcut to the PREMIER+™ 2 Embroidery System folder. A list of the programs appears.
- 3 Double-click on PREMIER+™ 2 Embroidery  to launch it.
- 4 After starting PREMIER+™ 2 Embroidery, click on the PREMIER+™ 2 Create icon  on the QuickLink toolbar. PREMIER+™ 2 Create will start.

## Closing PREMIER+™ 2 Create

### Exit

Ends the PREMIER+™ 2 Create session. You can also use the Close command on the PREMIER+™ 2 Create Control menu.

### Shortcuts

- Mouse: Click the Close icon  on the title bar or double-click the Control menu box.
- Keys: Alt + F4

*When you close PREMIER+™ 2 Embroidery, all other PREMIER+™ 2 Embroidery System modules will close automatically.*



## About PREMIER+™ 2 Create

Access via the Help tab. The version number of PREMIER+™ 2 Create is given here. You will need this if you contact technical support at any time.

### Shortcut

- Keys: Alt, L, A

# Parts of the Software Window

## Title Bar

The title bar at the top of the window is highlighted if PREMIER+™ 2 Create is active.



The Quick Access toolbar gives icons for the following frequently used features: Insert, Save, Save As, Export, Print, Change Hoop, Undo, Redo, Life View and Design Player.

If more than one instance of PREMIER+™ 2 Create is open, each open window will show the name of the embroidery file.

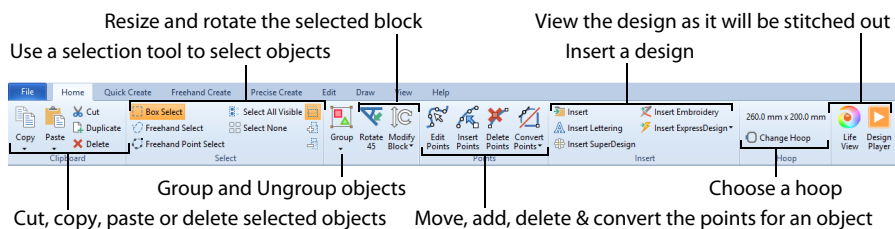
## Ribbon Bar

There are 9 tabs on the ribbon: File, Home, Quick Create, Freehand Create, Precise Create, Edit, Draw or Paint, View and Help.

*Either the Draw or Paint tab is available for each design, not both. The options on the File menu are different when you use the Draw or Paint window.*

*An alternative way to access ribbon options is to press the Alt key, then the highlighted letter of the tab, followed by the highlighted letter of the tab item, e.g. Alt, H, M, S to resize the design to fit the current hoop. Some functions are available by pressing the Ctrl key and another key at the same time. These shortcuts are shown in the tooltip for the relevant function.*

Use the Home tab to select, copy, Group, move, resize and rotate parts of a design; to add, change and remove points in object outlines; to insert designs, embroideries, letters, ExpressDesigns and SuperDesigns; to change the hoop, and to display embroideries with Life View and Design Player.



Use the Quick Create tab QuickStitch™ and QuickTrace features to create fills, lines and satin areas automatically by clicking color areas in the picture. Use the Shape features to create fill or line shapes instantly in the design area, ready for resizing.

Use the Freehand Create tab to draw the outlines for lines, satin and fill areas with a pen on a graphics tablet, or by dragging with the mouse. Draw to add holes, emboss lines and MultiWave lines to fill areas. Place points to create Satin Columns, Feathered Satin, Richelieu Bars and Tapered Motif columns.

Use the Precise Create tab to place a series of points or Bezier curves that define the outline of lines, fills and satin areas. Place points or Bezier curves to add holes to fill areas, and to create Satin Columns, Feathered Satin, Richelieu Bars and Tapered Motif columns. Place points to add emboss lines and MultiWave lines to fill areas.

Use the Draw tab to load or create a vector drawing for your design. Modify a drawing as desired, or make your own drawing. Alternatively, load a raster image to use as a background. Create motifs, or stamps for PREMIER+™ 2 Modify, too.

Use the Paint tab to load, scan or create a background picture for your design in the Paint window. Modify a picture as desired, or draw your own picture.

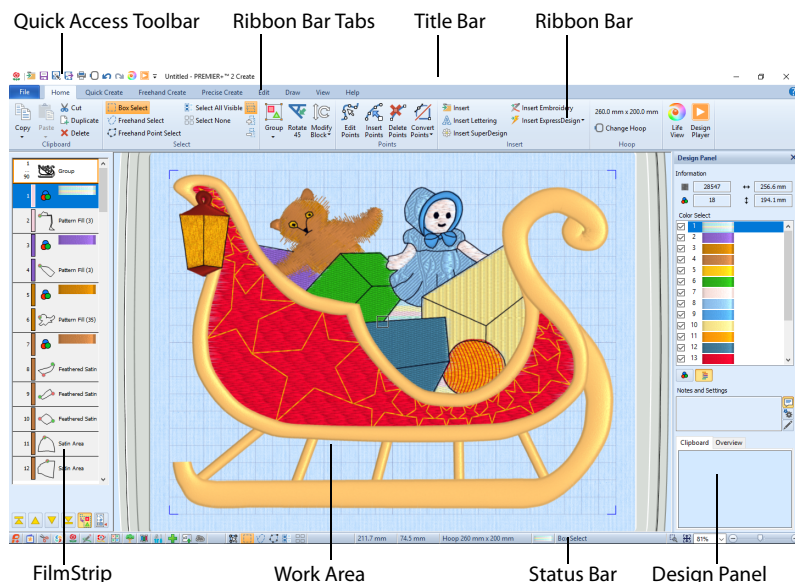
Use the View tab to adjust the Grid, measure the design, show and fade the background picture, show the FilmStrip, and change the view mode or hoop.

## Windows

PREMIER+™ 2 Create uses three windows: Design, Draw and Paint. Switch between windows by clicking the tabs at the top of the window or with Ctrl + Tab. All the tabs of the ribbon bar use the Design Window except for the Draw or Paint tab.

*Either the Draw or Paint window is available for each design, not both.*

### Design Window



Use the Design window to add new areas, lines and columns of stitching, as well as commands, to your design, and to change the properties of stitching that you have already created.

Create stitch areas and lines using the QuickStitch™, QuickTrace, Freehand and Precise Create features on the ribbon bar tabs. Choose colors, and select a line or fill type for stitch lines or borders such as single, running, double, double zigzag, triple, satin or motif lines; for fills such as pattern fill, motif fill, shape fill and crosshatch fill; for Richelieu bars and tapered motifs, and for satin columns and areas. The Design window shows a 3D, 2D or Object outline representation of the stitches in the design. To see the stitches with no objects selected, use Life View or Design Player.

The points are shown on the work area for the currently selected object. Fill areas, satin areas and columns have markers that show where they start (S) and end (E). Some types of fill areas also have an origin (O) that affects the position of the stitch effects. There are also markers for Color Changes (C), Stop Commands (S) and Alignment Stitches (A).

To the left of the Design window work area is the FilmStrip, and to the right of the work area is the Design Panel. Use the Create tabs to create stitches, and the Edit tab, the FilmStrip and the context (right-click) menu to edit your design.

### FilmStrip

Use the FilmStrip to view the numbered sequence of objects, select objects, change the sequence of objects, select objects to display, delete objects, insert Color Changes and Stops, view and change the properties of selected objects and globally change the properties of objects.

### Create Tabs

Use the Create tabs Quick Create, Freehand Create and Precise Create to create stitch objects.

At the left of each Create tab are the color change tools, and the Fill Area and Line section for selecting lines, fills and their borders.

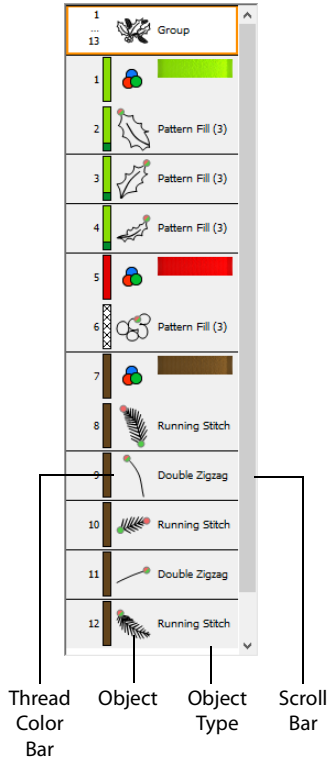
Use the Create tools QuickStitch™, Quick Trace, Shape, Freehand and Precise Create, to create lines and fills. Create satin areas with QuickStitch™, Freehand or Precise tools. Use Column in the Freehand Create and Precise Create tabs to create Satin Column, Feathered Satin, Richelieu Bars or Tapered Motifs. Set the properties for your stitch types in the Options area.

Emboss lines on fill and satin areas and columns, create MultiWave lines in MultiWave fill areas, and cut holes in fill areas.

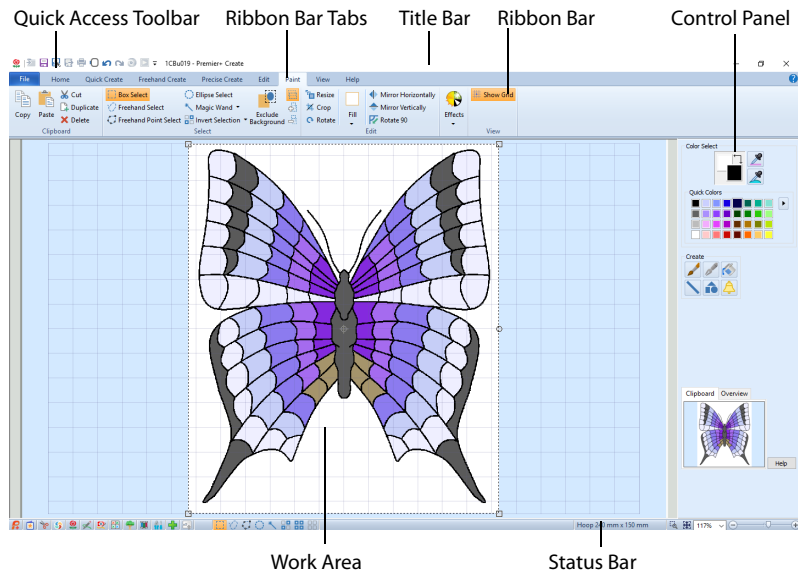
Use the Edit tab to select objects to edit, manage fill patterns, and delete Emboss lines, MultiWave lines and holes.

### Design Panel





The Design Panel contains the color worksheet, notes and settings for the design, and the Clipboard and Overview window.




# Paint Window



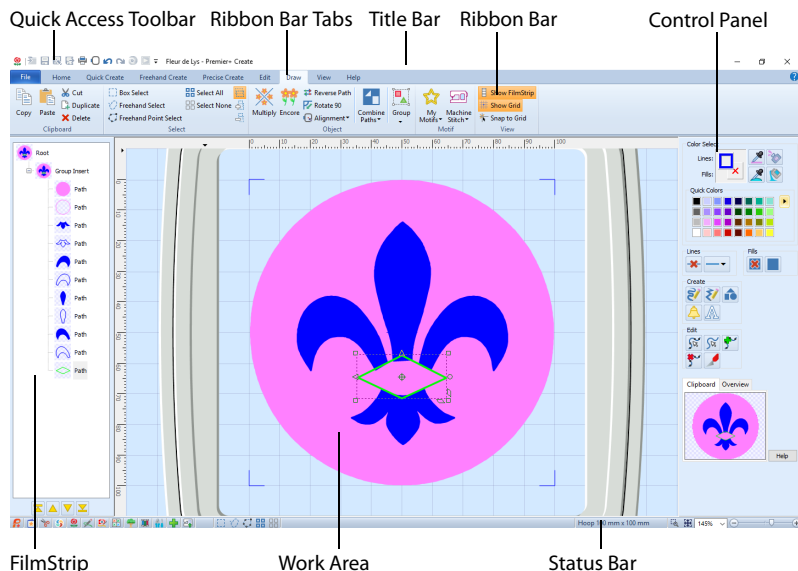
Use the Paint window to load, scan or create a background picture for your design. Load pictures from many social media sites. Modify a picture as desired, or draw your own picture. The Paint window contains a control panel to the right of the work area, in addition to the ribbon tab.

In the Paint tab, select part of your picture with one of the range of selection tools, and modify it with picture editing tools such as Crop , Rotate  and Mirror ( or ).

## Control Panel

To the right of the Paint window work area is the control panel. At the top are Image effects enabling you to alter all or part of the picture. Select colors in the color box showing the foreground and background colors, and a color palette of 32 common colors, or select a greater range of colors using one of the Themes, or your own Custom Theme. Add to your picture with paintbrush, pen and fill tools, or add MiniPics .

# Draw Window



Use the Draw window to load or create a vector drawing for your design. Modify a drawing as desired, or make your own drawing to create a motif or stamp. Alternatively, load a raster image to use as a background. In addition to making embroidery designs, use a drawing to create a motif for the My Motifs category, or a stamp for PREMIER+™ 2 Modify. The Draw window contains a FilmStrip to the left and control panel to the right of the work area, in addition to the ribbon tab.

The Draw tab has tools for copying, selecting, grouping and rotating objects as well as creating motifs and machine stitches.

## FilmStrip

To the left of the Draw window work area is the FilmStrip. The FilmStrip displays the objects such as the lines, fills and groups in the drawing, and enables you to move objects within the drawing.

## Control Panel

To the right of the Draw window work area is the control panel. At the top is the color box showing the line and fill colors, and a color palette of 32 common colors, with Themes enabling you to use many more colors.

The middle section has tools for drawing and editing pictures. The tool options change according to the drawing tool being used.

## Title Bar

The title bar at the top of the window is highlighted if PREMIER+™ 2 Create is active. The title bar shows the module name and the name of the currently loaded design or picture.

## Work Area

The work area is the area where the picture is displayed and edited, and the design is created and edited.

## Clipboard Block

In the Design window the Clipboard Block shows the selected objects that may be pasted into the work area. In the Draw or Paint window the Clipboard Block shows the part of the picture that may be pasted.

*Click in the clipboard to remove the current Clipboard Block.*

## Overview Window

The overview window gives a small overview of the whole work area for the design.

## Status Bar

The status bar is found at the bottom of each window. Starting from the left, the status bar shows:

### Paint Window

- The QuickLink Toolbar.
- The selection tools.
- The hoop size.
- The zoom tools and Zoom Bar.

### Draw Window


- The QuickLink Toolbar.
- The selection tools.
- The hoop size.
- The zoom tools and Zoom Bar.


### Design Window






- The QuickLink Toolbar.
- The selection tools.
- The horizontal and vertical distance of the mouse pointer from the center of the embroidery.
- The hoop size.
- The thread color for the next object(s) to be created.
- The current creation tool or selected type of object.
- The zoom tools and Zoom Bar.




# PREMIER+™ 2 Create Terms and Conventions


## On-screen Pointers






The pointer is most commonly shown as an arrow  on the screen.



If it is positioned over a text box it changes to an I-bar  and you can type, such as the Edit Notes dialog box in the Design Panel.



If Zoom To Rectangle  is chosen, the Zoom In pointer  appears. If the Pan feature is used to move around the screen, the Pan cursor  appears. If Get Length  is chosen the Measure pointer  appears.



In the ExpressDesign Wizard Rotate and Crop Picture page, the pointer becomes a double-headed arrow  when you move the crop lines or a four-headed arrow  when you move the crop area. Also, for an Express Embroidery, the pointer becomes an eyedropper  to pick colors from a picture for thread colors or pick a background color.






In the Freehand Create tab, if the Freehand Create functions are used the pointer becomes a pen .





In the Precise Create tab, if the Precise Create functions are chosen the pointer becomes a circle , and in Bezier Mode when lines are drawn the pointer becomes a Bezier Mode pointer . In Bezier Mode, when points are converted to Symmetric the pointer becomes the Convert Points to Symmetric pointer , when points are converted to Smooth the pointer becomes the Convert Points to Smooth pointer , and when points are converted to Corner points the pointer becomes the Convert Points to Corner pointer .








When node points on Point Lines or Bezier Lines are adjusted, or the Fabric handle  is used to adjust a fabric, the pointer becomes a small cross  (a Move pointer).







If Insert ExpressDesign  is chosen, the Draw Rectangle pointer  appears.

When a Pick Color  function is selected, the eyedropper pointer  appears.


The Box Select pointer , Freehand Select pointer  or Freehand Point Select pointer  appears when the associated Select function is chosen. The Ellipse Select  pointer or Magic Wand  pointer appears when these functions are chosen in the Paint window.




There are several pointers indicating functions in the selection box. The Rotate pointer  appears when the mouse pointer is over the Rotate handle . The cross-hair pointer  appears when the mouse is over the center of rotation .

The diagonal double-headed arrow  pointer appears when the mouse pointer is over a square corner handle . The horizontal double-headed arrow  pointer appears when the mouse pointer is over the Flip Horizontal handle . The vertical double-headed arrow  pointer appears when the mouse pointer is over the Flip Vertical handle . The pointer becomes a four-headed arrow  (a move pointer) when it is over a selection box.

In the Paint window the pointer changes to the paint bucket  when Flood Fill  is selected, the brush pointer  when Paintbrush  is selected, and the calligraphy pointer  when Calligraphy  is selected.



The Create Cursor  is not a mouse pointer, but is a marker that shows the position where the next object will be added if it is at the end of the design. These cursors only appear when at least one object has been digitized on the current character or SuperDesign, and one of the Create tools is selected.

- When objects will be added at the end of the design, the cursor is pink .
- When objects are to be inserted (i.e. the selected object is not the last object in the design), the marker showing the final point of the selected object is orange .
- When objects are to be inserted, a blue marker  shows the position of the first point in the next object in the design.

## Touch Gestures

Touch gestures are used when viewing and moving embroideries in the PREMIER+™ 2 Embroidery System. They are available when using a touch-sensitive screen.

### General

#### Select and move

One finger touch and one finger slide are equivalent to click and drag with a mouse. Use to move embroideries, select, draw or create stitches with freehand features, and so on.

#### Autoscroll

When you drag within a document, the autoscroll feature moves the pointer automatically, changing the view of the work area.

This is useful when zoomed in. Use autoscroll while moving or resizing a selected embroidery.

- Use a two finger swipe on the work area.

#### Pinch to zoom

Pinch two fingers to zoom in, and spread two fingers to zoom out.

#### Context menu

Press and hold and a context-sensitive menu will appear if available (similar to a right-click).

## File Formats





### Picture Files

PREMIER+™ 2 Create can load any of the following picture file formats: Windows or OS2 Bitmap (.bmp), JPEG-JFIF Compliant (.jpg, .jif, .jpeg), Portable Network Graphics (.png), Tagged Image File Format uncompressed (.tiff, .tif), 4QB (.4qb), QuiltSewClever / Quilt Artist / Shirley Stitcher QCC (\*.qcc), Windows Meta File (.wmf), Windows Enhanced Meta File (.emf), CorelDraw (.cdr version 7-13, .cmx), Encapsulated PostScript File (\*.eps), Scalable Vector Graphics (.svg), HPGL (\*.hp and \*.plt), PC Quilter (\*.txt), Statler Stitcher (\*.qli), AutoCAD (\*.dxf), CompuQuilter (\*.cmd and \*.cqp), Handi Quilter (\*.hqf),

IntelliQuilter (\*.iqp) and Windows Icon (.ico). In addition, the ExpressDesign Wizard can load .4dq files produced by the Grace Company PatternCAD module.

PREMIER+™ 2 Create can save a picture in any of the following picture file formats: Windows or OS2 Bitmap (.bmp), JPEG Low Quality (.jpg), JPEG High Quality (.jpg), Tagged Image File Format uncompressed (.tif) and Portable Network Graphics (.png). A drawing may be saved in 4QB (.4qb) format and used to create a motif, or a stitch for certain sewing machines, or a stamp for PREMIER+™ 2 Modify.

The picture or drawing is also saved as part of the design outline (.edo) file.

PREMIER+™ 2 Create can upload pictures and videos of embroidery designs from Design Player and Life View to the social media sites Facebook® , Flickr® , Twitter®  and YouTube® .

## Design Files

PREMIER+™ 2 Create loads and stores embroidery designs (design outlines) in files with the extension .edo. When a design is saved, the picture is saved with it.

*PREMIER+™ 2 Create can insert a .can outline file (from 5D™ Design Creator). If the .can file contains a picture, the picture will not be loaded.*


## Embroidery File Formats

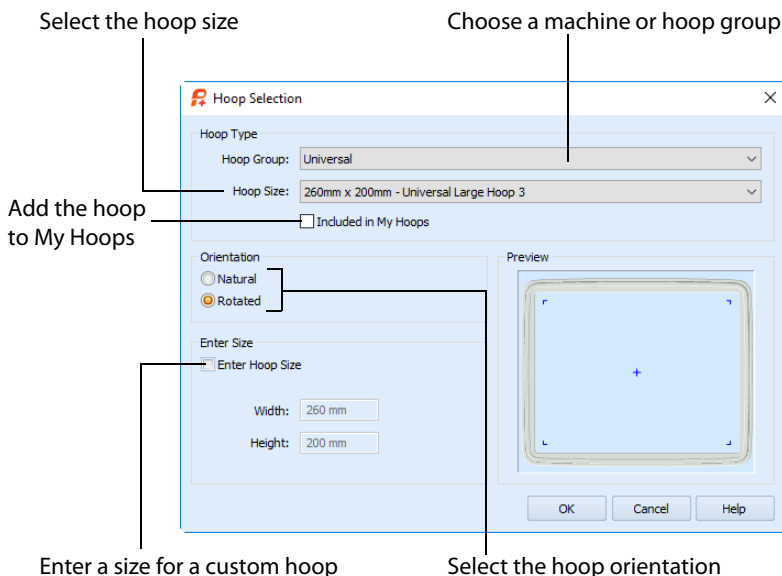
PREMIER+™ 2 Create can insert any of the following embroidery file formats: Bernina (.art version 1, 2, 3), Brother/Baby Lock/Bernina PEC (.pec), Brother/Baby Lock/Bernina PES (.pes version 2 - 10), Compucon/Singer PSW (.xxx), Husqvarna Viking / Pfaff (.vp4, .vp3 and .vip), Husqvarna (.hus, .shv and .dhv), Janome (.jef and .sew), Melco (.exp), Pfaff (.pcs), Tajima (.dst) and Toyota (.10\*).

PREMIER+™ 2 Create exports any of the following embroidery file formats: Husqvarna Viking / Pfaff (.vp4 and .vp3), Brother/Baby Lock/Bernina PEC (.pec), Brother/Baby Lock/Bernina PES (.pes version 2 - 10), Compucon/Singer PSW (.xxx), Husqvarna Viking / Pfaff (.vip), Husqvarna (.hus, .shv), Janome (.jef, .sew), Melco (.exp), Pfaff (.pcs), Tajima (.dst) and Toyota (.10\*).

*The preferred file format for exporting embroideries is .vp4 format as this will preserve the separate parts of multipart designs. It also preserves hoop, background and appliqué information, thread colors and notes.*

# Hoop Selection


Use Hoop Selection  to choose the hoop size you wish to use in PREMIER+™ 2 Create. Set the hoop size according to the size of your embroidery or the hoop you wish to use for stitching out, or enter any other desired size. Add hoops to your My Hoops group.



Use the hoop as a guide to check the final size of the embroidery. If there is a warning about the embroidery being too large for the hoop, you may save the embroidery anyway, then change to a larger hoop.

When you change hoop, you can change the size of the design in the work area automatically to fit the new hoop with *Scale to Fit Hoop* in the *Modify Block* menu on the *Home* tab.

## Shortcuts

- Quick Access Toolbar; Home Tab; View Tab, Hoop: 
- Keys: Ctrl + H; Alt + 6; Alt, H, H; Alt, V, H

## Hoop Group

The drop-down list of Hoop Groups shows all the machine Hoop Groups, and the My Hoops group, if used.

## Hoop Size

The drop-down Hoop Size list shows the hoops in the chosen Hoop Group. Select the desired hoop size and a picture of the hoop will be shown in the Preview.

## Included in My Hoops

Select (check) Included in My Hoops to add the selected hoop to the My Hoops list. Use the My Hoops list to create a list of your favorite hoops.

*The selected hoops will be displayed in the My Hoops group in the order that they were selected.*

## Orientation

Select Natural or Rotated orientation according to the shape of the embroidery that is to fit in the hoop. Natural orientation is similar to the way the hoop would appear when you sit in front of your machine; note the position of the bracket.

*It is recommended to use natural hoop orientation for designs with Twin Needle colors.*

## Enter Size

To enter a hoop size that is not listed in any of the Hoop Groups, click the Enter Hoop Size box so that it is selected (checked). The Width and Height boxes will become available. You can enter any size from 10mm to 4000mm. The preview shows the shape of the hoop you enter.

*If you position the arrow pointer over the box without clicking, the alternative units and range will be shown.*

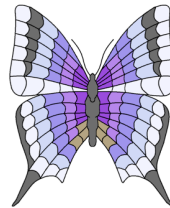
# The Design Creation Process

## 2

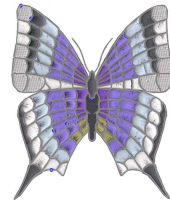
PREMIER+™ 2 Create is used to create designs for embroideries.

*You can use a design made in PREMIER+™ 2 Create to create an embroidery at any time, and can use the same design to create otherwise identical embroideries for different hoops.*

There is no need to directly manipulate individual stitches.

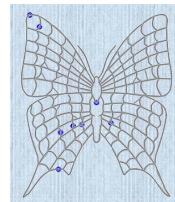
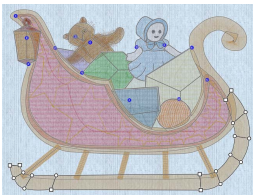


Start with a picture.



View and create objects in the design in the Create tabs.

Use the ExpressDesign Wizard to create a design.







View and edit objects as 3D, 2D or outlines.











Add areas, for example tapered motifs or Richelieu Bars, or insert new elements.


Edit areas, for example to specialty fills.

Use File, New , or File, New Window  to start a new design with the ExpressDesign Wizard. In the wizard you can create a new design automatically, load a picture for a new design, load an existing design or start a new design with no picture.




On the main screen, you can Insert  a design, or in the File menu Open  a design, Open Recent or Load a Design with Drag and Drop. Use Insert to load a .can design outline file.

When starting from a blank design, you may simply choose a hoop, and start creating your design with the Freehand, Precise, Command and Column features. However, it is more common to follow a picture when creating a design. Create your own picture using the functions in the Draw and Paint windows. Open an existing drawing with Open Drawing  or Insert Drawing . Open an existing painting with Open Picture , Insert Picture , or use From Scanner or Camera  to load a picture from a scanner or digital camera.

*To open an embroidery as a design, use File, New  or File, New Window  to start a design with no picture, and Insert Embroidery  to convert an embroidery to a design.*

After creating or editing your picture as desired, it is recommended to save it. Then either send the picture to the ExpressDesign Wizard  from the File menu, or go to the Design window and start creating your design with QuickStitch™, Freehand and Precise features.

Insert existing designs, embroideries, lettering or SuperDesigns into your project.

Save finished designs with Save  or Save As , then create an embroidery with Export .

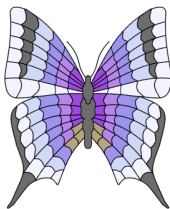
## How to Create New Designs

There are three ways to make a new design:

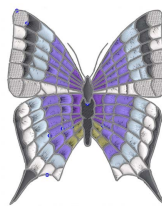
- Create a design automatically with the ExpressDesign Wizard. The wizard requires a picture to convert to a design.
- Load or draw a picture, then make a design by following the picture automatically with the QuickStitch™ and QuickTrace features in the Quick Create tab. Additional design elements can be added using the Freehand Create (drawing outlines with a mouse or on a tablet) or Precise Create (placing points or drawing Bezier lines) functions, as well as Shapes and columns.
- Create a free-form design with no background picture, mainly using the Freehand Create, Precise Create, column, Shape and command features.

# The ExpressDesign Wizard

Use the ExpressDesign Wizard to create new designs automatically from pictures. There are three design types that can be created in the ExpressDesign Wizard: Express Embroidery, Express Trace and Express Border.









From a picture...



... to a complete design and embroidery.

There are three ways to start the ExpressDesign Wizard to create a new design.

- Use File, New , or File, New Window , to clear the PREMIER+™ 2 Create screen and create a new design.
- In the Draw or Paint window, use File, Send To Wizard  to send the current picture to the ExpressDesign Wizard.
- Use Insert ExpressDesign  to create a new design in the ExpressDesign Wizard that fits proportionally in a rectangle you draw, or to fit the current hoop.

Additionally, when started with File, New , or File, New Window , the ExpressDesign Wizard can be used to load a picture for a new design, load an existing design or start a new design without a picture.

## Using Existing Designs



Any design can be used as the starting point for a new design. This includes a design you may have just created with the ExpressDesign Wizard, which you can modify and embellish as desired.






For example, a design might be changed dramatically by adding or removing a border, changing the fill type, or changing the pattern in a fill area. Also, for a design that you wish to use at a different size, you could change line types from satin to running, triple or motif stitch. Any line or area can be changed to appliqué.

Use existing designs, and designs created in the ExpressDesign Wizard, to create new designs and design collages.

## What Makes a Design

A design in PREMIER+™ 2 Create is composed of areas, lines, columns and commands.

- Fill Areas and Lines  
The area features are used to create many different types of filled or stitch areas in which fills, for example Pattern fill , (and holes) can be placed. Also create Running stitch .




Double stitch , Double zigzag , Triple stitch , Satin  or Motif lines . Lines may be created alone or to border an area.

*Lines are defined by points, which can be moved to change the shape of the line, or an area it encloses.*

#### ■ Columns

The column features are used to create Satin Column , Feathered Satin , Richelieu Bars  and Tapered Motifs .

#### ■ Commands




Commands are instructions such as a change of thread Color , an alignment stitch , or a Stop .

*The term 'object' is used to refer to any or all of these.*

When an embroidery is created from a design, each line or area is converted to stitches, and the stitch order is controlled by the order of the objects in the design.






*You can see the order of objects in the FilmStrip.*

There are several ways to add objects to a design:

- Use the ExpressDesign Wizard to create a whole design, with all the necessary lines, areas and commands. Edit or add to the design as desired.
- Use the Create tabs to add new objects to a design which can be based on a picture shown in the background, and to change the properties of those objects.
- Use the Home tab to insert complete design elements, embroideries , font characters , SuperDesigns , or to copy and paste selections.

## Pictures

Most designs are based on pictures, either by using the ExpressDesign Wizard or by using the functions of the Create tabs to follow a picture. The Draw and Paint windows of PREMIER+™ 2 Create can be used to edit existing pictures and create new pictures.



*When a picture is loaded by the ExpressDesign Wizard, the colors may be reduced. This is to make it easier to use the QuickStitch™ features. If you wish to avoid this, in the Draw Window use Insert Drawing  or Open Drawing , and in the Paint Window use Insert Picture , Open Picture , or From Scanner or Camera .*

### Changing a Picture During Design Creation


You can change a picture during the design process. For example, you may wish to break up or merge color areas so they produce the desired result with QuickStitch™ or QuickTrace. You can also draw new features, insert MiniPics, move, copy and resize selected areas and so on.




# Choosing and Optimizing Pictures for the ExpressDesign Wizard

If you wish to modify a picture before using it in the ExpressDesign Wizard, you will need to load it directly into the Draw or Paint window. Click File, New , or File, New Window , and choose the appropriate option, then load your picture. You can also load a picture in an open Draw or Paint window.

*Only vector images may be adjusted in the Draw window. Raster images may be used as a background in the Draw window, or edited in the Paint window.*

Use the Draw or Paint window to adjust your picture, save it with a new name, then use the new picture in the ExpressDesign Wizard by using File, Send To Wizard .

When vector pictures are sent through the wizard  from the Draw window using the 'Retain individual object layers' option, the order of embroidery matches the Draw window FilmStrip order.

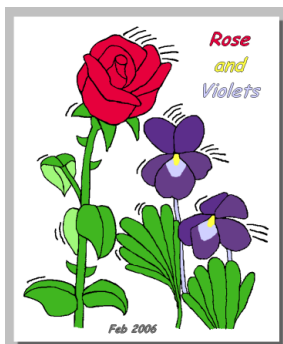
*Lines are converted to running (0.5 or 1mm), triple (2mm), or satin (3mm or above) depending on their width. Filled areas are converted to pattern fill.*

*Running stitch and Triple stitch length is 2mm and Satin density is 4 initially. Fill is pattern 3 and density 2. It is recommended to keep your original picture in case you wish to adjust it again with different options.*

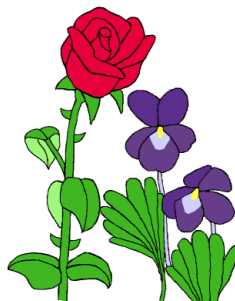
## General Considerations

The ExpressDesign Wizard works best with pictures that have well defined color areas and outlines.

You may also wish to tidy up a picture before using it in the ExpressDesign Wizard, by deleting elements that are not required. Some pictures have stray or irregular lines and shapes that are not part of the main picture. For example, lines that add emphasis or suggest movement, speech or thought bubbles, decorative symbols, undesirable text, date marks, and so on.



Before tidying: there are sections of text and emphasis lines in the picture



After tidying: the essential part of the picture is retained

*In the example, the border has also been removed. Alternatively, this could be done in the Rotate and Crop Picture page of the ExpressDesign Wizard. However, this rough crop has left white space around the edges of this picture. The Rotate and Crop Picture page of the ExpressDesign Wizard will now automatically remove the extra white around the edges, without requiring further adjustment.*

## Picture Proportions

To fill the hoop or rectangle, the picture proportions should be similar to the proportions of the hoop or rectangle you draw. The Rotate and Crop Picture page of the ExpressDesign Wizard can be used to crop the picture to the desired proportions.

## Cleaning a Picture

Some pictures may have random marks, speckles or excess details. If desired, use the Picture window to clean up your picture before using it in the ExpressDesign Wizard. For example, you may have an outline in a picture that is serrated on one side. Smoothing such an outline will usually give better results, particularly from Express Trace and Express Border.



Before cleaning: the line has shading serrations and there are dust marks from the scan



After cleaning: the line is smooth and the dust marks have been removed

## Enhancing Details

The significance of details in a picture is dependant on the overall size of the picture after it is cropped, so small details are more significant in a small picture. Also, small details are enlarged as the size of the created design increases, so extra detail may appear if you simply make a larger design with the same picture.




However, very small details in a picture may sometimes be ignored, as they may not have enough significance to be created as an area or outline in the embroidery. To enhance details, select Picture Options in the ExpressDesign Wizard, ensure Expand Pixel-Thin Lines is selected and set the Area Sensitivity to High. If this does not work, either enlarge the details in the Paint window, or, for outline details, connect small details together so they are created as a single outline.

Thick lines in a picture may be created as satin border when you would prefer regular outlining for a more detailed effect. To automatically reduce thick outlines, select Reduce Thick Lines in the Picture Options.

## Patching Gaps in Paintings

Some paintings may have unwanted gaps in outlines that are too small to pick out easily. This can affect all the ExpressDesign Wizard design types. Outlining for an Express Embroidery and tracing for an Express Trace may not work as desired. Also, it may not be possible to make properly enclosed areas for Express Border. If you suspect your picture may have gaps, you can test your picture with flood fill in your picture editor, then patch up any gaps that are found.

### Patch the Gaps in a Drawing of a Lion







- 1 Open the painting in the Paint window with File, Open Picture  or File, Insert Picture .
- 2 Choose contrasting foreground and background colors, so that it will be easy to see which color is being used. Try to choose bright colors that are not already used in the picture. If the picture is a black and white line drawing you wish to colorize, simply choose the color you desire for the area.
- 3 Select Flood Fill .
- 4 If adjacent areas are different colors, then right-click in the adjacent areas to fill them with the background color.
- 5 Click in one of the areas to fill with the foreground color. If there are gaps in the outline around the area, more than one area of the picture will be flood filled.



Click in an area to fill it

Draw lines to patch the gaps

The outline is now complete

- 6 Click Undo  until the flood fills have been undone and the picture is in its original state.
- 7 Use Pick Color  to select the color used for the outline around the area.
- 8 Click Paintbrush  and select the first line thickness.
- 9 Zoom In  to the outline to find the gaps, then draw lines to fill any gaps in the outline. *In the example, only gaps in the outline around the body have been patched. There are other outlines that need patching.*
- 10 Select the foreground color again, test with Flood Fill  and Undo . When only the expected area is flood filled, that part of the picture is ready for the ExpressDesign Wizard.
- 11 Repeat for other areas of the picture where you suspect there may be gaps.

## Pictures for Express Embroidery

Many types of picture are suitable for creating an Express Embroidery. The primary factor, however, is to use pictures with well defined color areas and/or well defined outlines. Pictures that have complex color areas, such as photographs or scanned pictures that

have not been cleaned up, can be used to create and Express Embroidery, but you may not get the best result unless some time is spent modifying the original picture.

## Keeping and Removing Parts of the Background



In some pictures, you will want to use the option to remove all of the background color. However, this may also mean that some parts of the picture you wish to keep will not be included in the design. For example, if you have a cartoon character, the whites of the eyes or teeth might be removed if you remove all of the background color. To prevent this, use a false color, such as gray, to flood fill the white parts you want to keep, then change the gray thread color to white after finishing the ExpressDesign Wizard.



The eyes are white, and so are the gaps between body and legs



The eyes are gray and will no longer be removed with all background areas

Some pictures may have graduated backgrounds, but you need to remove all of the background. In this case, use Pick Foreground Color , in the Paint window, to select the main background shade, then Flood Fill  all the other shades in the graduated background so that the background is a single color. This will also prevent the multiple colors in the graduated background from interfering with color optimization on the Choose Thread Colors page of the ExpressDesign Wizard.

## Pictures for Express Trace

Pictures are converted to black and white using the Monochrome Threshold in the ExpressDesign Wizard. The objective is to end up with a black and white line drawing, that can be traced using only one color. If there are large solid areas that cannot be removed with the Monochrome Threshold, it may be best to edit the picture before loading it so that the solid areas are removed.

If a picture does not have its own outlines, use Find Outlines on the Outline Finder and Expander page. This works best with clearly defined color areas with sharp edges.

*Pictures that have gradual color changes, such as photographs or previously scanned pictures saved in JPEG format, may not have strong color boundaries that can be detected by Find Outlines.*

## Connected Outlines

When editing or creating a picture for Express Trace, check how the outlines are connected to each other and, where possible, look for unobtrusive places to connect

outlines. When the outlines are more connected, there will be fewer movement stitches in the final embroidery and the embroidery will also stitch out more efficiently. Also, for smaller embroideries, adding connections between outlines will be less noticeable and will also prevent small sections of stitches that might be less secure.


## Pictures for Express Border

Express Border uses Monochrome Threshold to separate shapes from the background. This leaves black shapes on a white background. Any solid or fully enclosed shapes in the picture will then have a border added around them. If there are shapes within shapes, the inner shapes will be ignored.

## Pictures with Dark Borders and Backgrounds

A picture that has a black or very dark border or background may simply create a rectangular border. This is especially the case if the background or border cannot be removed with Monochrome Threshold.

For pictures with a dark border, it may be possible to remove the border on the Rotate and Crop Picture page of the ExpressDesign Wizard. If this is not possible, edit the picture to remove the border or change the border color.

For pictures on a dark background, use the Paint window to reverse the colors in the picture with Flood Fill , or change the background color to a light color.

After editing the picture, load it again in the ExpressDesign Wizard.

## Stippled Pictures






Stippled pictures are not suitable for creating an Express Embroidery. This is because the color areas approximate solid colors with dots of two or more colors in a stipple pattern.

Stippled pictures may be used for Express Trace or Express Border, if they have solid outlines or areas that can be extracted using Monochrome Threshold.

## Pictures for Quick, Freehand and Precise Create

### Picture Size

The best size for a background picture for PREMIER+™ 2 Create is approximately 1500x1500 pixels (or greater). When using pictures significantly smaller than this PREMIER+™ 2 Create will magnify it, but lines may appear jagged rather than smooth. For example, if a picture is loaded that is less than 500 pixels in both height and width it will automatically be tripled in size. The best way to produce a smooth effect is to rescan the picture.

Pictures larger than 2000x2000 pixels, opened with Open Drawing , Insert Drawing , Open Picture , Insert Picture , or From Scanner or Camera , will be reduced in size so that the longest side is 2000 pixels.

## Cropping a Picture

If you only wish to use a small part of the picture that has been loaded, use Box Select to select the desired area and then Crop to remove the rest of the picture.

## Pictures for QuickStitch™




The QuickStitch™ features use defined color areas to place areas and lines. Use the Color Tolerance function to merge different color shades to change the size of this area. The Cleaning Effects may be useful to create color areas. For example, use Despeckle to remove small spots of color that are often found on scanned pictures.


Some scanned or clipart pictures have thick outlines so there may be gaps between the areas that are larger than desired. Use the Outline Thinner to reduce the thickness of outlines to one pixel automatically.

## Pictures as Backgrounds

### Use Embroidery to Enhance a Picture

Using PREMIER+™ 2 Create with pictures allows you to choose different stitches to highlight the desired features in a picture printed on fabric. For example, outline a shape in complementary or contrasting thread colors, use metallic threads to add sparkle, create three-dimensional effects with shading and add embellishments with motifs.

To help see stitches against a picture, use the Background mode slider bar in the View tab to change the picture display between On , Fade  and Off .

Use Alignment Stitches  to align the embroidery on a picture that you have printed on fabric.

### Printing Pictures on Fabric

It is recommended to test the printouts of pictures onto the final fabric, as the colors may not be reproduced onto fabric in the same way as on the screen.

The picture can be printed with the colors faded by 50%. This is an effective technique for making the embroidery stand out over the picture.

## Creating Designs

A design in PREMIER+™ 2 Create is composed of areas, lines, columns and commands (objects).

After creating any fill or satin area, or column, emboss it by placing needle points to enhance the pattern.

Use lines as individual stitch lines or borders around an area or appliqué.

*Lines are defined by points, which can be moved to change the shape of the line, and any area it encloses.*

Choose a fill type (e.g. pattern fill, motif fill and so on), and a line type (e.g. satin line or running stitch) for each area, and add an appliqué fabric and placement stitches.

Set the Fill, Line and Appliqué buttons as desired by clicking to turn that area type on or off. Then choose line and fill types from the drop-down menu below the button. In the Options for Fill Area and Line, set the properties for your line and fill. After selecting the stitch types, use one of the Create functions to make a new stitch object.

*Any line type can be converted to another line type after creation, and most area types can be directly changed to any other area type.*

Create columns by placing alternate points.

Commands are instructions such as a change of thread color, an alignment stitch, or a stop.

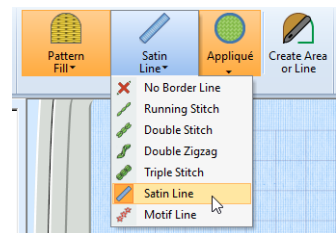
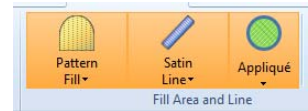
*Right-click to deselect a Create function when you have finished, or simply select another Create tool.*

When an embroidery is created from a design, each line or area is converted to stitches, and the stitch order is controlled by the order of the objects in the design.

*You can see the order of objects in the FilmStrip in the Design window.*

There are several ways to add objects to a design:

- Use the ExpressDesign Wizard to create a whole design, with all the necessary lines, areas and commands. Edit or add to the design as desired.
- Use the Home and Create tabs to add new objects to a design which can be based on a picture shown in the background, or to insert complete design elements, embroideries, SuperDesigns or font characters.
- Use the Edit tab, the FilmStrip and the context (right-click) menu to select objects to copy and paste, and to reshape object outlines.



## Creating Areas and Lines

Areas and lines are created using the QuickStitch™, QuickTrace, Shape, Freehand Create and Precise Create features, or automatically with the ExpressDesign Wizard.

Draw a line with the Freehand and Precise Create features, or follow a line in a picture with QuickStitch™, QuickTrace and the ExpressDesign Wizard.

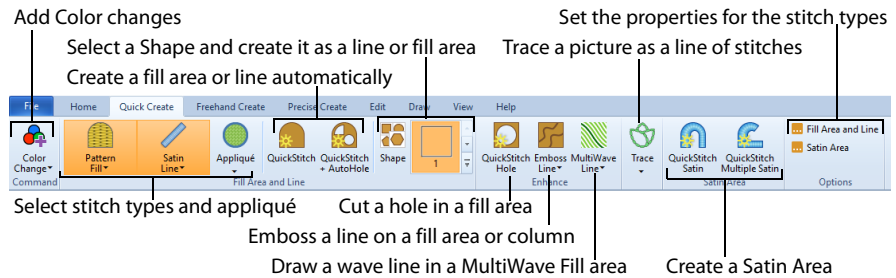
*You can change an open line to a closed one, or vice versa using the Closed Border switch on the Line tab of the Fill Area and Line Properties dialog box. This allows you to create a fill area with a closed or open border.*



# Quick Create

Use the features of the Quick Create tab (QuickStitch™, QuickTrace and Shape) to create design areas automatically.

## Creating with QuickStitch™, QuickTrace and Shape



Click in a defined color area, or on a defined color line, in the background picture to create a QuickStitch™ or QuickTrace line or fill. The area outline is filled or the line is followed automatically.

Use Color Tolerance to choose the color shades used when defining the area.

Select the desired QuickStitch™ or QuickTrace function, according to the type of stitches you want over the picture area you are about to select. Then, click in the desired area of the picture for QuickStitch™ functions or on the desired line for QuickTrace functions.

## Using Color Tolerance with QuickStitch™ and QuickTrace

- 1 Select your stitch types, then select the desired QuickStitch™ or QuickTrace function, according to the type of stitches you want over the picture area you are about to select.
- 2 Click in the desired area (for example, on the cat's left side) of the picture for QuickStitch™ functions or on the desired line for QuickTrace functions.
- 3 If Color Tolerance is enabled, the Color Tolerance dialog box will appear.

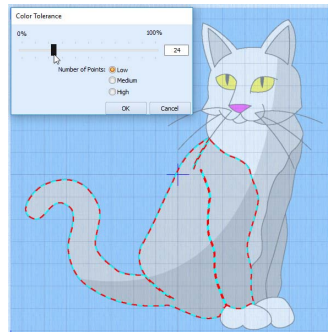
A red and cyan highlight shows the area of the picture that will be filled or traced. If you have chosen to detect holes, any holes in the area will be highlighted by green and yellow lines. Using Color Tolerance is recommended.

- 4 Use the slider to adjust the Color Tolerance value until the required part of the picture is selected.  
*The Color Tolerance dialog box has a slider control, which is initially set to 0. This is the tolerance control. As the tolerance value is increased, this increases the possible range of colors, by similarity to the color clicked, that may be selected by the red and cyan highlight.*


For example, if you have an area of your picture that is shaded in different shades of green, you can use color tolerance to select all the shades and make a single area.

Even when the tolerance is left at 0, the blue and white pattern gives a useful preview of the area that will be used for the new object.


- 5 Select the number of points to use for the outline; High will show more detail, while Low will be smoother.
- 6 Click OK to confirm the desired area is highlighted, and the line or area is created.



## Color Tolerance Off

When Color Tolerance is not enabled, the stitch object(s) are created immediately, using only the color area that was selected. You can use the Color Tolerance option in Preferences  to turn Color Tolerance off, but this is only advisable if your picture has well defined flat color areas, and you have no need to select more than one color area to create new objects.


## Creating Shapes

Use Shape  to place a selected shape in the work area. Then resize the shape, and set its properties. Select a fill and line to draw a fill area surrounded by a border, or select a line type only to draw a closed line with no fill.

## Creating with Freehand Create and Precise Create

The Freehand and Precise Create tabs' functions are used to make new stitch objects by creating object outlines directly on the design. The outlines may follow a background picture, if desired, but the Freehand and Precise Create functions do not require a picture. Most of the Freehand Create functions are used by drawing an outline, and most of the Precise Create functions are used by placing points or drawing Bezier lines to define an outline.

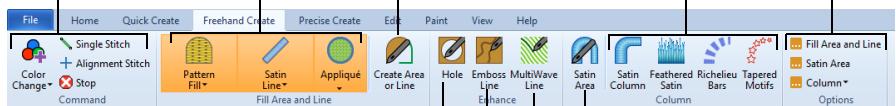
## Freehand Create

When using the Freehand Create functions, lines and areas  are created by drawing outlines on the design with a pen on a graphics tablet, or by dragging with the mouse.

*All of the Freehand Create tools work in the same way, except for Commands and Columns.*


Add Color changes, Single & Alignment stitches, and Stops    Set the properties for the stitch types

Select stitch types and appliqué    Draw a fill area or line    Place points for a Column




Cut a hole in a fill area    Draw a Satin Area  
Emboss a line on a fill area or column    Draw a wave line in a MultiWave Fill area

## Draw a Fill Area with Freehand Create

- 1 Select the stitch types.
- 2 In the Freehand Create tab, click Create Freehand Area or Line .
- 3 Draw one continuous line to create a line or area.
- 4 Lift the pen or release the mouse button to complete the line or area.
- 5 Repeat to draw as many new areas or lines as desired.
- 6 Right-click to deselect the Freehand Create function when you have finished, or simply select another tool.

*The Freehand Create functions provide a natural drawing experience and are generally recommended. When zoomed in, use the Scroll Bars to assist in drawing new objects.*

# Precise Create

With the Precise Create functions, lines and areas  are created by placing a series of points that define the outline.

*All of the Precise Create tools work in the same way, except for Commands and Columns.*

Add Color changes, Single & Alignment stitches, and Stops    Set the properties for the stitch types

Select stitch types and appliqué

Create a fill area or line

Create a Column







Cut a hole in a fill area

Create a Satin Area


Use Bezier Mode

Emboss a line on a fill area or column    Draw a wave line in a MultiWave Fill area

## Place Points with Precise Create

- 1 Select the stitch types.
- 2 In the Precise Create tab, click Create Precise Area or Line . The Freehand Point pointer  appears.  
*To create an area with Bezier lines, use Bezier Mode . See "Bezier Mode" on page 250.*
- 3 Place each point with a single click.  
*Hold down the Ctrl key to place square points for the precise positioning of corners and straight line sections.*
- 4 Click and drag  to reposition an existing point.
- 5 Click Delete to remove the last placed point.
- 6 Right-click when the area is complete.
- 7 Repeat to place as many new areas or lines as desired.
- 8 Right-click to deselect the Precise Create function when you have finished, or simply select another tool.

## Bezier Mode

Use Bezier Mode  to draw shapes with finely graduated curves. Control the exact shape of the line using the black handles to either side of the points you place.

Click to place Corner points, or click and drag to place curve points with handles.



*For information on Control Points and the other Bezier Line editing tools, see "Convert Points and Bezier Lines" on page 398.*


*The Precise Create functions may be easier to use for the exact positioning of corners, straight lines and curves than the Freehand Create functions.*

## Area Types

Any area can have a border, or no border. The border can be closed or open, and it can use any line type. Holes can be defined inside any fill area. Appliqué properties may be set for any area or line. Use Break Apart on the Edit tab to change an area with a border into separate fill area and line objects.

*Any fill area can be converted into a Satin Area, however any holes in the fill area will be lost. (Any Border lines will be retained, including the borders of the holes.)*

## Pattern Fill

Pattern Fill areas  contain small stitches with repeating patterns. Select from one of the themed categories, or import a picture as a My Fill pattern. A pattern fill area can have holes defined inside it. The stitches can be at any angle and the density can be constant, gradient or multicolor as desired. Constant density fill areas can also have automatic underlay, which is turned off automatically for gradient density areas.



Fill Area with Satin border and holes  
using Pattern Fill 109 from Hearts




Pattern Fill Area with Multicolor  
Gradient

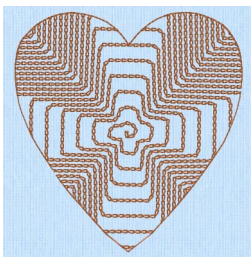


Motif Fill Area with two motifs, 13  
and 19, from Hand Stitches 2

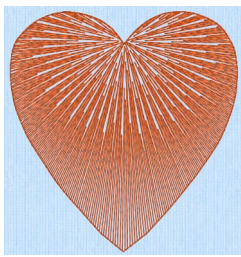
*If you change a gradient density fill back to standard, then you should also select the desired underlay.*

## Shape Fill

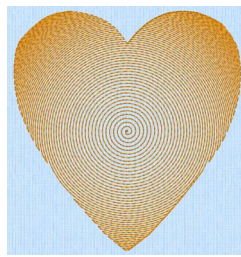
Shape Fill areas  use one of 75 different shapes. Vary the stitch density, use running stitch or motif lines for the fill and add holes.



Shape Fill Area using Shape 23  
and Motif 1 from Hand Stitches 1




Radial Fill with origin moved to top  
of heart




Spiral Fill using Gradient Density


## Motif Fill

Motif Fill areas  contain repeated small stitches placed using one of the Universal or machine motif patterns. A motif fill area can also have holes defined inside it. The motifs can be at any angle and at different sizes, and different motifs can be used on alternating lines.


## Radial Fill

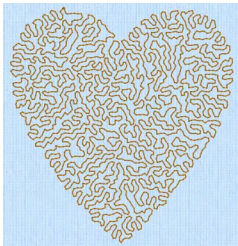
Radial Fill areas  use a pattern of radiating lines from an origin point that can be moved. Vary the stitch density and add holes.

## Spiral Fill

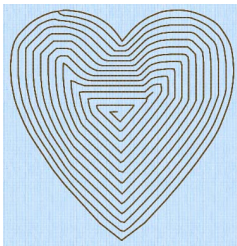
Spiral Fill areas  use a spiral pattern from an origin point that can be moved. Use constant or gradient density, and add holes.

## QuiltStipple Fill

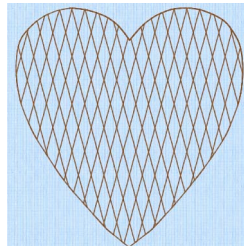
QuiltStipple Fill areas  use stipple stitch in curved or straight lines. Vary the gap between stitch lines, use running or triple stitch, and add holes.



QuiltStipple Fill using a curved style




Contour Fill, using Triple Stitch and a 3.0mm gap




Crosshatch Fill, using Diamond style and an Angle of 75 degrees

## Contour Fill


Contour Fill areas  use contour stitch lines. Vary the gap between stitch lines and the length of the stitches, use running, double or triple stitch, and add holes.

## Crosshatch Fill


Crosshatch Fill areas  use diamond, square and parallel crosshatch patterns, or select the angles for the crosshatch. Set the gap, style, line angle, stitch type and stitch length for the crosshatching, and add holes to the fill.

*Crosshatch fill is often selected for lace designs, typically using a Double Zigzag stitch type.*


## MultiWave Fill

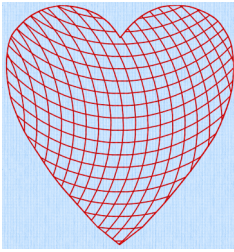
MultiWave Fill areas  use a wave pattern defined by a line, or lines, drawn on the fill area. Vary the density, or use a motif for the stitch lines.

## Echo Fill

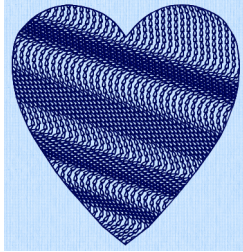
Echo Fill  places echo lines within and/or around a shape. Choose from rounded, square and diagonal corners, set the gap between the echo lines and the number of lines, and select the stitch type and length.

## Curved Crosshatch Fill

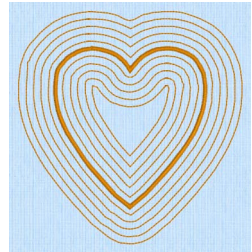
Curved Crosshatch Fill areas  use curving lines in the crosshatch, which can be used to create a feeling of depth. They are used in quilting, and to create free-standing lace.



Curved Crosshatch Fill, using Square style and a Gap of 5mm




MultiWave Fill, using a density of 15, a MultiWave Line, and a Hand Stitches 1, Pattern 1 motif

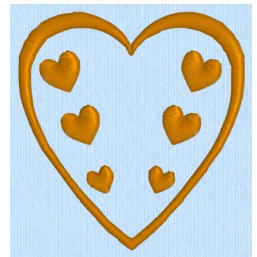


Echo Fill using Internal and External Lines, and rounded corners

## Satin Areas


Satin Areas  contain zigzag stitches that fill the area from one end to the other at the same density. The stitch angle changes with the shape of the area, and can be adjusted as desired. Choose automatic edge walk and/or zigzag underlay, and if desired select a pattern.

*Satin Areas can be converted into any type of fill area. They cannot be created with a border, but a border can be placed around them using the Fill Area and Line properties dialog.*




## Columns

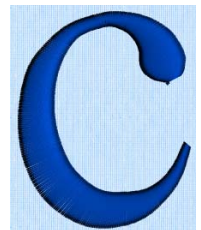
Create Columns by placing points, or on the Precise Create tab by drawing Bezier lines. The Column functions are found both on the Freehand and Precise Create tabs. Place alternate points to define a column of any length.

*Columns may be converted into Satin Areas using the Convert to Satin Area  option, but Satin Areas cannot be converted into any type of column.*

## Satin Column


Use Satin Column  to create a straight or curving column of parallel stitches. The column may be of any length. If desired, add a pattern. Choose from over 250 patterns, similar to Pattern Fill, or create your own My Fill patterns. The density can be constant, gradient or multicolor as desired.

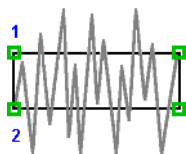
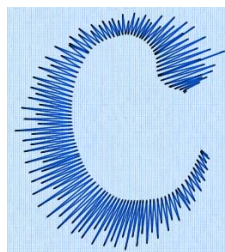
*The recommended maximum length for satin stitches is around 8-10mm, otherwise the stitches may be loose and not lie flat. To create satin wider than this, use a pattern, overlap satin columns, or use a satin area.*



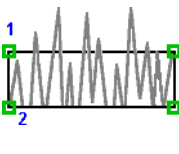


## Feathered Satin

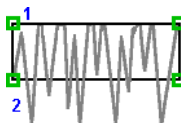
For lifelike realistic feathers or fur, use Feathered Satin , where the start and end points of the stitches are random rather than all parallel. Feathered satin may also be created with only one side feathered – the side where the first (A) or second (B) point was placed.



Feathered Both Sides




Feathered Side A

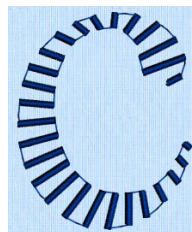


Feathered Side B


## Richelieu Bars

Use Richelieu Bars  to create a column of short sections of satin perpendicular to the direction of the column. Choose the number of bars, and the width of the satin.

*Richelieu bars are typically used for cutwork designs.*



## Tapered Motifs

Use Tapered Motifs  to create a line of motifs that vary in size according to the width of the column.





*Tapered motifs are often used in lace designs.*



## Line Types

Choose a line type before drawing the line, or change it afterwards in Fill Area and Line properties.

### Running, Double and Triple Stitches

Set Running Stitch  from 0.3-12.0 mm in 0.1mm steps (standard, or cutwork needle lines with secure points). Set Double , Double Zigzag  and Triple  Stitch to any length from 1mm to 12mm.



Running




Double

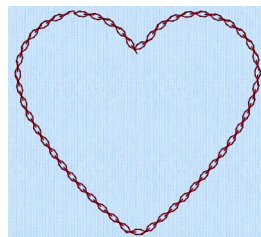


Triple


*Double Zigzag is a special stitch type, recommended for lace. A running stitch line is retraced in a zigzag pattern to create a mesh.*

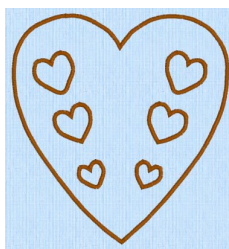
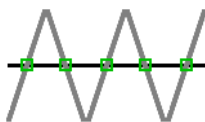
## Motif Line

Motif Lines  are lines of the chosen Universal or machine motif patterns.




## Satin Line

Create Satin Lines  where a line or border of satin stitches of constant width is desired. The line will be created along the center of the chosen line.





*Individual satin lines and the satin borders used around fills or appliqué are identical.*

## Appliqué

Select Appliqué  to use appliqué fabric and placement stitches with a fill area that you create. Select an appliqué fabric in the Appliqué Selection dialog box, and choose a placement method in the Fill Area and Line options Appliqué tab.

## Commands

Commands are instructions such as the Color Change  that changes the thread at the start of a new color block. The Stop  tells an embroidery machine to stop without a color change.

Color changes, stops and alignment stitches are indicated by special blue, red and pink markers when in 2D or Object mode.



Color Change




Stop



Alignment Stitch


## Alignment Stitches

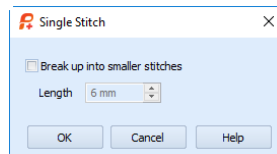
Use Alignment Stitches  to add stitches at the beginning of an embroidery that you can use to align the embroidery, for example if it is being stitched over a background picture.

Alignment Stitches are typically placed at the beginning of an embroidery. They will be inserted after the currently selected object, but may be moved if desired. Alignment Stitches are created as a cross, but may be altered after placement.





## Single Stitch



Use Single Stitch  to create single stitches that will be embroidered at whatever length they are made. Alternatively, if you select to Break Up into Smaller Stitches they will be broken up into stitches of Running Stitch at any length from 1mm to 12mm.



*Single stitches cannot be converted to any other line type.*

## Creating Motifs, Machine Stitches and Stamps

In the Draw window, create a drawing that will be suitable as a repeated element. You can then export the selected area as a My Motif  for use in any motif line or fill type, or as a .spx machine stitch  for certain sewing machines. Save the drawing in .4qb format in case you wish to edit it later, or use it as a stamp in PREMIER+™ 2 Modify.

*The Reverse Path function on the Draw tab is useful if you copy, paste and mirror part of the drawing. Import motifs  to change or combine them, or to save them as machine stitches. Import machine stitches  to create motifs. See “Motifs, Machine Stitches and Stamps” on page 143.*

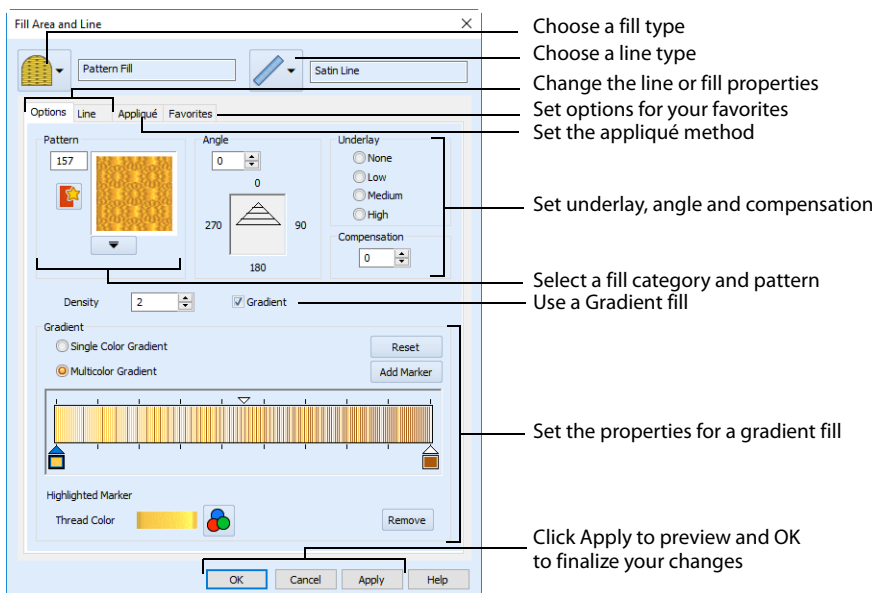
## Objects Created in the ExpressDesign Wizard

Lines and areas created in the ExpressDesign Wizard may be modified in the same way as those created by any other method. When the ExpressDesign Wizard is used to create a new design or load a picture, the design will fit the hoop or use the selected design size.

*Columns are not created by the ExpressDesign Wizard. Any satin will be a Satin Area or a Satin Line.*

# Fill Area and Line Properties

Use the Fill Area and Line properties dialog box to change the fill and line type for a previously created area. Then edit the properties using the tabs in the dialog.



The options available in the two drop-down lists vary, depending upon the selected fill and line type.

You can change a previously created area to any other fill or line type in the drop-down lists, including No Fill or No Border Line.

To access the Fill Area and Line properties dialog, click the Fill Area and Line button in the Options area of one of the Create tabs. Alternatively, right-click an existing line or fill on the FilmStrip or in the work area.

If accessed from the Options button, you cannot change the fill and/or line type.

## Fill

Select the Fill type from the drop-down list:



## Line

Select the Line type from the drop-down list:



No Border Line



Triple Stitch



Running Stitch



Satin Line



Double Stitch



Motif Line



Double Zigzag

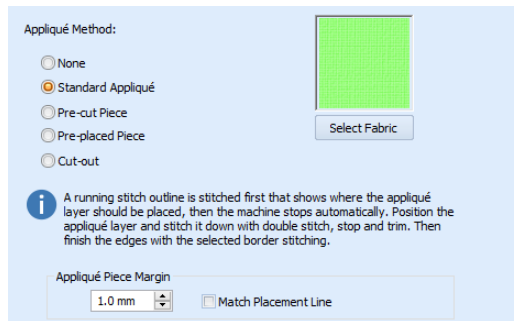
Click the Line tab and select Insert Color Change for a different color for a fill area border. See “Secondary Colors” on page 201.

## Appliqué

Select the appliqué method before or after creating an area or line.

Choose from:

- None
- Standard Appliqué
- Pre-cut Piece
- Pre-placed Piece
- Cut-out



### Standard Appliqué

Stitch a running line to show where appliqué fabric should be placed, then stop to position the fabric. Stitch down the appliqué fabric with double stitch, then stop so the fabric may be trimmed. Finish the edges with the selected border stitching.

### Pre-cut Piece

Use a pre-cut appliqué piece; created, for example, using an automatic cutter or cutwork needles.

Stitch a running line to show where the pre-cut appliqué piece should be placed, then stop to position the appliqué piece. Stitch down the appliqué piece with double stitch, then finish the edges with the selected border stitching.

### Pre-placed Piece

Place the appliqué fabric before stitching.

Place the appliqué layer in position, then stitch down the appliqué fabric with double stitch. Stop so the fabric may be trimmed. Finish the edges with the selected border stitching.

### Cut-out

Use the appliqué placement line as a guide to where the fabric should be cut; for example for reverse appliqué.

Stitch a double stitch line. Stop so the fabric may be cut to form a hole defined by the stitched outline. Finish the edges with the selected border stitching.

## Select Fabric

Use Select Fabric to choose a fabric for your appliqué in the Appliqué Selection dialog box. Click Select Fabric and the Appliqué Selection dialog box appears. See “Appliqué Selection” on page 260.

## Appliqué Piece Margin

Set the margin for appliqué placement relative to the drawn border shape from -10mm to 10mm. The initial value is 1.0mm.

*Use a positive value when trimming the appliqué fabric before the border is stitched, for example with Standard Appliqué and Pre-placed Appliqué. A negative value is recommended for cut-out and reverse appliqué.*

*Placement stitches are set to 2.0mm initially. To alter the stitch length for individual lines, use the Break Apart function for the area.*

## Match Placement Line


Adjust the position of the first running stitch line for either Standard Appliqué or Pre-cut Piece so that it matches the outline of the appliqué piece after the Appliqué Piece Margin has been applied.

*This may be useful for precise positioning of appliqué pieces that have been pre-cut with an automated cutter, to ensure the placement line is visible.*

## Favorites


Use the Favorites tab of the Fill Area and Line properties dialog to make the chosen settings into favorites, to change your defaults for a stitch type, or to return to the original settings.

## Save these options as my favorite

Use 'Save these options as my favorite'  to save the chosen options as the favorite for this area or line type.


*The favorite option must always be applied from the Favorites tab. It is not the same as the current settings, used to create new areas.*

## Apply my favorite to these options


Use 'Apply my [stitch type] favorite to these options'  to use your favorite settings for the area or line type instead of the settings shown.

*Select multiple objects with the same fill type in the work area or FilmStrip, right-click and select Properties. Then in the Favorites tab use 'Apply my favorite to these options.' All of the selected objects are changed.*


## Set these options as the current settings

Use 'Set these options as the current settings'  to use the chosen options as the default for new areas of this type.

## Reset these options to the system default

Use 'Reset these options to the system default'  to change the settings for the selected area or line type to the system default.

## Show a text summary for these options

Use 'Show a text summary for these options'  to display details of the currently selected area or line settings.

## Save a Fill and Line Type as a Favorite

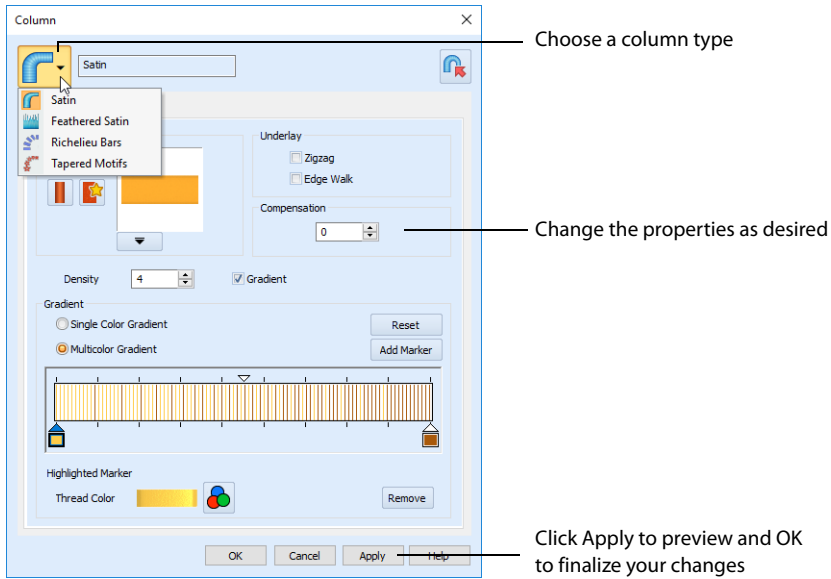
- 1 To open the Fill Area and Line properties dialog, right-click an existing line or fill, or click the Fill Area and Line Options button in the Quick Create, Freehand Create or Precise Create tab.
- 2 For an existing fill, select a Fill type from the Fill drop-down list at the top.  
*The Fill and Line type menus will only be available if you opened an existing line or fill.*  
*The settings will be saved for the fill and the line type in an object with both.*
- 3 For an existing line, select a Line type from the Line drop-down list at the top.
- 4 Edit the details in tabbed pages below as desired.  
*For details on the options available, for Line types see "Using Lines" on page 368, for Fill types see "Using Fill Areas" on page 284, and for Appliqué see "Appliqué Selection" on page 260.*
- 5 Click the Favorites tab, then click 'Save these options as my favorite' .  
*This will save your settings as a favorite in case you want to use these settings frequently. Click 'Show a text summary for these options' to view your settings.*


## Save a Fill and Line Type as your Current Settings

- 1 Right-click an existing line or fill object to open the Fill Area and Line properties dialog.
- 2 Make any desired adjustments to the line and fill types in the Options and Line tabs.
- 3 Click the Favorites tab.
- 4 Click "Set these options as the current settings".  
*In future when you use that fill type, the settings that you chose here for the fill and line types will be used.*  
*To use the system defaults for the fill type in future, click "Reset these options to the system default" on this tab.*

# Column Properties

Use the Column properties dialog to change the column type for a previously created area. Then edit the properties for the selected column type using the Options tab. Use the Favorites tab to select favorites, or to return to the original settings.





You can change a previously created column to any other column type in the drop-down list. Use Convert to Satin Area  to change to a satin area.

To access the Column properties dialog before creation, select one of the Column options in the Options section of the Freehand Create or Precise Create tab. After creating stitches, right-click an existing selected column on the FilmStrip or in the work area.

If accessed from the Options button, you cannot change the column type.

## Convert to Satin Area


Click Convert to Satin Area  to change the column to a Satin Area. The Fill Area and Line Properties dialog for Satin Area is displayed. See "Satin Area Options" on page 348.

Click Undo  to change back to a column.

## Favorites


Use the Favorites tab of the Column properties dialog to make the chosen settings into favorites, or to return to the original settings.

### Save these options as my favorite


Use 'Save these options as my favorite'  to save the chosen options as the favorite for this column type.

*The favorite option must always be applied from the Favorites tab. It is not the same as the current settings, used to create new areas.*


## Apply my favorite to these options

Use 'Apply my favorite to these options'  to use your favorite settings for the column type instead of the settings shown.


## Set these options as the current settings

Use 'Set these options as the current settings'  to use the chosen options as the default for new areas of this type.

## Reset these options to the system default

Use 'Reset these options to the system default'  to change the settings for the selected column type to the system default.

## Show a text summary for these options



Use 'Show a text summary for these options'  to display details of the chosen column settings.

# Object Properties

The following settings can be changed for stitch objects before or after they are created:

- Density
- Compensation
- Underlay
- Stitch Length
- Satin Line Width
- Fill and Satin Patterns
- Gap and Shape
- Start, End and Origin
- Motif
- Feathered Side
- Alignment Stitch Type







The settings for new areas and lines are set by selecting a stitch type in the Options area of the Create tab and adjusting them in the properties dialog for that stitch type.

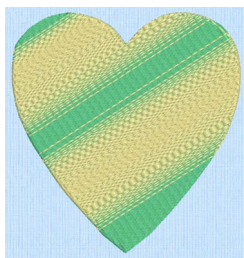
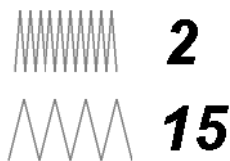
Alternatively, select an area with the desired properties and save them as your Favorite  or Current  settings.

*Not all settings can be changed for all stitch types.*

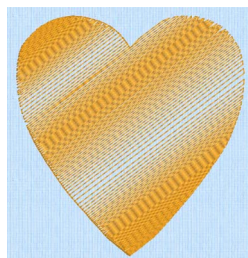
*Options that set properties for new objects are only applied when using the Create tabs to make stitch objects. Objects created in the ExpressDesign Wizard do not use the current settings, but may be changed after finishing the wizard.*

## Density




Density of stitching may be set from 2 to 40, except for Pattern Fills , Spiral Fills , Satin Column  and Satin Area  (2 to 80), and Richelieu Bars  and Satin Line  (2 to 15).



Pattern Fill Area with Multicolor Gradient



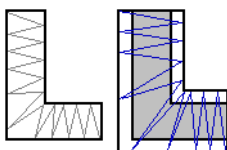
Pattern Fill Area with Gradient Density Fill

Pattern  and Spiral  Fill areas and Satin Columns  may also have density gradients, or variable multi-density. The higher the number, the farther apart the stitches and the fewer stitches are produced. Pattern fills and Satin Columns may also have multicolor gradient density.

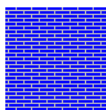
*Embroidery on thicker fabrics usually looks better with more stitch coverage, or a low density setting. Choose a low value such as 2 or 3 for heavy knit fabrics, a higher value such as 5 or 6 for a light material like linen or satin.*

## Compensation

All stitches have a tendency to pull in. The pull varies according to fabric weight and type. Compensation is used to make a whole design or areas within it 'bolder' by increasing their relative size. The higher the number, the bolder the areas appear. You can also alter compensation for any individual area of satin or fill.






Satin Compensation



Pattern Fill Compensation

*Embroidery on thicker fabrics usually looks better with higher compensation, while on thin materials such as satin or twill a lower value or zero setting is usually more appropriate. As you create a design, use overlaps to prevent pulling from creating gaps between blocks of stitches that have different stitch directions. This provides 'built-in' compensation.*

Compensation may be set from 0 to 30 for satin and 0 to 20 for fill areas. The setting for any Satin Column , Satin Area  and Pattern Fill  in the design is shown in the Area and Line properties for that satin or fill.



Compensation does not apply to feathered satin, satin line, or any fill other than pattern fill.
















## Underlay

Underlay is used to stabilize an area of fabric before stitching over it. Automatic underlay is optionally available for Pattern Fill areas, Satin Areas, Satin Column, Richelieu Bars and Satin Line. To create underlay for other object types, use running stitch or single stitches.

*Embroidery designs created with the ExpressDesign Wizard have an option to create underlay for the whole design.*

## Stitch Length

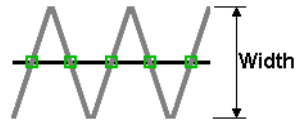
Stitch Length can vary according to the object type as follows:

- **Single Stitches** : each stitch may be set from 1-12mm in 1mm steps, or embroidered without breaking up into smaller stitches.  
*The current maximum stitch length for new Single stitches, if it is desired to break them up into smaller stitches, is shown in the Preferences .*
- **Running Stitch**  may be set from 0.3-12.0mm in 0.1mm steps.  
*Cutwork needle lines are automatically set to 0.3mm.*
- **Double Stitch** , **Double Zigzag**  and **Triple Stitch**  may be set from 1-12mm in 0.1mm steps.
- **Motif Line**  stitches may be set from 1-20mm in 0.1mm steps.
- **Motif Fill** : the length of the running or triple stitches making the motif shapes can be set from 1-12mm in 0.1mm steps.
- **Feathered Satin**  (feathered both sides or one side): the maximum length of the stitches may be set from 2-30mm in 1mm steps.
- **Shape Fill** : where Motifs are used, the length of the running or triple stitches making the motifs can be set from 1-12mm in 0.1mm steps.
- **QuiltStipple** , **Contour** , **Crosshatch** , **Curved Crosshatch**  and **Echo Fill** : the length of the running or triple stitches making the fill can be set from 1-12mm in 0.1mm steps.

Check the current setting by clicking the Options button in one of the Create tabs.

## Satin Line Width

Satin line or border width may be set from 1 to 12mm in 0.1mm steps.

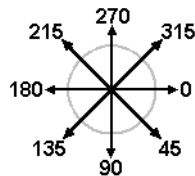


## Fill and Satin Patterns

Choose from over 250 system patterns or any imported My Fill pattern for Pattern Fill areas, Satin Areas and Satin Columns. Choose any available motif for motif fill areas, lines and tapered motifs columns. Check the current setting by clicking the Fill Area and Line button in the Options area of one of the Create tabs. See "Fill and Satin Patterns" on page 421.









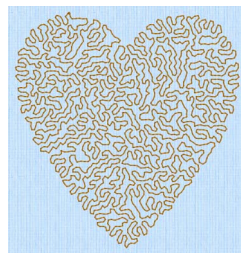
Patterns in categories other than Standard are recommended for use in relatively large fill areas, as they have repeating patterns which work well when 'tiled' together. Pattern 36 produces a 'satin effect' fill stitch. The first four patterns in the Gradient & Lace category (253-256) are recommended for multicolor gradient. The other eight (257-264) are suitable for a weave pattern combined with parallel crosshatch, as used for lace designs.



Set the angle of orientation for the stitches in Pattern, Motif and Crosshatch and Curved Crosshatch fill areas to any degree. Check the current setting by clicking the Fill Area and Line button in the Options area of one of the Create tabs.

## Gap and Shape



The QuiltStipple , Contour , Shape , Crosshatch , Curved Crosshatch  and Echo  styles of fill have additional properties that are unique to these fill styles. QuiltStipple fills can have curved or straight stipple stitching, and a gap setting controls the spacing of the lines of stipple stitch. Contour fill also uses a gap setting that controls the spacing of the lines of Contour stitch. Shape fills have a choice of 75 shapes, which control the path of the stitching. Crosshatch and Curved Crosshatch fills can use diamond, square and parallel styles.





They have a gap setting that controls the spacing between the lines in the crosshatch. Echo fills can use internal or external lines, varying the number or spacing. They also have a choice of three styles, with curved, square or diagonal corners.

*Richelieu Bars may have a minimum gap or number of bars specified.*







## Start, End and Origin

Fill and satin areas have adjustable green start  and red end  points, which can be moved to any point defining the shape of the area. Use this to control the connection between an area and the objects that precede or follow it. For example, this is useful for shortening or hiding movement stitches so the need for trimming is reduced.

Pattern, Shape, Radial and Spiral fill areas also have an orange origin . For Pattern Fill, the origin marker also has an adjustment handle .

*In a pattern fill area, the origin is the start point for the repeating pattern. In Shape, Radial and Spiral fills, the origin is the point from which stitches radiate. For a pattern fill area, move the origin to change the position of the pattern, and rotate the handle to change the angle. For Shape, Radial and Spiral fills, move the origin to move the radiation point of the fill. The origin may be moved anywhere on the work area.*

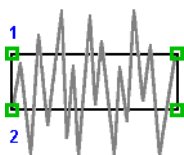
## Motif

Choose any available motif for Motif Fill areas  and Lines . Motifs can also be used in Shape , MultiWave  and Curved Crosshatch  fills, and tapered motifs columns . The size of motifs can be changed, and they can be stitched in either running or triple stitch. For motif fill areas, a second motif can be chosen for alternating lines, and the spacing, offset and angle of lines can be changed. Check the current setting by clicking the Fill Area and Line button in the Options area of one of the Create tabs.

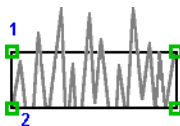


## Feathered Side

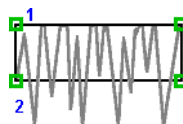
Individual areas that were created as both sides feathered, Feather Side A or Feather Side B may have their feathered edges changed. See “Feathered Satin” on page 35.



Feathered Both Sides










Feathered Side A

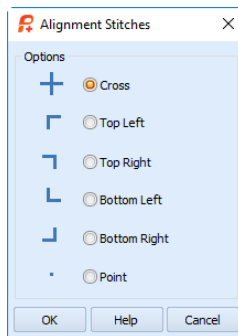


Feathered Side B

## Alignment Stitch Type

Alignment stitches are added at the beginning of an embroidery to align it, for example, with a background picture on fabric.

Alignment stitches are initially placed as a cross . Use the Alignment Stitches properties dialog to change the stitch type. Select the desired stitch and right-click to choose from cross , top left , top right , bottom left , bottom right  and point .



## Global Properties

The properties of all visible objects of a chosen type can be changed with Global Properties.

*Global Properties is not used for Stops, and has no effect on Color Changes.*

### Shortcut

- Keys: Alt, E, G; Right-click FilmStrip, B

## Change Object Settings with Global Properties

- 1 Use the Edit tab and the Design Panel to hide any objects you do not wish to affect. *For example, hide objects by color, or use the Hide Object Types filters.*
- 2 Right-click an object of the desired type in the FilmStrip and select Global Properties from the context menu. The properties dialog box for the object will appear, with the current settings taken from the selected object.
- 3 Adjust the properties as desired.
- 4 Click OK. All the settings in the dialog box will be applied to all visible objects of the same type. When you click OK, the settings are applied globally even if you did not change anything. For example, if you have a fill area that already has the desired settings, select the fill area then select Global Properties and click OK to replicate the settings on all visible fill areas. *Global Properties is only available if a single object is selected.*

## Change Properties for Selected Objects

The properties of all selected objects of a chosen type can be changed at once.

*You cannot change properties for multiple Stops or Color Changes at the same time.*

### Change the Settings for Selected Objects








- 1 Hold the Ctrl key and in the FilmStrip click each of the objects that you want to affect.
- 2 With the desired objects selected, right-click one of your chosen objects.
- 3 Select Properties from the context menu. The properties dialog box for the object will appear, with the current settings taken from the selected object.
- 4 Adjust the properties as desired, then click OK. All the settings in the dialog box will be applied to all selected objects of the same type. When you click OK, the settings will be applied to all selected objects, even if you did not change anything. For example, if you have a fill area that already has the desired settings, select the objects you want to change, right-click the fill area with the desired settings and select Properties from the context menu. In the Fill Area and Line properties dialog click OK to replicate the settings on all selected fill areas. *If more than one type of object is selected, only the object selected first will have its properties changed.*

# Changing Stitch Types

To change a stitch type to another stitch type, select the line or fill area, then right-click. (Alternatively, right-click on the object in the FilmStrip of the Design window and select Properties.) In the Fill Area and Line properties dialog select the desired Line or Fill type from the drop-down menus at the top.

Stitch types in the following two groups may be changed to any other stitch type in either of these groups:

## Lines

	Running Stitch		Satin Line
	Double Stitch		Motif Line
	Double Zigzag		No Border Line
	Triple Stitch		

## Areas


	Pattern Fill		QuiltStipple Fill		Echo Fill
	Motif Fill		Contour Fill		No Fill
	Shape Fill		Crosshatch Fill		Satin Area
	Radial Fill		Curved Crosshatch Fill		
	Spiral Fill		MultiWave Fill		

*When converting to a Satin Area, any holes in the fill area will be lost.*

Objects in the following groups may be changed to any other stitch type in that group:

## Columns

	Satin Column		Richelieu Bars
	Feathered Satin		Tapered Motifs

*Any Column can be changed into a Satin Area using the Convert to Satin Area  option, but it cannot be changed back.*

The following object types cannot be changed into another type of object:

- Single Stitch
- Stop Command
- Color Change
- Alignment Stitch

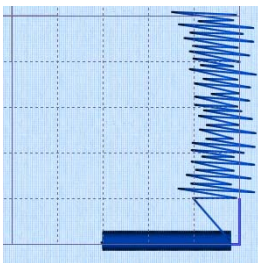
# Design Size and Creating Embroideries

The purpose of creating a design is to generate an embroidery from the finished design. Before creating an embroidery you may wish to consider how the design size will affect the finished embroidery.

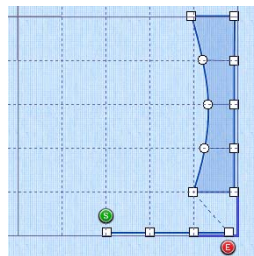
The size of a design is mainly controlled by the hoop size used.

*You can create a design for many different hoop sizes from the same design outline (.edo) file. However, you need to consider how this will affect the size of individual parts. For example, a satin line for an embroidery size of 150mm may look better as a running stitch line if the embroidery size is 80mm. The recommended maximum length for satin stitches is around 8-10mm, otherwise the stitches may be loose and not lie flat. To create a satin sections wider than this, either overlap satin sections, or use one of the fill patterns to create smaller alternating stitches*

When creating designs, remember the outside edge of some stitch types may extend beyond the hoop. For example, satin borders have stitches generated on both sides of the center line and feathered satin sections have stitches that go beyond the points placed to define the feathered satin. The design size is measured according to the distance between the outermost control points. However, the embroidery may be larger than the desired design area or hoop size if stitches are created that extend beyond the outermost points, as in the example. This is easy to see in 3D View, but in Object View you could create areas that are too large without realizing.






The stitches created go outside the hoop.




The points for both the satin line and feathered satin are inside the hoop.

You will be able to save the design outline file, but if you select Export Embroidery a message will appear: Embroidery is too large or will not fit in hoop. Click OK to continue.

Change to a larger hoop  to stitch out the design, or in the Modify Block menu on the Home tab, select Scale Fit to Hoop  to automatically adjust the actual size of the design to fit in the hoop.

Use Change Design Size  to alter a design automatically to a new size, allowing for the stitch objects used such as satin borders.

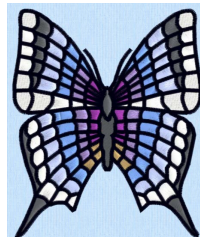
Use the ExpressDesign Wizard to create new designs automatically from pictures. There are three design types that can be created in the ExpressDesign Wizard: Express Embroidery, Express Trace and Express Border.

Additionally, when started with New , the ExpressDesign Wizard can be used to load a picture for a new design, load an existing design or start a new design without a picture.

## Express Embroidery

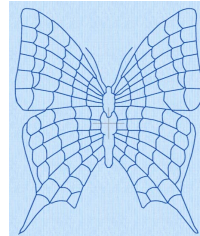
Create a new design by converting color areas in a picture to fill and satin areas, using running stitch or satin border outlines where necessary.

Express Embroidery works best when using pictures that have well defined, flat color areas and outlines.



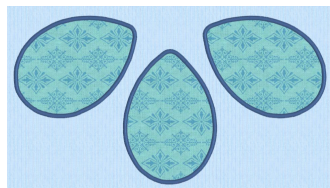
## Express Trace

Create a new design by tracing outlines in the picture. Use light or heavy running stitch to create redwork or blackwork style designs, create quilt stencils and so on. Use satin border of constant width for designs that demand broader outlines.



## Express Border

Create a new design by creating borders around shapes in a picture. The border can be created as a satin border, an outline of running, double or triple stitch, or a border of motifs; all, optionally, with appliqué.



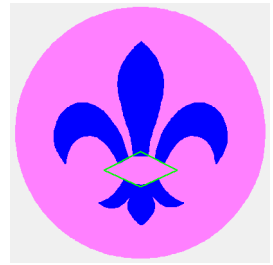
## Load a Picture into the Paint Window

Create a new design by loading a picture, and optionally rotating and cropping the picture. Select a hoop or design size and reduce colors, then the wizard finishes. The picture is loaded into the PREMIER+™ 2 Create Paint window.



## Load a Vector Picture as Objects into the Draw Window

Create a new design by loading a picture. Select a hoop or design size and then the wizard finishes. The picture is loaded into the PREMIER+™ 2 Create Draw window.



## Load a Background Picture into the Draw Window

Create a new design by loading a bitmap, or other non-vector (raster) picture, as the background in the PREMIER+™ 2 Create Draw window. The wizard finishes. Use the picture as a background when creating a drawing.


## Load Existing Design

Open an existing design to preview it in the wizard, then close the wizard and load the design in PREMIER+™ 2 Create. The Design window of PREMIER+™ 2 Create is shown.

## Start a New Design with no Picture

Select a hoop, then close the ExpressDesign Wizard and start with an empty work area in PREMIER+™ 2 Create.

## New

Use New  to clear the PREMIER+™ 2 Create screen and start a new design. You are prompted to save the current design if changes have been made. The ExpressDesign Wizard will start and the Choose Design Type page will appear.

### Shortcuts


- File Menu: 
- Keys: Ctrl + N

## New Window

Use File, New Window in the Design window to open an additional PREMIER+™ 2 Create window so that you can start a new design with the ExpressDesign Wizard, insert an embroidery or design, or paste a block to start a new design.


*To move between open PREMIER+™ 2 Create windows, hover over the PREMIER+™ 2 Create icon on the taskbar, and select the desired window.*

### Shortcuts

- File Menu: 
- Keys: Ctrl + Shift + N







# Insert ExpressDesign

Use Insert ExpressDesign  to create a new design in the ExpressDesign Wizard. Insert ExpressDesign is used to add new design elements to an existing design, but can also be used to create the first part of a new design, or used repeatedly to compose a design from elements created in the ExpressDesign Wizard.

Use ExpressDesign into Rectangle to create a new design that is a best-fit to a rectangular area you draw, and use ExpressDesign into Hoop to create a new design that is a best-fit to the currently selected hoop and orientation.



## ExpressDesign into Rectangle

Use the ExpressDesign into Rectangle  option to create a new design in the ExpressDesign Wizard that is a best-fit to a rectangular area you draw.

In the Insert ExpressDesign  drop-down, click ExpressDesign into Rectangle  and the mouse pointer will change to the draw rectangle pointer . Click and drag on the work area to draw a rectangle of the desired size. When you release the mouse button, the Choose Design Type page of the ExpressDesign Wizard will appear.

*If the rectangle is wrong and you wish to try again, click Cancel when the ExpressDesign Wizard appears. Then click ExpressDesign into Rectangle again.*




Choose the desired design type, then choose a picture and step through the rest of the ExpressDesign Wizard. When you Finish, the new design will be placed where you drew the rectangle, and will fit the rectangle proportionally, depending on the picture shape.

Use Save  to keep the new design. Use Export  to save in other formats, and optimize for stitching.

### Shortcuts

- Home Tab, ExpressDesign Wizard Drop-Down: 
- Keys: Alt, H, IR, IR

## Insert an ExpressDesign in the Work Area

- 1 In the Home tab, click Insert ExpressDesign , and Into Rectangle . The mouse pointer will change to the draw rectangle pointer .
- 2 Click and drag on the work area to draw a rectangle of the desired size. When you release the mouse button, the Choose Design Type page of the ExpressDesign Wizard will appear.


*If the rectangle is wrong and you wish to try again, click Cancel when the ExpressDesign Wizard appears, then select Insert ExpressDesign again.*







- 3 Choose the desired design type and click Next.
- 4 Choose a picture then step through the rest of the ExpressDesign Wizard. The pages will appear according to the chosen design type.

*The rectangle you drew is used to automatically set the size of the new design, according to the portion of the design area you selected with the rectangle and the current hoop. Hence, the Design Size page of the wizard will not appear.*

- 5 At the end of the wizard click Finish. The new design will be placed where you drew the rectangle, and will be a best fit to the rectangle depending on the picture shape.
- 6 Move, resize, mirror, rotate, copy and cut the new design as desired. When the new design is positioned and sized as desired, right-click to deselect it.

# ExpressDesign into Hoop


Use the ExpressDesign into Hoop  option to create a new design in the ExpressDesign Wizard that is a best-fit to the currently selected hoop and orientation.

*If desired, click Change Hoop  and choose a different hoop size before using ExpressDesign into Hoop. In the Insert ExpressDesign  drop-down, click ExpressDesign into Hoop  and the Choose Design Type page of the ExpressDesign Wizard will appear. Choose the desired design type, then choose a picture and step through the rest of the ExpressDesign Wizard. When you Finish, the new design will be placed in the center of the hoop. Use Save  or Save As  to keep the new design, together with any other designs in the work area. Use Export  to save in other formats, and optimize for stitching.*

## Shortcuts

- Home Tab, ExpressDesign Wizard Drop-Down: 
- Keys: Alt, H, IR, IH

## Send To Wizard










Use Send To Wizard  to send the picture, as it appears in the Draw or Paint window, to the ExpressDesign Wizard. The picture can be used to create an Express Embroidery, Express Trace or Express Border design, or if it is a vector drawing in the Draw window, it can be loaded directly into the Design window as an .edo (design) file from the Send to Wizard (retain individual object layers) dialog.

*Send To Wizard  is not available if objects have already been created for the design.*

## Shortcuts


- File Menu: 
- Keys: Ctrl + K




## Send a Picture to the ExpressDesign Wizard

- 1 Click File, New  or File, New Window , and the Choose Design Type page of the ExpressDesign Wizard will appear.
- 2 To load a picture with the wizard, select Load a Picture into the Paint Window, or Load a Vector Picture as Objects into the Draw Window, click Next, choose a picture and step through the wizard to finish. *When a picture is loaded by the ExpressDesign Wizard, the colors may be reduced. If you wish to avoid this, use the next method.*
- 3 Alternatively, if you wish to draw your own picture or load a picture directly onto the Draw or Paint window of the main PREMIER+™ 2 Create screen, select Start a New Design with no Picture, then select whether to use a Draw or Paint window. Select a hoop and click Finish.  
Then to load a picture, in the Draw tab use File, Open Drawing  or File, Insert Drawing , or in the Paint tab use File, Open Picture , File, Insert Picture  or From Scanner or Camera .
- 4 Draw and/or edit the picture as desired on the Draw or Paint window.
- 5 When your changes to the picture are complete, click File, Save As Drawing  or File, Save As Picture  and save the picture with a new name.

*It is recommended to save your finished picture with Save As Drawing  (or Save As Picture in the Paint window) before using Send To Wizard, as the ExpressDesign Wizard may make changes to your picture.*

The whole picture will be sent to the wizard. If you have an area of the picture selected, the selection will not affect this.

Alternatively, in the Paint window you can select the desired area with Box Select  or Freehand

Select , then Crop  the picture. As Crop  only removes rectangular areas of the picture, the results will be the same whichever selection tool you use.

- 6 Click File, Send To Wizard .


In the Draw window you will be asked if you want to Merge all layers, or Retain individual object layers. If you choose Retain individual Object Layers, the picture will be loaded into the Design window as an .edo (design) file, otherwise the Choose Design Type page of the ExpressDesign Wizard will appear.

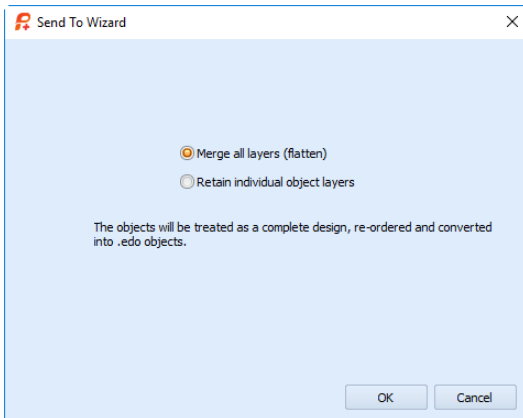
In the Paint window the Choose Design Type page of the ExpressDesign Wizard will appear.

- 7 Click Next and the next page of the wizard will appear, according to the chosen design type. *The Choose Picture, Rotate and Crop Picture and Design Size pages will not appear.*

- 8 Continue through the ExpressDesign Wizard to create your design.

## Send to Wizard (retain individual object layers)

If Send to Wizard  is used for a vector drawing in the Draw window, a dialog asks if it should be merged, or if the layers should be retained.



If the layers are retained it is loaded directly into the Design window as an .edo (design) file.

### Merge all layers (flatten)

The layers in the drawing are flattened and the Choose Design Type page of the ExpressDesign Wizard will appear.

### Retain individual object layers

The drawing is treated as a complete design, and is loaded as an .edo (design) file into the PREMIER+™ 2 Create Design window.

*Lines are converted to running (0.5 or 1mm), triple (2mm), or satin (3mm or above) depending on their width. Filled areas are converted to pattern fill.*

*Running stitch and Triple stitch length is 2mm and Satin density is 4 initially. Fill is pattern 3 and density 2.*

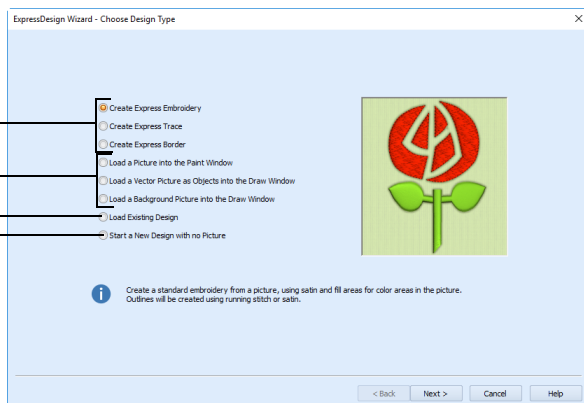
# Choose Design Type

Create an embroidery automatically

Load a picture

Load a design

Start with an empty work area



## Express Embroidery

Create a new design by converting color areas in a picture to fill and satin areas, using running stitch or satin border outlines where necessary.

## Express Trace

Create a new design by tracing outlines in the picture. Use light or heavy running stitch to create redwork or blackwork style embroidery, create quilt stencils and so on. Use satin border of constant width for larger designs or when a bolder outline is more pleasing.


## Express Border

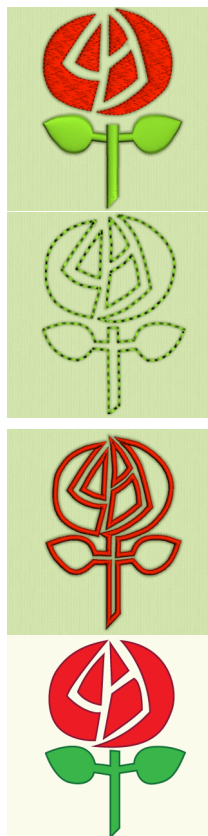
Create a new design by simplifying a picture into solid color areas. Borders are created around these shapes as satin, appliqué, running stitch, double stitch, triple stitch or motifs.



## Load a Picture into the Paint Window

Create a new design by loading a raster picture, and optionally rotating and cropping the picture. Select a hoop or design size and reduce colors, then the wizard finishes. The picture is loaded into PREMIER+™ 2 Create.

*When a picture is loaded by the ExpressDesign Wizard, the colors may be reduced. This is to make it easier to use the QuickStitch™ features.*


*If desired, the picture may be edited and then sent to the wizard with Send To Wizard .*




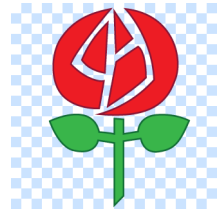
This option is only available when starting the ExpressDesign Wizard with File, New , or File, New Window .

## Load a Vector Picture as Objects into the Draw Window

Create a new design by loading a picture. Select a hoop or design size. The wizard then finishes. The picture is loaded into PREMIER+™ 2 Create.



*If desired, the picture may be edited and then sent to the wizard with Send To Wizard . There is an option in Send to Wizard to load the picture directly as an .edo (design) file.*

This option is only available when starting the ExpressDesign Wizard with New , or File, New Window.



## Load a Background Picture into the Draw Window



Load a non-vector (raster) picture as a background to design over in the Draw window. The wizard then finishes. The picture is loaded as a background into PREMIER+™ 2 Create.

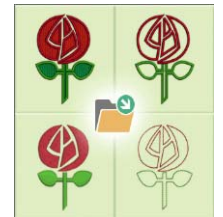
This option is only available when starting the ExpressDesign Wizard with File, New , or File, New Window .



## Load Existing Design

Open an existing design to preview it in the wizard, then close the wizard and load the design in PREMIER+™ 2 Create. The Design window of PREMIER+™ 2 Create is shown.



This option is only available when starting the ExpressDesign Wizard with File, New , or File, New Window .



## Start a New Design with no Picture

Select the Draw or Paint window, or no background. Select a hoop, then close the ExpressDesign Wizard and start with a blank work area in PREMIER+™ 2 Create.

A new blank picture is automatically created at a size of the selected hoop.

This option is only available when starting the ExpressDesign Wizard with File, New , or File, New Window .



*Use this option if you wish to create your own picture or load and edit an existing picture without reducing colors. Then either send the picture to the ExpressDesign Wizard from the Paint or Draw window, or create and adjust stitch areas over the picture in the Design window.*

# Choose Picture

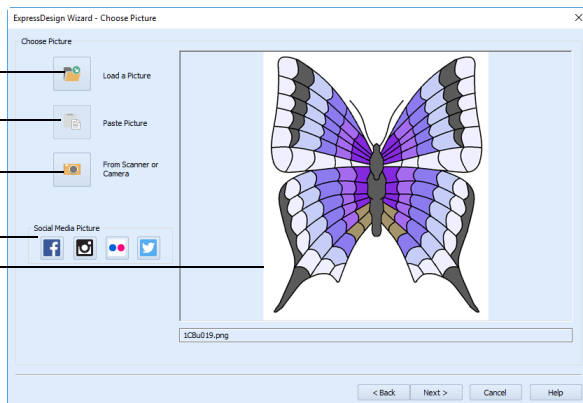
Select a picture file on your computer

Paste a copied picture

Import a file from a scanner or camera


Load a picture from Facebook®, Instagram®, Flickr®, or Twitter®

The picture is previewed



Use the Choose Picture page to select the picture you wish to convert to a design. Select a picture from clipart, or one you have previously scanned or created in an image editor. Alternatively, paste a captured picture.

## Load a Picture

Click Load a Picture  to open a picture from clipart, or one you have previously scanned or created in an image editor. After selecting a picture, the preview box will show the selected picture with its name underneath. Click Next to continue.

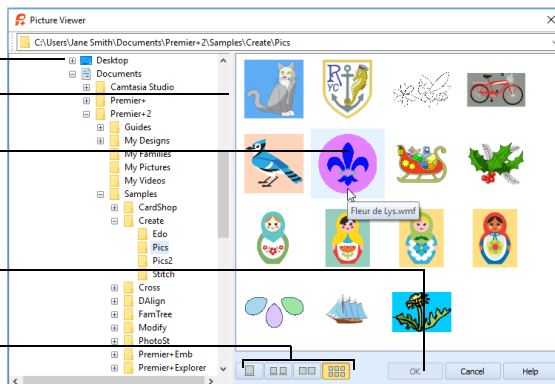
Choose a picture folder

Scroll to view more folders

Click to select a picture

Load the selected picture


Change the icon size




The following file formats may be loaded: Windows or OS2 Bitmap (.bmp), JPEG-JFIF Compliant (.jpg, .jif, .jpeg), PatternCAD (.4dq), Portable Network Graphics (.png), Tagged Image File Format uncompressed (.tiff, .tif), Windows Meta File (.wmf), Windows Enhanced Meta File (.emf) and Windows Icon (.ico).

PREMIER+™ 2 Embroidery Extra also includes additional clipart, which may be used in the ExpressDesign Wizard. The additional clipart is installed to Documents\Premier+2\Samples\Premier+2Emb\Pics2.

## Select a Picture file


- 1 Click Load a Picture  and the Picture Viewer dialog box appears.
- 2 Double-click to expand the folders until the desired folder is highlighted.
- 3 Click on a picture to select it.
- 4 Click OK to open the picture in the Choose Picture page.
- 5 Click Cancel to exit without selecting a picture.

## Paste Picture

Use Paste Picture  to load the picture in the Clipboard Block. The picture is shown in the preview area.

*Paste Picture is not available if the Clipboard Block is empty.*

## From Scanner or Camera

Use From Scanner or Camera  to display the program that is used to acquire pictures from a scanner, a digital camera or another suitable device. Only devices that use Windows Image Acquisition (WIA) can be used to obtain pictures.

*WIA (Windows Image Acquisition) is a standard method for transferring pictures from the device's scanning or downloading program to another program, in this case the PREMIER+™ 2 Create module of the PREMIER+™ 2 Embroidery System. If the manufacturer provides the appropriate software components needed for WIA compliance, these should have been installed when the device was installed.*

Each scanner or digital camera has its own program that is used to scan or download pictures. Refer to the manual or online help provided with the program for instructions, if required. When the device and its software finish processing the Picture, it will be shown in the Choose Picture page.

## Social Media Picture

Load a picture from Facebook® , Instagram® , Flickr® , or Twitter® . Log in to the Social Media website to load the desired picture.

## Preview and Name

Under the preview pane is a box for the name of the chosen file. If the picture is a scanned image then the box will contain the words Scanned Picture.

## Back

Return to the Choose Design Type page.

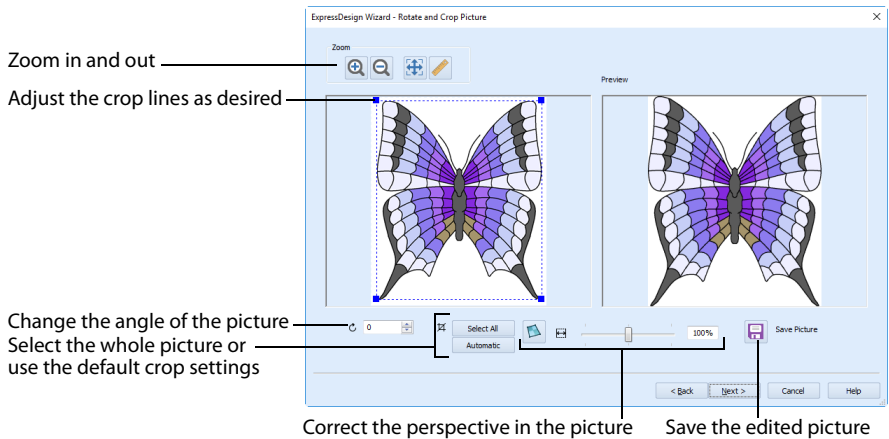
## Next

Go to the Rotate and Crop Picture page, or to the Design Size page when loading a vector picture into the Draw window.

## Finish

For loading a background picture into the Draw window, close the ExpressDesign Wizard and load the picture onto the main screen.

# Rotate and Crop Picture



Use the Rotate and Crop Picture page to select the section of the picture that is to be used to create the design, and to rotate the picture to any angle from 0 to 359 degrees. The picture is automatically cropped to remove excess background color. If required, adjust the crop lines to select the desired part of the picture. Use Perspective Correction to adjust for perspective or skew.

*Sometimes, the automatic crop area may not appear to remove as much background color as possible. This can happen when the background color appears to be a plain color, such as white, but actually has minor variations that are not immediately visible. For example, this often happens with the JPEG-JFIF Compliant (\*.jpg, .jif, .jpeg) picture format.*

Click and drag anywhere inside the crop box to move the crop box. Click and drag outside the crop box to draw a new crop box.

## Rotate

Rotate the picture to any angle from 0 to 359 degrees. When the picture is rotated between the 90 degree steps, the picture is made larger and the detected background color is added. If there is no distinctive background color, white is used.


## Select All

Click the Select All button to select the whole picture. Alternatively, double-click the picture to select the whole picture.



## Reset

Click Reset to set the crop lines back to the default position for the current picture.

## Perspective Correction



To remove the effects of perspective in a picture, or to correct skew, select Perspective Correction . When using Perspective Correction, the crop handles are red.






Move the red handles so that the crop lines frame the picture. Use the Zoom tools to view the outline of the picture more clearly. Drag the Stretch Picture  slider to make the picture in the Preview wider or narrower. Use Save Picture  to save your edited picture.


## Zoom

Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Back

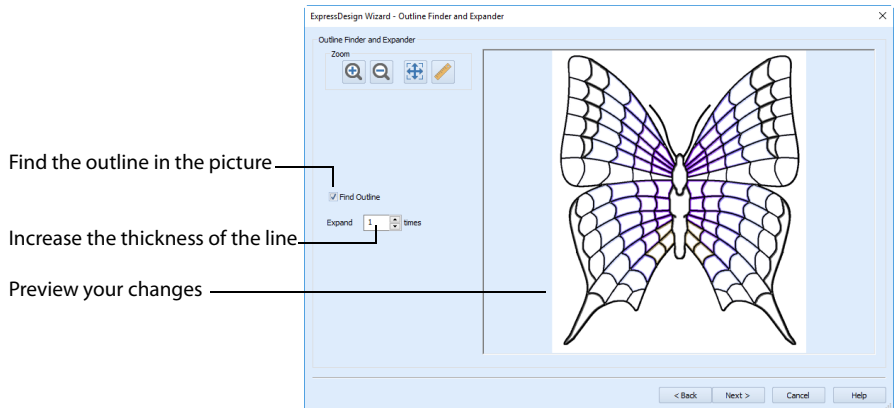
Return to the Choose Picture page.

## Next

Go to the:

- Design Size page for an Express Embroidery, and when loading a picture into the Paint window
- Outline Finder and Expander page for an Express Trace
- Monochrome Threshold page for an Express Border.

# Outline Finder and Expander



The Outline Finder and Expander page of the ExpressDesign Wizard only appears if you are creating an Express Trace design. If the picture consists of mainly solid color areas, use this page to create outlines appropriate for tracing.

## Find Outlines

Select this option to find the outlines in your picture and show them in the preview area.

*Find Outlines looks for distinctive boundaries between color areas in the picture. Pictures that have gradual color changes, such as photographs or previously scanned pictures saved in JPEG format, may not have strong color boundaries that can be detected by Find Outlines.*

It is usually not necessary to Find Outlines in a picture that already has black outlining. However, if there are additional color boundaries that do not have outlining in the picture, you may still wish to use Find Outlines.

## Expand



This is only available when Find Outlines is selected. Use this option to increase the thickness of outlines that have been found, by adding up to 5 pixels on each side of the lines. It is initially set to 1. Lines are traced down the center by Express Trace, so setting Expand to at least 1 will allow curves to be traced more smoothly and continuously.

*If Expand is set to 0 (zero), the outlines found in the picture will be only one pixel wide. When a line changes direction, this may cause a break in the line where pixels only meet at the corner. This may cause a line to be traced in multiple sections, or not at all. Therefore, it is recommended to set Expand to at least 1.*



If desired, use higher Expand values to merge outlines when parallel outlines are close together. Alternatively, you may be able to exclude unwanted lines by using Monochrome Threshold on the next page.


## Zoom


Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards,

or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Preview

The preview shows the picture. If Find Outlines is selected, the preview shows the outlines that have been found, and the effect of using Expand.

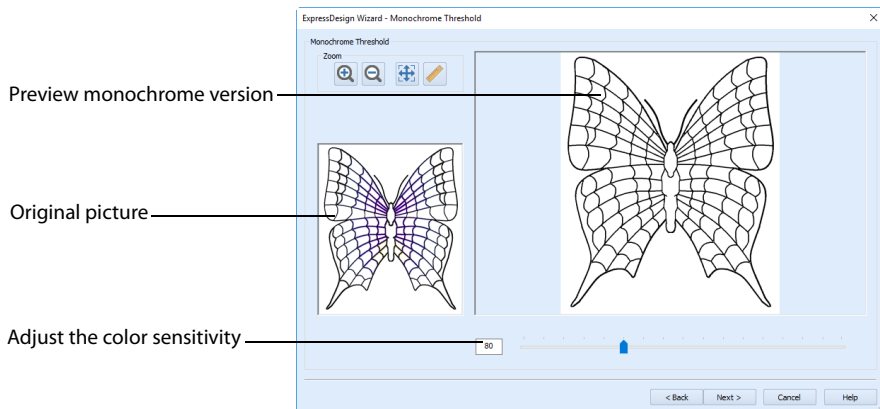
## Back

Return to the Rotate and Crop Picture page.

## Next

Go to the Monochrome Threshold page.

# Monochrome Threshold



The Monochrome Threshold page of the ExpressDesign Wizard appears if you are creating an Express Trace or Express Border design.

The Monochrome Threshold turns all shades or colors in the picture into either black or white. It acts on the whole picture. The Monochrome Threshold creates defined areas that are suitable for creating the final designs.

*Interior details, within enclosed shapes in the picture, will not be preserved when creating Express Border.* Move the Monochrome Threshold slider bar to the desired setting, or enter a value directly in the box, then click Next.

Adjust the Monochrome Threshold between 0 and 255 by typing in a number, clicking on the left or right of the slider bar or by clicking and dragging the slider bar. To make more of the image black, move the slider to the right or type a higher number in the box. To make more of the image white, move the slider to the left or type a lower number in the box.

## Original Picture



The thumbnail on the left shows the original picture. This allows you to see which colors in the picture have been turned black or white.



## Preview


The preview picture shows the result of applying the Monochrome Threshold.


## Zoom

Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

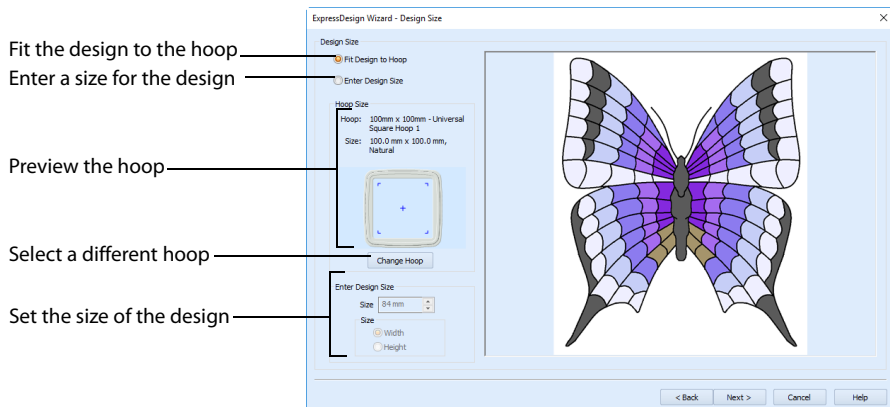
## Back

Return to the Rotate and Crop Picture page for an Express Border design, or to the Outline Finder and Expander page for an Express Trace.

## Next

Go to the Design Size page.

# Design Size



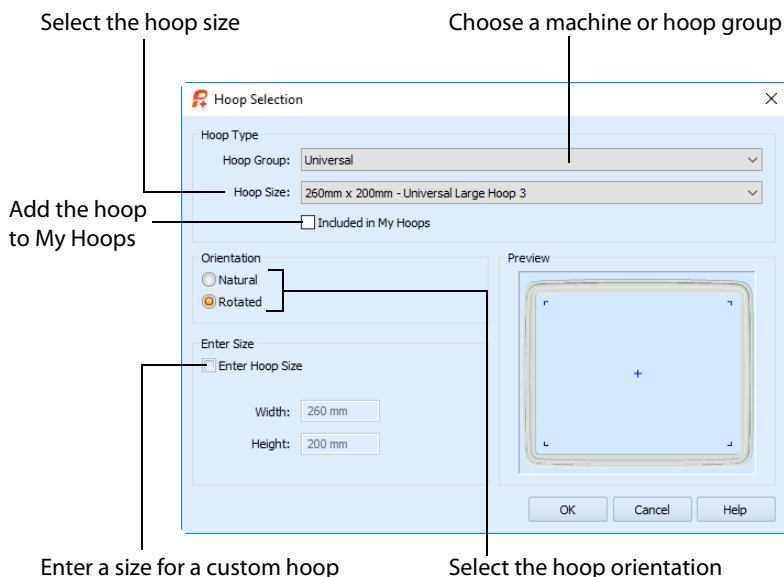
The Design Size page only appears when creating a new design, from New or New Window.

To specify the design size, either select Fit Design to Hoop to ensure the design fits the desired hoop, or choose Enter Design Size to specify the width or height of the design.

## Fit Design to Hoop

The current hoop name and hoop size are shown, with a thumbnail of the hoop. The selected hoop is remembered, next time you use the ExpressDesign Wizard.

Click Change Hoop to choose a different hoop in the Hoop Selection dialog box. The new design will be a best fit to the selected hoop and orientation.



## Hoop Group

The drop-down list of Hoop Groups shows all the machine Hoop Groups, and the My Hoops group, if used.

## Hoop Size

The drop-down Hoop Size list shows the hoops in the chosen Hoop Group. Select the desired hoop size and a picture of the hoop will be shown in the Preview.

## Included in My Hoops

Select (check) Included in My Hoops to add the selected hoop to the My Hoops list. Use the My Hoops list to create a list of your favorite hoops.

*The selected hoops will be displayed in the My Hoops group in the order that they were selected.*

## Orientation

Select Natural or Rotated orientation according to the shape of the embroidery that is to fit in the hoop. Natural orientation is similar to the way the hoop would appear when you sit in front of your machine; note the position of the bracket.

*It is recommended to use natural hoop orientation for designs with Twin Needle colors.*

## Enter Size

To enter a hoop size that is not listed in any of the Hoop Groups, click the Enter Hoop Size box so that it is selected (checked). The Width and Height boxes will become available. You can enter any size from 10mm to 4000mm. The preview shows the shape of the hoop you enter.

*If you position the arrow pointer over the box without clicking, the alternative units and range will be shown.*

## Enter Design Size

Select the dimension you wish to set (the Width or Height of the design), usually the longest side, then enter the size of the design.

*Enter Design Size is not available if one of the Start a New Design with no Picture options was selected in the Choose Design Type page.*

## Back

Return to the:

- Rotate and Crop Picture page for an Express Embroidery and when loading a picture into the Paint window
- Monochrome Threshold page for an Express Trace or Express Border
- Choose Picture page when loading a vector picture into the Draw window
- Select Background Type page when starting a new design with no picture.

## Next

Go to the:

- Choose Thread Colors Page for an Express Embroidery
- Express Trace Options or Express Border Options for those design types

- Reduce Colors Page for loading a picture into the Paint window

## Finish

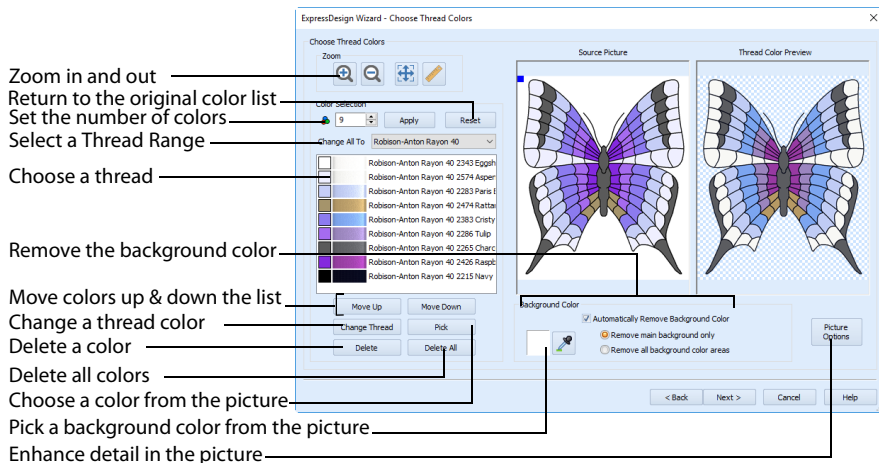
For Start a New Design with No Picture, and for Load a Vector Picture as Objects into the Draw Window, close the ExpressDesign Wizard and open the main screen.



# Express Embroidery Options

There are two wizard pages used to set additional options for creating an Express Embroidery.

## Choose Thread Colors



The Choose Thread Colors page of the ExpressDesign Wizard only appears when you are creating an Express Embroidery. Use the Choose Thread Colors page to match thread colors to colors in the picture, to set the number of colors, and to choose the color order. Select whether or not to keep the background and, if desired, pick a different background color. Optionally, choose whether or not to expand thin lines and set the sensitivity to small areas in the picture.

## Color Selection

### Number of Colors

The Number of Colors is initially set to the Recommended number of colors. The ExpressDesign Wizard determines the optimal number of colors for converting the picture into thread colors. When this number is changed, the list of colors and the preview are updated.

The maximum Number of Colors is 256. For pictures with less than 256 colors, the maximum is the total number of colors in the picture.

*The total number of colors in photographs and other complex color pictures may be shown as 256+. This may mean that there are a lot of small color areas in the picture. This can also happen with clipart in JPEG-JFIF Compliant (.jpg, .jif, .jpeg) format, as this format introduces minor color variations that may not be visible.*

### Apply

Click Apply to recalculate the threads with the new number of colors.

## Reset

Use Reset to return the color list to the initial set of colors. The colors are also re-ordered from light to dark. The colors in the picture will be matched to thread colors from the thread range shown in the Change All To box. Any custom thread matches that are required must be re-selected with Change Thread.

## Change All To

Click the drop-down arrow to choose a different thread range. When a thread range is chosen, each picture color in the list will be assigned the nearest matching thread color from the chosen thread range.

*When a new thread range is chosen, all custom thread matches set by Change Thread will be lost.*

## Picture and Thread Color List

The color list shows the colors that have been automatically selected. The colors are picked to give the closest representation of the original picture with the current Number of Colors. Each time the number of colors is changed, this list is updated.

*Sometimes, when the Number of Colors is reduced to a low number, colors will be chosen that are averages of two or more prominent colors in the picture. This can give a posterized appearance to the Reduced Colors Preview. If this effect is not desired, increase the Number of Colors.*

The list shows a sample of each color currently selected from the picture. Initially, the colors are shown from light to dark, with each picture color automatically matched to a thread color from the thread range shown in Change All To. The color order can be changed. This affects the order that colors are used in the final design.

*The basic color order is set by this list. However, the order for stitch types is satin, then fill, then outlines (running stitch or satin border). Hence, if black is moved so that it is first in this list, it will still be last in the final design if it is only used for outlining.*

The same thread color may be matched to two or more colors in the picture. Each thread color can be individually changed with Change Thread. When thread colors are changed in the list, the Thread Color Preview is updated.

*When more than one color in the picture is matched to the same thread color, the number of color changes in the final embroidery is reduced.*

## Move Up and Move Down

Use Move Up and Move Down to change the order of colors in the list.


## Change Thread

Click a color in the list, then click the Change Thread button. The Color Selection dialog box will appear so that a different thread color can be chosen. Alternatively, double-click a color in the list and the Color Selection dialog box will appear.

*It is recommended only to use Change Thread after the main thread range has been selected.*

## Pick

Click Pick to add thread colors to the list by clicking the desired colors in the Source Picture.

When Pick is selected, the pointer changes to an eyedropper  over the source picture. Click the picture to pick up the color under the tip of the eyedropper, and the nearest matching thread color from the selected Thread Range will be automatically selected and added to the thread color list. The Thread Color Preview will be updated to show any other areas that can use the selected thread color.

*The thread color is picked for the clicked color according to the RGB (red, green, blue) value at the point clicked. If there is already a thread color assigned to that exact RGB value, it will be highlighted in the list instead of adding a thread color to the list.*

## Delete

Delete the picture color currently highlighted in the list. The deleted color is replaced with the nearest remaining picture color in the list. The Thread Color Preview is re-displayed, with the reduced set of thread colors.

## Delete All

Click Delete All to remove all the thread colors from the list if you wish to use Pick to choose colors from the Source Picture.



## Background Color

The background color is automatically determined. It is the color which is used the most along the edges of the picture. If desired, select a different background color.

## Current Background Color

The large color square shows the current background color.

## Pick Background Color

Click Pick Background Color  to choose a different color from the Source Picture as the background color. When Pick Background Color is selected, the pointer changes to an eyedropper  over the source picture. Click the picture to pick up the color under the tip of the eyedropper. The sample of the current background will change. Depending on the choice for Automatically Remove Background Color, the Thread Color Preview may show the effect of removing the selected color.

## Automatically Remove Background Color

When this is selected, the Thread Color Preview will show any areas that will be removed as a checkerboard pattern.

When removing the background color, choose between:

- Remove main background only  
Any areas of the background color that are connected to the edges of the picture will not be used in the final design. Use this option when there are significant design elements in the background color within the design.
- Remove all background color areas  
Any areas of the background color will not be used in the final design. Use this option when the background shows through gaps in the composition. Also choose this if you wish to remove a background color that is not connected to the edges of the picture.

## Removing Multiple Background Colors

Some pictures may have more than one background color, even after color reduction. To remove additional unwanted background colors, change the thread color so that all the background colors use the same thread color.

*If the thread color used for the background color is the same as for a color area that you wish to keep, change the background thread color to a 'false color' that is not needed for this design.*

## Picture Options

Click the Picture Options button to see the Picture Options dialog box, which is used to set the Black Lines option and set the Area Sensitivity.

### Black Lines

There are three options for handling black lines in your picture. Expand Pixel-Thin Lines is chosen by default.

Select No Change if you feel that outlines in the picture do not need to be expanded or reduced.

Select Expand Pixel-Thin Lines to make black lines thicker, to prevent broken lines where pixels join at corners. This option is on by default, to ensure that outlines in the picture are continuous.

Select Reduce Thick Lines if your picture has very heavy outlines, and you prefer to have markout stitching in your picture rather than satin outlines.

### Area Sensitivity

Area Sensitivity is used to determine how significant small areas of color in the picture may be. Choose High, Medium or Low. Area Sensitivity is set to Medium each time the ExpressDesign Wizard is used.

Use High sensitivity to increase the detail extracted from the picture. This is useful, for example, when facial details are ignored at Medium sensitivity. Use Low sensitivity to decrease the detail extracted from the picture. This is useful, for example, when unwanted details are retained in the design at Medium.

## Previews

### Source Picture

This shows the original picture, after being rotated and cropped, in full color.



### Thread Color Preview



This shows how the thread colors have been chosen to replace colors in the picture. This gives an approximate indication of where thread blocks will be in the final design.


*If variegated threads have been selected, only the first color is shown in the preview.*


## Zoom

Use the Zoom functions to change the view of the picture. The same area of the picture is shown in both previews when the zoom level is changed.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

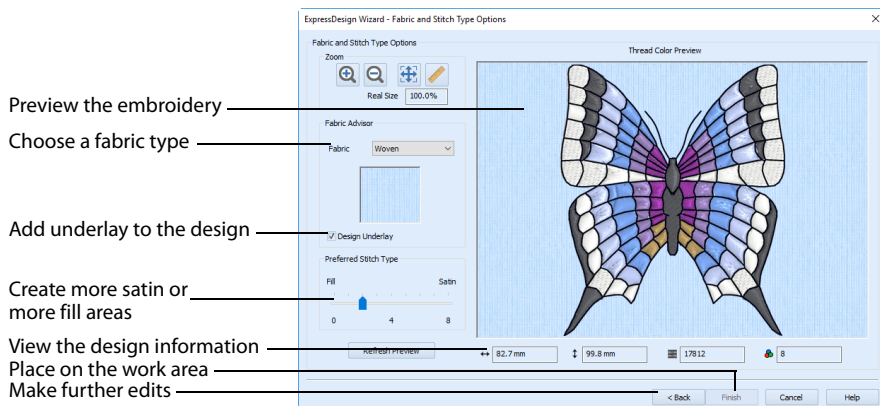
## Back

Return to the Design Size page.

## Next

Go to the Fabric and Stitch Type Options page.

# Fabric and Stitch Type Options



The Fabric and Stitch Type Options page of the ExpressDesign Wizard only appears when you are creating an Express Embroidery. Use the Fabric and Stitch Type page to choose the typical fabric that the design will be stitched onto, and the preference for fill areas or satin areas.

## Fabric Advisor

### Fabric

Choose the fabric on which the design will be stitched. Adjustments are made in the embroidery creation process to suit the chosen fabric, such as the type of underlay chosen for individual areas of satin or fill.

### Design Underlay

Choose Design Underlay to provide stitching below the whole embroidery, in addition to automatic underlay in different areas.

*When Design Underlay is turned off it is easier to convert pattern fill areas to lightly stitched specialty fills.*

## Preferred Stitch Type

This affects whether areas are likely to be created as satin or fill. If you prefer satin, move the slider to the right. If you prefer fill, move the slider to the left. The design size also influences whether areas are created as satin or fill, as this affects the size of individual areas.

*To see the effect of different options, click Refresh Preview to regenerate the design.*

## Refresh Preview

Refresh the preview with your new settings.

*If a change is made to the options, you must click Refresh Preview before you can click Finish.*



## Design Information



The design information boxes show the dimensions (Width ↔ and Height ↑↓), Stitch Count █, and number of colors 🌈 for the embroidery. The design information may


change when the embroidery is exported, depending on the Optimize for Sewing Options.


## Zoom

Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Thread Color Preview

This shows how the thread colors have been chosen to replace colors in the picture. This allows you to view and check the final design before closing the ExpressDesign Wizard.

## Back

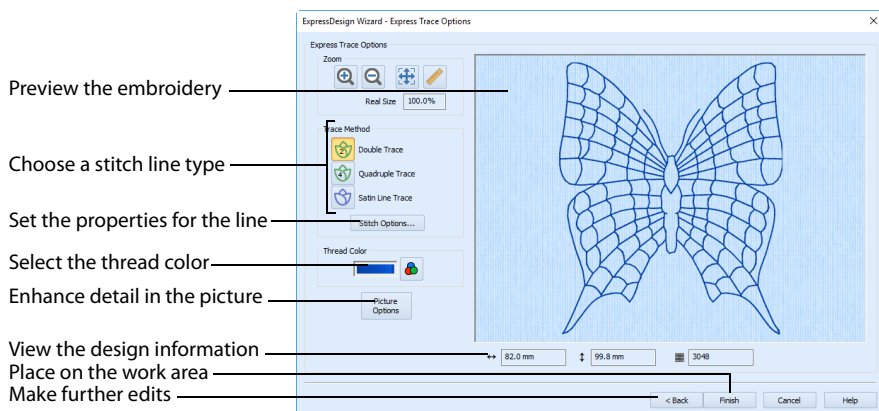
If desired, use the Back button to go back through the ExpressDesign Wizard and modify settings before previewing the design again.

## Finish

Accept the final design and close the ExpressDesign Wizard.

*If a change is made to the options, you must click Refresh Preview before you can click Finish.*

# Express Trace Options



The Express Trace Options page of the ExpressDesign Wizard only appears if you are creating an Express Trace design. Select whether lines in the picture will be traced with light running stitch, heavy running stitch or constant width satin. Also select the thread color.

## Trace Method

### Double Trace

Trace the picture with Double Stitch where possible, with a layer of Running Stitch where necessary.

### Quadruple Trace

Trace the picture with Triple Stitch where possible, with an additional layer of Running Stitch where necessary.

### Satin Line Trace

Trace the picture with satin line, using the same width and density for the satin line throughout.

## Stitch Options

Click the Stitch Options button to see the options for the selected QuickTrace Method.


- If Double Trace or Quadruple Trace are selected the Trace Options dialog box is displayed.
- If Satin Line Trace is selected the Satin Line dialog box is displayed. See “Satin Line” on page 377.

## Trace Options

Use the Trace Options dialog box to set the Stitch Length of the running stitch to use for Double Trace and Quadruple Trace, from 1 to 12mm in steps of 0.1mm. The initial setting is 2mm.



## Thread Color

Set the Thread Color for the stitches. Click the Color Change button  to choose a different color in the Color Selection dialog box. The thread sample is updated with the selected color.

## Picture Options





Click the Picture Options button to see the Picture Options dialog, which is used to set the Area Sensitivity.

### Area Sensitivity

Area Sensitivity is used to determine how significant small areas of color in the picture may be. Choose High, Medium or Low. Area Sensitivity is set to Medium each time the ExpressDesign Wizard is used.



Use High sensitivity to increase the detail extracted from the picture. This is useful, for example, when facial details are ignored at Medium sensitivity. Use Low sensitivity to decrease the detail extracted from the picture. This is useful, for example, when unwanted details are retained in the design at Medium sensitivity.



## Design Information


The design information boxes show the dimensions (Width  and Height ) , Stitch Count , and number of colors  for the embroidery. The design information may change when the embroidery is exported, depending on the Optimize for Sewing Options.


## Zoom

Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Preview

The preview shows the lines in the picture that will be traced. If desired, use the Zoom controls to change the view of the preview.

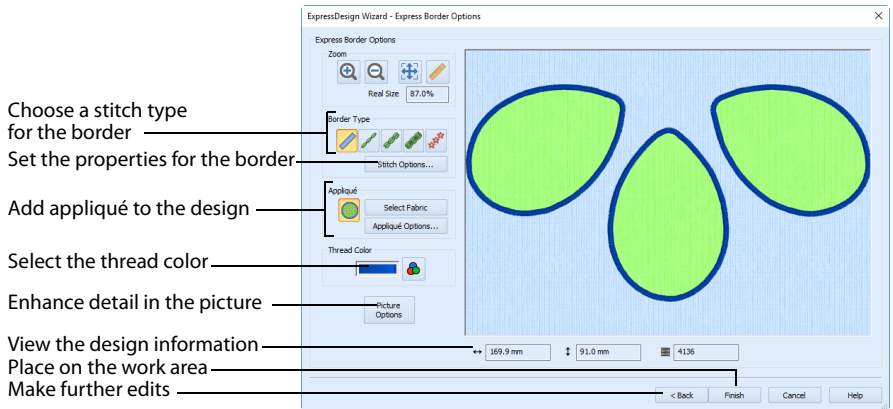
## Back

If desired, use the Back button to go back through the ExpressDesign Wizard and modify settings before previewing the design again.

## Finish

Accept the final design and close the ExpressDesign Wizard.






# Express Border Options



The Express Border Options page of the ExpressDesign Wizard only appears if you are creating an Express Border design. Use the Border Options to select the type of stitching used for the borders, appliqué settings, and to choose the thread color.

## Border Type

Select the type of border to create around areas of the picture from one of the following:

- Satin Line : see “Satin Line” on page 377.
- Running Stitch : see “Running Stitch” on page 369.
- Double Stitch : see “Double Stitch” on page 371.
- Triple Stitch : see “Triple Stitch” on page 375.
- Motif Line : see “Motif Line” on page 378.

*When Appliqué is selected, the preview shows where the appliqué fabric should be placed.*

## Stitch Options

After selecting the type of border, click the Stitch Options button to show the properties for that border type. If desired, adjust the properties and click OK.


## Appliqué

Select Appliqué  to use appliqué within the borders of the design.

- Click Select Fabric to change the appliqué fabric. See “Appliqué Selection” on page 260.
- Click Appliqué Options to select the appliqué type. See “Appliqué Options” on page 81.

*When Appliqué is selected, the preview shows where the appliqué fabric should be placed.*

## Thread Color

Set the Thread Color for the stitches. Click the Color Change button  to choose a different color in the Color Selection dialog box. The thread sample is updated with the selected color.

## Picture Options





Click the Picture Options button to see the Picture Options dialog, which is used to set the Area Sensitivity.

### Area Sensitivity

Area Sensitivity is used to determine how significant small areas of color in the picture may be. Choose High, Medium or Low. Area Sensitivity is set to Medium each time the ExpressDesign Wizard is used.



Use High sensitivity to increase the detail extracted from the picture. This is useful, for example, when facial details are ignored at Medium sensitivity. Use Low sensitivity to decrease the detail extracted from the picture. This is useful, for example, when unwanted details are retained in the design at Medium sensitivity.



## Design Information

The design information boxes show the dimensions (Width  and Height ) , Stitch Count , and number of colors  for the embroidery. The design information may change when the embroidery is exported, depending on the Optimize for Sewing Options.


## Zoom

Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Preview

The preview shows where the borders will be created. It allows you to view and check the final design before closing the ExpressDesign Wizard.

## Back

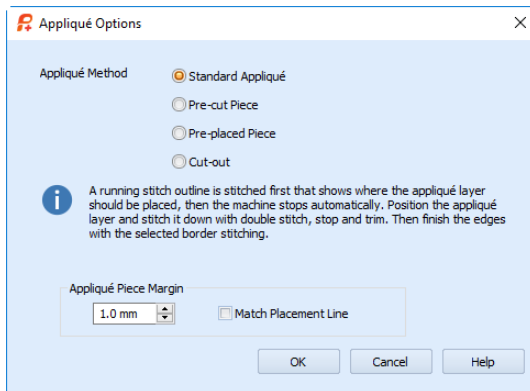
If desired, use the Back button to go back through the ExpressDesign Wizard and modify settings before previewing the design again.

## Finish

Accept the final design and close the ExpressDesign Wizard.

# Appliqué Options

Select the appliqué method, and set the appliqué piece margin.



## Appliqué Method

When appliqué is created, additional stitches are added at the beginning of the appliqué piece for placing the appliqué fabric. Use these options to determine how these stitches are added.

Select the appliqué method before or after creating an area or line. Choose from:

- None
- Standard Appliqué
- Pre-cut Piece
- Pre-placed Piece
- Cut-out

## Standard Appliqué

Stitch a running line to show where appliqué fabric should be placed, then stop to position the fabric. Stitch down the appliqué fabric with double stitch, then stop so the fabric may be trimmed. Finish the edges with the selected border stitching.

## Pre-cut Piece

Use a pre-cut appliqué piece; created, for example, using an automatic cutter or cutwork needles.

Stitch a running line to show where the pre-cut appliqué piece should be placed, then stop to position the appliqué piece. Stitch down the appliqué piece with double stitch, then finish the edges with the selected border stitching.

## Pre-placed Piece

Place the appliqué fabric before stitching.

Place the appliqué layer in position, then stitch down the appliqué fabric with double stitch. Stop so the fabric may be trimmed. Finish the edges with the selected border stitching.

## Cut-out

Use the appliqué placement line as a guide to where the fabric should be cut; for example for reverse appliqué.

Stitch a double stitch line. Stop so the fabric may be cut to form a hole defined by the stitched outline. Finish the edges with the selected border stitching.

## Appliqué Piece Margin

Set the margin for appliqué placement relative to the drawn border shape from -10mm to 10mm. The initial value is 1.0mm.

*Use a positive value when trimming the appliqué fabric before the border is stitched, for example with Standard Appliqué and Pre-placed Appliqué. A negative value is recommended for cut-out and reverse appliqué.*

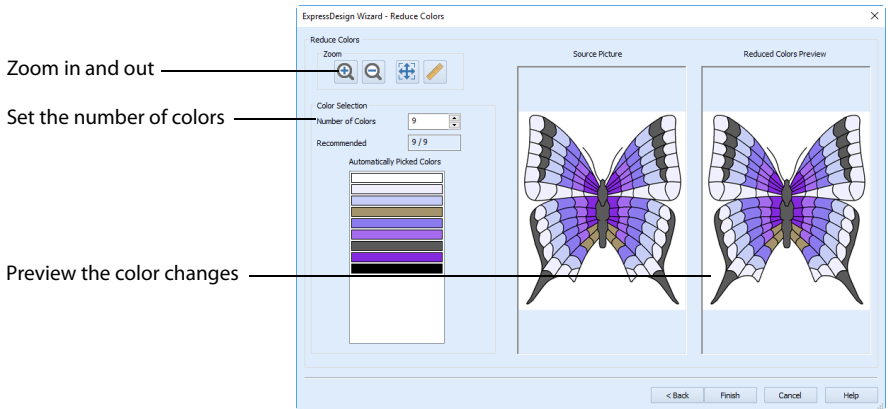
*Placement stitches are set to 2.0mm initially. To alter the stitch length for individual lines, use the Break Apart function for the area.*

## Match Placement Line

Adjust the position of the first running stitch line for either Standard Appliqué or Pre-cut Piece so that it matches the outline of the appliqué piece after the Appliqué Piece Margin has been applied.



*This may be useful for precise positioning of appliqué pieces that have been pre-cut with an automated cutter, to ensure the placement line is visible.*

# Reduce Colors



The Reduce Colors page of the ExpressDesign Wizard appears if you are loading a picture for a new design into the Paint window.

Use the Reduce Colors page to reduce the number of colors in the picture. This helps reduce the number of colors, or 'flatten' some complex areas of color, to make the picture easier to use with QuickStitch™ and QuickTrace features.

To load a picture without reducing the number of colors, use Insert Picture  or Open Picture  on the File menu for the Paint tab. See "Insert Picture" on page 153 and "Open Picture" on page 154.

## Color Selection

### Number of Colors

The Number of Colors is initially set to the Recommended number of colors. When this number is changed, the list of colors and the preview are updated.

The maximum Number of Colors is 256. For pictures with less than 256 colors, the maximum is the total number of colors in the picture.

### Recommended

The ExpressDesign Wizard determines the optimal number of colors for the picture. This optimal number is shown as the Recommended number of colors, out of the total number of colors.

*The total number of colors in photographs and other complex color pictures may be shown as 256+. This may mean that there are a lot of small color areas in the picture. This can also happen with clipart in JPEG-JFIF Compliant (.jpg, .jif, .jpeg) format, as this format introduces minor color variations that may not be visible.*

### Automatically Picked Colors

The color list shows the colors that have been automatically selected. The colors are picked to give the closest representation of the original picture with the current Number of Colors. Each time the number of colors is changed, this list is updated.

Sometimes, when the Number of Colors is reduced from the Recommended number, colors will be picked that are averages of two or more prominent colors in the picture. This will give a posterized appearance to the Reduced Colors Preview. If this effect is not desired, increase the Number of Colors.



## Previews



### Source Picture

This shows the original picture, after being rotated and cropped, in full color.

### Reduced Colors Preview



This shows the picture with the reduced set of colors.



*If you do not like the way graduated color areas are split into flatter color areas, even after adjusting the Number of Colors, click Cancel. Use Open Picture  in the Paint window to open the picture and edit the picture as desired. Save the edited picture with a new name with Save As Picture .*


*If you wanted to create an Express Embroidery from the picture, use Send To Wizard  to open the edited picture directly into the ExpressDesign Wizard. If you wanted to open the picture in the ExpressDesign Wizard to create a new design, click File, New  then open the newly saved picture on the Choose Picture page of the wizard.*


## Zoom

Use the Zoom functions to change the view of the picture. The same area of the picture is shown in both previews when the zoom level is changed.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Back

Return to the Rotate and Crop Picture page.

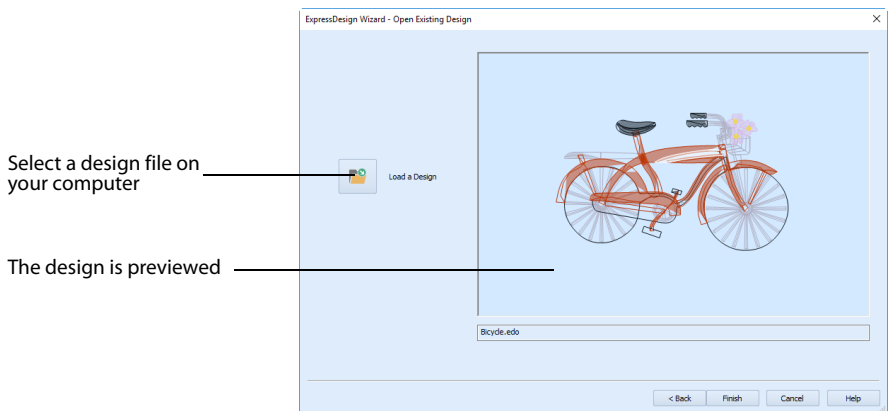
## Finish

Close the ExpressDesign Wizard and load the final picture onto the main screen.




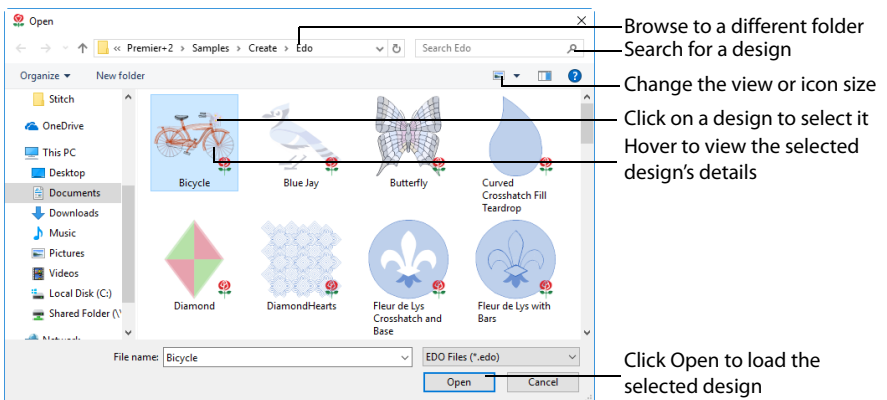
# Open Existing Design

This page only appears if you choose the Load Existing Design option on the first page of the ExpressDesign Wizard.



## Load a Design

Click the Load a Design  icon. The Open dialog box will appear. After selecting a design, the preview box will show the selected design with its name underneath. Click Next to continue.



## Preview

The preview area shows the objects in the selected design, with the name of the design underneath.

## Back

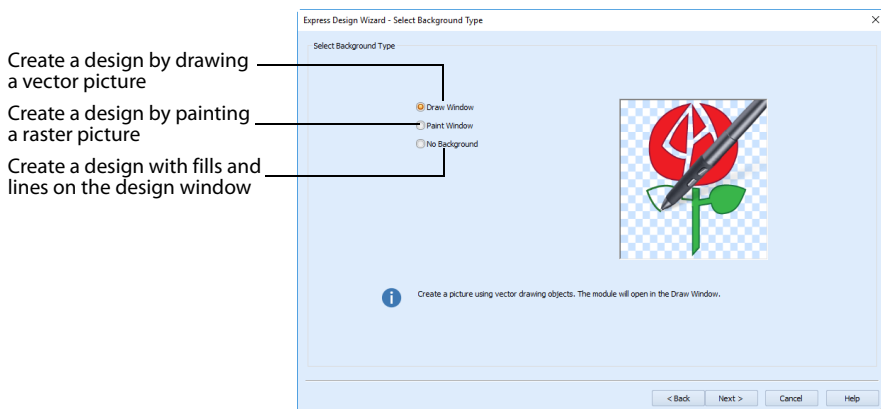
Return to the Choose Design Type page.

## Finish

Close the ExpressDesign Wizard and load the chosen design on the main screen.

# Select Background Type

This page only appears if you choose the Start a New Design with no Picture option on the first page of the ExpressDesign Wizard.



## Draw Window

Create a new design by drawing a vector picture. Select a hoop or design size. The wizard then finishes and the Draw window is displayed.



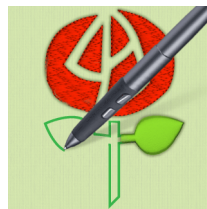
## Paint Window

Create a new design by painting a raster picture. Select a hoop or design size. The wizard then finishes and the Paint window is displayed.





## No Background

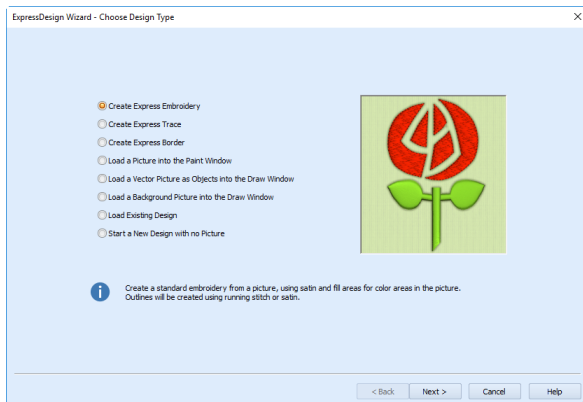
Create a new design with fills and lines on the Design window. Select a hoop or design size. The wizard then finishes and the Design window is displayed. The Draw window is also available.



# Using the ExpressDesign Wizard

## Create a Petal Design with the ExpressDesign Wizard

- 1 Click File, New , or File, New Window  and the Choose Design Type page of the ExpressDesign Wizard will appear.

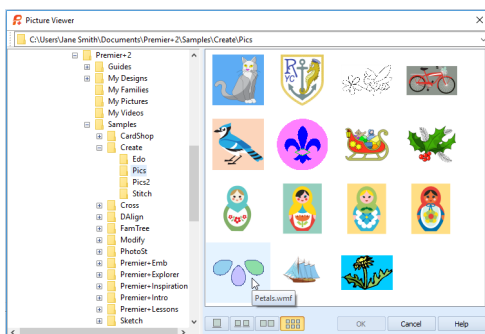


- 2 Leave Create Express Embroidery selected and click Next. The Choose Picture page will appear.

- 3 Click Load a Picture  and the viewer will appear.

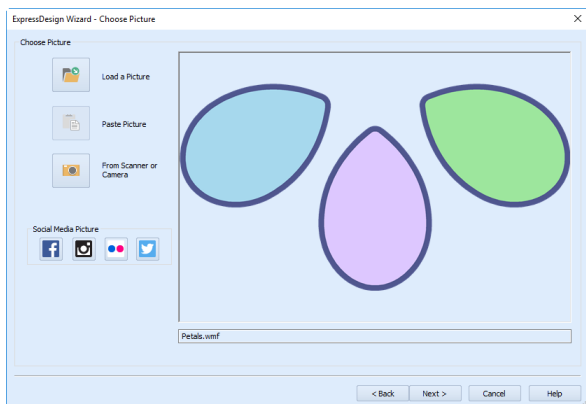
- 4 In the Picture Viewer, browse to Documents\Premier+2\Samples\Create\Pics. The pictures in the folder will be shown.

*If you position the arrow pointer over a thumbnail without clicking, the name of the picture will be shown. The picture to be used is called 'Petals.wmf'. Alternatively, select an icon display that shows the names.*



- 5 Click the 'Petals.wmf' thumbnail, and then click OK. The picture is loaded onto the Choose Picture page, with its name shown below the preview area.

- 6 Click Next and the Rotate and Crop Picture page will appear. Notice that the picture has no background color yet. This is because pictures in Windows Meta File (wmf) format can have an empty background. However, after the picture is cropped, white is used by the ExpressDesign Wizard to replace empty areas.

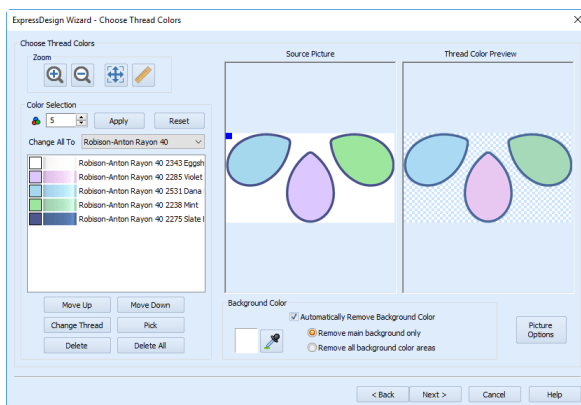


When white thread is not desired in the background of an Express Embroidery, it may be removed on the Choose Thread Colors page. The white background is ignored by Express Trace and Express Border.

- 7 No adjustment of the crop area is required, so click Next and the Design Size page will appear.

- 8 In Design Size, select Fit Design To Hoop.
- 9 Click Change Hoop and the Hoop Selection dialog box appears.
- 10 Under Enter Size, ensure that Enter Hoop size is not selected (checked).
- 11 Select the Universal Hoop Group, then set Hoop Size to 240mm x 150mm - Universal Large Hoop 2. Ensure the Orientation is Rotated, and click OK. The chosen hoop is previewed.

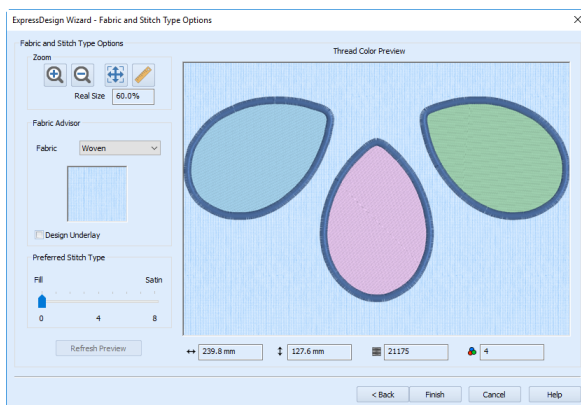
- 12 Click Next and the Choose Thread Colors page will appear. Notice that all 5 of the 5 possible colors have been automatically picked.





- 13 If the thread range in the Change All To box is not set to Robison-Anton Rayon 40, click the drop-down arrow at the end and select Robison-Anton Rayon 40.

- 14 Under Background Color, the large white square shows that white is the detected background color. The white background is not required, so ensure Automatically Remove Background Color is selected. A check pattern in the Thread Color Preview shows where there will be no stitches.




- 15 Click Next. Stitches will be created, then the Fabric and Stitch Type Options page will appear.
- 16 Ensure that the Fabric is set to Woven. Notice that the design is previewed on the selected fabric. This may differ from the fabric selected in PREMIER+™ 2 Configure, but the background color chosen in PREMIER+™ 2 Configure is always used.

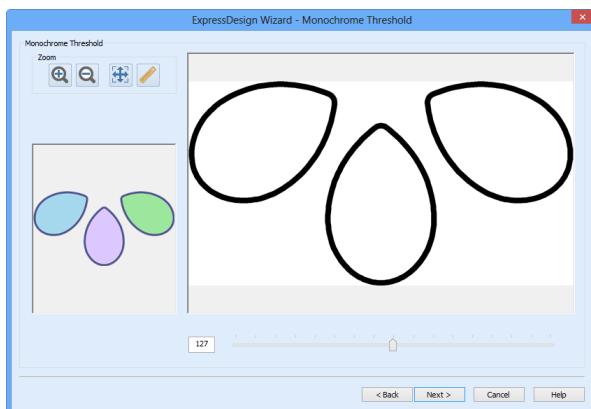
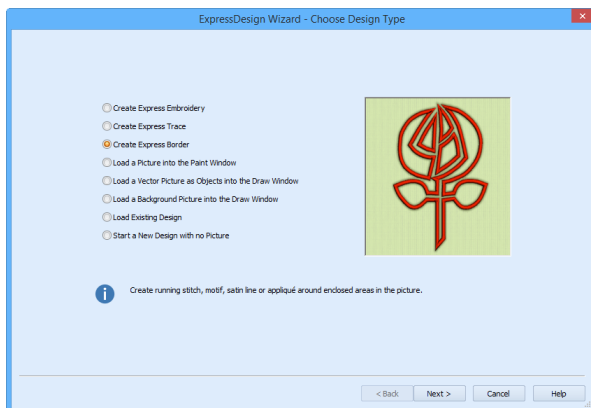



- 17 Ensure the Design Underlay option is turned off and leave the Preferred Stitch Type slider all the way to the left. Some of the petals will be changed to lightly stitched fill patterns that would reveal the underlay if it is left on.
- 18 Click Finish and the final design and its picture are shown on the work area. If you have changed any of the settings, you must click Refresh Preview before using Finish.
- 19 Click the Edit button  next to the Notes box on the Design Panel.
- 20 In the Notes dialog box enter 'Floral'.
- 21 Use the quick keyword selector to add the keywords 'Flowers and Gardens'. Then click OK. Notes entered for the design will also be saved in the embroidery when it is exported in .vp4 format. Notes are used to search for embroideries by key words in Windows® Explorer.
- 22 Click Save  and browse to the folder Documents\Premier+2\My Designs.
- 23 Change the File name to 'PetalsBasicFill' and click Save. This saves your project as a design file in .edo format. Use this design to create a variety of filled petals. See:

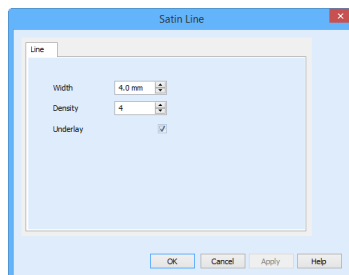
- Pattern Fill Petals: “Change a Fill Area to a Leaf Pattern” on page 287, “Create a Single Color Gradient Fill in a Petal” on page 291 and “Use a Bee for a My Fill Pattern” on page 339.
- Density Effect Petals: “Fill a Petal with a Multicolor Gradient Density Fill” on page 293, “Use a Radial Fill in a Petal” on page 307 and “Fill a Petal with a Spiral Fill with Gradient Density” on page 311.
- Shape Fill Petals: “Use Shape Fills in Three Petals” on page 305.
- Motif Line and Fill Petals: “Use Motif Fills in Two Petals” on page 299 and “Create a Flower with Motif Lines” on page 381.



## Create Appliqué Areas with Express Border

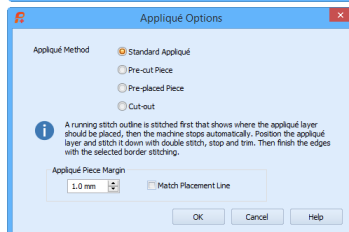
- 1 Click New  or File, New Window. The Choose Design Type page of the ExpressDesign Wizard will appear.
- 2 Click Create Express Border .
- 3 Click Next and the Choose Picture page will appear.
- 4 Click Load a Picture . In Documents\Premier+2\Samples\Create\Pics, click the 'Petals.wmf' thumbnail, then click OK. The picture will be loaded onto the Choose Picture page.
- 5 Click Next and the Rotate and Crop Picture page will appear.
- 6 No rotation or adjustment of crop lines is required, so click Next and the Monochrome Threshold page will appear. *Only the thick outlines are dark enough to show at the default Monochrome Threshold. They make three fully enclosed shapes that will become solid shapes later in the ExpressDesign Wizard.* Move the slider to view which parts of the picture are selected at different Monochrome Threshold levels, then return the slider to its original position.
- 7 Click Next and the Design Size page will appear.
- 8 Select Fit Design To Hoop.



- 9 Click Change Hoop, and in the Hoop Selection dialog box, select 240mm x 150mm - Universal Large Hoop 2 with Rotated Orientation. Click OK.
- 10 Click Next. The picture will be processed and the Express Border Options page will appear.
- 11 In Border Type, ensure that Satin Line  is selected.
- 12 Click Stitch Options.
- 13 In the Satin Line dialog box set Width to 4.0mm, and ensure that Underlay is selected (checked).
- 14 Click OK to close the Satin Line dialog box.

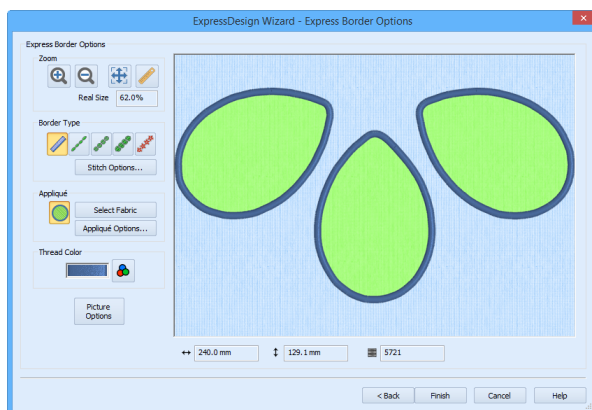




- 15 Ensure that Appliqué  is selected. The preview shows the areas where appliqué fabric will be stitched.
- 16 Click Appliqué Options and the Appliqué Options dialog box will appear.
- 17 Ensure that Standard Appliqué is selected.
- 18 Click OK.
- 19 Click the Thread Color icon  and the Color Selection dialog box will appear.
- 20 Ensure the Thread Range is set to Robison-Anton Rayon 40. Type 2275 in the Find Thread box to select 2275 (Slate Blue).



*This matches the border color that was automatically selected for the Express Embroidery in "Create a Petal Design with the ExpressDesign Wizard" on page 87.*




- 21 Click OK. The border lines in the preview are updated to show the new thread color.
- 22 Click Finish. The new design is shown on the work area. Notice that the petals in the background picture are solid areas of color, indicating it is an appliqué section.

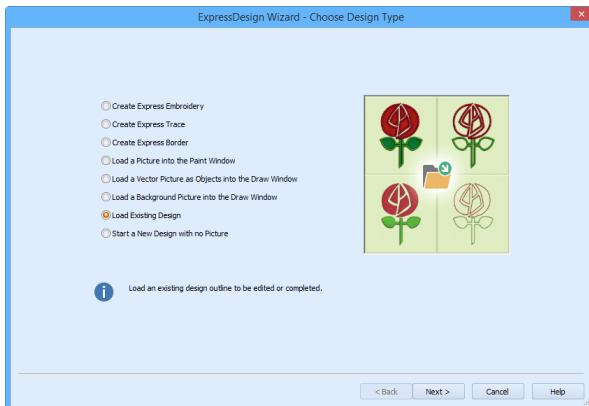


- 23 In the Design Panel, click the Edit button  next to the Notes and Settings box.
  - 24 In the Notes dialog box enter 'Floral'.
  - 25 Use the quick keyword selector to add the keywords 'Flowers and Gardens'. Then click OK.
  - 26 Click Save . Browse to the folder Documents\Premier+2\My Designs. Change the File name to 'PetalsBasicApplique' and click Save to save the design as an .edo file.
- Use this design to create a variety of appliqué petals. See:

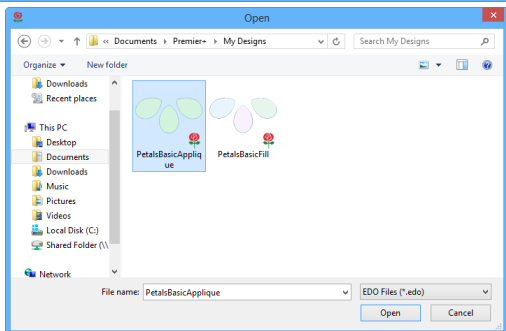
- PetalsAppliqué1: "Change Satin Line to Motif Line in an Appliqué Petal" on page 384 and "Insert QuiltStipple Fill in a Petal" on page 314.
- PetalsAppliqué2: "Change Satin Line to Picot Motif Line" on page 385, "Insert Motif Fill in an Appliqué Petal" on page 300 and "Create a Contour Fill Flower" on page 316.

## Load PetalsBasicApplique in the ExpressDesign Wizard

- 1 Click File, New , or File, New Window  and the Choose Design Type page of the ExpressDesign Wizard will appear.
- 2 Select the Load Existing Design option.
- 3 Click Next and the Open Existing Design page will appear.
- 4 Click Load a Design .
- 5 Browse to the folder Documents\Premier+2\Samples\Create\Edo.  
*Alternatively, use the file you created in "Create Appliqué Areas with Express Border" on page 89.*

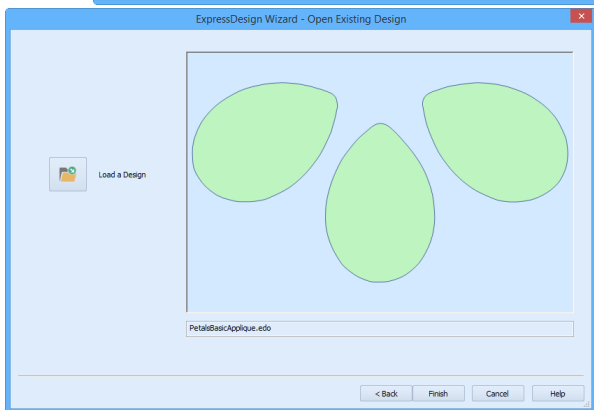


- 6 Click OK and the designs in the folder will be shown.








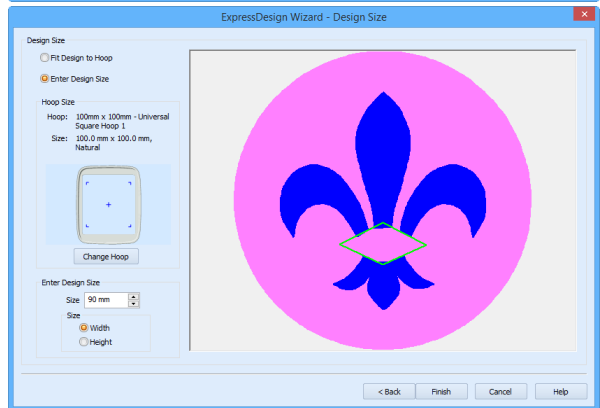
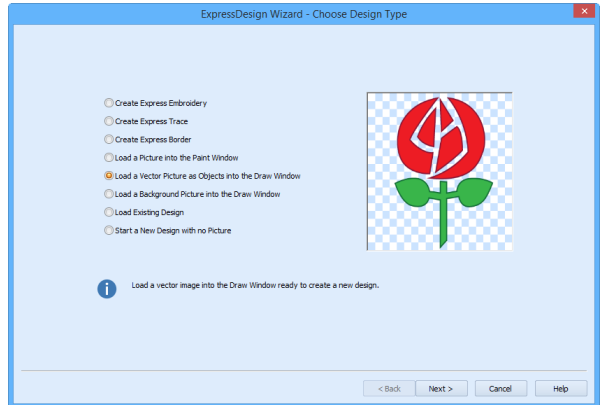
- 7 Click the 'PetalsBasicApplique' thumbnail. The viewer will close and the design will be loaded onto the preview area.  
*The full name of the design is shown below, it is called 'PetalsBasicApplique.edo'.*

- 8 Click Finish and the design will be loaded onto the work area.





## Load a Fleur de Lys as a Picture in the Draw Window

- 1 In the Quick Access toolbar, click Change Hoop  and the Hoop Selection dialog box appears.
- 2 Ensure that Enter Hoop Size is not selected.
- 3 Ensure the Hoop Group is set to Universal. Click the drop-down arrow for Hoop Size and select 100mm x 100mm - Universal Square Hoop 1. Click OK.
- 4 Click the View tab, and ensure that Grid size is set to 5mm.
- 5 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 6 Click File, New , or File, New Window  and the Choose Design Type page of the ExpressDesign Wizard will appear.
- 7 Click Load a Vector Picture as Objects into the Draw Window, then click Next.
- 8 Click Load a Picture  and the viewer will appear.
- 9 In the Picture Viewer dialog box, browse to Documents\Premier+2\Samples\Create\Pics.
- 10 Click to select 'Fleur de lys.wmf', then click OK. The picture will be loaded onto the Choose Picture page, with its name shown below the preview area.
- 11 Click Next and the Design Size page will appear.
- 12 Click Enter Design Size.
- 13 Change the Size to 90mm and click Width.
- 14 Click Finish. The picture will be shown on the work area.












In the Draw window, you may open pictures with Insert Drawing , Open Drawing , and Open Background Picture.

To open paintings, see “Managing Paintings” on page 153.


In the Draw window the following file formats may be loaded: 4QB (.4qb), QuiltSewClever / Quilt Artist / Shirley Stitcher QCC (\*.qcc), Windows Meta File (.wmf), Windows Enhanced Meta File (.emf), CorelDraw (.cdr version 7-13, .cmx), Encapsulated PostScript File (\*.eps), Scalable Vector Graphics (.svg), HPGL (\*.hp and \*.plt), PC Quilter (\*.txt), Statler Stitcher (\*.qli), AutoCAD (\*.dxf), CompuQuilter (\*.cmd and \*.cqp), Handi Quilter (\*.hqf) and IntelliQuilter (\*.iqp).

Use Insert Drawing  or Open Drawing  if you wish to adjust a picture in its original form before using it to create a design in the ExpressDesign Wizard. A picture opened with Insert Drawing  or Open Drawing  will not have its colors reduced or modified, as it would in the ExpressDesign Wizard.

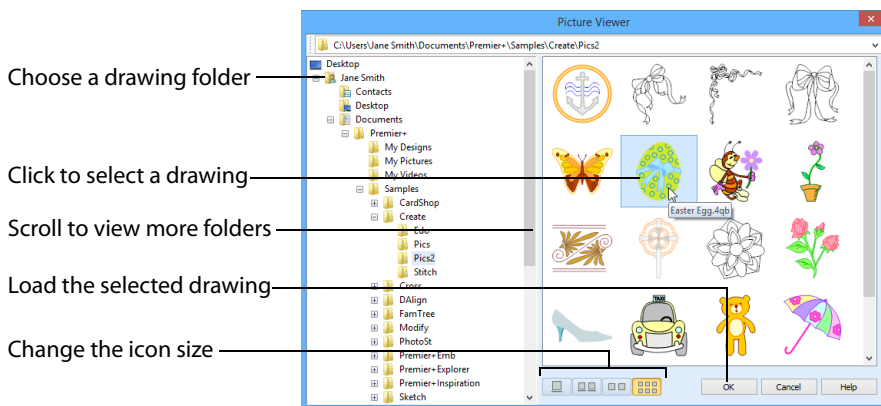
Open Drawing  is only available when there are no stitch objects in the design. Either use Insert Drawing  instead, or click File, New, select ‘Start a New Design with no Picture’ and select a Draw window. Then open the drawing.

Drawings may be saved with a new name and location using Save As Drawing .

## Insert Drawing

Use Insert Drawing  to add an existing drawing to the current design. All sections of the design will be grouped together, ready for moving, resizing and so on.

PREMIER+™ 2 Create displays the Picture Viewer so you can choose a drawing to open. You may load quilting and vector graphic design files in a variety of formats.



Open a folder, and scroll down and click a drawing to select it. Click OK to load the drawing on the work area.

You can change the icon size, and show the names of the drawings.


You may load files in 4QB (\*.4qb), Windows Meta File and Windows Enhanced Meta File (\*.wmf and \*.emf), CorelDraw CDR and CMX Files (.cdr and cmx), Scalable Vector Graphics (.svg), HPGL (\*.hp and \*.plt), PC Quilter (\*.txt), Statler Stitcher QLI (\*.qli), AutoCAD DXF (\*.dxf), CompuQuilter (\*.cmd and \*.cqp), Handi Quilter (\*.hqf), QuiltSewClever / Quilt Artist / Shirley Stitcher QCC (\*.qcc), Encapsulated PostScript File (.eps) and IntelliQuilter (\*.iqp) formats.

*Quilting files other than \*.4qb, \*.emf, \*.wmf and HPGL do not have color information. They are shown in black.*

## Shortcut


- File Menu: 

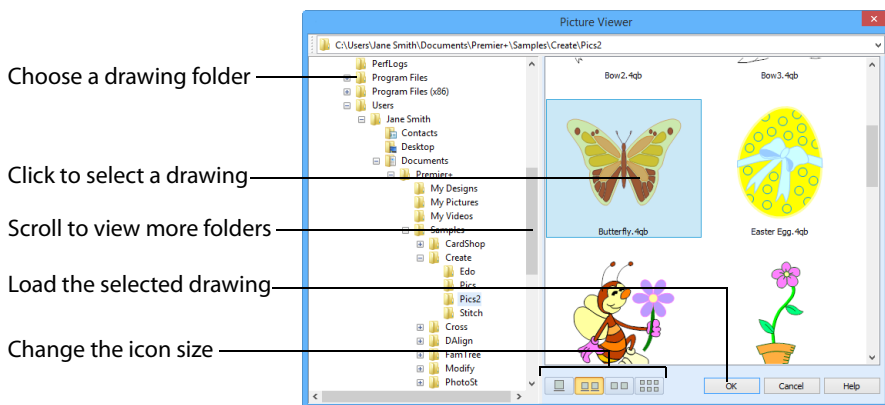
## Insert a Drawing

- 1 With the Draw tab selected, click File, Insert Drawing . The Picture Viewer appears.
- 2 Browse through the drives and folders of the computer to the desired folder.
- 3 Click on an icon to select the drawing.
- 4 Click Open to load the drawing into the work area.

*Alternatively, double-click the icon for the drawing.*

# Open Drawing

Use File, Open Drawing  to open an existing picture. PREMIER+™ 2 Create displays the Picture Viewer so you can choose which picture to open.




Open a folder, and scroll down and click a drawing to select it. Click OK to load the drawing on the work area.

*You can change the icon size, and show the names of the drawings.*


## Shortcuts

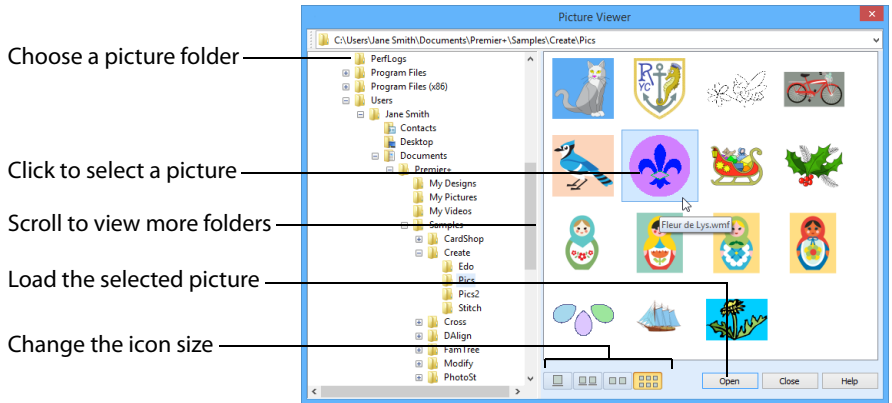
- File Menu: 
- Keys: Ctrl + O

## Open a Drawing

- 1 With the Draw tab selected, click File, Open Drawing . The Picture Viewer appears.
- 2 Browse through the drives and folders of the computer to the desired folder.
- 3 Click on an icon to select the drawing.
- 4 Click Open to load the drawing into the work area.  
*Alternatively, double-click the icon for the drawing.*

# Open Background Picture

Use File, Open Background Picture  to open an existing picture as a background on which to create a design. PREMIER+™ 2 Create displays the Picture Viewer so you can choose which painting to open.



*Open Background Picture allows you to use picture formats that are not compatible with vector graphics as a background for freehand tracing.*


Open a folder, and scroll down and click a picture to select it. Click Open to load the picture on the work area.

*You can change the icon size, and show the names of the pictures.*


## Shortcut

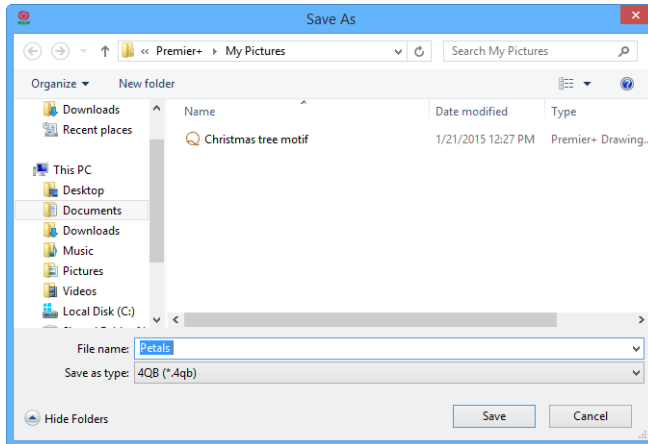
- File Menu: 

## Open a Picture as a Background

- 1 Click File, Open Background Picture . The Picture Viewer appears.
- 2 Browse through the drives and folders of the computer to the desired folder.
- 3 Click on an icon to select the picture.
- 4 Click Open to load the picture into the work area.  
*Alternatively, double-click the icon for the picture.*

# Save As Drawing

Use File, Save As Drawing  to save changes to a picture you have edited, or save a picture you have created with the PREMIER+™ 2 Create drawing tools, or save a picture after it has been loaded and modified with the ExpressDesign Wizard.




The following file format may be saved: 4QB (.4qb).

To save as other formats, use *Export as Clipart*.

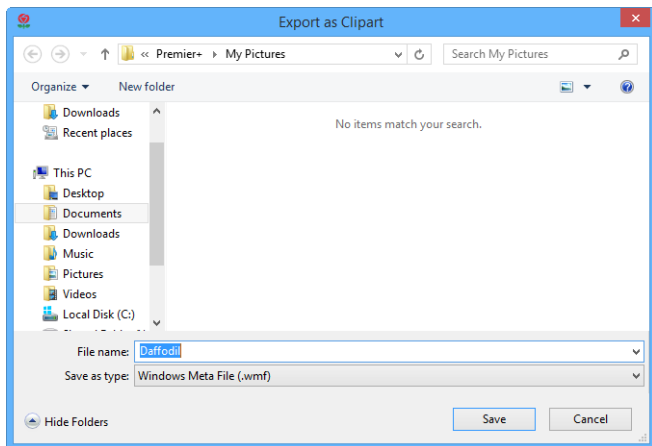
## Shortcuts

- File Menu 
- Keys: Ctrl + S

# Export as Clipart

Use File, Export as Clipart  to save the design in the Draw window as a picture.

PREMIER+™ 2 Create can save designs as any of the following picture file formats: Windows or OS2 Bitmap (.bmp), JPEG High Quality and JPEG Low Quality (.jpg), Portable Network Graphics (.png), Tagged Image File Format uncompressed (.tif), Windows Meta File (.wmf) and Windows Enhanced Meta File (.emf).



## Save In

Select the drive or folder in which you want to store the picture file.

## File Name

Type a new filename to save a design with a different name. Long filenames may be used. PREMIER+™ 2 Create adds the three-character extension you specify in the Save As Type box.

## Save As Type


The default file type is Windows Meta File (.wmf).

## Shortcut

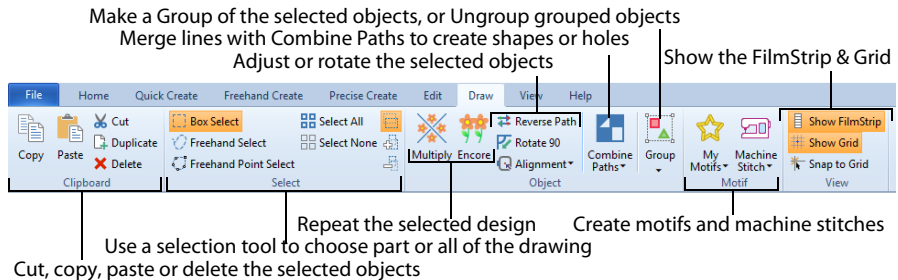
- File Menu: 

# Creating a Drawing

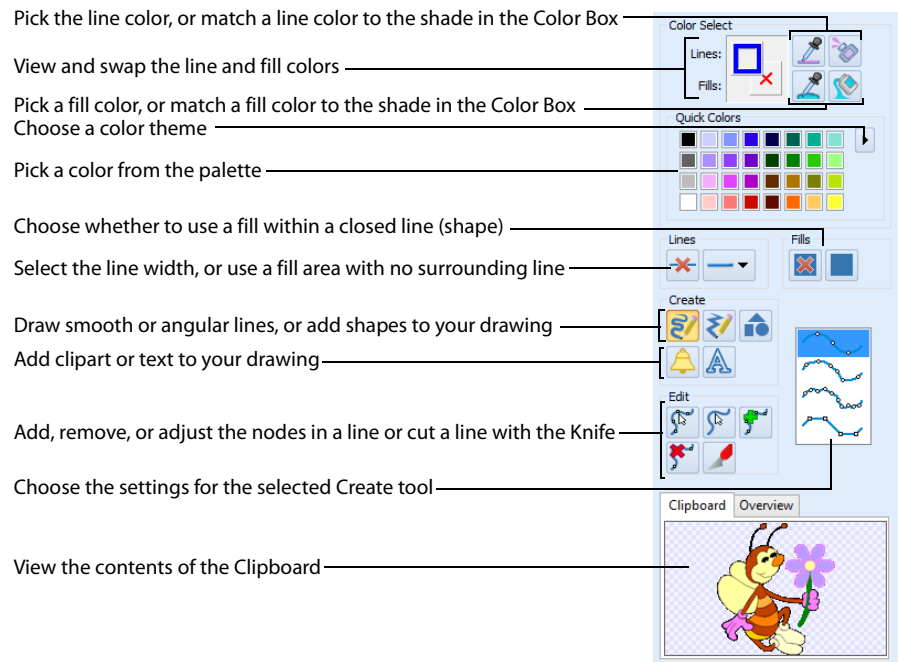
# 6

A full range of drawing functions is available for vector graphics files (easily resizable images using lines, curves and shapes). In addition to the standard features, PREMIER+™ 2 Create includes Send To Wizard , which enables you to convert your vector drawing directly into an embroidery (.edo) design.

Use the Draw tab to select, organize and edit your drawing, and to create motifs and machine stitches.



Use the Draw window control panel to select colors, draw lines and fill areas, and add clipart, shapes and letters to your drawing, and to edit its lines and fill areas.



*Lines are converted to running (0.5 or 1mm), triple (2mm), or satin (3mm or above) depending on their width. Filled areas are converted to pattern fill.*

Running stitch and Triple stitch length is 2mm and Satin density is 4 initially. Fill is pattern 3 and density 2. After drawing lines, shapes, MiniPics or Text, use the Encore features (see “Encore” on page 136) and Multiply features (see “Multiply” on page 137) to repeat them in your drawing.

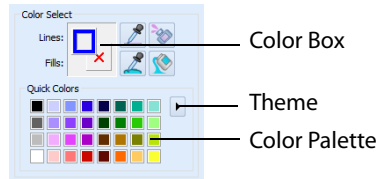
## Choose Drawing Colors

### Color Box and Color Palette



Use the Color box and Color palette to choose the colors for drawing Lines and Fills.

#### Color Box

The Color box at the right of the window displays the currently selected Line and Fill colors. The top color is the Line color and the bottom color is the Fill color.



#### Alter a Color in the Color Box

- Left-click on a color from the Color palette to select it as the Line color.
- Right-click on a color from the Color palette to select it as the Fill color.
- To choose a color that is not in the Color palette, double-click on either of the colors in the Color box to bring up the Colors dialog box. (After a color is chosen, it will be placed as Line or Fill color depending on which color was clicked in the Color box.)
- To select a color from the picture on the screen use the Pick Line Color  or Pick Fill Color  function in the Drawing panel.

#### Color Palette

The Color palette below the Color box provides 32 commonly used colors. Left-click on a color of the palette to place it in the Color box as the Line color. Right-click on a color of the palette to place it in the Color box as the Fill color.

#### Themes

To alter the range of colors in the Color palette, click the Theme drop-down list and select one of the themes: Standard, Spring, Summer, Fall and Winter. The default theme is Standard.


You can select a personal palette by using Edit Themes.

#### Edit Themes

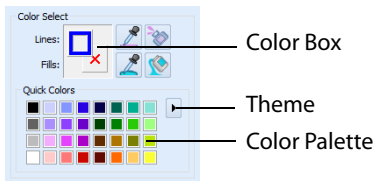
Use Edit Themes to create and select personal color palettes. See “Quick Color Themes” on page 275.

*If you double-click on the Line or Fill color currently in the Color box, the Colors dialog box will open. Any color you select will become the current Line or Fill color, and can be used to change the color of existing lines with Match Line Color or Match Fill Color. However, that color will not be saved as part of your custom selection.*

#### Pick Line Color


Use Pick Line Color  to select a color from the picture on the screen and make it the Line color in the Color box.







This is useful for choosing colors from the picture for drawing that do not appear in the Color palette.


### Shortcut

- Draw Window Control Panel: 

### Pick a Color for Line Color


- 1 Click Pick Line Color . The pointer changes to an eyedropper .
- 2 Left-click the desired color in the picture to make it the Line color in the Color box.

### Match Line Color



Use Match Line Color  to change the color of an existing line.

Match Line Color is enabled until another tool is selected.


### Shortcut

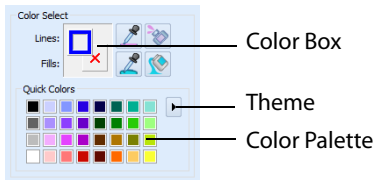
- Draw Window Control Panel, Color Select: 

### Change the Color of an Existing Line


- 1 Use Freehand Draw  to draw a line in the drawing area.
- 2 Select a new color from the Color palette.
- 3 Click the Match Line Color icon .
- 4 Click the line that you drew. It is filled with the new color.  
*To change the color of a selected block of objects, right-click and choose a new color in the Object Properties box.*

## Pick Fill Color

Use Pick Fill Color  to select a color from the picture on the screen and make it the Fill color in the Color box.





This is useful for choosing colors from the picture for drawing that do not appear in the Color palette.

Also use Pick Fill Color  to choose the desired Fill color from the picture before using the selection and draw functions.


### Shortcut

- Draw Window Control Panel: 

### Pick a Color from the Picture for a Fill


- 1 Click Pick Fill Color . The pointer changes to an eyedropper .
- 2 Click the desired color in the picture to make it the Fill color in the Color box.

## Match Fill Color



Use Match Fill Color  to change the color of an existing fill.

Match Fill Color is enabled until another tool is selected.

### Shortcut

- Draw Window Control Panel; Color Select: 

### Change the Color of an Existing Fill

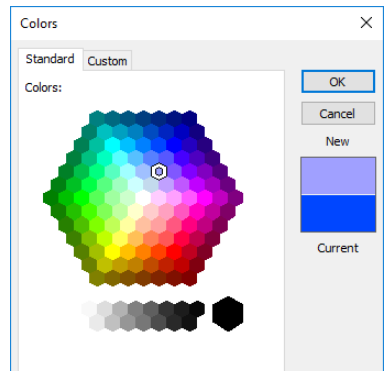
- 1 Select Line and Fill colors.
- 2 In the Create area, click Shapes , then click and drag in the drawing area to draw a shape. The shape is filled with the fill that you chose.
- 3 Right-click a color to select a new fill color from the Quick Colors palette.
- 4 Click the Match Fill Color icon .
- 5 Click the fill area of the shape that you drew. The shape is filled with the new color.

## Colors Dialog Box

The Colors dialog box is used to choose a new color for the Line or Fill color, or modify any color in the Custom theme of the Color palette.

The color selected in the Colors dialog box is set to the Line color if the top color in the Color box was double-clicked to bring it up, or if a color in the Color palette was double-clicked with the left mouse button. It is set to the Fill color if the bottom color in the Color box was double-clicked to bring it up, or if the color in the Color palette was double-clicked with the right mouse button.

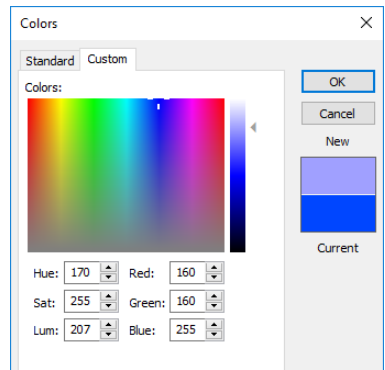
When the Colors dialog box appears, it shows the Standard color selection. If desired, click one of the Standard colors. A highlight shows the selected color. The New/Current box shows the difference between the newly chosen color and the color currently used.



Click the Custom tab to be able to select any of the 16 million RGB colors.

Click in the blended color palette to choose a basic color, then use the slider at the side to choose the desired brightness level. The HSL and RGB values are updated as you change the color and the color is previewed in the New/Current box.

You can also directly enter Hue, Sat(uration), Lum(inance) (HSL) and/or Red, Green, Blue (RGB) values. Alternatively, use the up/down buttons on each of the HSL and RGB value boxes to make fine adjustments to the color.



## Color Models

### Hue, Saturation, Luminance (HSL) Color Model

Hue is the color (red, yellow, green, or blue) for the selected color, expressed as a value between 0 and 239. Saturation (Sat) is the strength or purity of color in a specified hue. This is related to the amount of gray in it and is measured from 0 (completely gray) up to a maximum of 240 (no gray). The higher the saturation, the purer or more vivid the color. Luminosity (Lum) is the intensity of lightness or darkness in a color, specified by a value between 0 (black) and 240 (white). If Saturation is 0, the Luminosity setting specifies a shade of gray.

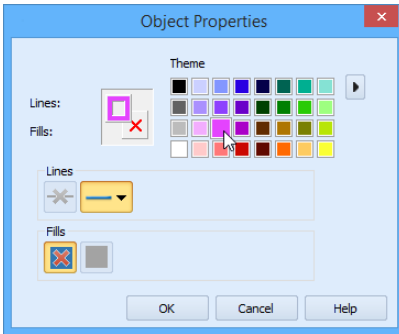
## Red, Green, Blue (RGB) Color Model

The RGB model, one of the Additive Color models, is used on computer monitors. It has three primary colors — red, green, and blue — that it creates by emitting light. These three colors are combined in various proportions to produce all the colors displayed on your screen. They are referred to as additive because they combine to produce white. Primary colors are measured as a value from 0-255. The colors produced by combining the three primaries are a result of the amount of each of those shades present. For example, pure red has a red value of 255, a green value of 0, and a blue value of 0. Yellow has a red value of 255, a green value of 255, and a blue value of 0. If Red, Green and Blue are set to zero, the color is black; if all three are 255, they produce white.

# Object Properties

In the Object Properties dialog box you can change the color and the line and fill type of the selected block of objects.

See “Change Color and Other Properties” on page 126.



## Theme

To alter the range of colors in the Color palette, click the Theme drop-down list and select one of the themes: Standard, Spring, Summer, Fall and Winter. The default theme is Standard.

You can select a personal palette by using Edit Themes. See “Quick Color Themes” on page 275.

## Color Box

The Color box displays the colors that the lines and fills in the currently selected block will be changed to.

- Left-click on a color to place it in the Lines (outline) box.
- Right-click on a color to place it in the Fills (shaded) box.
- Click on the double-headed arrow in the color box to switch the line and fill colors.

## Color Palette

The Color palette beside the Color box provides 32 commonly used colors. Click on a color in the palette to place it in the Color box.

## Lines

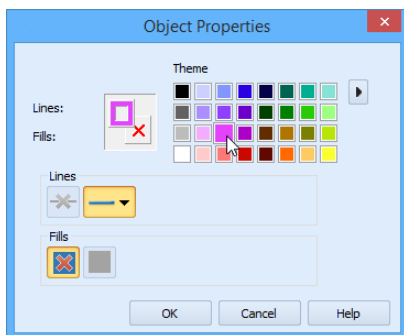
Select from No line or Standard line and choose a line width from the drop-down list. The available widths are 0.5mm and 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10mm.

## Fills

Select from Fill and No fill.

## Using the Object Properties Dialog

- 1 Click to select a block of objects. The block is surrounded by a box.  
*The objects can be a variety of colors.*
- 2 Right-click in the box, and the Object Properties dialog box appears.




- 3 In the Object Properties dialog box select the color you want to use.  
*Use the Theme drop-down list to alter the range of colors.*
- 4 In the Lines section select Line and the width that you want to use.
- 5 In the Fills section select the Fill or No fill.
- 6 Click OK. All of the objects in the block change to your selected color, Line and Fill type.

## Lines and Fills


Select lines and fills from the Lines and Fills sections.

### Lines

#### No Line


Use No Line  to draw a fill area with no surrounding line.

#### Line


Select a Line , and choose a line width from the drop-down list. The available widths are 0.5mm and 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10mm.

### Fills

#### No Fill

Use No Fill  when you do not want a fill within a closed line.


#### Solid Fill

Use a Solid Fill  within any closed line (shape).



# Drawing Lines and Shapes



## Freehand Draw

Use Freehand Draw  to draw a line that follows the movement of the pointer. Adjust the flow of the line with the smoothness options. Freehand Draw is enabled until another tool is selected.

### Shortcut

- Draw Window Control Panel, Create 

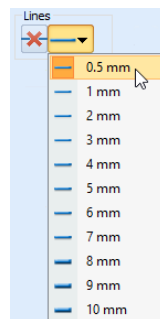
## Draw a Line with Freehand Draw

- 1 Select the desired line color from the Color Select panel. Use Pick Color  if you want to select colors from the picture.  
*To make an enclosed area, also choose a Fill color.*
- 2 Click the Freehand Draw icon .  
*The smoothness options are displayed to the right.*
- 3 Select a line thickness option from the drop-down list in the Lines section.
- 4 Change the line smoothness if desired by clicking on the desired setting in the Smoothness Options box.
- 5 Click and drag across the work area from the desired start point to the desired end point to draw a line. A line appears showing the freehand line as it is drawn.
- 6 Lift the pen or release the mouse button and the freehand line is completed. Each time you drag and release a new freehand line will be drawn, until another feature is selected.



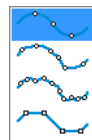
## Line Width Options

Select a line width from the drop-down list in the Lines section. The available widths are 0.5mm and 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10mm. The default width is 0.5mm.



## Smoothness Options

When the line is drawn it is converted into nodes. How smooth the line is will depend on which option is set.



### Very Smooth



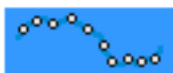
The line is greatly smoothed, with very few nodes.  
This is the default option.

### Smooth



The line is slightly smoothed, with fewer nodes.

### Minimal Smoothing




The line is represented as a series of nodes, with minimal smoothing.

### No Smoothing



The line is angled with straight sections. The nodes are square, not rounded.

# Polygon Draw

Use Polygon Draw  to place points from which a line will be made. Polygon Draw is a good way to draw either a curved line, or one with straight sections.



*The minimum number of points is two (which forms a straight line). Three points form an angled line. The line is smoothed after placing four or more points. Hold down Ctrl to place straight sections.*

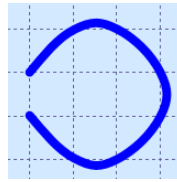
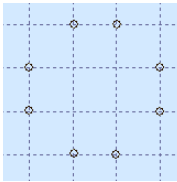
Polygon Draw is enabled until another tool is selected.

## Shortcut

- Draw Window Control Panel, Create: 

## Using Polygon Draw


- 1 Select the desired line color from the Color Select panel. Use Pick Color  if you want to select colors from the picture.  
*To make an enclosed area, also choose a Fill color.*
- 2 Click the Polygon Draw icon .
- 3 Click a series of points on the work area from the desired start point to the desired end point to draw a smoothed line. The points (nodes) are displayed as circles.
- 4 Right-click on the work area to place the line. Each time you click, a point for a new line will be placed until you select another feature.

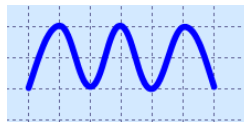
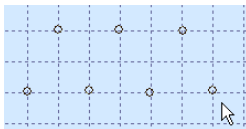


## Straight and Curved Lines

Hold down Ctrl while placing a point to make an angled section. The node will be displayed as a square, and that part of the line will be converted to nodes with no curves.

## Draw Straight and Curved Lines

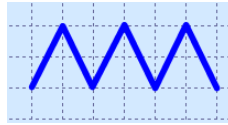
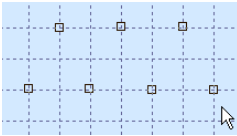
- 1 Select the desired color in the Color palette.
- 2 Click the Polygon Draw icon .
- 3 Click seven points in a zigzag line, following the squares on the drawing area grid.  
*The nodes formed where you clicked are round.*
- 4 Right-click the mouse button to draw the line. A curved line is drawn, using the points that you clicked on the drawing area.




- 5 Hold down the Ctrl key and click seven more points.  
*The nodes are now square.*



- 6 Right-click the mouse button to draw the line. This time the line has straight sections.

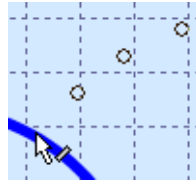


## Snap to Line

When the Snap to Line option is selected, if the mouse pointer is close to an existing line, the pointer will change to a diagonal bar .




Snap to Line option




Snapping to a line

Any points placed while the diagonal bar is displayed will move on top of the old line, and the new line will snap to the old one.



## Snap to Grid

When Snap to Grid  on the Draw tab is selected, any points placed with Polygon Draw will snap to the nearest grid line.

### Shortcuts


- Draw Tab, View: 
- Keys: Ctrl + . ; Alt, D, N

## Joining Lines

You can join lines to any other line, or to themselves, using either Freehand Draw  or Polygon Draw .

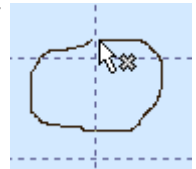
*Use Encore and Multiply to automatically create copies of lines.*

## Closed Lines




If a line is drawn close to its own starting point, then the mouse pointer will change to a cross .

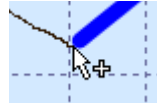
If that line is completed while the pointer is a cross, the line will be closed to form an area that may be filled.

*In Freehand Draw, complete the line by releasing the mouse button. In Polygon Draw, right-click in the drawing area to complete the line.*





## Appending to a Line

When Freehand  or Polygon Draw  is selected, if the pointer is placed close to the end of an existing line, the pointer will change to a plus sign .





If the line is completed while the pointer is a plus sign, then the new line will append itself to the original line, taking on its properties (that is, it will be the same color).

## Appending with Freehand Draw


- 1 Select the desired color and line type.
- 2 Click the Freehand Draw icon .
- 3 Draw a line.
- 4 Select a different color in the Color box.
- 5 Draw a new line going towards one end of the old line.
- 6 When the pointer becomes a plus sign , release the mouse button, or lift the pen from the drawing tablet. The line is now the length of both lines combined, and is the color of the original line.  
*You can close the appended lines to form a shape.*

## Appending with Polygon Draw


- 1 Select the desired color and line type.
- 2 Click the Polygon Draw icon .
- 3 Click a series of points and draw a line.
- 4 Select a different color in the Color box.
- 5 Click more points to create a line going towards one end of your existing line.
- 6 When the pointer becomes a plus sign , place a last point, then press the pen button, or right-click the mouse button. The line is now the length of both lines combined, and is the color of the original line.  
*You can close the appended lines to form an area that may be filled.*

## Drawing Shapes

### Shapes

Use Shapes  to draw shapes in the drawing. The shape will be drawn as a closed line, that may be filled. Select your shape from the drop-down list. Seventy-five different shapes are available.

Shapes is enabled until another tool is selected.

*Hold the Ctrl key down when using Shapes  to keep the original proportions of the shape. For example, use Ctrl to draw a square rather than a rectangle, or a circle instead of an ellipse.*





*If Snap to Grid is used when drawing a shape, the shape will snap to the grid lines.*

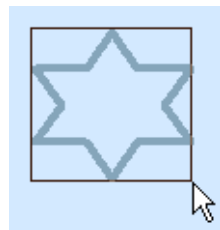
*Use Encore and Multiply to automatically create copies of shapes.*

### Shortcut

- Draw Window Control Panel, Create: 

## Draw a Shape

- 1 Select the desired line and fill colors and types.
- 2 Click the Shapes icon .
- 3 Select the type of shape you wish to draw from the drop-down list in the tool options box.
- 4 Click the option with an "x" in the center to draw a shape starting from the center, or the option with an "x" in the corner to draw a shape starting from the top left corner.  
*By default, shapes are drawn from the center.*
- 5 Click and drag across the work area from the desired start point to the desired end point and the shape appears in the drawing area.  
The dimensions of the box are shown in the status bar. Lift the pen or release the mouse button and the shape appears.
- 6 If the shape needs to be moved, use either Box Select  or Freehand Select  to select the rectangle, and then move the rectangle to the desired position. Alternatively, click Undo  and draw the shape again.



## Shape Options

These options cover the types of shape, and how they are drawn.

*If Snap to Grid is used when drawing a shape, the shape will snap to the grid lines.*

### Shape Type

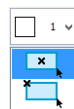
Select one of 75 shape types from a drop-down list.

### Draw from Center


Draw the shape starting from the center. This is the default option.

### Draw from Corner

Draw the shape starting from its top left corner.



## MiniPics

Use MiniPics  to add any of the special small clipart pictures included with your PREMIER+™ 2 Embroidery System. An added MiniPic is automatically selected, ready to be moved or copied.


To see the name of a MiniPic, position the arrow pointer over the desired thumbnail. A label showing the file name will appear.

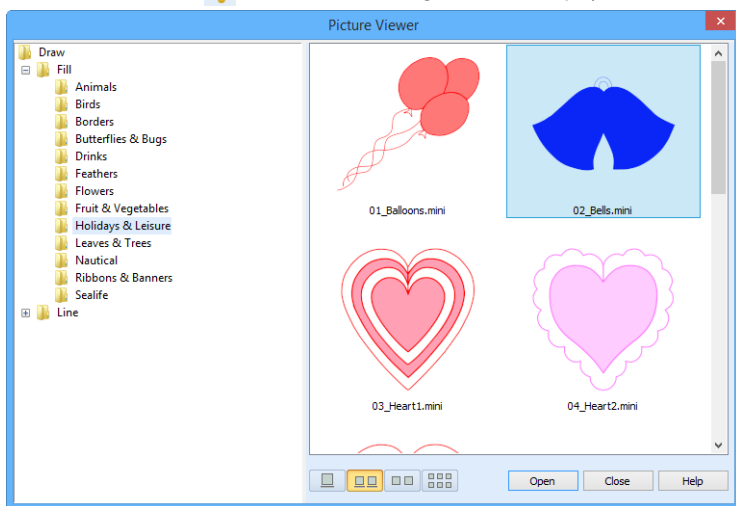
*Use Encore and Multiply to automatically create copies of MiniPics.*

### Shortcut

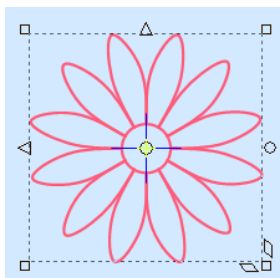
- Draw Window Control Panel, Create: 

## Add a MiniPic to Your Design

- 1 Click the MiniPics icon  and the Viewer dialog box will be displayed.



- 2 To look at MiniPics in a different folder, select a folder in the browse pane on the left. *The browser only looks for MiniPics folders in ProgramData\VSMSoftware\Premier+2\MiniPics\Draw, which is supplied with two subfolders for Fill and Line MiniPics.*
- 3 Scroll down to see more MiniPics, if available.
- 4 Click a thumbnail picture to select a MiniPic, then click the Open button at the bottom of the window. Alternatively, double-click on a thumbnail picture to load the MiniPic onto the screen. The MiniPic is placed in the picture with a selection box around it.
- 5 Click and drag the newly placed MiniPic to the required position on your picture. You can also resize the MiniPic, and flip it or rotate it. You may need to move the Viewer dialog box out of the way to position the MiniPic where you want it (click and drag the Viewer dialog box using its title bar).
- 6 Use the scroll bar on the right to display all the MiniPics in the folder, and click a picture to choose a new MiniPic.
- 7 Continue adding MiniPics as required. When you select the next MiniPic, the previous MiniPic is deselected. *Each MiniPic for the Draw Window is inserted as a group, so it can be separately selected later.*
- 8 Click Close to finish adding MiniPics.



## Creating MiniPics

In addition to using the MiniPics supplied with your PREMIER+™ 2 Embroidery System, you may also create your own MiniPics.

### Before Starting

To create your own MiniPics it is recommended to have good knowledge of working with graphic files.

## About MiniPics

To be available to the MiniPics function in the Draw window, your MiniPics must be saved within ProgramData\VSMSoftware\Premier+2\MiniPics\Draw. It is recommended that you create a new folder for saving your own MinPics, such as ProgramData\VSMSoftware\Premier+2\MiniPics\Draw\MyMiniPics.

## How To Create a New MiniPic

### Use an Existing Picture

- 1 Start a new picture, or open an existing picture. Resize the picture to an appropriate size for a MiniPic (they load at about 70mm in height), and delete any undesired sections.


### Finalize and Save the New MiniPic

- 2 Save the file in .4qb format.


### Change the File Extension

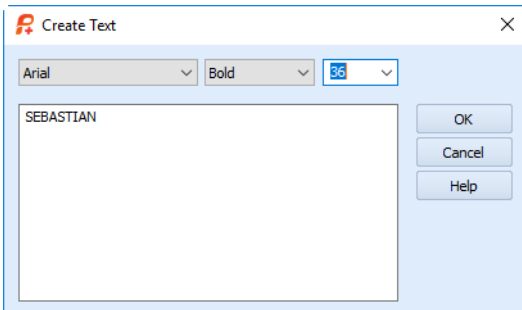
- 3 Start Windows® Explorer and browse to the folder where you saved the ".4qb" file.  
*If the .4qb file extension is not shown, you will need to allow file extension to be shown. Select either Tools, Folder Options or Organize, Folder and Search Options. The Folder Options will appear. Click the View tab. In the list of options, click 'Hide extensions for known file types' so that it is not selected. Click OK and the .4qb extension will be shown.*
- 4 Right-click on the file to bring up a context menu, and select the Rename option from the menu.
- 5 Edit the file name to change the extension from ".4qb" to ".mini" and press Enter.  
*You will be warned about changing the file extension and asked if you want to continue.*
- 6 Click Yes and the change to the file extension will be applied.
- 7 Copy the MiniPic to your MiniPics folder, for example:  
ProgramData\VSMSoftware\Premier+2\MiniPics\Draw\MyMiniPics


### Use the MiniPic

- 8 Start PREMIER+™ 2 Create and click the MiniPics icon  so that the MiniPics Viewer appears.
- 9 Browse to the folder where you saved your new MiniPic.
- 10 The viewer will show your new MiniPic, along with any MiniPics you have already created.
- 11 Double-click the MiniPic and it will be used in the picture.

## Text

Use Text  to add text to your picture in any TrueType® or Open Type® font available on your computer. Text is drawn using the selected line and fill colors. Choose from Regular, Bold, Italic or Bold Italic styles, and adjust the font size in points.







Enter the desired text and click OK. The text then appears on the picture, to the right of where the pointer was clicked after selecting the Create Text icon . Right-click to finish creating text. The text is placed on the picture in a highlighted box that may be moved, resized or rotated. Create multi-line monograms by pressing ENTER while typing in the Text box.

## Shortcut

- Draw Window Control Panel, Create: 

## Add Text to Your Drawing







- 1 Select the desired colors for line and fill in the Color panel. Use Pick Line Color  or Pick Fill Color  if you want to select colors from the picture.
- 2 Click the Text icon .
- 3 Click on the work area where you wish the lettering to start and the Create Text dialog box appears.
- 4 Click the drop-down arrow for the Font and select the desired TrueType® Font installed on your computer.
- 5 Click the drop-down arrow for Style and choose Regular, Bold, Italic or Bold Italic.
- 6 Set the size in points by typing in a number, or click on the drop-down arrow and choose a point size.
- 7 Click in the Text box and the arrow cursor becomes an I-bar. Type the desired text. Press Enter to create a new line and type more text. When you have typed all the required text, click OK.
- 8 The text appears in a highlighted box to the right of where you clicked after selecting the Text icon .

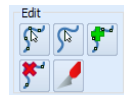


- 9 Right-click to deselect the Text function. The selection box has handles to adjust it.
- 10 If desired, use the resize handles to make the text bigger or smaller. Hold down Ctrl to resize proportionally, and Shift to resize from the center. Use the rotate handle to rotate the text to any degree.
- 11 Click anywhere outside the box to deselect.  
*Use Encore and Multiply to automatically create copies of the text.*


## Editing Tools

The editing tools are found in the Edit section of the Drawing Panel, and on the Edit tab.

The editing tools are Edit Nodes , Edit Line , Add Nodes , Delete Nodes , Knife  and Combine Paths .



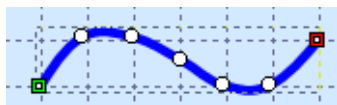
## Editing Individual Lines

In the Draw window of PREMIER+™ 2 Create, all drawings are made up of lines or groups of lines (objects), and each line is defined by a series of points (nodes). You can select any individual line and change it by adjusting, adding or deleting nodes. You can also cut lines and groups of lines with the Knife .

*Use the Zoom Bar to zoom in close enough to see the separate nodes clearly.*

Node types vary according to their position in the line, and the form of the line.

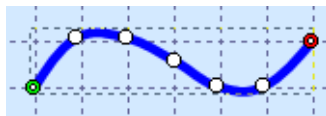
*When a line is first drawn in Freehand Draw, the end nodes are square. Those of a Polygon Draw line are round, unless Ctrl was used.*



### Round Nodes

Round nodes indicate a curved line.

The nodes at each end of a curved line are a circle within a circle, while those in the middle are an empty circle.

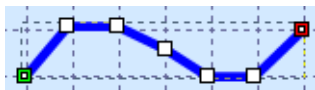


*You can change a round node to a square node by holding down Ctrl and clicking the node. To change it back, release Ctrl, and click the node again.*

### Square Nodes

Square nodes indicate a straight line with angled sections.

The nodes at each end of an angled line are a square within a square, while those in the middle are empty squares.




*You can change a square node to a round node by clicking it. To change it back, hold down Ctrl and click it again.*

### Start and End Nodes

Start and end nodes are a circle within a circle, or a square within a square. The start node is green, and the end node is red.

*Use Reverse Path to reverse the start and end points of the selected line.*

# Edit Nodes


Use Edit Nodes  to change the position of the nodes on the currently selected line. Edit Nodes is enabled until another tool is selected, or you right-click to deselect.

*If you edit the nodes of a filled object, the fill will adjust to the new shape.*

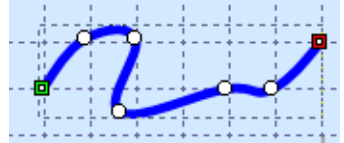
## Shortcut

- Draw Window Control Panel, Edit: 

## Editing the Nodes in a Line



- 1 Click the Edit Nodes icon .
- 2 Click the line that you want to edit. Its nodes will be displayed.
- 3 Click and drag a node to change the shape of the line. Lift the pen or release the mouse button to place the node in its new position. The edit node tool is active until another feature is selected, or you right-click to deselect.

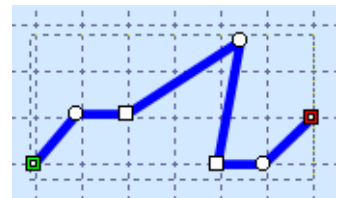
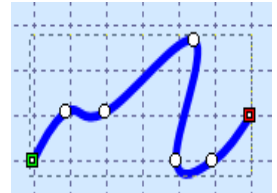
*Hold down Ctrl when moving a square node, or it will change to a round node.*




Moving a round node affects the two sections of line to either side of that node. This ensures line smoothness.

## Reshaping a Curved Line

- 1 Use Freehand Draw  to draw a curved line.
- 2 Click the Edit Nodes icon .
- 3 Click the line you just drew. The line is defined by a series of round nodes, and finishes with a square node at either end. It is surrounded by a box.
- 4 Click and drag one of the nodes in the middle of the line.
- 5 Move the node around freely. You will see the line flex not only up to the adjoining node, but to the next node on either side. (The line beyond the second node is unaffected.)  
*If you touch the side of the box, the box edge will move so that the line is still surrounded by the box.*
- 6 Release the mouse button. The line takes on the new shape.
- 7 Hold down Ctrl and click the nodes to either side of the node you were moving. They become square.
- 8 Move the node around again. This time the line to the far side of the square nodes will not flex.






## Snap to Line


Snap to Line is available as an option for Edit Nodes. When selected, if the mouse pointer is close to an existing line, the pointer will change to a diagonal bar . By default Snap to Line is turned off.

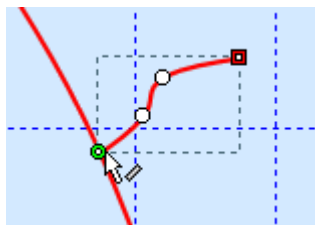


## Using Snap to Line

- 1 Use Freehand Draw  to draw two separate curved lines.
- 2 Click the Edit Nodes icon .
- 3 Select the Snap to Line option .



- 4 Click one of the lines you just drew.
- 5 Click and drag one of the end nodes towards the middle of the other line. As it nears the line, the pointer changes to a diagonal bar .
- 6 Release the mouse button or lift the pen. The two lines are neatly joined.
- 7 Click one of the round nodes in the middle of the line. Drag the node towards and over the other line. Note how the pointer changes as you pass over the other line.






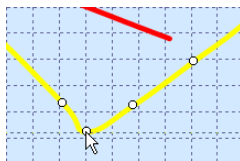
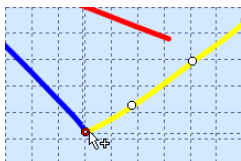
## Appending and Closing Lines

You can append one line to another by joining two end nodes. The line that is joined to will take on the characteristics of the line that does the joining. Closed lines or areas may be filled. See “Joining Lines” on page 109.

*You cannot append lines in Multiply mode.*

### Append One Line to Another

- 1 Select the desired color in the Color palette for your first line.
- 2 Use Freehand Draw  to draw a line.
- 3 Select a different color and draw another line.
- 4 Use a third color to draw a third line.
- 5 Click the Edit Nodes icon .
- 6 Click the second line.
- 7 Click one of the end nodes of the second line and drag it towards one of the end nodes of the first line. The pointer changes to a plus .
- 8 Release the mouse button or lift the pen. The first line joins the second line and takes on its color.



*You can also use end nodes to join a line to itself to make a closed line.*

## Delete Nodes

Use Delete Nodes  to remove the currently selected node.

If a middle node is deleted, the line will be redrawn to follow the path between the nodes that are left.

If an end node is deleted from an open line, the line will be shortened and the next node in the line will become the end node.


If the joining node (end node) of a closed line is deleted, the section of line until the next node will be removed, and the line will no longer be closed. Any fill will be removed.

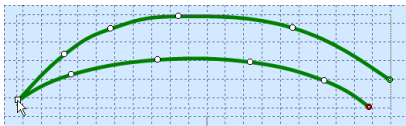
Delete Nodes is enabled until another tool is selected, or you right-click to deselect.

### Shortcut

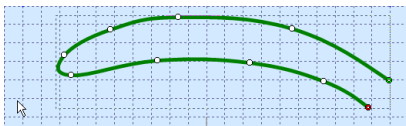
- Draw Window Control Panel, Edit: 

## Delete a Node

- 1 Click the Delete Nodes icon .
- 2 Click the line that you want to edit. The nodes will be displayed.




- 3 Click each individual node that you want to delete.



- 4 The line will be reshaped. The Delete Nodes tool is active until another feature is selected, or you right-click to deselect.

## Add Nodes



Use Add Nodes  to add a node to the currently selected line.

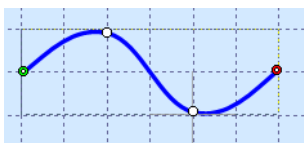
Add Nodes is enabled until another tool is selected, or you right-click to deselect.

### Shortcut

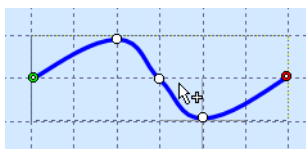
- Draw Window Control Panel, Edit: 

## Add a Node to a Line

- 1 Click the Add Nodes icon . The pointer changes to the add nodes pointer .
- 2 Click the line that you want to edit. The nodes will be displayed.
- 3 Click the place on the line where you want to add a node.




Click the line to display the nodes



Click to add a node

The line will be reshaped accordingly. The Add Nodes tool is active until another feature is selected, or you right-click to deselect.

## Edit Line


Use Edit Line  to change the shape of the currently selected line. Edit Line enables you to concentrate on the flow of the whole line, rather than changing the position of individual nodes. Where necessary, PREMIER+™ 2 Create will add nodes to your line.

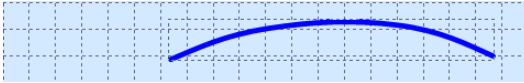
Edit Line is enabled until another tool is selected, or you right-click to deselect.

### Shortcut

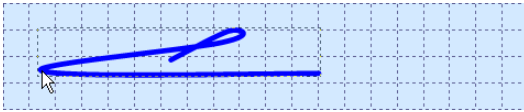
- Draw Window Control Panel, Edit: 

## Edit a Line

- 1 Click the Edit Line icon .
- 2 Click the line that you want to edit. It will be surrounded by a box.




- 3 Click and drag the line to change its shape.



The Edit Line tool is active until another feature is selected, or you right-click to deselect.

*You can close lines when using Edit Line, but you cannot append (join) them.*


## Knife

Use the Knife tool  to cut the currently selected line, shape or group (object) into two parts.

One part is automatically selected.

The Knife is deselected automatically after use.



*Any filled shapes will be converted into lines when cut with the Knife. As the cut lines will still have a fill type assigned to them, the fill will be displayed again if those lines are joined to make another shape, or a different shape.*

*If a filled shape has been created using Combine Paths , the Knife tool will not work unless you first use Uncombine Paths on the Combine Paths drop-down menu.*

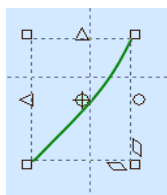
### Shortcut

- Draw Window Control Panel, Edit: 

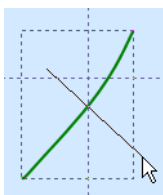
## Cut a Line with the Knife

- 1 Draw a sloping line.
- 2 Click Box Select , then click the line that you just drew to ensure it is selected. The line is now surrounded by a box.
- 3 Click the Knife Tool icon .
- 4 Click to one side of the line that you drew, then click again on the other side of the line. A straight line representing the path of the cut is displayed.

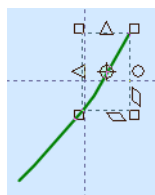
- 5 Right-click to cut diagonally across the line with the Knife. The line is divided in two, and one section is selected.




Select the line



Draw the cut line





Right-click to cut

The Knife can also be used to cut groups. Load a MiniPic , then cut it with the Knife. It will now be displayed as two groups that can be moved separately.

*Use the Knife Tool to remove an unwanted section of a drawing, then append the remaining lines to make a single line.*

## Selecting Objects

When one of the editing tools is being used, the currently active line or area is surrounded by a box. If that box is selected, the line or area can be moved, resized, mirrored, rotated and skewed. The selection tools can also be used to select and manipulate several individual objects at once, or several objects forming a Group.


*When an editing tool is in use, you can select more than one object by holding down Ctrl and clicking the desired objects in the FilmStrip. See "FilmStrip" on page 132. You can also select a sequence of objects in the FilmStrip with Shift. See "Select Objects in the FilmStrip" on page 133. To change the selection of objects on the work area, use Add to Selection  and Remove from Selection . See "Add To Selection" on page 124 and "Remove From Selection" on page 124.*

## Select a Block of Objects

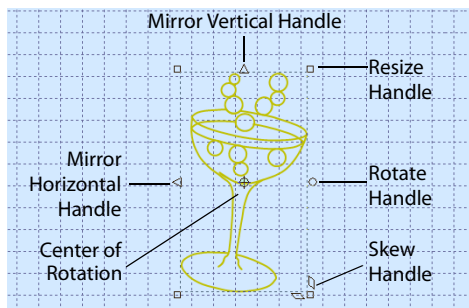
The select functions allow you to select a block of lines or areas. A selected block of objects can be resized, rotated, skewed, mirrored, moved, copied, cut and deleted.





*When making a selection, only objects that are completely enclosed by the selection line will be included in the selection.*

When a block has been selected, it has a selection box around it on the work area. The selection box has handles which are used to resize, rotate, skew and mirror the block.

- Click and drag inside the block to move it, or use the arrow keys on the keyboard to nudge the block by small amounts.
- Click and drag the square corner handles  to resize the block.

Hold down Ctrl as you click and drag to resize proportionally. Hold down Shift to resize from the center.




- Click and drag the trapezoidal bottom right corner handles  to skew the block.
- Click and drag the round rotate handle  to rotate the block freely.
- Click and drag the center of rotation  to rotate around a different point.
- Click the triangular handles  to mirror the block horizontally or vertically.
- Right-click the block to change the properties of the lines and fills within it. The Object Properties dialog will appear.

See “Object Properties” on page 105.

*If the block is smaller than 1.5mm high or wide, the selection box will just be a plain rectangle with no handles.*



## Inserting or Pasting a Block

When a new selection is added to a design by paste or one of the insert functions, it is automatically selected as the current block and Box Select  is activated.



## Deselecting a Block

Click the drawing area outside a block to deselect it. The selection box around the block will disappear. Right-click to deselect a block and also turn off the current select function.

## Box Select

With Box Select , click and drag to draw a rectangle around the area you want to select. Alternatively, click on a line or group to select it. The four-headed arrow Move pointer  appears as you approach an object. Click and drag around the area you want to select. When you release the mouse button, the selection box will show you the extent of the block. Click outside the block to make a new selection using this method. Only objects that are completely enclosed by the selection line will be selected.


Box Select is enabled until another tool is activated.

*Use Add to Selection  with any select function to increase the area of selected objects, or use Remove From Selection  to make the currently selected area smaller.*


Box Select is also activated automatically when a block is pasted.

*If the wrong area is selected, click in the active window, but outside the box, to deselect.*




## Shortcuts

- Draw Tab, Select; Status Bar: 
- Keys: Alt, D, SB



## Select Objects with Box Select

- 1 Click the Box Select icon .
- 2 Click and drag to draw a rectangle around the required objects.
- 3 Lift the pen or release the mouse button when the required objects are enclosed. They will become the current selection, indicated by a rectangle with hollow handles.
- 4 If you want to make a new selection, click outside the current selection to deselect it. Then draw a new box around the required objects.
- 5 Box Select is enabled until another tool is activated.

## Freehand Select

With Freehand Select , click and drag to draw an irregular outline around the desired area. Alternatively, click on a line or group to select it. The four-headed arrow Move pointer  appears as you approach an object. Click Freehand Select and the pointer changes to the freehand select pointer . Click and drag to draw an irregular outline around the desired area. When you release the mouse the area is closed automatically with a straight line between the last mouse position and the start position. The selection box will show you the extent of the block. Click outside the block to make a new selection using this method. Only objects that are completely enclosed by the selection line will be selected.


Freehand Select is enabled until another tool is activated. Right-click to deselect.

*Use Add to Selection  with any select function to increase the area of selected objects, or use Remove From Selection  to make the currently selected area smaller.*


Freehand Select is useful when an area cannot be easily selected by using the simpler Box Select function.

*If the wrong area is selected, click in the active window, but outside the box, to deselect.*




### Shortcuts

- Draw Tab, Select; Status Bar: 
- Keys: Alt, D, SF



## Select Objects with Freehand Select

- 1 Click the Freehand Select icon .
- 2 Click and drag to draw a line around the required objects. The objects inside the line will become the current selection, indicated by a rectangle with hollow handles.
- 3 The line is closed automatically in a straight line between your start point and end point. If you are not close enough to your start point then you could leave out some desired objects by accident.
- 4 If you want to make a new selection, click outside the current selection to deselect it. Then draw a new line around the required objects.
- 5 Freehand Select is enabled until another tool is activated, or you right-click to deselect.

## Freehand Point Select


With Freehand Point Select , click a series of points to create an irregular outline of straight or curved lines around the desired area. Click Freehand Point Select and the pointer changes to the Freehand point select pointer . Click a series of points to create an irregular outline of straight or curved lines around the desired area, using Ctrl+click to place a square (straight line) point. Click and drag  to reposition an existing point. Click Delete to remove the last-placed point. Right-click when the area is complete. The selection box will show you the extent of the block. Freehand Point Select may be easier to use than Freehand Select for precise selections. Click to deselect. Only objects that are completely enclosed by the selection line will be selected.

Freehand Point Select is enabled until another tool is activated. Right-click to deselect.





*Use Add to Selection  with any select function to increase the area of selected objects, or use Remove From Selection  to make the currently selected area smaller.*

If the wrong area is selected, click in the active window, but outside the box, to deselect.


## Shortcuts

- Draw Tab, Select; Status Bar: 
- Keys: Alt, D, SP


## Select Objects with Freehand Point Select

- 1 Click Freehand Point Select . The pointer changes to the Freehand Point pointer .
- 2 Click to place the first point for the selection. A yellow square node appears.
- 3 Click to place a series of points around the desired area.  
*As you click the third point on the line, the line becomes closed (it becomes a loop). As you place more points the line adjusts itself.*  
*The line may 'swing' while you place points. Just carry on, you can adjust it afterwards.*
- 4 Use Ctrl+click to place square nodes for straight lines.
- 5 Move the pointer over one of the nodes on the line. The pointer changes to the Move Node pointer . Adjust the node as desired.  
*When the Move Node pointer is active you can adjust existing nodes.*  
*If you click while the Freehand Point pointer  is active, another point will be added to the line.*
- 6 When your line is as desired, right-click to surround the area with a selection box.
- 7 Right-click to deselect Freehand Point Select.


## Select All

Select All  is a one click function that selects all visible objects in the drawing. This is useful to resize or reshape the entire drawing.


## Shortcuts

- Draw Tab, Select; Status Bar: 
- Keys: Ctrl + A; Alt, D, SA

## Select None

Use Select None  to deselect all of the objects in the drawing.




## Shortcuts

- Draw Tab, Select; Status Bar: 
- Keys: Alt, D, SN


## Replace Selection

Use Replace Selection  to replace the currently selected area with the new selection.

## Replace a Selection

- 1 Place several objects on the work area.
- 2 Use Box Select  (or another selection tool) to select some of these objects.
- 3 Ensure that Replace Selection  is selected.  
*Replace Selection is initially selected.*
- 4 Using Box Select , select some different objects.  
*The new selection replaces your old selection.*




## Shortcuts

- Draw Tab, Select: 
- Keys: Alt, D, SR


## Add To Selection

Use Add to Selection  to add the new selection to the currently selected area.


### Add Objects to a Selection

- 1 Place several objects on the work area.
- 2 Use Box Select  (or another selection tool) to select some of these objects.
- 3 Click Add to Selection .
- 4 Using Box Select , select some different objects.  
*The new selection is added to your old selection.*




## Shortcuts

- Draw Tab, Select: 
- Keys: Alt, D, ST


## Remove From Selection

Use Remove from Selection  to remove the new selection from the currently selected area.

### Remove Objects from a Selection

- 1 Place several objects on the work area.
- 2 Use Box Select  (or another selection tool) to select some of these objects.
- 3 Click Remove from Selection .
- 4 Using Box Select , select some of the objects within your selection.  
*The new selection is removed from your original selection.*

## Shortcuts


- Draw Tab, Select: 
- Keys: Alt, D, SM

## Modify a Block of Objects


### Move a Block of Objects

Move a selected block using click and drag, or nudge. Click on an object inside the block and drag it to the required position, or use the arrow keys to nudge it into place.

*If Snap to Grid is enabled, the block of objects will snap to the grid when moved.*

*If you accidentally move the center of rotation , simply click and drag it inside the selection box again.*

### How to Move a Block of Objects



- 1 Click on any of the objects inside the selection. The pointer becomes a four-headed arrow . Drag the selection to the required position. The rectangle around the selection will be dragged with the pointer.
- 2 Lift the pen or release the mouse button to drop the selection in place. The selected objects will be redrawn in their new location.



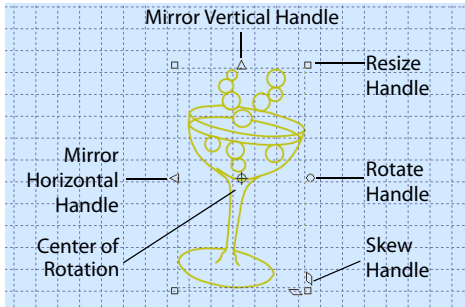
Alternatively, use the arrow keys to nudge the selection into position, then click outside the block to place it.

When you move a selection, you may sometimes move the center of rotation by accident. Simply release the center of rotation, then click and drag the selection as usual. The center of rotation will snap back to the center of the selection when you drop the selection in its new position.



## Resize a Block of Objects

Click and drag one of the square corner handles  to resize the block. The pointer becomes a double-headed arrow .



Hold down Ctrl as you click and drag to resize proportionally. Hold down Shift to resize from the center.

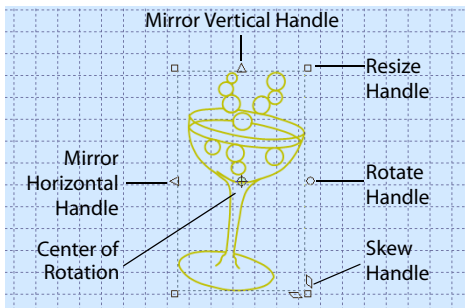


## How to Resize a Block of Objects



- 1 If you want to keep the selected objects in proportion, hold down the Ctrl key.
- 2 Click and drag any of the square  resize handles. The pointer becomes a double-headed arrow .
- 3 Lift the pen or release the mouse button, and then release the Ctrl key if you used that to keep the proportions. The selection will be redrawn at its new size.

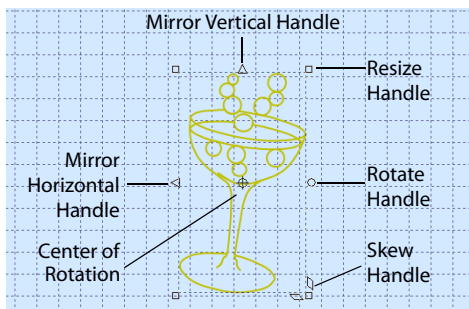
## Skew a Block of Objects

Skew a block of objects vertically or horizontally using the trapezoidal Skew handles  in the bottom right corner of the block selection box. The pointer becomes a double-headed arrow .



## Mirror a Block of Objects

Mirror a block of objects vertically or horizontally using the triangular mirror handles  on the block selection box. The pointer becomes a double-headed arrow .






## Horizontally Mirror Block

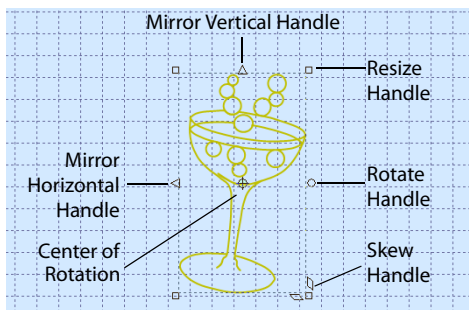
Click the Mirror Horizontal handle  to mirror a block horizontally.

## Vertically Mirror Block

Click the Mirror Vertical handle  to mirror a block vertically.


## Rotate a Block of Objects

Click and drag the rotation handle  to rotate the block freely to any angle. The pointer becomes the rotate pointer . If desired, move the center of rotation  before rotating the block.



The selection box around the block is rotated around the center of rotation. The block will be redrawn in its new position.

## Move the Center of Rotation

The center of rotation  is initially shown in the middle of the block. Click on or within the center of rotation, then drag it to any position in the drawing. This changes the pivot point around which the block rotates.

*When the block is moved, resized or skewed, the center of rotation is returned to the center of the block.*

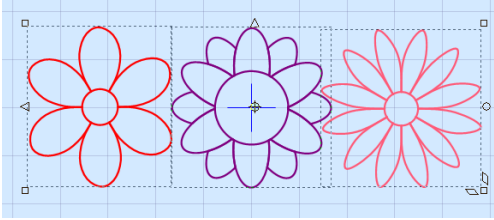
## Change Color and Other Properties

Once objects have been selected, the line and fill color and other properties of the selected block can be changed.

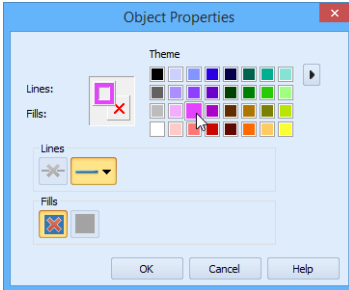
Select a block and right-click it to change its properties in the Object Properties dialog.

## Change the Color of a Block

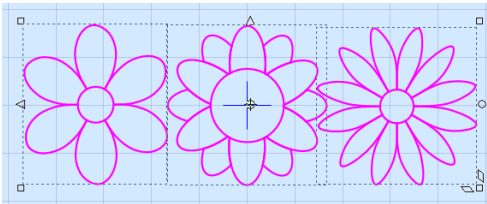
- 1 Select a block of objects of varying colors.





- 2 Right-click inside your selected block. The Object Properties dialog will be displayed.




- 3 To select a new line color from the palette, left-click on the color.  
*To select a new fill color from the palette, right click on the color.*
- 4 Click OK to apply the new color to your selected block.




## Rotate 90°

Use Rotate 90°  to rotate all selected objects in a block around the Center of Rotation .

### Shortcuts


- Draw Tab, Object: 
- Keys: Alt, D, 9

## Delete

Use Delete  to delete a block of objects after it has been selected using one of the block selection methods (Box Select, Freehand Select, Freehand Point Select or Select All). Alternatively, use the Delete key.

*This function differs from Cut because it does not place the objects on the Clipboard Block. Therefore objects that have been Deleted cannot be pasted into another drawing (although Undo can be used if the wrong objects are deleted).*

## Deleting Single Nodes

Use Delete Nodes  to delete single nodes.

See “Delete Nodes” on page 117.

## Shortcuts

- Draw Tab, Clipboard: 
- Keys: Delete; Alt, D, DE

# Alignment Tools

The Alignment tools allow objects to be aligned precisely.


*The Alignment tools are only available when more than one object is selected.*

Select the objects that you want to align, then use one of the alignment tools.

Objects can be aligned horizontally or vertically. They can also be centered.

## Horizontal Alignment

### Align Left

Align Left  aligns all selected objects with the left edge of the object furthest to the left.

#### Shortcut

- Keys: Alt, D, A, H, L


### Align Center

Align Center  centers all selected objects horizontally relative to each other.

#### Shortcut

- Keys: Alt, D, A, H, C


### Align Right

Align Right  aligns all selected objects with the right edge of the object furthest to the right.

#### Shortcut

- Keys: Alt, D, A, H, R

## Distribute Horizontally


Distribute Horizontally  aligns all selected objects to be equally spaced horizontally.

#### Shortcut

- Keys: Alt, D, A, H, D

# Vertical Alignment


## Align Top

Align Top  aligns all selected objects with the top edge of the highest object.

### Shortcut

- Keys: Alt, D, A, V, T


## Align Middle

Align Middle  centers all selected objects vertically relative to each other.

### Shortcut

- Keys: Alt, D, A, V, M


## Align Bottom

Align Bottom  aligns all selected objects with the bottom edge of the lowest object.

### Shortcut

- Keys: Alt, D, A, V, B

## Distribute Vertically

Distribute Vertically  aligns all selected objects to be equally spaced vertically.


### Shortcut

- Keys: Alt, D, A, V, D

## Center In Hoop

Use Center In Hoop  to move the selected objects to the center of the hoop.

### Shortcut


- Draw Tab, Object: 
- Keys: Alt, D, A, C

# Grouping Selected Objects

In the Draw tab of PREMIER+™ 2 Create, you can edit lines or areas individually, in a selected block, or in groups which can remain as a section after saving. You can also place groups in larger groups.

*When a drawing is loaded using Insert, all sections will be grouped together, ready for moving, resizing and so on.*

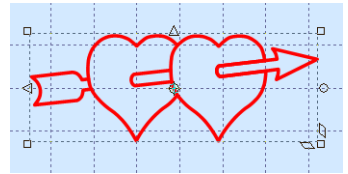
## Group

Use Group  to make a group of all the currently selected objects. Either Group the objects permanently, or Group them temporarily while moving or editing them.


*A group can be modified in the same way as a block. You can move, resize, skew, mirror and rotate it, and change the color of its objects.*

MiniPics 🛩 are made from groups. You can use the FilmStrip to see the objects inside complex group structures such as the MiniPic 06\_Heart3.mini in the Holiday and Leisure section of the Line MiniPics.




Group can only be used in conjunction with one of the selection tools.

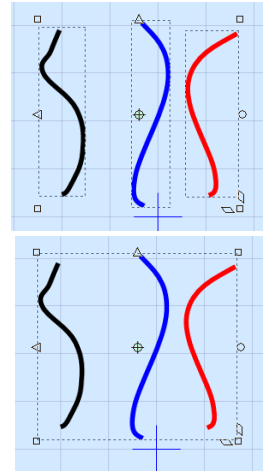


## Shortcuts

- Draw Tab, Object: 
- Keys: Alt, D, G, R




## Group Several Objects

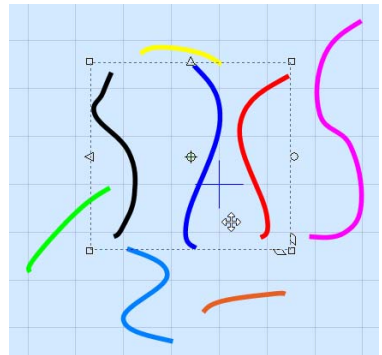
- 1 Use Freehand Draw  to draw several short lines in the drawing area.
- 2 Look at the Group area in the ribbon bar. The tools are currently grayed out (unavailable).
- 3 Use Box Select  to click and drag to draw a rectangle around the lines to select them. The Group tools are now active.  
*Note that each line has a box around it. This shows that it is a separate object, and may also be altered as an individual unit if selected separately. Move, rotate or resize the selected block as a unit if desired.*
- 4 While the lines are selected as a block, in the Group drop-down menu, click Group . The block will be changed into a group.  
*Note that the lines no longer have their own boxes; they are all enclosed in one box.*
- 5 Move, rotate and resize the group as a single unit.
- 6 Click outside the group to deselect it. The Box Select tool is now active again, and Group is grayed out.  
*In the same way that an object partially outside the selection does not become part of a block, only objects fully inside the selection can become part of a group.*




## Highlighting a Group or Line

You can select existing objects in the work area when a selection tool is active.

- 1 Place a mixture of lines and groups in the drawing area.
- 2 Right-click on the work area to deselect the drawing tool.
- 3 Click outside the drawing area to deselect everything.
- 4 Click to select a line. If it is part of a group the whole group will be displayed as a block. If it is not, the line will form a block on its own.
- 5 Move the mouse pointer over the drawing area. As it goes over a selected line the pointer changes from an arrow  to a four-headed arrow .
- 6 To select all objects at once, click Select All .  
*Highlight each group, or individual line, in turn using the Tab key. Alternatively, view the complete structure of your drawing in the FilmStrip.*




# Ungroup

Use Ungroup  in the Group drop-down menu to split the currently selected group into the objects which make it up. These may be lines, filled or unfilled areas, or smaller groups.

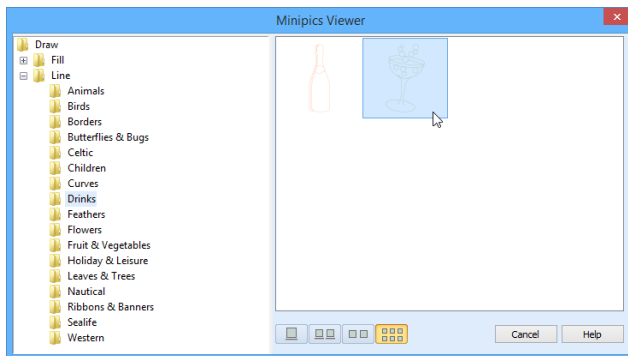
*Ungroup can only be used when a group is selected.*

## Shortcuts

- Draw Tab, Object, Group: 
- Keys: Alt, D, G, U

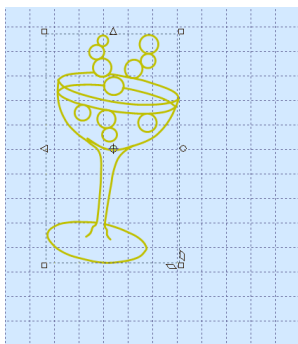
## Ungroup Grouped Objects

- 1 Select MiniPics  and load a MiniPic into the drawing area. Click Close. The MiniPic is displayed as a group in the drawing area. Note that the Group drop-down menu in the ribbon bar is now active.
- 2 Move the MiniPic around the screen. It moves as one unit.
- 3 In the Group drop-down menu, click Ungroup . The group has now become a block.

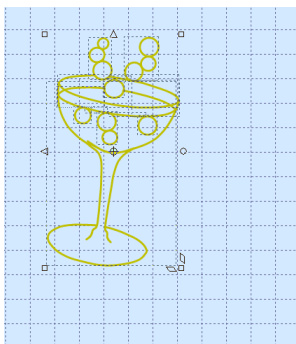


*Note that there are now several objects within the block.*

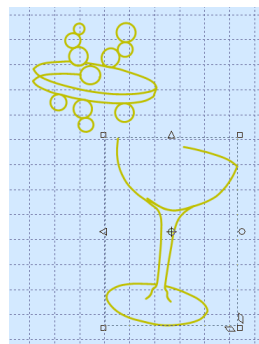
- 4 Move the MiniPic. As it is a block it moves in one piece. While the block is still selected you can reverse the effects of Ungroup by using either Group or Undo.
- 5 Click outside the MiniPic. A box is no longer displayed around the MiniPic.
- 6 Click inside the MiniPic again. This time only a part of the MiniPic is selected. You can move it separately.



A MiniPic is a single Group



When Ungrouped it is a block






Move a part separately


*Use Ungroup followed by Delete, then Group again to remove an unwanted section from a drawing.*

*If a piece of a drawing is accidentally left behind when you move it, use Undo and Group before trying again.*


# Ungroup All

Use Ungroup All  in the Group  drop-down menu to split all the groups within the selected group into their individual lines and areas.

*You can use Undo  to reverse the effects of Ungroup All.*

*Use Select All  and then Ungroup All to Ungroup whole drawings.*

## Shortcuts

- Draw Tab, Object, Group: 
- Keys: Alt, D, G, A

# FilmStrip

Use the FilmStrip to view the structure of objects in your drawing. View your drawing structure by opening its groups. Examine and move the individual lines or fills (paths) and groups within those groups.

## Shortcut

- Keys: Alt, D, VF

## FilmStrip Items

The top, or Root, entry in the FilmStrip shows the whole drawing in miniature. It represents the Group (object) that contains all the other objects in the drawing.



Below the top entry, the FilmStrip shows the sequence of objects within the drawing. The currently selected object is highlighted in the FilmStrip, and objects can be selected directly in the FilmStrip.

Each item in the FilmStrip shows two pieces of information: the object and its type.

## Object

Each object is represented graphically, showing its shape and color. Double-click a group to see the objects within it.

## Object Type

The name of the object type is shown. The types are Group and Path (for Cardinal Path, or line). Paths may be open or closed. Closed paths may be filled or unfilled.


## Scroll Bar

Use the scroll bar to move rapidly up and down the FilmStrip.


## Select Objects in the FilmStrip

To select an object, click it in the FilmStrip. If necessary, use the scroll bar on the side of the FilmStrip to view the object, or double-click to open the Group it is in. When you edit or select a line in the drawing area it is also highlighted in the FilmStrip.

*If you have zoomed in, the selected object may not be shown on the visible part of the drawing area. To see the object, either*

*Zoom To Fit  or use the scroll bars on the edges of the drawing area.*

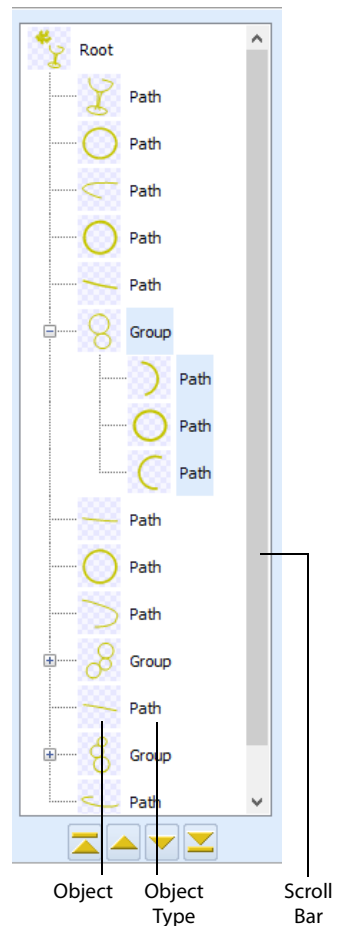
You can also select objects using the keyboard. Click on the FilmStrip, then use the arrow keys to step up and down the list by one object at a time. Use the Page Up and Page Down keys to jump up and down the list one screenful at a time. Use Home to go to the first object and End to go to the last object.

*Open a Group by double-clicking it, or by clicking on the plus sign  to its left.*

To select several objects that are next to each other, hold down the Shift key, and click the start and end object in the sequence.

To select objects that are not next to each other, hold down the Ctrl key and click the desired objects.

*When selecting a mixture of paths and groups with Ctrl + click, if you want to change their properties, select the paths within the groups, not the group headings.*




## Change the Sequence of Objects

Objects and groups of objects may be moved up and down the FilmStrip with the arrow (Layout Order) buttons.

Objects can only be moved within their current group within the FilmStrip. To move an object outside its group, Cut and Paste it. Alternatively, use Ungroup, move the object, and Group the remaining objects again.

*You can move any object in the FilmStrip except the Root (first) entry.*

To delete an object, select it in the FilmStrip and click Delete .


## Layout Order

The Layout Order buttons are used to move objects within the FilmStrip.


### Move Forwards

Move Forwards  brings the object one step down the FilmStrip.


### Move Backwards

Move Backwards  brings the object one step up the FilmStrip.


### Move to Front

Move to Front  places the object at the bottom of the FilmStrip or Group.

### Move to Back

Move to Back  places the object at the top of the FilmStrip or Group.

## Combine Paths


Use Combine Paths  to combine the paths (lines) for the selected objects. This is usually to create a hole in the fill for a shape.

Combine Paths is only enabled when one or more paths (lines, or other objects) is selected.




*The color used by the combined object will be that of the object at the back of the Filmstrip (usually the first created).*


*For best results the inner shape must not overlap the outer shape. Where closed areas overlap, all areas may be filled.*

### Shortcuts

- Draw Tab: 
- Keys: Alt, D, P, C

## Use Combine Paths to Create a Filled Shape with a Hole

- 1 Use Freehand Draw  or Shapes  to draw a mix of lines and filled shapes in the drawing area. *Combine Paths is grayed out (unavailable) while you do this.*
- 2 Use Freehand Draw or Shapes to draw a filled shape completely inside another filled shape (for example, a circle within a circle).
- 3 Use Box Select  to select both shapes as a block. Combine Paths is now available. *Check in the FilmStrip to see that both shapes are selected.*

- 4 Click Combine Paths . The shape within a shape is now a filled area with an unfilled hole in it. *All of the combined lines and fills are now the same colors.*  
*If some of the objects are open paths (lines that are not closed), an error message will be displayed.*  
*Remove the open paths from your selection and try again.*



## Uncombine Paths

Use Uncombine Paths to break apart an object combined with Combine Paths.

### Shortcuts

- Draw Tab, Combine Paths menu
- Keys: Alt, D, P, U


## Uncombine a Combined Object

- 1 Use Box Select  or another selection tool to select an object combined with Combine Paths .
- 2 In the Combine Paths drop-down menu in the Draw tab, click Uncombine Paths. The combined object is split into separate paths, and any holes in fill areas have now gone.  
*The lines and fills remain the same colors that they were when combined.*




## Reverse Path

Use Reverse Path  to reverse the start and end points of the selected line.


### Shortcuts

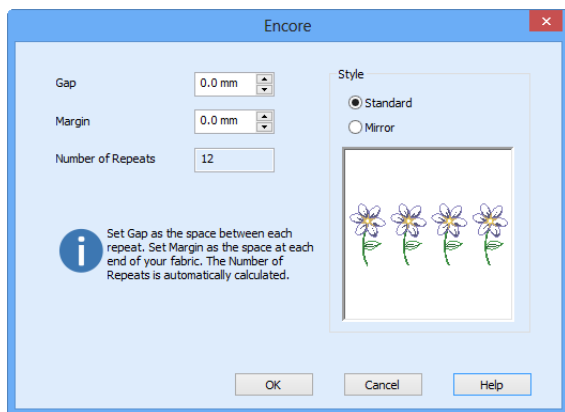
- Draw Tab, Object: 
- Keys: Alt, D, R

## Reverse the Start and End Points in a Line


- 1 Use Freehand Draw  to draw a long curved line in the design area.
- 2 Select Edit Nodes , and click the line you drew to select it.  
*The start point in your line is now colored green, and the end point colored red.*
- 3 In the Draw tab, select Reverse Path . The start and end points in your line will switch places.

# Encore

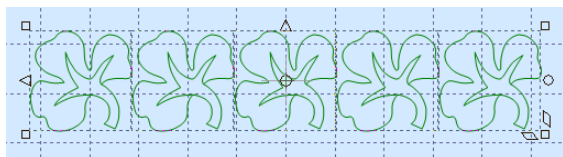
Use the Encore function  to place repeated copies of the selected drawing in a line across the drawing area. The number of copies is calculated automatically to fill the drawing area.





## Shortcuts

- Draw Tab, Object: 
- Keys: Alt, D, E

The drawings are placed in a line from left to right and centered in the drawing area.



To change Encore settings, Undo  your settings then select Encore  again.

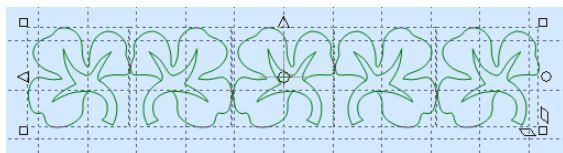
## Style

### Standard

The copies of the drawing are simply duplicated one after another along the line.

### Mirror

Each alternate copy of the drawing is reflected. This generally looks best if the number of Repeats is an even number. Adjust the Gap and Margin to produce an even number of repeats.



## Gap

Use Gap to set the minimum spacing between repeated drawings.

*It is often desirable to adjust the Gap until drawings are touching or very close together, as this will reduce the number of movement stitches while stitching.*

Increase the Gap to move the drawings further apart. Decrease the Gap to move the drawings closer together. Use negative Gap to overlap drawings by up to 50%.

Set the Gap in steps of 0.1mm. The maximum Gap is one third of the width of the current work area. The default Gap is 0.0mm.

## Margin

Use Margin to leave space between the repeated drawings and the edge of the drawing area.


The minimum Margin is zero. The maximum Margin is 1000.00mm.

## Number of Repeats

The total number of copies of the drawing in the line is displayed. Control the number of repeats by adjusting Gap and Margin.

*Generally, the larger the initial drawing, the fewer Repeats will be made.*

## Multiply


Use Multiply  to repeat drawings or edit actions automatically by reflecting across, down or rotating. Symmetrical drawings can be created quickly and easily. All changes in the drawing, such as adding, editing, pasting and removing lines and groups are multiplied.


*You can use the select tools, and Group and Ungroup, while Multiply is active.*

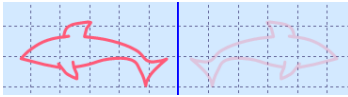
Multiply will either reflect or rotate images. Existing objects will not be affected, even if they are edited, but the selected objects or any new object that is either drawn or pasted in will be reflected or rotated.

*You cannot append lines while in Multiply mode.*

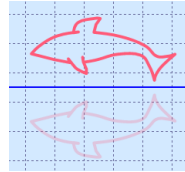
### Shortcuts

- Draw Tab, Object: 
- Keys: Alt, D, Y

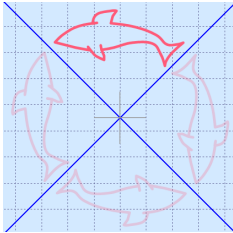
Choose the Reflect and Rotate options provided to repeat actions. The previews in the drawing area show how actions will be repeated according to the current selection. Click Multiply  on the Draw tab to turn Multiply on and off. The blue Multiply reflection lines are shown on the drawing area when setting up Multiply and when it is switched on.



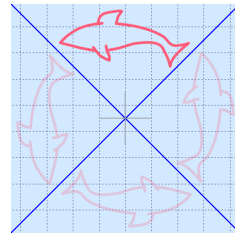
Use Reflect Vertically to reflect across.



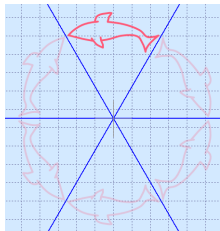
Use Reflect Horizontally to reflect downwards.



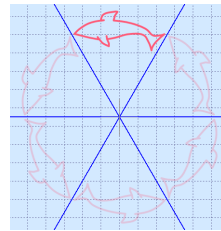
Use Reflect 4-Way to place four paired copies around the Multiply center point.



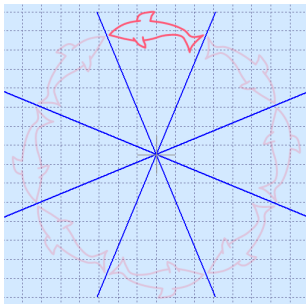
Use Rotate 4-Way to create four rotated copies around the Multiply center point.



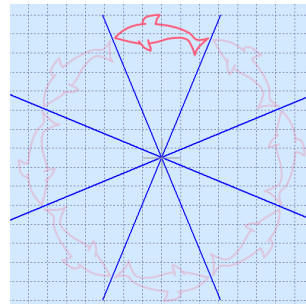
Use Reflect 6-Way to place six paired copies around the Multiply center point.



Use Rotate 6-Way to create six rotated copies around the Multiply center point.











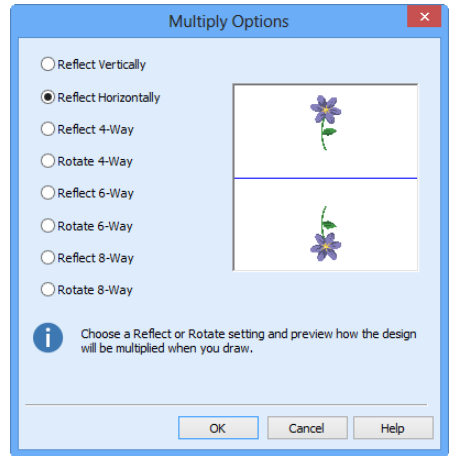
Use Reflect 8-Way to create eight copies. Additional blue lines show the eight segments.



Use Rotate 8-Way to create eight rotated copies around the Multiply center point. Additional blue lines show the eight segments.

## Use Multiply to Create Copies of a Design

- 1 Click Multiply . The Multiply Options dialog box appears.
- 2 Select Reflect Horizontally and click OK. A blue line appears across the middle of the screen.
- 3 Select Freehand Draw  and draw a rough circle in the upper half of the screen. The shape you have drawn is reflected as a faint image below.
- 4 Click Box Select , Freehand Point Select , or Freehand Select .
- 5 Move the pointer over the line that you just drew, and click the line. The arrow pointer  changes to a four-headed arrow  and a box is displayed around the line to show that it has been selected as a block.
- 6 Click and drag one of the square, round or trapezoidal handles on the box. The reflected shape mirrors the movements of the shape above.
- 7 Click Multiply  again. The faint copy is now a separate object in the drawing area.







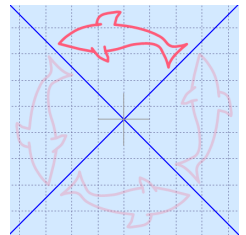
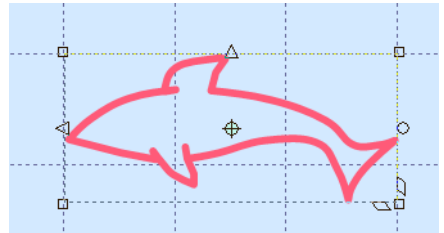
## Rotate Options

The Rotate options display all copies of the object facing in the same direction.

*Only new objects, or objects that were selected when Multiply was started, are affected by Multiply.*

## Use the Multiply Rotate Options

- 1 Start a new work area.
- 2 Select MiniPics  and load a MiniPic into the drawing area. Close the Viewer. *Select one that is not symmetrical. This will display the difference between Reflect and Rotate better.*
- 3 Hold down Ctrl and shrink the MiniPic to about 2 squares across by dragging the square handle in its bottom right corner. *If necessary, choose Box Select , and click on the MiniPic to select it again.*
- 4 Click Multiply . The Multiply Options dialog box appears.
- 5 Select Rotate 4-Way and click OK.
- 6 Move the MiniPic to the top part of the multiplied area. *As you move it you will see three other faint copies of it in the other three sectors of the Multiply area. Note that all four copies face the same way.*
- 7 Click Multiply  again to fix the selection. The rotated copies of the MiniPic will form part of the same block. You can treat this block the same as any other block.

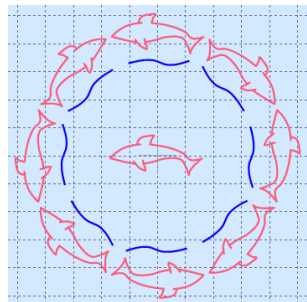
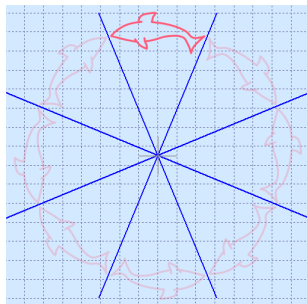


# Reflect Options

The Reflect options display the objects in facing pairs.

## Use the Multiply Reflect Options

- 1 Start a new work area.
- 2 Select MiniPics 🐡 and load a MiniPic into the drawing area. Close the Viewer.  
*Use the same MiniPic as in the previous exercise.*
- 3 Hold down Ctrl and shrink the MiniPic to about 2 squares across by dragging the square handle in its bottom right corner.
- 4 Click Copy 📄 to place the MiniPic in the Clipboard Block.
- 5 Click outside the box surrounding the original MiniPic so that the select box no longer surrounds it.
- 6 Click Multiply ✖. The Multiply Options dialog box appears.
- 7 Select Reflect 8-Way and click OK.
- 8 Click Paste 📄. The copy of the MiniPic will be pasted a short way down and to the right of the original. Move it to the top part of the multiplied area.  
*Note that this time the copies face each other in pairs.*
- 9 Click outside the box surrounding your copy of the MiniPic so that the select box no longer surrounds it.
- 10 Click on the original MiniPic to select it.
- 11 Move it into the center of the Multiply area. Note that it has no copies.
- 12 Select Freehand Draw 🖋 and draw a line below your reflected MiniPic. The line is copied across the Multiply area.  
*Only items that are drawn or pasted while Multiply is active are copied. Moving or changing an existing object will not cause it to be reflected or rotated.*
- 13 Click Multiply ✖ again to fix the copies.





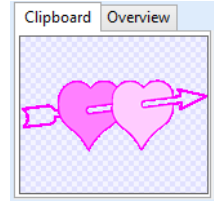
# Cut, Copy and Paste

Once objects have been selected with the selection tools, they can be cut and copied onto the clipboard.


*In the Draw window, only objects that are completely enclosed by the selection line will be selected.*

## Clipboard Block

When objects are copied they are placed on the Clipboard Block (usually called the clipboard). The selection of objects on the clipboard can be pasted as many times as desired within PREMIER+™ 2 Create.




## Cut


Use Cut  to cut the selected part of the drawing to the clipboard, where it can be pasted into the same file or a new drawing.

Cutting to the clipboard replaces the contents previously stored there.

### Shortcuts


- Draw Tab, Clipboard: 
- Keys: Ctrl + X; Alt, D, X

## Copy


Use Copy  to make a copy of the selected part or all of the drawing and place it on the clipboard, where it can be pasted into the same file or a new drawing.

Copying to the clipboard replaces the contents previously stored there.


### Shortcuts

- Draw Tab, Clipboard: 
- Keys: Ctrl + C; Alt, D, C


## Paste

Use Paste  to place part or all of a drawing that has been cut or copied to the clipboard onto the screen. The pasted area appears in a highlighted box, ready to be moved or altered.


### Shortcuts

- Draw Tab, Clipboard: 
- Keys: Ctrl + V; Alt, D, VP

## Duplicate

Use Duplicate  to make a copy of the selected part or all of the drawing, which is automatically pasted on the work area below and to the right of the original.


### Shortcuts

- Draw Tab, Clipboard: 

- Keys: Alt, D, DU

## Undo and Redo


### Undo

Use Undo  to reverse the last action that has been applied to the picture on the screen, such as moving, deleting or mirroring an area, drawing a line, box or ellipse, or an effect that has been applied. Unlimited Undos are possible in the Draw window.


*Only actions that change the picture can be reversed using Undo on the Draw window. For example, the Zoom commands cannot be reversed using Undo.*

*The Undo and Redo steps are reset when a new picture is opened.*

### Shortcuts


- Quick Access Toolbar: 
- Keys: Ctrl + Z; Alt, 7

### Redo

Use Redo  to reverse any actions that have been undone. Redo only works if nothing has happened after the last Undo. For instance, if you draw a line, then Undo and draw a rectangle then it is not possible to Redo the line because something different has happened instead. Unlimited Redos are possible in the Draw window.

*The Undo and Redo steps are reset when a new picture is opened.*

### Shortcuts

- Quick Access Toolbar: 
- Keys: Ctrl + Y; Alt, 8

# Motifs, Machine Stitches and Stamps

# 8

## Using Motifs

A motif is a small element designed so that it will repeat along a line or along multiple lines to fill an area.

Choose any available motif for motif lines, tapered motifs columns and fill areas. The size of motifs can be changed. For motif fill areas, a second motif can be chosen for alternating lines, and the spacing, offset and angle of lines can be changed.


All the system motifs are in the Universal Group. Use My Motifs for motifs that you create.

The default motif is a star, Pattern 5 in the General Motifs 1 category.

Create and modify motifs, and machine stitches for certain machines, using the functions in the Draw window.

## Import and Export Motifs

### Import Motif

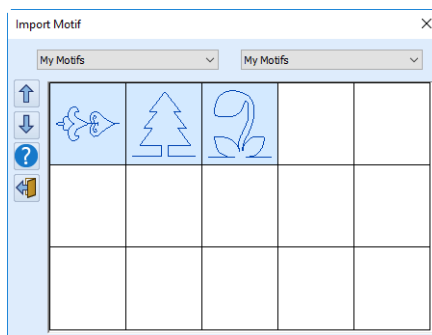
Use Import Motif  to open an existing motif to modify it, or to create a stitch for certain sewing machines.

Use the motif viewer to browse thumbnails of motifs before opening them. PREMIER+™ 2


Create displays the Viewer dialog box.

Choose a Group and a Category to view, then load a motif.



To see the motif number, position the arrow pointer over the desired thumbnail. A label showing the number will appear.




### Shortcuts

- Draw Tab, Motif: 
- Keys: Alt, D, M, I

## Import a Motif

- 1 Click My Motifs, Import Motif and the Viewer dialog box appears.
  - 2 Click on the drop-down menu on the left to select a motif Group (for example Universal or My Motifs)
  - 3 Click on the drop-down menu on the right to select a Category (for example Candlewicking).
  - 4 Click on a motif thumbnail to load it into the PREMIER+™ 2 Create Draw window. The Viewer closes.
- Click the down arrow icon  at the left hand side of the dialog box to see more motifs, if available.
- Click the door icon  at the bottom left of the dialog box to exit without selecting a motif.

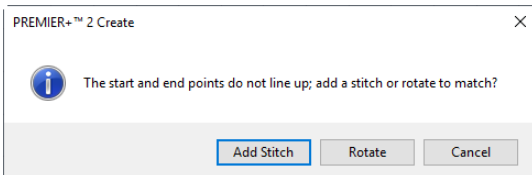
## Export to My Motifs

Use Export to My Motifs  to save the design or selected area on the screen to the My Motifs database. There is no confirmation of this action.

*Only the motif design is saved, not the color.*

*The start and end stitches should always be aligned horizontally, with the start stitch on the left and the end stitch on the right. If the motif is saved with start and end stitches that are not level, or are reversed, the motif is automatically rotated when it is used to make a motif fill area or a motif line. The rotation forces the start and end stitches to be aligned from left to right.*


If the first and last stitches are not aligned horizontally, a message appears to give you the option to add an alignment stitch.




Click Yes to add the alignment stitch and then export the motif to the My Motifs database. Click No to export the motif in its current state. Click Cancel to do nothing, which will give you to the opportunity to align the start and end stitches as required.

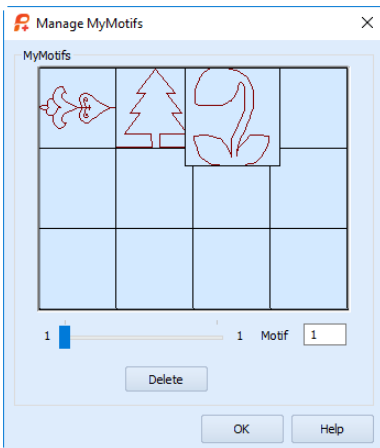
*If the start and end points are the same, for example if a closed line or shape is used, a different message about start and end points will be displayed, and the design will not be exported to My Motifs. Edit the design to give suitable start and end points, then export again.*

### Shortcuts


- Draw Tab, Motif: 
- Keys: Alt, D, M, E

# Manage My Motifs

Use Manage My Motifs  to delete unwanted My Motifs.



## Shortcuts

- Draw Tab, Motif: 
- Keys: Alt, D, M, M

## Delete

To remove an unwanted My Motif, select the desired motif then click Delete. A message will appear to ask for confirmation.

Click OK to remove the motif.

When a My Motif pattern is deleted, this will affect the numbering of all following My Motifs. Any design outline files in PREMIER+™ 2 Create that used that motif, or any of those that followed, will change accordingly.

*If there are more than 12 My Motifs, the number at the right-hand end of the slider bar will show how many pages of My Motifs there are. Use the slider bar to select the required page of My Motifs. if there are no My Motifs, an error message will be displayed before the dialog box is opened.*

## Backing up My Motifs


To backup up My Motifs, use the Backup MySettings feature in PREMIER+™ 2 Configure.

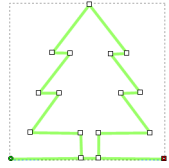
# Creating Motifs


## Creating Motifs

Any drawing can be made into a motif, but for best results use a simple design with a green start point to the left, and a red end point to the right.

*The start and end points should always be aligned horizontally.*

To save the design or selected area on the screen as a motif, use Export to My Motifs .






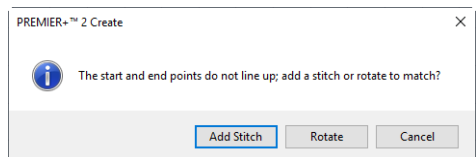
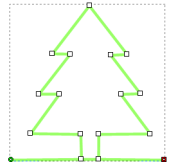
To make a permanent copy of the motifs you create, use Save As Drawing  to save the design as a .4qb design file. This will save the precise position of the nodes that you used, and whether they were for curves or corners.

Create motifs manually, or by tracing an existing design loaded as a background picture.

*When reloading a partially complete drawing to finish creating a motif, use the Open Background Picture feature on the File menu of the Draw window to reload the background.*

## Create a Motif

- 1 In the Draw window, select Polygon Draw .
- 2 Place points, using the Ctrl key to create corner or square points, to draw the outline of a tree from left to right. Right-click to finish the line. Start and finish on the same horizontal line.  
*The start and end stitches should always be aligned horizontally, with the start stitch on the left and the end stitch on the right. If the motif is saved with start and end stitches that are not level, or are reversed, a stitch will be added, or the motif will be automatically rotated when it is used to make a motif fill area or a motif line. The rotation forces the start and end stitches to be aligned from left to right.*
- 3 Click Save As Drawing  and save the motif design as Tree Outline.4qb.
- 4 Ensure that the tree outline is selected.
- 5 Click My Motifs, Export to My Motifs .
- 6 If the first and last stitches are not aligned horizontally, a message appears to give you the option to rotate the motif or add an alignment stitch. Click the desired option and then export the motif to the My Motifs database.  
*If you want to adjust the motif yourself, click Cancel to return to the work area, where you can align the start and end stitches as required.*
- 7 If the start and end points are the same, for example if a closed line or shape is used, a different message about start and end points will be displayed, and the design will not be exported to My Motifs. Edit the design to give suitable start and end points, then use Create Motif from Selection again.



## Design Size

Motifs should be designed at the size they are most likely to be used, as this will match the detail in the motif to the scale at which it is used. If you are likely to use the same motif at different sizes, where one size is at least twice as big as the other, make two versions of the

motif. Decreasing the size of a motif will create too much detail, and increasing the size of a motif will give an apparent loss of detail and smoothness.

The design size of a My Motif in PREMIER+™ 2 Create is the default size it is set to when it is initially selected for use in a motif fill area or a motif line.

## Moving Forward

Motifs are generally used as a chain of motifs in a motif fill area or a motif line. Motifs should be designed from left to right, so that when they are used they are connected in sequence at the start and end points. Generally, the first and last points should be on the left and right of the motif respectively. This is so the motif can be used without it overlapping itself. For some motifs, however, it may be desirable to overlap the motif if it is a shape that can be nested as it repeats.

*Use the Reverse functions on the Edit tab when mirroring sections of the motif.*

## Lining Up the Motif

It is desirable for the first and last stitches to be created on the same horizontal line of the grid. This is so that the motif will be used with the orientation that is shown on the design area. If the first and last stitches are not lined up, the motif will be rotated when it is used so that they do line up from left to right.

## Use of Nodes

Corner (square) nodes will always be stitched. Curved (round) nodes indicate the line to be used, but the program will calculate the number of points (stitches) required to make the curve.

## Test Stitchouts

Always test your motifs on scrap pieces of the fabric you are going to use. Always use stabilizer to help prevent pull on the fabric.

## Connecting Parts of a Design

You can only make a motif from an image that is entirely connected. If there is no direct connection between parts of the design, they cannot be exported as a motif. Add connecting lines to the design in the design area before using Export to My Motifs. Alternatively, delete any unconnected details, leaving an outline.

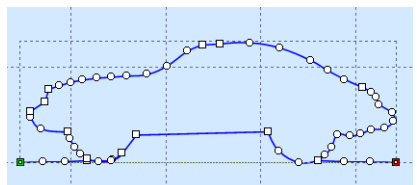
## Lead-in and Lead-out Lines

Add lines that lead in and lead out of your design before exporting.



*To ensure that the motif is created to line up correctly, use the grid.*


The example shows how you might use lead-in and lead-out lines; they have been added to give the illusion that the car is sitting on the road.




Notice that the lead-in and lead-out lines are the furthest left and furthest right parts of the design.



## Simplifying the Design

There may be too much detail in a design. Use Edit Nodes  and Delete Nodes  to remove extra details, and smooth outlines.

Use Edit Nodes  to change the position of the nodes on the currently selected line. Moving a round node affects the two sections of line to either side of that node. This ensures line smoothness. You can append one line to another by joining two end nodes. The line that is joined to will take on the characteristics of the line that does the joining.







Use Delete Nodes  to remove the currently selected node. If a middle node is deleted, the line will be redrawn to follow the path between the nodes that are left. Use Add Nodes  to add a node to the currently selected line. Use Edit Line  to change the shape of the currently selected line.

## Using Your Motifs

The motif that you created will be in the My Motifs Category in Manage My Motifs and in the Fill Area and Line Properties for any type of motif line or fill.


See “Export to My Motifs” on page 144 and “Fill Area and Line Properties” on page 38.

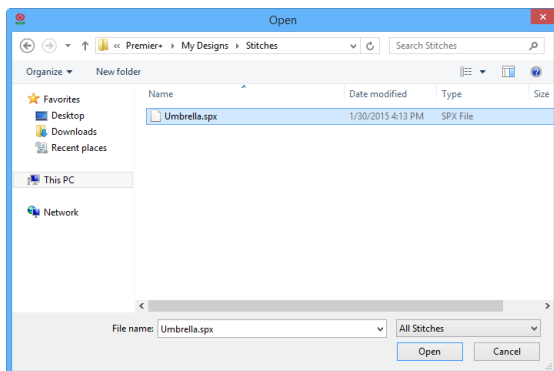
## Use a Motif that you Created

- 1 Select a line or fill area using Motif Line , Motif Fill , Tapered Motifs , Shape Fill , MultiWave Fill  or Curved Crosshatch Fill .
- 2 Right-click the object to open the Fill Area and Line Properties.
- 3 In the Group drop-down list select My Motifs. The My Motifs Category is selected automatically.
- 4 From the Pattern drop-down list select the desired motif.
- 5 Use Height and Width to set the size of your chosen motif.  
*When checking a new motif in Fill Area and Line properties, increase the Vertical Gap to see the individual rows of the motif.*
- 6 Click OK to place the motif in your line or fill.

## Machine Stitches

### Import Machine Stitch

Use Import Machine Stitch  to open an existing stitch to modify it, or to export it as a motif. PREMIER+™ 2 Create displays the Open dialog box so you can choose a machine stitch design file to open. 9mm, Maxi and Spx files may be loaded.





The following options allow you to specify which file to open:

## File Name

Type or select the filename you want to open. This box lists files with the extension you select in the Files of Type box.


## Files of Type

Select the type of file you want to open, .9mm, .max or .spx files.


## Look In

Select the drive or folder containing the file that you want to open.

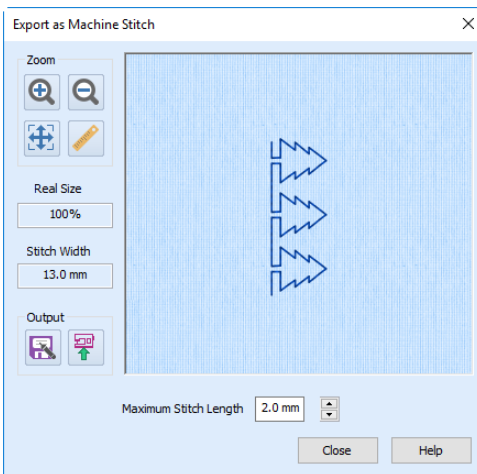
## Shortcuts

- Draw Tab, Motif: 
- Keys: Alt, D, H, I

## Export as Machine Stitch

Use Export as Machine Stitch  to save the drawing or selected area as an .spx machine stitch for certain sewing machines, or send it to the sewing machine. Save and name the design file. PREMIER+™ 2 Create displays the Export as Machine Stitch dialog.

*If the first and last stitches are not aligned, a message appears to give you the option to add an alignment stitch.*




## Maximum Stitch Length

Define a maximum length for the stitch.

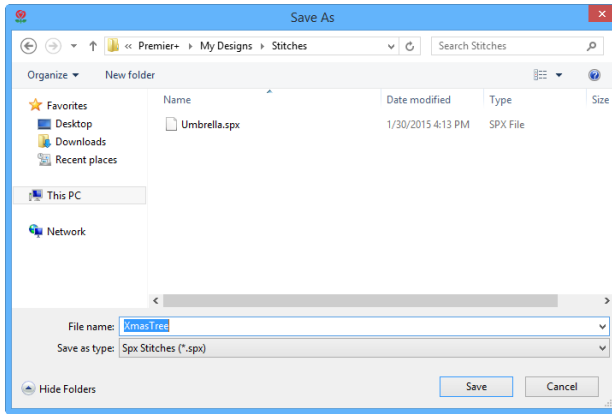
## Output

Save or send the design as a machine stitch.

## Export as Machine Stitch

Click Export As Machine Stitch  to export the stitch. The Save As dialog for machine stitches is displayed so you can name your stitch.

Files can be saved in Spx (.spx) format.





## Send to Machine



Use Send to Machine  to send a saved Spx stitch file to your connected machine.


*Alternatively, copy the Spx stitch file to a USB Embroidery Stick.*


## Zoom

Use the Zoom functions to change the view of the stitch.


Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.


## Shortcuts

- Draw Tab, Motif: 
- Keys: Alt, D, H, X

# Creating Stamps

*Stamps are used in PREMIER+™ 2 Modify to emboss areas of fill and satin. Create your own stamps from drawings, saving them as .4qb files. See “Creating a Drawing” on page 99.*

Any drawing can be made into a stamp, but for best results use a simple design. If the stamp will be used for a fill, rather than singly or in a line, ensure that there is plenty of space around the design, so designs do not merge.

Use Save As Drawing  to save the stamp design as a .4qb file. This saves the precise position of the nodes that you used in your drawing, and whether they were for curves or corners.

*Save stamps to your My Pictures folder, or create a Stamps folder in your My Designs folder.*

Create stamp designs manually, or by tracing an existing design loaded as a background picture.



*When reloading a partially complete drawing to finish creating a stamp, use the Open Background Picture feature on the File menu of the Draw window to reload the background.*


## Design Size


Stamps should be designed at the size they are most likely to be used, as this will match the detail in the stamp to the scale at which it is used. If you are likely to use the same stamp at different sizes, where one size is at least twice as big as the other, make two versions of the stamp. Decreasing the size of a stamp will create too much detail, and increasing the size of a stamp will give an apparent loss of detail.




*Always use your stamps in a test stitchout before using them in a project.*

## Simplifying the Design

There may be too much detail in a design. Use Edit Nodes  and Delete Nodes  to remove extra details, and smooth outlines.

Use Add Nodes  to add extra detail to a stamp to be used at a larger size.












*Use Edit Nodes  to change the position of the nodes on the currently selected line. Moving a round node affects the two sections of line to either side of that node. This ensures line smoothness. You can append one line to another by joining two end nodes. The line that is joined to will take on the characteristics of the line that does the joining.*

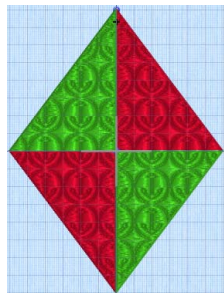
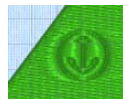
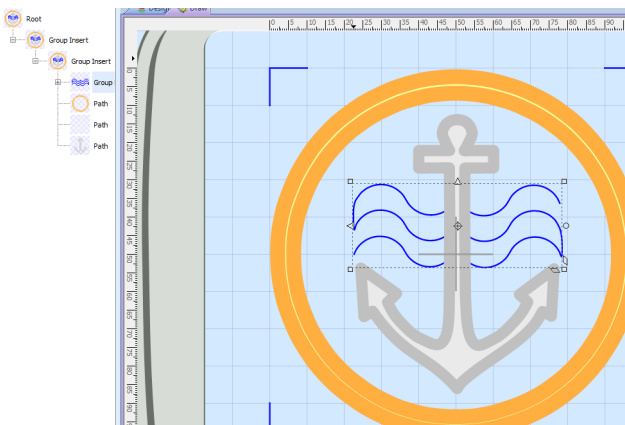
*Use Delete Nodes  to remove the currently selected node. If a middle node is deleted, the line will be redrawn to follow the path between the nodes that are left. Use Add Nodes  to add a node to the currently selected line. Use Edit Line  to change the shape of the currently selected line.*




## Using Your Stamps

Use your stamps from the Emboss tab of PREMIER+™ 2 Modify. Set the size and angle of the stamp, then select a single stamp, a stamp line, or a stamp fill.

# Make an Anchor Stamp from a Picture





- 1 Click File, New  or File, New Window  and the Choose Design Type page of the ExpressDesign Wizard will appear.
- 2 Click Load a Vector Picture as Objects into the Draw Window, then click Next.
- 3 Click Load a Picture  and in the Picture Viewer, browse to Documents\Premier+2\Samples\Create\Pics2\Anchor.4qb and click OK to load it onto the Choose Picture page. Click Next.
- 4 In the Design Size page click Change Hoop, and in the Hoop Selection dialog box set the Hoop to 100mm x 100mm - Universal Square Hoop 1. Click OK.  
*A small hoop is best for designing at this scale.*
- 5 Click Finish to close the wizard.
- 6 In the FilmStrip on the left of the screen, double-click the Group Insert entries to open the structure of the drawing.
- 7 In the FilmStrip, click the waves behind the anchor to select them.
- 8 Click Delete .
- 9 Between the circles and the anchor in the FilmStrip is the fill for the anchor. Select this fill area which appears transparent in the FilmStrip and click Delete .
- There are now two items in the design, the anchor and the circle around it.*
- 10 Click File, Save As Drawing , and browse to the folder Documents\Premier+2\My Pictures.
- 11 Save the edited picture as Anchor Stamp.4qb.  
*Alternatively, create a Stamps subfolder within this folder.*
- 12 In the QuickLink toolbar at the bottom of the screen, click PREMIER+™ 2 Modify.
- 13 Open an embroidery with large areas of fill or satin, for example Documents\Premier+2\Samples\Create\Stitch\Diamond.
- 14 Click the Emboss tab.
- 15 Click Load Stamp File , and in the viewer load the file Documents\Premier+2\My Pictures\Anchor Stamp.4qb.  
*The stamp preview appears in the Stamps area of the ribbon bar.*
- 16 Click Single Stamp . The pointer changes to an anchor. Stamp one of the green areas of the diamond. A large single stamp appears in the diamond fill area.
- 17 Click Undo  to remove this stamp.
- 18 Click Stamp Fill . The complete area of the diamond is stamped with the anchor design.
- 19 Click Undo  and vary the size and angle of the stamp before stamping again.  
*Try browsing to Documents\Premier+2\Samples\Create\Pics2\ and using other .4qb pictures in this folder as stamps. Some work well, but others are too detailed.*  
*You can also use Load a Background Picture into the Draw Window in the ExpressDesign Wizard to load a bitmap graphic or a photo to draw a design over.*







In the Paint window, you may open pictures with Insert Picture  and Open Picture . You can also obtain a picture from a scanner or digital camera with From Scanner or Camera .

To open drawings, see “Managing Drawings” on page 93.


The following file formats may be loaded: Windows or OS2 Bitmap (.bmp), JPEG-JFIF Compliant (.jpg, .jif, .jpeg), Portable Network Graphics (.png), Tagged Image File Format uncompressed (.tiff, .tif), Windows Meta File (.wmf), Windows Enhanced Meta File (.emf) and Windows Icon (.ico).

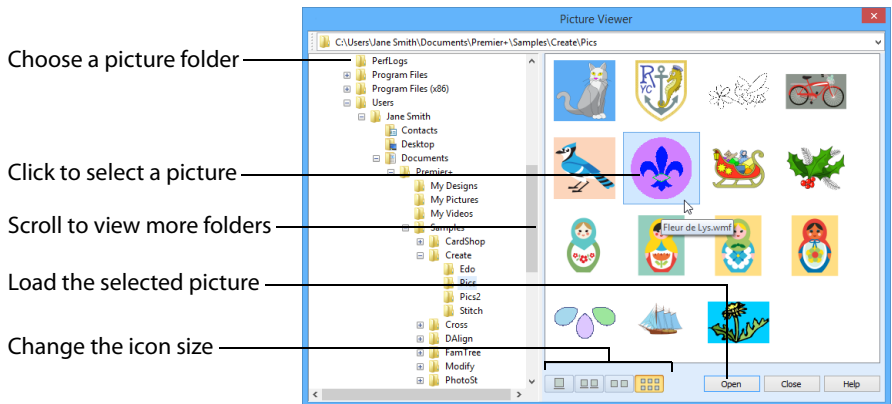
Use Insert Picture  or Open Picture  if you wish to adjust a picture in its original form before using it to create a design in the ExpressDesign Wizard. A picture opened with Insert Picture  or Open Picture  will not have its colors reduced or modified, as it would in the ExpressDesign Wizard.

Insert Picture , Open Picture , and From Scanner or Camera  are only available when there are no stitch objects in the design. To use these features, click File, New and select Start a New Design with no Picture, select Paint Window, then click Finish. In the Paint tab use the desired function.

Pictures may be saved with a new name and location using Save As Picture .

## Insert Picture

Use Insert Picture  to browse pictures before opening them into the current window. PREMIER+™ 2 Create displays the Picture Viewer so you can choose which picture to open.




Open a folder, and scroll down and click a picture to select it. Click OK to load the picture on the work area.

You can change the icon size, and show the names of the pictures.


### Shortcut

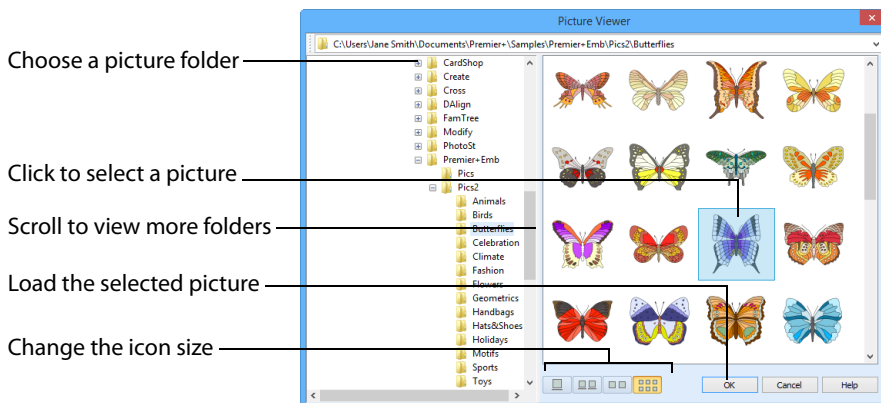
■ File Menu: 

## Use Insert Picture to Load a Picture

- 1 With the Paint tab selected, click File, Insert Picture . The Picture Viewer appears.
- 2 Browse through the drives and folders of the computer to the desired folder.
- 3 Click on an icon to select the picture.
- 4 Click Open to load the picture into the work area.  
*Alternatively, double-click the icon for the picture.*

## Open Picture

Use Open Picture  to open an existing picture in a new window. PREMIER+™ 2 Create displays the Picture Viewer so you can choose which picture to open.




Open a folder, and scroll down and click a picture to select it. Click OK to load the picture on the work area.

*You can change the icon size, and show the names of the pictures.*


### Shortcuts

- File Menu: 
- Keys: Ctrl + O

## Use Open Picture to Load a Picture

- 1 With the Paint tab selected, click File, Open Picture . The Picture Viewer appears.
- 2 Browse through the drives and folders of the computer to the desired folder.
- 3 Click on an icon to select the picture.
- 4 Click Open to load the picture into the work area.  
*Alternatively, double-click the icon for the picture.*

## From Scanner or Camera

Use From Scanner or Camera  to display the program that is used to acquire pictures from the selected scanner, digital camera or other suitable device. Only devices that use Windows Image Acquisition (WIA) can be used to obtain pictures.

WIA (Windows Image Acquisition) is a standard method for transferring pictures from the device's scanning or downloading program to another program, in this case the PREMIER+™ 2 Create module of the PREMIER+™ 2 Embroidery System. If the manufacturer provides the appropriate software components needed for WIA compliance, these should have been installed when the device was installed.

Each scanner or digital camera has its own program that is used to scan or download pictures. Refer to the manual or online help provided with the program for instructions, if required. When the device and its software finish processing the picture, it will be shown in the work area.


PREMIER+™ 2 Create displays pictures in High Color (16-bit), so some difference may be noticeable compared with the display in other picture viewing programs if your computer is set to True Color (24-bit or 32-bit). This does not affect the quality of the embroideries produced.

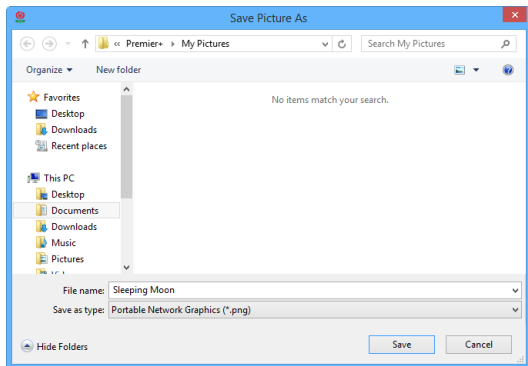
Pictures may also be scanned directly into the ExpressDesign Wizard.

## Shortcut

- File Menu: 

## Save As Picture

Use Save As Picture  to save changes to a picture you have edited, or save a picture you have created with the PREMIER+™ 2 Create painting tools, or save a picture after it has been loaded and modified with the ExpressDesign Wizard.



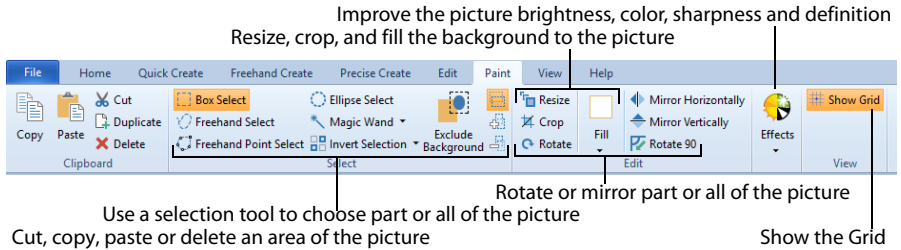
The following file formats may be saved: Windows or OS2 Bitmap (.bmp), JPEG Low Quality (.jpg), JPEG High Quality (.jpg), Tagged Image File Format uncompressed (.tif) and Portable Network Graphics (.png).

## Shortcut

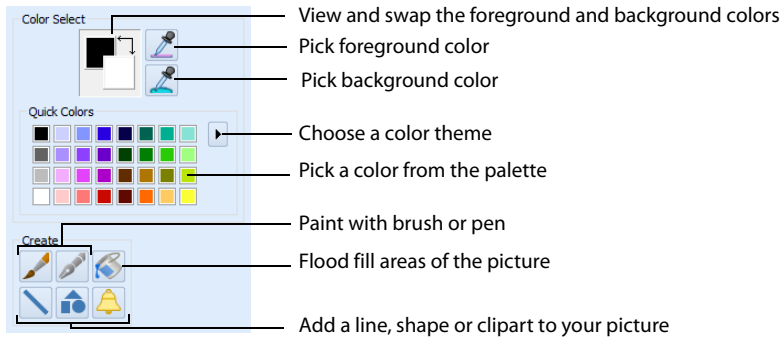
- File Menu: 

A full range of painting functions is available for raster graphics files (created using a grid of pixels, and less easily resizable than vectors). In addition to the standard features, PREMIER+™ 2 Create includes a MiniPics function for adding special small clipart, and a range of Image Effects for improving pictures ready for creating designs.

Use the Paint tab to select and edit your picture.



Use the Paint window control panel to select colors, and paint lines and fill areas for your picture.



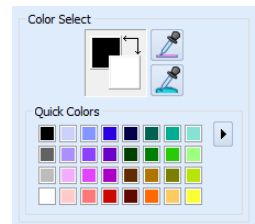
## Choose Painting Colors

### Color Box and Color Palette

Use the Color box and Color palette to choose the colors for painting.

#### Color Box



The Color box at the right of the window displays the currently selected foreground and background colors. The top color is the foreground (for drawing with left-click) and the bottom color is the background (for drawing with right-click with most tools).





Click the double-headed arrow in the corner of the Color box to swap the foreground and background colors.

## Alter a Color in the Color Box

- 1 Left-click on a color from the Color palette to select it as the foreground color.
- 2 Right-click on a color from the Color palette to select it as the background color.
- 3 To alter the range of colors in the Color palette, click the Theme drop-down list and select one of the themes.
- 4 To choose a color that is not in the Color palette, double-click on either of the colors in the Color box to bring up the Colors dialog box. (After a color is chosen, it will be placed as foreground or background depending on which color was clicked in the Color box.)
- 5 To select a color from the picture on the screen use the Pick Color (foreground  and background ) functions in the Paint window control panel.

## Themes



To alter the range of colors in the Color palette, click the Theme drop-down list and select one of the themes: Standard, Spring, Summer, Fall or Winter. The default theme is Standard.

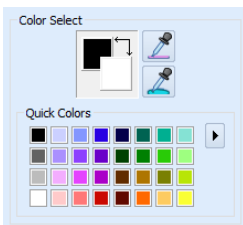
You can select a personal palette by using Edit Themes. Use Edit Themes to create and select personal color palettes. See “Quick Color Themes” on page 275.

## Color Palette

The Color palette below the Color box provides 32 commonly used colors. Left-click on a color of the palette to place it in the Color box as the foreground color. Right-click on a color of the palette to place it in the Color box as the background color.


## Pick Color

Use Pick Foreground Color  and Pick Background Color  to select a color from the picture on the screen and make it the foreground or background color in the Color box.



This is useful for choosing colors from the picture for drawing that do not appear in the Color palette.


## Pick Foreground Color



Use Pick Foreground Color  to select a color from the picture on the screen and make it the foreground color in the Color box.

## Shortcut

- Paint Window Control Panel: 

## Pick Background Color




Use Pick Background Color  to select a color from the picture on the screen and make it the Background color in the Color box.

Also use Pick Background Color  to choose the desired background color from the picture before using the selection functions, Shapes  and so on.

## Shortcut

- Paint Window Control Panel: 

## Pick a Color

- 1 Click Pick Foreground Color  or Pick Background Color . The pointer changes to an eyedropper .
- 2 Click the desired color in the picture to make it the foreground or background color in the Color box, as desired.

## Colors Dialog Box

The Colors dialog box is used to choose a new color for the foreground or background color, or modify any color in the Color palette.

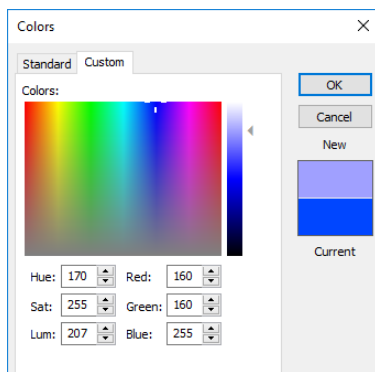
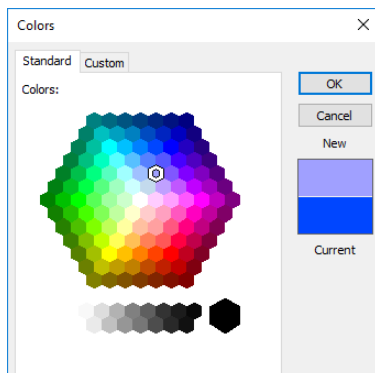
The color selected in the Colors dialog box is set to the foreground color if the top color in the Color box was double-clicked to bring it up, or if a color in the Color palette was double-clicked with the left mouse button. It is set to the background color if the bottom color in the Color box was double-clicked to bring it up, or if the color in the Color palette was double-clicked with the right mouse button.

When the Colors dialog box appears, it shows the Standard color selection. If desired, click one of the Standard colors. A highlight shows the selected color. The New/Current box shows the difference between the newly chosen color and the color currently used.

Click the Custom tab to be able to select any of the 16 million RGB colors.

Click in the blended color palette to choose a basic color, then use the slider at the side to choose the desired brightness level. The HSL and RGB values are updated as you change the color and the color is previewed in the New/Current box.

You can also directly enter Hue, Sat(uration), Lum(inance) (HSL) and/or Red, Green, Blue (RGB)



values. Alternatively, use the up/down buttons on each of the HSL and RGB value boxes to make fine adjustments to the color.

## Color Models

### Hue, Saturation, Luminance (HSL) Color Model


Hue is the color (red, yellow, green, or blue) for the selected color, expressed as a value between 0 and 239. Saturation (Sat) is the strength or purity of color in a specified hue. This is related to the amount of gray in it and is measured from 0 (completely gray) up to a maximum of 240 (no gray). The higher the saturation, the purer or more vivid the color. Luminosity (Lum) is the intensity of lightness or darkness in a color, specified by a value between 0 (black) and 240 (white). If Saturation is 0, the Luminosity setting specifies a shade of gray.

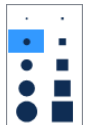
### Red, Green, Blue (RGB) Color Model

The RGB model, one of the Additive Color models, is used on computer monitors. It has three primary colors — red, green, and blue — that it creates by emitting light. These three colors are combined in various proportions to produce all the colors displayed on your screen. They are referred to as additive because they combine to produce white. Primary colors are measured as a value from 0-255. The colors produced by combining the three primaries are a result of the amount of each of those shades present. For example, pure red has a red value of 255, a green value of 0, and a blue value of 0. Yellow has a red value of 255, a green value of 255, and a blue value of 0. If Red, Green and Blue are set to zero, the color is black; if all three are 255, they produce white.

## Painting Tools

### Paintbrush



Use the Paintbrush  to paint lines on the picture that follow the movement of the pointer. Select a round or square brush in one of five different widths.

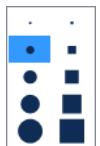


#### Shortcut

- Paint Window Control Panel, Create: 


### Draw a Line with the Paintbrush

- 1 Select the desired color in the Color panel. Use Pick Color  if you want to select a color from the picture.
- 2 Click the Paintbrush icon .
- 3 Change the line width and style if desired by clicking on the desired setting in the Tool Options box.
- 4 Click and drag across the work area from the desired start point to the desired end point to draw a line. A line appears showing the freehand line as it is drawn. Lift the pen or release the mouse button and the line is completed. Each time you drag and release a new line will be drawn, until another feature is selected.



*You can single-click to place dots of color.*



## Line

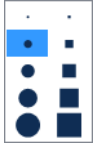
Use Line  to draw straight lines with round or square ends in the picture using one of five different widths.

### Shortcut


- Paint Window Control Panel, Create: 

## Draw Straight Lines with the Line Tool

- 1 Select the desired colors for foreground and background in the Color panel. Use Pick Color  if you want to select colors from the picture.
- 2 Click the Line icon .
- 3 Change the line width if desired by clicking on the desired setting in the Tool Options box.
- 4 Click and drag across the work area from the desired start point to the desired end point to draw a line. A line appears "attached" to the pointer showing the size of the line that will be drawn. The length of the line in pixels is shown in the status bar. Lift the pen or release the mouse button and the line is drawn in the foreground color.
- 5 Each time you drag and release a new line will be drawn, until another feature is selected.  
*If desired, use right-click and drag to draw lines in the background color.*





## Calligraphy

Use Calligraphy  to paint lines on the picture. Select from two different pen angles and four different line widths.

### Shortcut

- Paint Window Control Panel, Paint: 

## Draw Lines with the Calligraphy Pen


- 1 Select the desired color in the Color panel. Use Pick Color  if you want to select a color from the picture.
- 2 Click the Calligraphy icon .
- 3 Change the line width and style if desired by clicking on the desired setting in the Tool Options box.
- 4 Click and drag across the work area from the desired start point to the desired end point to draw a line. A line appears showing the freehand line as it is drawn. Lift the pen or release the mouse button and the line is completed. Each time you drag and release a new line will be drawn, until another feature is selected.




*You can single-click to place short lines of color. If desired, use right-click and drag to draw lines in the background color.*

## Drawing Shapes

### Shapes

Use Shapes  to draw shapes in the design. The shape will be drawn as a closed line, that may be filled. Select your shape from the drop-down list. Seventy-five different shapes are available.


Shapes is enabled until another tool is selected.

Hold the **Ctrl** key down when using Shapes  to keep the original proportions of the shape. For example, use **Ctrl** to draw a square rather than a rectangle, or a circle instead of an ellipse.

## Shortcut

- Paint Window Control Panel, Create: 

## Draw a Shape

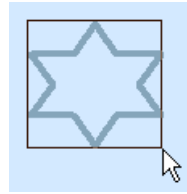
- 1 Select the desired line and fill colors and types.
- 2 Click the Shapes icon .
- 3 Select the type of shape you wish to draw from the drop-down list in the tool options box.
- 4 Click one of three options: outline only, fill only and outline with fill.
- 5 Click and drag across the work area from the desired start point to the desired end point and the shape appears in the design area.



Select a shape






Choose outline, fill, or both



Draw your shape

*Draw the shape with the right mouse button held down to reverse the outline and fill colors.*

Lift the pen or release the mouse button and the shape appears.

- 6 If the shape needs to be moved, use either Box Select  or Freehand Select  to select the shape, and then move it to the desired position. Alternatively, click Undo  and draw the shape again.

## Shape Options

These options cover the types of shape, and how they are drawn.

### Shape Type



Select one of 75 shape types from a drop-down list.



### Shape Options

Choose from: outline only, fill only and outline with fill.




## Flood Fill

Use Flood Fill  to fill an area of the picture with the foreground or background color. The pointer changes to the paint bucket . The area to be filled is defined by other colors surrounding it or the edges of the work area. Left-click to fill an area using the foreground color, or right-click to use the background color. Flood fill will not flow across gaps between separate areas of the same color. Either fill each area separately, or use other drawing tools to 'patch up' a shape to make it a continuous area of the same color.

## Shortcut


- Paint Window Control Panel, Create: 

## Flood Fill an Area

- 1 Select the desired color for the foreground and background in the Color panel. Use Pick Color  if you want to select colors from the picture.
- 2 Click the Fill icon  and the pointer changes to the paint bucket .
- 3 Change the color sensitivity of Flood Fill with Tolerance, by clicking on the desired setting in the Tool Options box.
- 4 Click on a color within your picture. Adjacent areas in the picture with a similar color to the area that you clicked are filled with the foreground color (or the background color, if you right-click).
- 5 Flood Fill is enabled until another tool is activated, or you right-click to deselect it.



## MiniPics

Use MiniPics  to add any of the special small clipart pictures included with your PREMIER+™ 2 Embroidery System. An added MiniPic is automatically selected at the top left of the work area, ready to be moved or copied.


To see the name of a MiniPic, position the arrow pointer over the desired thumbnail. A label showing the file name will appear.

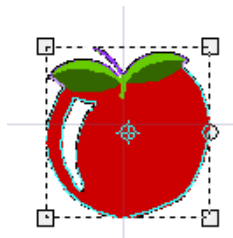
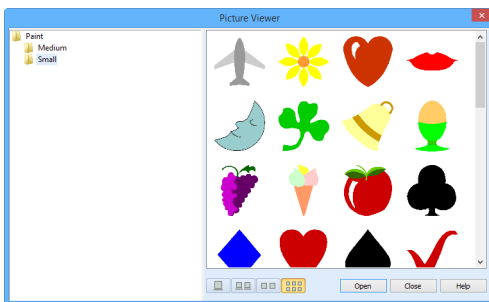
*To move a MiniPic you must click in a colored (non-background) area.*

### Shortcut

- Paint Window Control Panel, Create: 

### Load a MiniPic

- 1 Click the Load MiniPics icon  and the Viewer dialog box will be displayed.
- 2 To look at MiniPics in a different folder, click the folder to view the contents of that folder.  
*The browser only looks for MiniPics folders in ProgramData\VSMSoftware\Premier+2\MiniPics\Paint, which is supplied with two subfolders for Medium and Small MiniPics.*
- 3 Scroll down to see more MiniPics, if available.
- 4 Click a thumbnail picture to select a MiniPic, then click the Open button at the bottom of the window. Alternatively, double-click on a thumbnail picture to load the MiniPic onto the screen. The MiniPic will be placed in the top left of the picture with a selection box around it.
- 5 Click and drag in a colored area of the newly placed MiniPic to place it in the required position on your picture. You can also resize the MiniPic, and flip it or rotate it. You may need to move the Viewer dialog box out of the way to position the MiniPic where you want it (click and drag the Viewer dialog box using its title bar).
- 6 Use the scroll bar to display all the MiniPics in the folder, and click a picture to choose a new MiniPic.
- 7 Carry on adding MiniPics as required. When you select the next MiniPic, the previous MiniPic is deselected and becomes part of the picture.
- 8 When you have finished, click Cancel. If you have a MiniPic selected in the picture, it can still be modified until you click outside the selection box to make it part of the picture.



# Creating MiniPics

In addition to using the MiniPics supplied with your PREMIER+™ 2 Embroidery System, you may also create your own MiniPics.

## Before Starting

To create your own MiniPics, you will need appropriate image editing software that is capable of saving pictures in Sun Raster Image (.ras) format. It is also recommended to have good knowledge of working with graphic files.

## About MiniPics

Create Medium MiniPics at 400x400 pixels, and Small MiniPics at 250x250 pixels.

The color palette must be 256 colors (8 bit) or 16 million colors (24 bit).

White is treated as transparent when you load a MiniPic, so anything underneath the white part of a MiniPic will show through. If you want an area to be white in your MiniPic, use a "false white" such as very pale yellow, then change it to white with the Flood Fill tool.

To be available to the MiniPics function, your MiniPics must be saved within ProgramData\VSMSSoftware\Premier+2\MiniPics\Paint.

It is recommended that you create a new folder for saving your own MiniPics, such as ProgramData\VSMSSoftware\Premier+2\MiniPics\Paint\MyMiniPics.

## How To Make a MiniPic

### Use an Existing Picture

- Open an existing picture. Either crop around the required area or resize the whole picture to the size of a Medium or Small MiniPic.

### Create a New MiniPic from a Blank Picture

- Start a new image and set it to the size of either a medium (400x400 pixels) or small (250x250 pixels) MiniPic. Use the drawing tools in the graphic package to create the desired picture for the MiniPic.


### Finalize and Save the New MiniPic

- 1 Ensure that the colors are solid color areas. See the existing MiniPics for examples.
- 2 Save the file in Sun Raster Image format with the ".ras" extension. If there are options for the Sun Raster Image format, ensure the file is saved as 'Standard - Type 1' with no image or file compression.


### Change the File Extension

- 3 Start Explorer in Windows® and browse to the folder where you saved the ".ras" file.  
*If the .ras file extension is not shown, you will need to allow file extension to be shown. Select either Tools, Folder Options or Organize, Folder and Search Options. The Folder Options will appear. Click the View tab. In the list of options, click 'Hide extensions for known file types' so that it is not selected. Click OK and the .ras extension will be shown.*
- 4 Right-click on the file to bring up a context menu, and select the Rename option from the menu.
- 5 Edit the file name to change the extension from ".ras" to ".axw" and press Enter.
- 6 You will be warned about changing the file extension and asked if you want to continue.
- 7 Click Yes and the change to the file extension will be applied.

## Use the MiniPic

- 8 Start PREMIER+™ 2 Create and click the MiniPics icon  so that the MiniPics Viewer appears.
- 9 Browse to the folder where you saved your new MiniPic.
- 10 The viewer will show your new MiniPic, along with any MiniPics you have already created.
- 11 Click the MiniPic and it will be used in the picture.

## Fill Background to Hoop


Use Fill Background to Hoop  to fill any empty areas between the picture and the hoop boundaries with the selected background color.

This can be useful in the following circumstances:






- If you change the shape of the hoop to add other elements, for example if you change from a square hoop to a rectangular hoop to add a MiniPic to the picture.
- If you crop a picture before adding other elements.

*When you load a picture in the Express Design Wizard, any area outside the picture is automatically filled. Use Fill Background to Hoop where the picture no longer matches the shape of the hoop.*

## Shortcuts

- Paint Tab: 
- Keys: Alt, D, L, B

## Fill Empty Areas Around a Picture

- 1 Start PREMIER+™ 2 Create and in the Choose Design Type page of the ExpressDesign Wizard, select Load a Picture into the Paint Window.
- 2 In the Choose Picture page click Load a Picture  and load the picture Documents\Premier+2\Samples\Premier+2Emb\Pics2\Holidays\Ho09.png. Click Next.
- 3 In the Rotate and Crop Picture page click Select All to keep the white background around the picture.
- 4 Click Next and Finish to complete the wizard. The picture is displayed in the hoop with a white background.
- 5 Use Box Select  to select the top half of the picture, then click Crop . The edges of the picture are now blue.  
*You may have to zoom out to see this.*
- 6 With the Paintbrush  draw a line across the white and blue areas. Only the part of the line on the white background appears.
- 7 Click the Home tab. The blue area in the hoop is the background fabric. It is not part of the picture.
- 8 Click the Paint tab, then in the ribbon bar click Fill, and Fill Background to Hoop . The blue areas of the picture are filled with the selected background color.  
*You can now draw on or flood fill these areas.*
- 9 Click the Home tab again. The picture now fills all of the hoop.

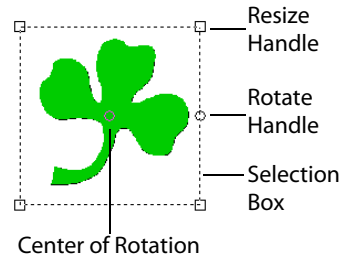


Use one of the selection tools: Box Select , Freehand Select , Freehand Point Select , Ellipse Select , or Magic Wand Select  to select part of the picture as a block.

*If desired, use Exclude Background  with any of the selection tools.*

After selection, delete, cut, copy, resize, rotate or mirror the selection. Crop the picture so that only the selected area remains. Apply effects to enhance or adjust only the selected area.


To resize the block, click and drag one of the corner resize handles as desired. Hold down Ctrl as you click and drag to resize proportionally. Hold down Shift to resize from the center. Rotate the selection around the center of rotation to any degree with the rotate handle. Click and drag inside the selection to move it to a new position in the picture.




To deselect the area, click anywhere in the work area outside the selection box.

## Select and Resize Areas



### Box Select

Use Box Select  to select an area of the picture by drawing a square or rectangular box around it.

*Use Pick Color  before using any select tool to set the correct background color, then use Exclude Background if desired.*


To resize, click and drag one of the corner resize handles as desired. Rotate the selection to any degree with the rotate handle. Click and drag inside the selection to move it to a new position in the picture.

To deselect the area, click anywhere in the work area outside the selection box.



*Use Add to Selection  with any select function to increase the selected area, or use Remove From Selection  to make the currently selected area smaller.*

After selection, delete, cut, copy, resize, rotate, or mirror the selection. Crop the picture so that only the selected area remains. Apply effects to enhance or adjust only the selected area.


### Shortcuts


- Paint Tab, Select; Status Bar: 
- Keys: Alt, D, SB

## Select an Area with Box Select

- 1 Select the desired Background color in the Color panel. Use Pick Color  if you want to select it from the picture. If desired, select Exclude Background.
- 2 Click Box Select .
- 3 Click and drag around the desired area of the picture. The selection will be shown by the dashed selection box.
- 4 Box Select is enabled until another tool is activated, or you right-click to deselect it.



## Freehand Select

Use Freehand Select  to select an area of the picture by drawing a freehand line around it. This is useful when an area cannot easily be selected with a rectangular box.

*Use Pick Color  before using any select tool to set the correct background color, then use Exclude Background if desired.*


To resize the selection, click and drag one of the corner resize handles as desired. Rotate the selection to any degree with the rotate handle. Click and drag inside the selection to move it to a new position in the picture.

If you draw partially around the area you wish to select, a straight line will be used from the last point back to the beginning of the selection. To deselect the area, click anywhere in the work area outside the selection box.



*Use Add to Selection  with any select function to increase the selected area, or use Remove From Selection  to make the currently selected area smaller.*

After selection, delete, cut, copy, resize, rotate or mirror the selection. Crop the picture so that only the selected area remains. Apply effects to enhance or adjust only the selected area.


### Shortcuts


- Paint Tab, Select; Status Bar: 
- Keys: Alt, D, SF


## Select an Area with Freehand Select


- 1 Select the desired background color in the Color panel. Use Pick Color  if you want to select it from the picture.
- 2 Click Freehand Select .
- 3 Click and drag to trace a line around the desired area of the picture. The selection will be shown by the dashed selection box.
- 4 Freehand Select is enabled until another tool is activated, or you right-click to deselect it.



## Freehand Point Select

Use Freehand Point Select  to select an area of the picture of any shape, defined by a series of points.

*Use Pick Color  before using any select tool to set the correct background color, then use Exclude Background if desired.*

Click Freehand Point Select and the pointer changes to the Freehand point select pointer . Click a series of points to create an irregular outline of straight or curved lines around the desired area, using Ctrl+click to place a square (straight line) point. Click and

drag  to reposition an existing point. Click Delete to remove the last-placed point. Right-click when the area is complete. The selection box will show you the extent of the block. Freehand Point Select may be easier to use than Freehand Select for precise selections. Click to deselect.

Use Add to Selection  with any select function to increase the selected area, or use Remove From Selection  to make the currently selected area smaller.

If the wrong area is selected, click in the active window, but outside the selected area, to start making a new selection.


To resize, click and drag one of the corner resize handles as desired. Rotate the selection to any degree with the rotate handle. Click and drag inside the selection to move it to a new position in the picture.

After selection, move, delete, cut, copy, resize, rotate, or mirror the selection. Crop the picture so that only the selected area remains. Apply image effects to enhance or adjust only the selected area.





Freehand Point Select is enabled until another tool is activated. Right-click to deselect.

You may need to right-click twice if you have not completed the current selection.


## Shortcuts


- Paint Tab, Select; Status Bar: 
- Keys: Alt, D, SP


## Select an Area with Freehand Point Select

- 1 Click the Freehand Point Select icon . The pointer changes to the Freehand Point pointer .
- 2 Click to place the first point for the selection. A yellow square node appears.
- 3 Click to place a series of points around the desired area.  
*As you click the third point on the line, the line becomes closed (it becomes a loop). As you place more points the line adjusts itself.*  
*The line may 'swing' while you place points. Just carry on, you can adjust it afterwards.*
- 4 Use Ctrl+click to place square nodes for straight lines.
- 5 Move the pointer over one of the nodes on the line. The pointer changes to the Move Node pointer . Adjust the node as desired.  
*When the Move Node pointer is active you can adjust existing nodes.*  
*If you click while the Freehand Point pointer  is active, another point will be added to the line.*
- 6 When your line is as desired, right-click to surround the area with a selection box.
- 7 Right-click to deselect Freehand Point Select.

## Ellipse Select



Use Ellipse Select  to select an area of the picture by drawing a circle or ellipse with a rectangular selection box around it.

Use Pick Color  before using any select tool to set the correct background color, then use Exclude Background if desired.

Click Ellipse Select and the pointer changes to the ellipse select pointer . Click and drag around the area that you want to select.

If the wrong area is selected, click in the active window, but outside the selected area, to deselect.


To resize, click and drag one of the corner resize handles as desired. Rotate the selection to any degree with the rotate handle. Click and drag inside the selection to move it to a new position in the picture.

Use **Add to Selection**  with any select function to increase the selected area, or use **Remove From Selection**  to make the currently selected area smaller.


After selection, move, delete, cut, copy, resize, rotate, or mirror the selection. Crop the picture so that only the selected area remains. Apply image effects to enhance or adjust only the selected area.

Ellipse Select is enabled until another tool is activated. Right-click to deselect.


## Shortcuts


- Paint Tab, Select; Status Bar: 
- Keys: Alt, D, SE


## Select an Area with Ellipse Select

- 1 Click Ellipse Select .
- 2 Click and drag around the desired area of the picture. The selection will be shown by the dashed selection box.
- 3 If you want to make a new selection, click outside the current selection to deselect it. Then draw a new ellipse around the required area.
- 4 Ellipse Select is enabled until another tool is activated, or you right-click to deselect it.

## Magic Wand Select

The Magic Wand  selects an area of similar color to where you clicked. The color, hue and brightness are used when making this selection.



Use **Pick Color**  before using any select tool to set the correct background color, then use **Exclude Background** if desired.

Click Magic Wand Select and the pointer changes to the magic wand pointer .


If the wrong area is selected, click in the active window, but outside the selected area, to deselect.

Use the Tolerance settings to set the color variation for the Magic Wand selection. Select between No Tolerance, Low, Medium, Medium High and High.

The Magic Wand is enabled until another tool is activated. Right-click to deselect.

Use **Add to Selection**  with any select function to increase the selected area, or use **Remove From Selection**  to make the currently selected area smaller.

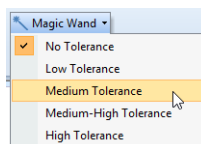
## Shortcuts

- Paint Tab, Select; Status Bar: 
- Keys: Alt, D, SW


## Use Magic Wand Select

- 1 Click Magic Wand Select .

- 2 Change the color sensitivity of the Magic Wand with Tolerance, by clicking on the desired setting in the drop-down menu.
- 3 Click on a color within your picture. Adjacent areas in the picture with a similar color to the area that you clicked are selected.  
*The selection will be shown by a dashed line.*
- 4 If you want to make a new selection, click outside the current selection to deselect it. Then make a new selection.
- 5 The Magic Wand is enabled until another tool is activated, or you right-click to deselect it.




## Invert Selection

When Invert Selection  is clicked all the currently selected areas become deselected, and the deselected areas become selected.


This is useful when you want to apply an effect to everything except a small area.

*If the wrong area is selected, click in the active window, but outside the selected area, to deselect.*


### Shortcuts

- Paint Tab, Select; Status Bar: 
- Keys: Alt, D, SI, V


## Exclude a Small Area when Selecting

- 1 Use one of the selection tools to select the area that you want to exclude from an effect.
- 2 Click Invert Selection .
- 3 The previously selected area becomes deselected, and the deselected area becomes selected.


## Select All

Select All  is a one click function that selects all of the picture. This is useful to resize or reshape the entire picture.


### Shortcuts

- Paint Tab, Select; Status Bar: 
- Keys: Alt, D, SI, A


## Select None

Use Select None  to deselect all of the picture.


### Shortcuts

- Paint Tab, Select; Status Bar: 
- Keys: Alt, D, SI, N

## Exclude Background

Use Exclude Background  to include or exclude areas matching the background color when making a selection using any of the selection tools.




### Shortcuts

- Paint Tab, Select: 
- Keys: Alt, D, SK


## Replace Selection

Use Replace Selection  to replace the currently selected area with the new selection.

### Replace a Selection

- 1 Place an image on the work area.
- 2 Use Box Select  (or another selection tool) to select an area.
- 3 Ensure that Replace Selection  is selected.  
*Replace Selection is initially selected.*
- 4 Using Box Select , select a different area.  
*The new selection replaces your old selection.*




#### Shortcuts

- Paint Tab, Select: 
- Keys: Alt, D, SR


## Add To Selection

Use Add to Selection  to add the new selection to the currently selected area.


### Add to a Selection

- 1 Place an image on the work area.
- 2 Use Box Select  (or another selection tool) to select an area.
- 3 Click Add to Selection .
- 4 Using Box Select , select a different area.  
*The new selection is added to your old selection.*




#### Shortcuts

- Paint Tab, Select: 
- Keys: Alt, D, ST


## Remove From Selection

Use Remove from Selection  to remove the new selection from the currently selected area.


### Remove from a Selection

- 1 Place an image on the work area.
- 2 Use Box Select  (or another selection tool) to select an area.
- 3 Click Remove From Selection .
- 4 Using Box Select , select an area within your selection.  
*The new selection is removed from your original selection.*

#### Shortcuts

- Paint Tab, Select: 
- Keys: Alt, D, SM

## Resize Part of a Picture


When part of the picture has been selected with one of the selection tools, click and drag one of the corner resize handles to change the size of the area. When the pointer is over a resize handle the pointer changes to a double-headed arrow pointer .

Hold the Ctrl key down when resizing to keep the proportions the same. Hold the Shift key down to resize from the center. With selection tools other than Box Select, only the area that was selected is resized, even though the selection box appears rectangular.

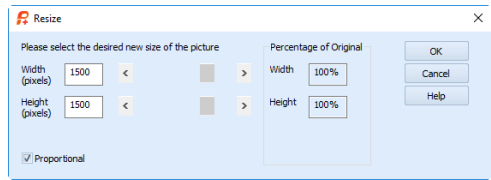
*If no part of the picture is selected, use the **Resize**  function to change the size of the whole picture.*

# Resize and Crop the Picture

## Resize

Use Resize  to increase or decrease the size of the whole picture. The Resize dialog box appears so you can enter a new picture size.


*The Resize function only resizes the whole picture, so it does nothing if part of the picture is currently selected. If part of the picture has been selected, use the resize handles to resize the selection. See "Select and Resize Areas" on page 165.*





When the picture is resized it is automatically resampled. For example, if the picture size is increased, the resampling process interpolates (adds) pixels until the desired size is reached, matching the colors used to those already used in the picture. This produces a more pleasing result than if the pixels were simply expanded in size, which would produce a 'blocky' effect. However, it should be realized that whenever a picture is resized, some change occurs compared with the original.

*A picture may be resized up to a maximum of 2000 pixels in each dimension.*

## Shortcuts





- Paint Tab, Edit: 
- Keys: Alt, D, I

## Resize a Picture

- 1 Ensure that no part of the picture is selected.  
*When you use Resize  any selection is automatically deselected.*
- 2 Click the Resize icon . The Resize dialog box will appear.
- 3 Move the slider bar until the desired width or height is shown, or type in the desired figure. The percentage related to the original picture is shown in the box to the right. For example if the width is increased from 1000 pixels to 1100, the Percentage of Original Width would be shown as 110%.
- 4 If the Proportional option is selected, the slider bars will move together to keep the Height and Width in proportion. Deselect Proportional to change the Height and Width separately.
- 5 Click OK when the desired size is shown. The picture will be resized and the new size will be shown on the status bar.

## Crop


*If you are going to use a picture in the ExpressDesign Wizard, it is recommended not to crop the picture with this Crop function. Instead, use the Rotate and Crop Picture page of the ExpressDesign Wizard to select the desired section of the picture.*

Use Crop  to decrease the size of the picture by removing the parts that are not wanted. Use one of the selection tools, e.g. Box Select  or Freehand Select , to select the area of the picture that you wish to keep, then click the Crop icon . The parts of the picture outside the selection box are removed and the display adjusts to show the remaining part of the picture at the largest possible magnification.




You must select an area of the picture before using Crop. Crop only removes rectangular areas of the picture, therefore the results will be the same whether you select the area using Box Select or Freehand Select.

## Shortcuts


- Paint Tab, Edit: 
- Keys: Alt, D, P

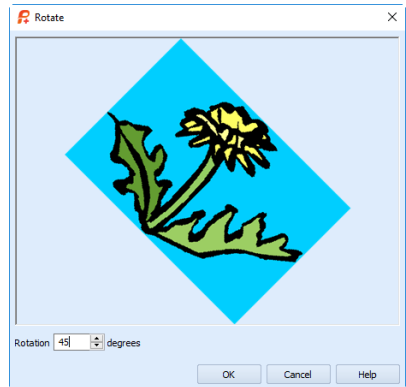
# Rotate Part or All of the Picture

## Rotate


Use Rotate  to rotate the whole picture by any degree. The Rotate dialog box appears so you can enter the rotation angle.

The background color from the Color box is used for the background against which the picture is rotated. If desired, change the background color before rotating.


*The Rotate function only rotates the whole picture, so it does nothing if part of the picture is currently selected. If part of the picture has been selected, use the rotate handle to rotate the selection. See Rotate Part of the Picture. To rotate part or all of the picture by exactly 90 degrees, use Rotate 90 .*



## Shortcuts

- Paint Tab, Edit: 
- Keys: Alt, D, R

## Rotate a Picture

- 1 Ensure that no part of the picture is selected. Any selection will be automatically deselected.
- 2 Click Rotate  and the Rotate dialog box will appear.
- 3 Use the up and down arrows to select the desired angle of rotation, or enter the desired figure. Because a rectangular picture is being rotated, a new background is seen around it. This is set to the background color in the Color box. If desired, change the color before rotating the picture.
- 4 When the rotation is as desired, click OK. The picture will be rotated and, if necessary, resized.

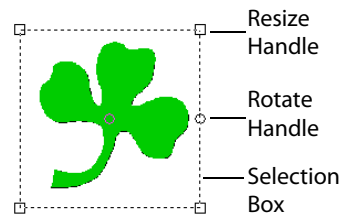
## Rotate Part of the Picture

Rotate part of the picture using the Rotate Handle on the selection box.

*To rotate part or all of the picture by exactly 90 degrees, use Rotate 90.*


## Rotate Part of a Picture

- 1 Select part of the picture using one of the selection tools.




- 2 Click and drag the round rotate handle on the selection box to Rotate the area to any degree.  
*When an area is chosen with one of the selection tools, only the area that was selected is rotated, even if the selection box appears rectangular.*

## Rotate 90

Use Rotate 90  to rotate the selected part or all of the picture by 90 degrees. If no part of the picture has previously been selected, the whole picture is rotated. If part of the picture has been selected, only that area is rotated.

*When an area is chosen with one of the selection tools, only the area that was selected is rotated, even if the selection box appears rectangular.*


### Shortcuts

- Paint Tab, Edit: 
- Keys: Alt, D, 9


## Mirror

*When an area is chosen with one of the selection tools, only the area that was selected is mirrored, even if the selection box appears rectangular.*


### Mirror Horizontally

Use Mirror Horizontally  to mirror the selected part or all of the picture from side to side. If no part of the picture has previously been selected, the whole picture is mirrored as soon as the function is chosen. If part of the picture has been selected, only that area is mirrored.


### Shortcuts

- Paint Tab, Edit: 
- Keys: Alt, D, MH


### Mirror Vertically

Use Mirror Vertically  mirror the selected part or all of the picture from end to end. If no part of the picture has previously been selected, the whole picture is mirrored as soon as the function is chosen. If part of the picture has been selected, only that area is mirrored.


### Shortcuts

- Paint Tab, Edit: 
- Keys: Alt, D, MV

## Delete

Use Delete  to delete the selected part of the picture from the screen. Delete does nothing if part of the picture is not currently selected. Use one of the selection tools to select part of a picture. The deleted area is replaced by the background color.

### Shortcuts

- Paint Tab, Clipboard: 
- Keys: Alt, D, DE

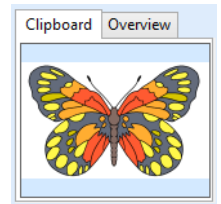
## Cut, Copy and Paste

Once objects have been selected with the selection tools, they can be cut and copied onto the clipboard.


*In the Paint window the part of the picture enclosed by the selection line will be selected.*

### Clipboard Block

When objects are copied they are placed on the Clipboard Block (usually called the clipboard). The selection of objects on the clipboard can be pasted as many times as desired within PREMIER+™ 2 Create.




### Cut


Use Cut  to cut the selected part of the picture to the clipboard, where it can be pasted into the same file or a new picture.

Cutting to the clipboard replaces the contents previously stored there. The area that is cut out is replaced by the background color.

### Shortcuts


- Paint Tab, Clipboard: 
- Keys: Ctrl + X; Alt, D, X

### Copy


Use Copy  to make a copy of the selected part or all of the picture and place it on the clipboard, where it can be pasted into the same file or a new picture.

Copying to the clipboard replaces the contents previously stored there.


### Shortcuts

- Paint Tab, Clipboard: 
- Keys: Ctrl + C; Alt, D, C


## Paste

Use Paste  to place part or all of a picture that has been cut or copied to the clipboard onto the screen. The pasted area appears at the top left hand corner of the screen in a highlighted box, ready to be moved or altered.


### Shortcuts

- Paint Tab, Clipboard: 
- Keys: Ctrl + V; Alt, D, V

## Duplicate


Use Duplicate  to make a copy of the selected part or all of the picture, which is automatically pasted on the work area below and to the right of the original.




### Shortcuts

- Paint Tab, Clipboard: 
- Keys: Alt, D, DU

## Undo and Redo


### Undo

Use Undo  to reverse the last action that has been applied to the picture on the screen, such as moving, deleting or mirroring an area, drawing a line, box or ellipse, or an effect that has been applied. Undo can be used up to 10 times in the Paint window.


*Only actions that change the picture can be reversed using Undo on the Picture window. For example, the Zoom commands and the Rotate , Resize  and Crop  functions in the Paint window also cannot be reversed with Undo.*

*The Undo and Redo steps are reset when a new picture is opened.*

### Shortcuts


- Quick Access Toolbar: 
- Keys: Ctrl + Z; Alt, 7

### Redo

Use Redo  to reverse any actions that have been undone. Redo only works if nothing has happened after the last Undo. For instance, if you draw a line, then Undo and draw a rectangle then it is not possible to Redo the line because something different has happened instead. Redo can be used up to 10 times in the Paint window.

*The Undo and Redo steps are reset when a new picture is opened.*

### Shortcuts

- Quick Access Toolbar: 
- Keys: Ctrl + Y; Alt, 8

Use Image Effects in the Paint window to change the picture and enhance the embroidery that is created; for instance, to make certain features stand out or improve the color representation of the picture. Effects act on the selected part or all of the picture.

## Image Effects

The effect types are:

### Luminosity Effects

- Brightness
- Contrast
- Gamma

### Color Effects

- Saturation
- Hue
- Color Filter

### Blur / Sharpen

- Blur
- Sharpen

### Monochrome

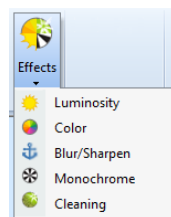
- Threshold

### Cleaning


- Outline Thinner
- Find Outline
- Expander
- Despeckle

## Select an Image Effect

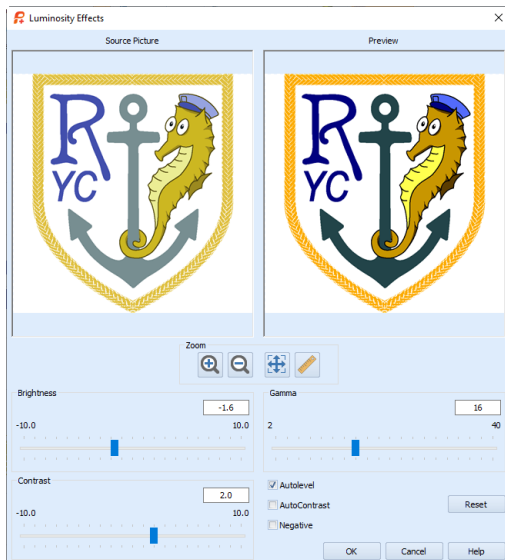
- 1 Click the Effects drop-down arrow and a list of effects appears.
- 2 Click the desired effect type. The effect dialog box opens.
- 3 Adjust the effects until the Preview window at the right appears as desired.
- 4 Click OK and the effects will be applied.




# Luminosity Effects

The Luminosity Effects  page includes the Brightness, Contrast and Gamma sliders, and the Autolevel, AutoContrast, and Negative checkboxes.

*For the best results, combine the use of the Luminosity Effects tools.*



## Shortcuts

- Paint Tab, Effects: 
- Keys: Alt, D, E, L


## Brightness

The Brightness effect makes the selected part or all of a picture lighter or darker than the original. Use it to lighten pictures that are too dark.

Adjust Brightness from -10 to +10 in steps of 0.1. The default setting is 0.

*Adjust Brightness for the whole picture, or use Box Select or another selection tool to choose an area of the picture to change.*

## Change the Brightness of a Picture

- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Luminosity , and the Luminosity Effects page is displayed.
- 3 Adjust the Brightness between -10 and +10 relative to the starting point by typing in a number, using the left and right arrow keys, or by clicking and dragging the slider bar. To brighten the picture, move the slider to the right, use the right arrow key, or type a positive number in the box. To darken the picture, move the slider to the left, use the left arrow key, or type a negative number in the box.
- 4 When the picture in the preview window at the right appears as desired, click OK.


## Contrast

The Contrast effect changes the amount of shading between areas for the selected part or all of a picture. Use it to make specific areas stand out. Adjust Contrast up to +10 or -10 more or less than the original. Increasing the setting will increase the darkness of dark areas and the lightness of light areas.

Adjust Contrast from -10 to +10 in steps of 0.1. The default setting is 0.

*Adjust Contrast for the whole picture, or use Box Select or another select tool to choose an area of the picture to change.*

## Change the Contrast in a Picture

- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Luminosity , and the Luminosity Effects page is displayed.
- 3 Adjust the Contrast between -10 and +10 relative to the starting point by typing in a number, using the left and right arrow keys, or by clicking and dragging the slider bar. To increase, move the slider to the right, use the right arrow key, or type a positive number in the box. To decrease, move the slider to the left, use the left arrow key, or type a negative number in the box.
- 4 When the picture in the preview window at the right appears as desired, click OK.


## Gamma

Use Gamma to adjust the brightness and contrast together so that dark areas are made brighter, but bright areas are not overexposed.

Adjust Gamma from 2 to 40 in steps of 1. The default setting is 10. Lower values will make the picture appear lighter.

*Adjust Gamma for the whole picture, or use Box Select or another select tool to choose an area of the picture to change.*

## Adjust the Gamma in a Picture

- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Luminosity , and the Luminosity Effects page is displayed.
- 3 Adjust the Gamma between 2 and 40 by typing in a number, using the left and right arrow keys, or by clicking and dragging the slider bar. To increase, move the slider to the right, use the right arrow key, or type a positive number in the box. To decrease, move the slider to the left, use the left arrow key, or type a negative number in the box.
- 4 When the picture in the preview window at the right appears as desired, click OK.

## Autolevel

Use Autolevel to adjust brightness and contrast in the picture automatically. Autolevel improves brightness and contrast in most pictures, and can be used to bring out the color in underexposed pictures. Autolevel is enabled by default.

*Occasionally Autolevel does not improve the appearance of a picture, and may need to be switched off.*

## AutoContrast

Use AutoContrast to adjust the contrast between the bright and dark areas in the picture automatically, while retaining the detail. It can be used to sharpen a hazy picture. By default, AutoContrast is not selected.

## Negative



Negative inverts the luminosity of the picture, so that bright areas appear dark, and dark areas bright.



## Reset


Reset the picture back to the original settings.


## Zoom

Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.


Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

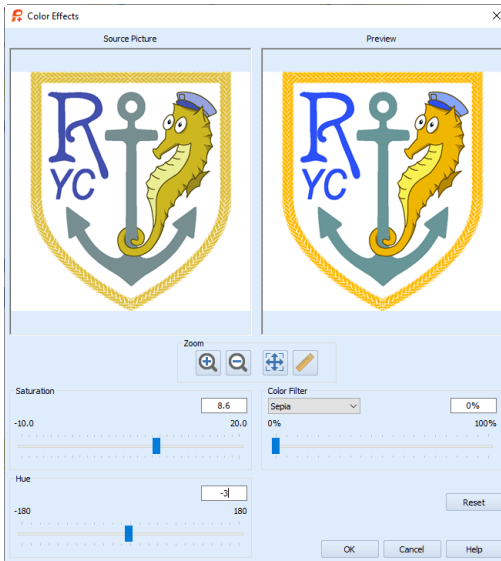
Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.




# Color Effects

The Color Effects  page enables you to adjust saturation and hue, and use color filters on the picture.



## Shortcuts

- Paint Tab, Effects: 
- Keys: Alt, D, E, C


## Saturation

The Saturation effect changes the amount of gray in the selected part or all of a picture. Adjust Saturation between -10 and +20. Increasing the setting enhances the intensity of colors in a picture, for instance, to make pale skin tones appear 'warmer'.

Adjust Saturation from -10 to +20 in steps of 0.1. The default setting is 0.

*Adjust Saturation for the whole picture, or use Box Select or another select tool to choose an area of the picture to change. To turn part or all of a picture completely gray and create a grayscale effect, set saturation to -10.*

## Change the Saturation in a Picture

- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Color , and the Color Effects page is displayed.
- 3 Adjust the Saturation between -10 (completely gray) and +20 relative to the starting point by typing in a number, using the left and right arrow keys, or by clicking and dragging the slider bar. To increase, move the slider to the right, use the right arrow key, or type a positive number in the box. To decrease, move the slider to the left, use the left arrow key, or type a negative number in the box.
- 4 When the picture in the preview window at the right appears as desired, click OK.

# Hue


The Hue effect changes the shades of the colors in the picture. Adjust Hue between -180 and +180.

*A small adjustment can make considerable changes to the color of a picture.*

Adjust Hue from -180 to +180 in steps of 1. The default setting is 0.

*Adjust Hue for the whole picture, or use Box Select or another select tool to choose an area of the picture to change. To tint a picture with a specific color, use a Color Filter.*

## Change the Hue in a Picture

- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Color , and the Color Effects page is displayed.
- 3 Adjust the Hue between -180 and +180 relative to the starting point by typing in a number, using the left and right arrow keys, or by clicking and dragging the slider bar. To increase, move the slider to the right, use the right arrow key, or type a positive number in the box. To decrease, move the slider to the left, use the left arrow key, or type a negative number in the box.
- 4 When the picture in the preview window at the right appears as desired, click OK.

## Color Filter

Tint the picture using the selected color filter. The available picture filters are:


- Sepia (this is the default filter)
- Red
- Yellow
- Green
- Cyan
- Blue
- Magenta
- Spring (green-yellow tones)
- Summer (red-orange tones)
- Fall (brown-gold tones)
- Winter (blue-white tones)

Use the slider to set the intensity of the color tint. The default setting is 0% (no tint). 100% uses only the shades of the selected filter color.

Adjust a Color Filter from 0% to 100% in steps of 1. The default setting is 0%.

*Use a Color Filter for the whole picture, or use Box Select or another select tool to choose an area of the picture to change.*

## Use a Color Filter



- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Color , and the Color Effects page is displayed.
- 3 Select a color filter from the drop-down list.
- 4 Adjust the color tint between 0% (no tint) and 100% (your selected color) relative to the starting point by typing in a number, using the left and right arrow keys, or by clicking and dragging the slider bar. To increase, move the slider to the right, use the right arrow key, or type a positive number in the box. To decrease, move the slider to the left, use the left arrow key, or type a negative number in the box.
- 5 When the picture in the preview window at the right appears as desired, click OK.



## Reset


Reset the picture back to the original settings.


## Zoom

Use the Zoom functions to change the view of the picture.


Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

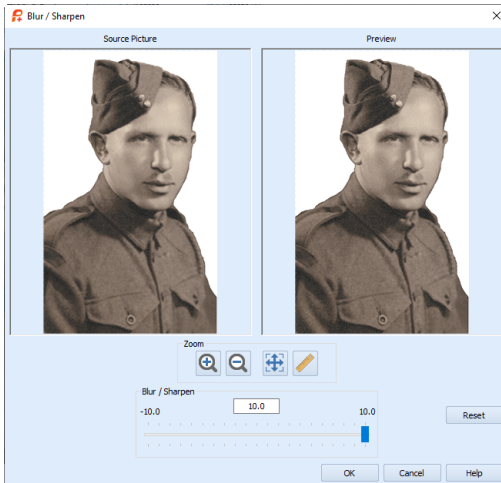
Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Blur / Sharpen


The Blur / Sharpen  effect enhances or blurs the edges between differently colored areas in the selected part or all of a picture, by altering the contrast between pixels adjacent to defined lines and shaded areas. Use the Blur / Sharpen effect to change the focus of a picture.




*Adjust sharpness for the whole picture, or use Box Select or another selection tool to choose an area of the picture to change.*

Adjust Sharpness between -10 and 10 in steps of 0.1. The default setting is 0.0.

### Shortcuts

- Paint Tab, Effects: 
- Keys: Alt, D, E, B

## Blur or Sharpen a Picture



- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Blur / Sharpen , and the Blur / Sharpen dialog box is displayed.
- 3 Adjust the Sharpness between -10 and 10 by typing in a number, using the left and right arrow keys, or by clicking and dragging the slider bar. To sharpen the picture, move the slider to the right, use the right arrow key, or type a positive number in the box. To blur the picture, move the slider to the left, use the left arrow key, or type a negative number in the box.
- 4 When the picture in the preview window at the right appears as desired, click OK.

### Reset



Reset the picture back to the original settings.


## Zoom


Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards,


or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

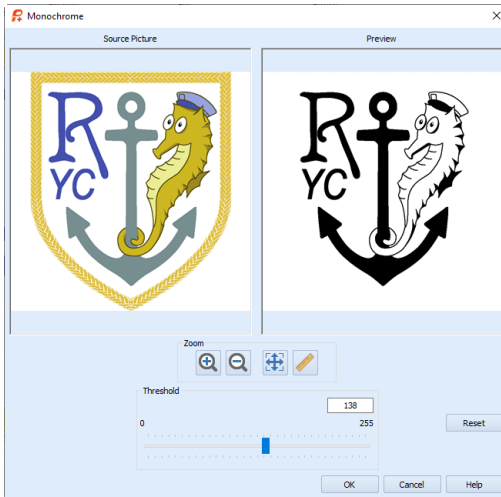
Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

# Monochrome


The Monochrome effect  turns all shades or colors in the selected part or all of a picture into either black or white. It acts on the whole picture, or a selected area. The Monochrome effect is useful to create defined color areas that you can then color with the painting tools for artistic effects.




Adjust the Monochrome Threshold between 0 and 255 in steps of 1. The default setting is 127.

*Use Monochrome on the whole picture, or use a selection tool to choose an area of the picture to change.*

## Shortcuts

- Paint Tab, Effects: 
- Keys: Alt, D, E, M

## Change a Picture to Monochrome



- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Monochrome , and the Monochrome dialog is displayed.
- 3 Adjust the Monochrome Threshold between 0 and 255 by typing in a number, using the left and right arrow keys, or by clicking and dragging the slider bar. To make more of the picture black, move the slider to the right, use the right arrow key, or type a higher number in the box. To make more of the picture white, move the slider to the left, use the left arrow key, or type a lower number in the box.
- 4 When the picture in the preview window at the right appears as desired, click OK.

## Reset



Reset the picture back to the original settings.


## Zoom


Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards,


or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

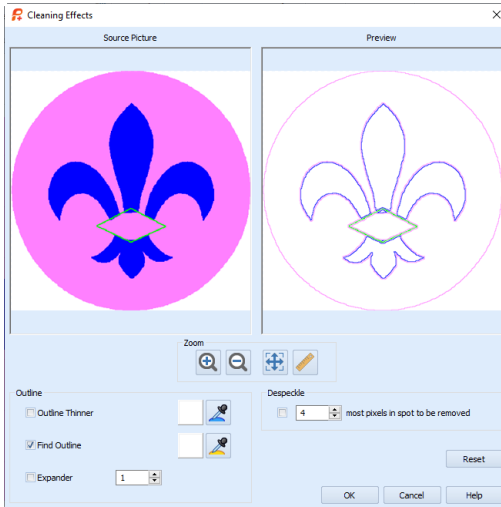
Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.


# Cleaning

The Cleaning effects  are:

- Outline Thinner
- Find Outline
- Expander
- Despeckle






## Shortcuts

- Paint Tab, Effects: 
- Keys: Alt, D, E, N

## Outline Thinner

Use Outline Thinner to reduce the thickness of the selected color area to one pixel only. The new outline will be halfway between the adjoining color areas, as they are widened to allow the selected color to be narrowed. The function works on any continuous color area within the picture, but it is most often used to thin an outline so that there are smaller gaps between areas of the picture. This can produce a more pleasing picture. The thinning process produces a thinner outline that is more suitable for the QuickStitch™ features.

## Reduce the Thickness of an Outline

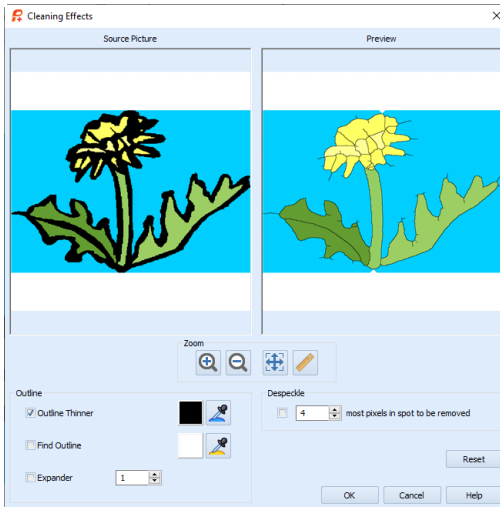
- 1 Click Open Picture  and open ThinEg.bmp from Documents\Premier+2\Samples\Create\Pics. *The black outline around the flower is relatively thick and looks unnatural. Use the Outline Thinner to make the black area narrower.*
- 2 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 3 Click Cleaning , and the Cleaning Effects dialog is displayed. *If you do not select a line color with Pick Color, the current line color will be used. If this color is not used in the picture, the Outline Thinner will have no effect.*
- 4 Use Select Outline  in the Outline area to select the desired line color from the picture.



Be careful where you click when using Select Outline. The color you click on is the color that will be thinned. If you click on a fill area, this area will be thinned and the outline around it will be thickened to compensate. If the changes are not as desired, click Reset and try again.

5 Click the Outline Thinner checkbox.

6 In the preview pane the picture is redrawn with the thickness of the black outline reduced to one pixel. The green and yellow areas have become wider, as has the blue background. The new black outline runs through the center of the old one.





7 When the picture in the preview window at the right appears as desired, click OK. The Outline Thinner tool may not work if your picture has dithering, for example a scanned image or one that has been converted from a JPEG file.



## Reset


Reset the picture back to the original settings.


## Zoom

Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.



Click Zoom To Fit  to fit the picture to the preview area.

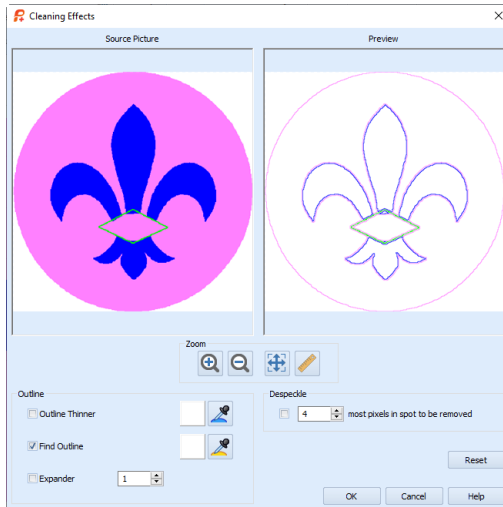
Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Find Outline

Find Outline finds the outlines around color areas in the picture. This may turn solid lines in the picture into paired outlines. The color of the original area is used for the outline, and the area inside each outline is filled with the background color.

### Find the Outline in a Picture

- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Cleaning , and the Cleaning Effects dialog is displayed.
- 3 Use Select Background  in the Outline area to select the desired background color from the picture.  
*Alternatively, select the desired Background color in the Color panel before opening the Cleaning Effects dialog.*
- 4 Select Find Outline by clicking the checkbox. In the preview pane, color areas in the picture will have been turned into outlines.





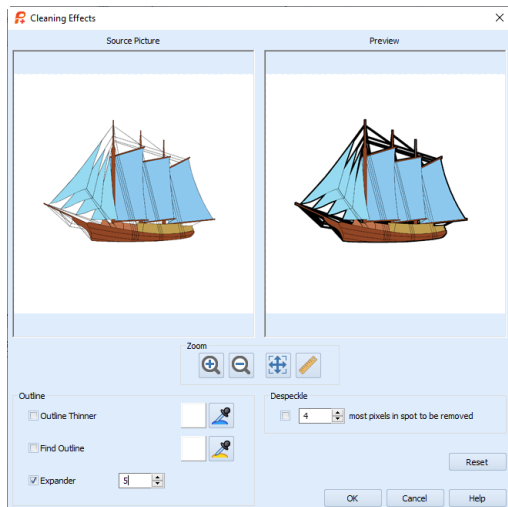
- 5 When the picture in the preview window at the right appears as desired, click OK.

# Expander

Expander increases the width of lines in the picture.

## Expand the Width of Lines in a Picture

- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Cleaning , and the Cleaning Effects dialog is displayed.
- 3 Use Select Background  in the Outline area to select the desired background color from the picture.  
*If the current background color is not used in the picture, the Expander will have no effect.*
- 4 In the Despeckle are, either use the up and down arrows, or enter a number between 1 and 5 representing the width of the line to be used in pixels.
- 5 When the number is as desired, select (check) the Expander checkbox. In the preview pane all parts of the picture, except the background color, will be 1 or more pixel wider on each side (that is, a between 2 and 6 pixels wider). This will make all lines against the background color wider.




- 6 When the picture in the preview window at the right appears as desired, click OK.

## Despeckle

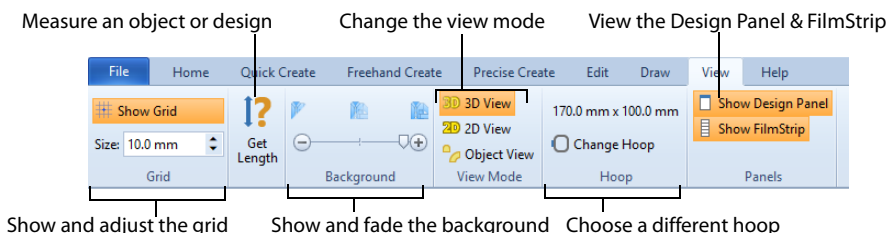
Despeckle removes small spots from the picture anywhere between 1 and 99 pixels in size. The initial setting is 4 pixels.

*It is useful for pictures that have been scanned.*







## Despeckle a Picture

- 1 Click the Effects drop-down arrow in the Paint tab and a list of effects appears.
- 2 Click Cleaning , and the Cleaning Effects dialog is displayed.
- 3 Either use the up and down arrows, or enter a number representing the size in pixels of the largest spot(s) to be removed.
- 4 When the number is as desired, select (check) the Despeckle checkbox. The picture should appear less speckled.  
*If some of the detail that you wish to use to create your embroidery has been removed, click Reset. Then choose a smaller number and select Despeckle again.*
- 5 When the picture in the preview window at the right appears as desired, click OK.

Use the View tab to set how you view the design, background picture, and hoop.

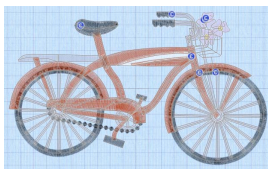


## View Mode

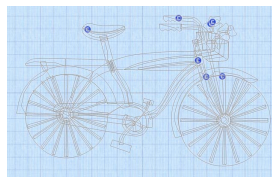
Use View Mode to switch between 3D , 2D , and Object  representation of stitches. 3D View  shows how the embroidery will be stitched out with three-dimensional shading. 2D View  shows the individual stitches with no shading. Stitches using multicolor threads are drawn using only the first color. Object View  shows the outline of the objects in the design.



3D View 




2D View 




Object View 


## 3D View

3D View  shows how the embroidery will be stitched out with three-dimensional shading.


### Shortcuts

- View Tab, View Mode: 
- Keys: Ctrl + T; Alt, V, 3


## 2D View

2D View  shows individual stitches with no shading. Stitches using multicolor threads are drawn using only the first color.


### Shortcuts

- View Tab, View Mode: 
- Keys: Alt, V, 2


## Object View

Object View  shows the outline of the objects in the design.

### Shortcuts

- View Tab, View Mode: 
- Keys: Ctrl + R; Alt, V, O

## Show Grid


Use Show Grid  to turn the background grid on and off. The grid may be used to help align stitch objects and control points.

*The grid size set in the Design window also affects the Paint and Draw windows.*


The grid size is initially set to 10mm. Adjust its Size between 1 and 50mm, depending on what setting is most suitable for your screen resolution and designs. Type in a figure and press ENTER (or use the up and down arrows to change the number). Turn the background grid on or off using Show Grid.

*The grid size is measured in pixels of the background picture, so the apparent grid size will vary according to the dimensions of the picture stored in a design.*

### Shortcuts

- View Tab: 
- Keys: Alt, V, G

## Snap To Grid

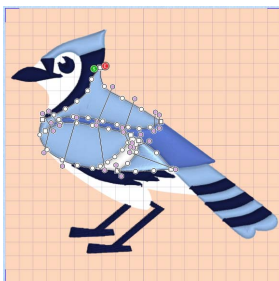
Use Snap to Grid  in the Draw tab to align objects to the Grid lines when they are drawn (Shapes, Polygon Draw) or moved. The grid is initially set at 10mm intervals.


### Shortcuts

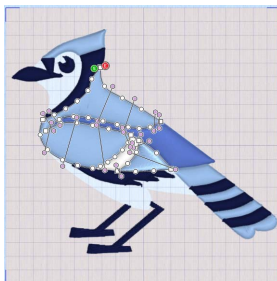
- Keys: Ctrl + . ; Alt, D, N


# Background

Use the Background slider bar to show, fade or hide the background picture in the Design window. Change the view of the background picture to make it easier to see the stitch objects for the design.



Use Background On  to show the picture in the background.



Use Fade  to show the picture in the background with the colors faded by 50%.

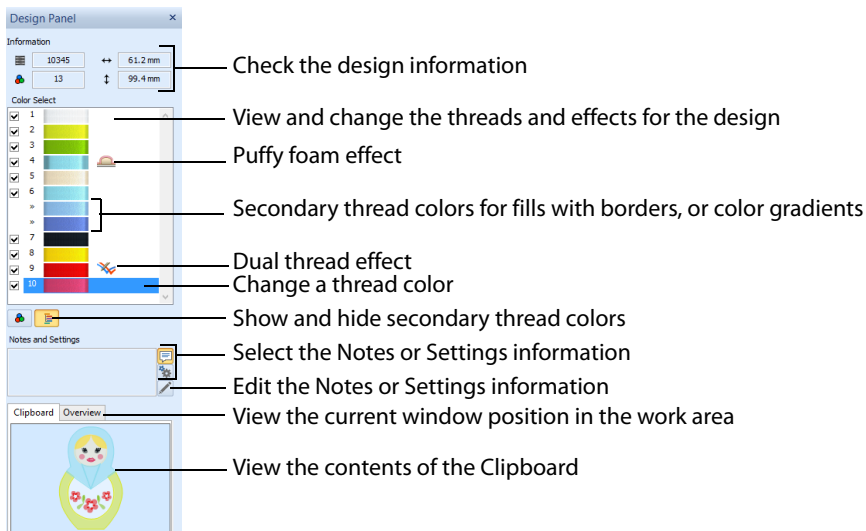


Use Background Off  to hide the picture.

*The display of the picture in the Paint or Draw window is not affected by showing, fading or hiding the background picture in the Design window.*

# Design Panel

Use the Design Panel to view the design information, to view and change colors, to view and change the Notes and Settings, and to view the Clipboard and Overview window.



Design Panel

Information

10345 61.2 mm 99.4 mm

Check the design information

Color Select

1 2 3 4 5 6 7 8 9 10

View and change the threads and effects for the design

Puffy foam effect

Secondary thread colors for fills with borders, or color gradients

Dual thread effect

Change a thread color

Show and hide secondary thread colors

Notes and Settings

Select the Notes or Settings information





Edit the Notes or Settings information


Clipboard Overview

View the current window position in the work area


View the contents of the Clipboard



# Color Change and Pick Color

Use Color Change  and Pick Color  on the Create tabs, or Insert Color Change  in the FilmStrip to select a new thread color for the stitch objects you are about to add to the design. The first Color Change is initially set to medium blue. A Color Change command is shown by a small blue circle with a C .

To change an existing color, double-click the desired color in the color worksheet on the Design Panel, or select the color in the worksheet and click Change Color .

Alternatively, right-click the color in the FilmStrip and select Properties. The Color Selection dialog box opens.




To delete a color change, select the Color Change in the FilmStrip or on the work area, then click the Delete icon , use the Delete key, or right-click in the FilmStrip and select Delete. The first Color Change in a design may not be deleted.

To insert a color, select the object after which the color change is desired, and click Color Change  on one of the Create tabs, or right-click in the FilmStrip and select Insert Color Change from the context menu. Alternatively, select Pick Color  and choose a color from the background picture.

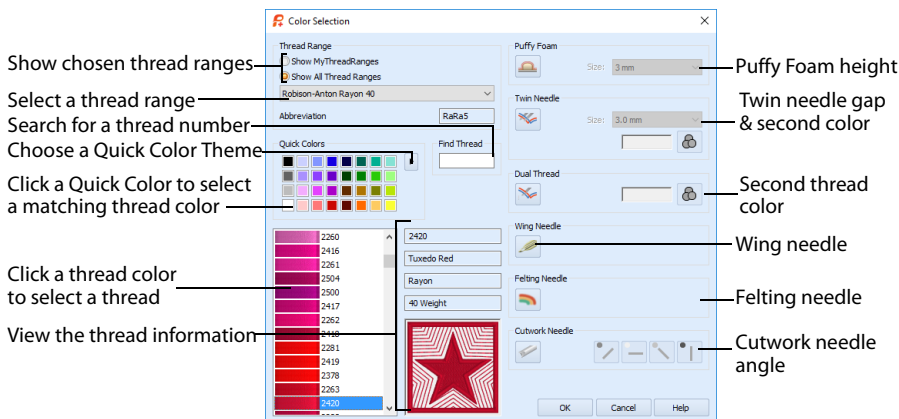
Select a color from the Color Selection box that appears. You may choose any thread shade from the available thread manufacturers' palettes (for instance, Sulky Rayon 40 or Robison-Anton Cotton 50) or a thread you have added to MyThreads. Select colors by visual selection or by typing in a shade number. Alternatively you can choose a 'Quick Color' Theme and then select one of the 32 Quick Colors. See "Quick Color Themes" on page 275. Optionally, add a thread or needle effect to the selected thread. Once the desired color is selected, click OK.

Extra design property colors for some objects can be set in the properties dialog for that object, for example multigradient fills and the border for a fill area. They then appear as secondary colors in the color worksheet, and can be adjusted from there. See "Secondary Colors" on page 201.

## Color Selection

The Color Selection dialog box appears when you click Add Color Change , right-click a color change marker , or right-click an object in the FilmStrip and select Insert Color Change. Alternatively, on the Design Panel select a color in the worksheet and click Color Change , or double-click a color in the color worksheet.






You may choose any thread shade from the available thread manufacturers' palettes (for instance, Robison-Anton Rayon 40 or Sulky Cotton 30) or a thread you have added to MyThreads. Select colors by visual selection or by typing in a shade number. Alternatively, click one of the Quick Colors to select the nearest matching thread color. Once the desired color is selected, click OK.



When you select a new thread color, the color worksheet will show the change and the work area will show the block of stitches in the new color.

To keep the full color information including thread shade numbers, export your embroideries as file type .vp4.

## Using the Color Selection Dialog







- 1 On the Design Panel, select a thread color and click Color Change . Alternatively, on one of the Create tabs, click Color Change  or pick a Quick Color. Alternatively, click Pick Color , and the pointer changes to an eyedropper . Click the desired color area in the picture, and the Color Selection dialog box opens with the selected color displayed.  
*The Color Selection dialog box also appears when you double-click a color in the color worksheet, when you right-click with a color change marker  selected, or when you right-click a color in the FilmStrip and select Properties.*
- 2 If required, change the thread range. Select the desired thread range from all thread ranges or only MyThreadRanges. The available shades for the thread range will be shown in the list.  
*The Abbreviation shows the reference used for the thread range when threads from that range are added to MyThreads.*
- 3 Click a color in the list to select a thread shade visually. Use the scroll bar to browse through the list of threads.
- 4 If you know the shade number, click in the Find Thread box then type the required shade number.



- 5 Alternatively, choose a Quick Color Theme then click the desired Quick Color. The nearest shade that is available from the current thread range will be selected. This is also a quick way to jump to threads of that color (for example, click light yellow in the Standard Theme to jump to light yellow thread shades).
- 6 If desired, add a thread or needle effect. Then click OK to confirm the color selection. The dialog box closes, and your changes are displayed in the work area.

## Effects

Use the Effects area of the Color Selection dialog box to show the results of using thread effects or special needles.

	Puffy Foam	Show the effect of stitching over embroidery foam
	Dual Thread	Show the effect of using two threads in one needle
	Twin Needle	Show the effect of using a twin needle
	Wing Needle	Show the effect of using a wing needle for hemstitch or heirloom designs
	Felting Needle	Show the effect of using a felting needle with a roving fiber
	Cutwork Needle	Select a cutwork needle in one of four angles

*Only one thread effect can be used on any thread.*

Choose an effect. If you choose Puffy Foam, set the foam height. If you choose Twin Needle, set the Twin Needle size. Click the color icon for the Second Color if you wish to use a different thread color. For Dual Thread, it is recommended to change the Second Color. For Twin Needle, this choice depends on the desired result. For Felting Needle select a color for the roving fiber for felting. For Cutwork Needle, choose the angle for your needles.

### Puffy Foam

Use Puffy Foam to show the three-dimensional effect of stitching over embroidery foam.

Click the drop-down arrow and select the height of the puffy foam, between 2.0mm and 6.0mm. The height is initially set to 3.0mm.

### Dual Thread

Use Dual Thread to show the effects of stitching out two threads through the same needle. This is particularly suited to blending threads for special effects, such as mixing a rayon thread with a metallic thread, as in the center of the star.



## Twin Needle

Use Twin Needle to show the effect of stitching out the color block with a twin needle. This creates a horizontal offset between the original thread color in the left-hand needle, and a second thread color in the right-hand needle.

There are several ways that the Twin Needle effect can be used, including:

- Use with running stitch to create a ribbon effect, typically using the same thread color in both needles
- Use with a low density fill area to blend two different thread colors and also have a lightly shadowed effect
- Use with a dense fill area to create a shadow effect


*It is recommended to use natural hoop orientation for designs with Twin Needle colors.*

## Twin Needle Size


This is only available if the Twin Needle effect is selected for the current color block. Click the drop-down arrow and select the size of the gap between the twin needles. This is initially set to 3.0mm.

Preview the effect of changing the twin needle size to help decide which needles to buy. Ensure that the desired size is recommended for embroidery on your machine.

## Second Color

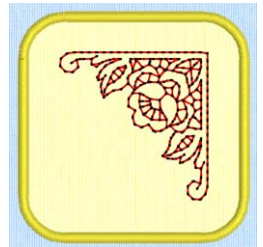
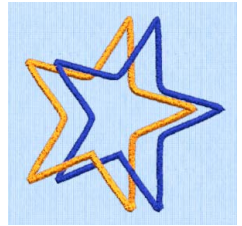
The second color is initially set to the same color as the original color block. Click the color change button  to choose a different thread for the second color. The Color Selection dialog box appears. Select the desired thread and click OK. The thread sample will change, and the thread range and thread number are shown.

## Wing Needle


Use Wing Needle  to show the effect of stitching out the color block with a wing needle and the chosen thread.

The wing needle creates holes in the fabric, for hemstitch and other heirloom techniques.

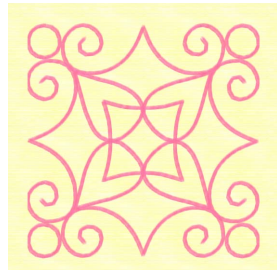
*To see the holes more than the stitch, use a fine thread such as Poly 60 weight. To see the actual stitching, Rayon 40 weight is ideal.*



## Felting Needle

Use Felting Needle  to show the effect of embellishing the selected color block using a felting needle and a contrasting roving fiber.


Choose a color for the roving fiber for the felting in the Color Selection dialog box. In projects without a roving fiber, choose a felting needle color similar to the back of the fabric.



*If a system font or SuperDesign with Felting Needles is inserted, or if you select Felting Needle in PREMIER+™ 2 Create, the stitching will be adjusted using the settings in Preferences. By default, stitching using the Felting Needle color effect is broken up into very short stitches of 0.4mm. In other modules the effect is purely visual; for example, to see how felting will look in a pre-made design.*

*When Exporting an embroidery with a Felting Needle effect, the option "Flip design for felting or reverse embroidery" is initially selected in the Export dialog box. See "Export" on page 226.*

## Cutwork Needle

Use Cutwork Needle  to show the line that would be used by cutwork needles to automatically cut holes in your fabric areas, or create appliqué areas. Use cutwork needle lines for reverse appliqué embroideries and free-standing lace, or simply to cut out a shape or design.

Choose the cutting angle for the cutwork needle.

(When creating cutwork needle lines in PREMIER+™ 2

Create or PREMIER+™ 2 Modify, or converting running lines to cutwork needle lines in any PREMIER+™ 2 module, you may use two needles, or for more precise work use four needles.)



## Show and Hide Objects

Use the color worksheet in the Design Panel, and the Hide Object Types filter buttons in the Edit tab to show and hide the desired blocks of colors and object types in the design. You can also use the Draw Range slider bars on the Edit tab and the FilmStrip to change the view of the design.

Use any combination of color block display, object filters, draw range and FilmStrip options to hide objects. Hiding objects leaves the visible objects available for other functions without affecting the hidden objects. Use this to help when you need to select a particular set of objects that might be difficult to isolate directly with the Select functions. For example, you may wish to change the pattern in all fill areas of one type using Global Properties, or select a number of objects to copy them.

# Color Worksheet

The thread colors are shown in the color worksheet on the Design Panel, in the order in which they are used.

The objects using a particular thread color are called a color block. The color worksheet can be used to change thread colors and to hide and show the

objects in any of the color blocks. Displaying the objects according to their color is an easy method of showing sections of a design. The functions for viewing objects by color are on the Edit tab.

*When you pause the arrow pointer over a thread color in the worksheet, the corresponding objects in the embroidery are highlighted. Also, a popup description of the thread color appears.*

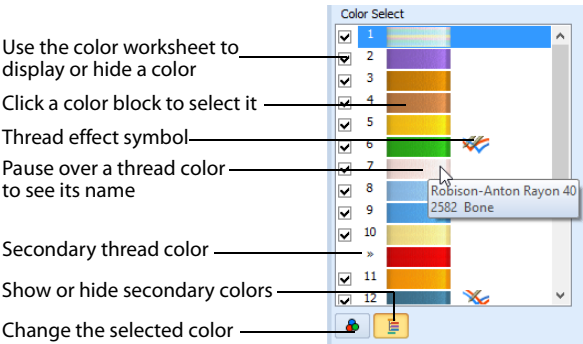
If you have set a Draw Range, then only the objects in the color blocks that are visible within the range will be displayed. Similarly, any objects hidden by object filters are hidden even if the color is visible.

The first color in the design is at the top of the list, followed by all the thread color blocks. The check boxes show which color blocks are hidden. The numbers show the order in which the colors are used, and the samples show solid blocks of each thread color in 3D.

Click a thread sample to access the Color Selection dialog box for selecting a different thread color, or adding a thread effect. Click a check box to show or hide a color block, together with any secondary colors, for example the other colors in a multigradient object. When a color is hidden, its check box in the Color Worksheet is not selected, as shown here:

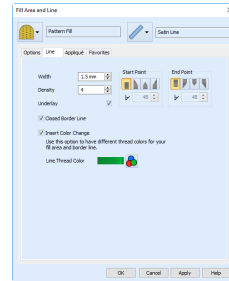
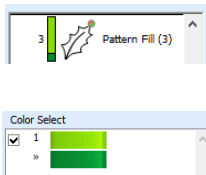
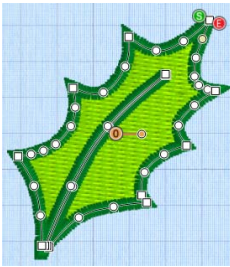


The number of color blocks shown in the color worksheet varies with the size of the window. If there are many colors, use the scroll bar to see the desired section of the list.



## Secondary Colors


Extra design property colors for some objects are set in the properties dialog for that object, for example multigradient fills and the border for a fill area. They then appear as secondary colors in the color worksheet, and can be adjusted from there.

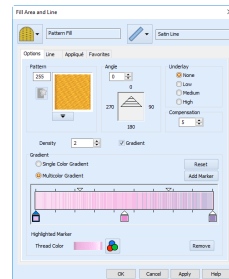
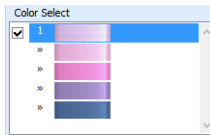
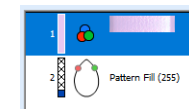
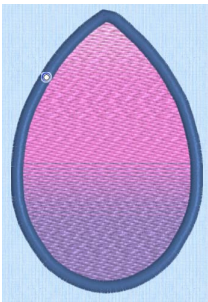


Pattern Fill with a border

The FilmStrip and worksheet show both colors

Set a separate border color in the Line tab of the Properties dialog

A multicolor gradient fill or satin column will show a hatched pattern in the FilmStrip. To view these colors in the worksheet, ensure that Design Property Colors  below the color worksheet in the Design Panel on the right of the Design window is selected.









Multigradient Pattern Fill with a border

The FilmStrip and worksheet show all colors


Set the colors for the multigradient fill in the Properties dialog

## Display Range


The Display Range functions on the Edit tab are used to hide and show the objects in the design by color block sequence.

The Display Range functions are: Draw Previous Color Block , Draw Next Color Block , Display All Objects , the Draw Range, Only Selected , Only from Start  and Only To End .


### Draw Previous Color Block

Use Draw Previous Color Block  to step through the color blocks in reverse order.


## Shortcuts

- Edit Tab: 
- Keys: Alt, E, P


## Draw Next Color Block

Use Draw Next Color Block  to step through the color blocks one at a time.

## Shortcuts

- Edit Tab: 
- Keys: Alt, E, N

## Display All Objects

Use Display All Objects  to display all objects and commands in the design.

## Shortcuts

- Edit Tab: 
- Keys: Alt, E, A; Right-click FilmStrip, A


## Draw Range

The Draw Range is set with the Start and End slider bars, which determine the range of visible objects. Each step when you click a + or - button is one distinct object or command, similar to stepping through objects with the arrow keys.



Use the Draw Range to isolate objects that you want to select with Select All Visible. Also, for complex designs, use the Draw Range to make objects easier to select when changing their properties. For instance, you could isolate a fill area so that it is easier to click, and then right-click to change its pattern in the Fill Properties.

Changes in the Draw Range are matched by the range of visible objects in the FilmStrip. Similarly, using Display Only Selected, Display Only From Start and Display Only To End on the FilmStrip context menu will automatically change the slider bar positions. The Draw Range sliders also help to show which part of the design is visible when the FilmStrip is used to hide objects.

Display All Objects on the FilmStrip context menu and Display All Objects  both reset the Draw Range to show all objects.

Also, turn off colors and object types with the color worksheet and object filters to hide or show almost any set of objects in combination with the Draw Range. For instance, you can hide any alignment stitches that you place, so that you never adjust part of the design by accident.

The upper slider bar sets the first object at the Start of the visible objects. The lower slider bar sets the End object. Use the Draw Range to set the Start or End object in any of the following ways:

- 1 Click and drag the slider box along the slider bar.



- 2 Click the plus or minus at the ends of the slider bar to progress by one object at a time. Click and hold to progress more rapidly.





- 3 Click in the space on the slider bar on either side of the slider box to move in that direction and jump through the objects rapidly. You can also click and hold, but the slider box will stop when it reaches the arrow pointer.



In all cases, the work area will show the range of objects as the Start or End object changes.

*When you set a Draw Range, only the objects in the color blocks that are visible within the range will be displayed.*


## Only Selected

Use Only Selected  to show only the currently selected object. Use this if you wish to isolate a single object. For example, once the object is isolated, you can easily select it with Select All Visible  to move, resize, flip and rotate the object.

## Shortcuts

- Edit Tab: 
- Keys: Alt, E, Y; Right-click FilmStrip, S


## Only From Start

Use Only from Start  to show only the currently visible objects from the start to the selected object. That is, hide all objects after the selected object.

## Shortcuts

- Edit Tab: 
- Keys: Alt, E, S; Right-click FilmStrip, F

## Only To End

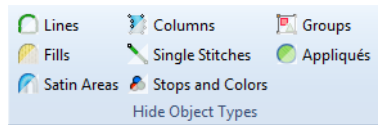
Use Only To End  to show only the currently visible objects from the selected object to the end of the design. That is, hide all objects before the selected object.









## Shortcuts

- Edit Tab: 
- Keys: Alt, E, E; Right-click FilmStrip, E

# Hide Object Types


The Hide Object Types (filter) buttons are used to hide and show the objects in the design according to the type of object and/or by color block sequence. When a filter is used to hide objects, the objects are hidden in the work area and the FilmStrip.




The filters are: Lines , Fills , Satin Areas , Columns , Single Stitches , Stops and Colors , Groups  and Appliqués .

*If there are no objects of the relevant type in the design, or they are all already hidden by other means, the filter button cannot be clicked down.*

## Lines

Use the Lines filter  to hide and show Running, Double and Triple Stitches, Motif Lines and Tapered Motifs.


### Shortcuts

- Edit Tab, Hide Object Types: 
- Keys: Alt, E, HL

## Fills

Use the Fills filter  to hide and show all Fill Area types, including any border lines around fill areas.


### Shortcuts

- Edit Tab, Hide Object Types: 
- Keys: Alt, E, HF


## Satin Areas

Use the Satin Areas filter  to hide and show Satin Areas.

### Shortcuts


- Edit Tab, Hide Object Types: 
- Keys: Alt, E, HA

## Columns

Use the Columns filter  to hide and show Satin Column, Richelieu Bars, Feather Satin and Satin Lines.


*The Columns filter will hide any fill areas with a satin border.*

### Shortcuts


- Edit Tab, Hide Object Types: 
- Keys: Alt, E, HC




## Single Stitches

Use the Single Stitches filter  to hide and show Single and Alignment Stitches in the design. Single Stitches are generally used for traveling stitches within the design, and for underlay. They often do not affect the appearance of a design, so you may find it useful to hide them.


### Shortcuts

- Edit Tab, Hide Object Types: 
- Keys: Alt, E, HS


## Stops and Colors

Use the Stops and Colors filter  to hide and show Color Changes and Stops.


### Shortcuts

- Edit Tab, Hide Object Types: 
- Keys: Alt, E, HP


## Groups

Use the Groups filter  to hide and show Groups.


### Shortcuts

- Edit Tab, Hide Object Types: 
- Keys: Alt, E, HG

## Appliqués

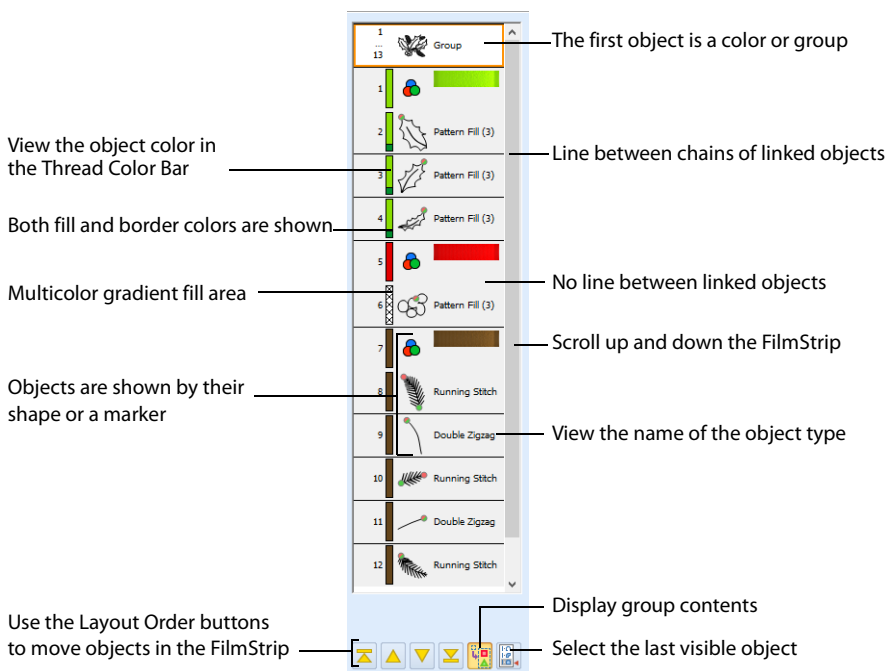
Use the Appliqués filter  to hide and show Appliqué areas.

### Shortcuts

- Edit Tab, Hide Object Types: 
- Keys: Alt, E, HQ

# FilmStrip

Use the FilmStrip to view the numbered sequence of objects, select an object, change the sequence of objects, select objects to display, delete objects, insert Color Changes and Stops, view the properties of the selected object and change the properties of objects globally or in a selection.



*When you pause the arrow pointer over an object or group in the FilmStrip, the corresponding object outline(s) are highlighted in the work area.*

## FilmStrip Items

Starting at the top, the FilmStrip shows the numbered sequence of objects in the design. When all objects are visible, the first object at the top of the list is a Color, or a Group starting with a Color, then any other objects that make up the design.

The last object in the design is at the bottom of the list, together with the Layout Order and display functions. The currently selected object is also highlighted in the FilmStrip, and objects can be selected directly in the FilmStrip.


When objects are hidden, using the color worksheet, object filters, slider bars or FilmStrip options, they are also hidden in the FilmStrip.

Each item in the FilmStrip shows four pieces of information: the number, color, object and object type.

*For Pattern Fill, the fill number is also shown.*

## Thread Color Bar

The color bar shows the color of each object, together with an icon representing any thread effect, even when the Color Changes are hidden.

*A fill area with a differently colored border will show two colors. A multicolor gradient fill or satin column will show a hatched pattern. To view these colors in the worksheet, ensure that Design Property Colors below the color worksheet in the Design Panel on the right of the Design window is selected.* 

## Object

Each object is represented graphically. Markers are shown for Colors and Stops. A Color Change also shows a thread sample. Alignment stitches show the type of stitch. All other object types show the shape of the objects as black outlines.

## Object Type

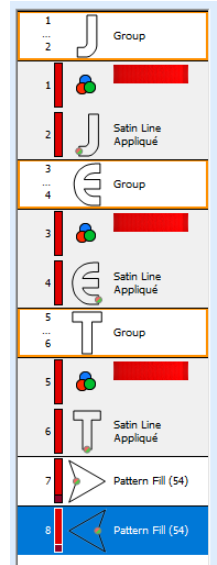
The name of the object type is shown.


## Scroll Bar

Use the scroll bar to move rapidly up and down the FilmStrip.

## Showing Groups in the FilmStrip


Groups are shown in the FilmStrip with an orange header. The Group header is a solid orange block when selected, and an orange outline when not selected. The objects within the group have a pale gray background in the FilmStrip, as opposed to the white background for objects that are not part of a group. When the header for a group is selected, all other items in the group are also selected, and are highlighted.



Use Display Group Contents  to view the objects within groups in the Filmstrip.

## Select Objects in the FilmStrip

Until an object is deliberately selected, the last visible object is selected automatically in the work area. To select the desired object, click it in the FilmStrip. It is also selected on the work area. If necessary, use the scroll bar on the side of the FilmStrip so that you can see the desired object in the FilmStrip. Also, when you click an object on the work area, the object is highlighted in the FilmStrip.

*If you have zoomed in, the selected object may not be shown on the visible part of the design. To see the object, either Zoom To Fit  or use the scroll bars on the edges of the work area.*

*Only visible objects may be selected. If the view is changed so that the selected object is no longer visible, the last visible object is selected automatically.*

To select a sequence of objects, click the first object and hold the Shift key. Then select the last object in the sequence.

To make a custom selection of objects, click the first object, then hold the Ctrl key and click each of the other desired objects in turn. You can also add objects to a sequence in this way.

## Change the Sequence of Objects

Single objects or a selection of objects may be moved up and down the FilmStrip with click and drag. This changes the order of the objects, and hence changes the order in which the stitches are created for the final embroidery.

To move an object, click and drag the desired object up or down the FilmStrip. A bar moves up and down the list to show the new list position. Release to drop the object at the desired point. Movement stitches are automatically inserted or removed as needed.

To move a selection of objects up or down the FilmStrip, hold the Ctrl key and click one of your selected objects. A bar will show where the objects can be inserted in the FilmStrip. Move the bar up or down the FilmStrip to the desired insertion point. To insert the objects, release the mouse button.

*If objects are dragged or inserted between two items in a group they will become part of that group, except if they are inserted immediately after the group header. To insert at the beginning of the group, drag into the middle, then move up.*

If desired, use the color worksheet and Hide Object Types buttons to hide other objects. This can make it quicker to move the desired object.

*Hidden objects will not be moved.*

To move to a part of the list that is not visible, move the pointer above the top or below the bottom of the list and the list will scroll automatically. To scroll faster, move the pointer further above or below the list. Move the pointer back into the list to stop scrolling.

*Moving the pointer onto the scroll bar has no effect when dragging an object up or down the FilmStrip.* Moving an object up and down the FilmStrip does not change the position of the object on the work area. However, it may change the appearance of the design according to whether or not it changes the overlap with adjacent objects.

*The first visible object may not be moved in the FilmStrip. Also, objects may not be moved above the first visible object in the FilmStrip. This ensures that, when it is visible, the initial color change in the design cannot be moved and nothing can be moved before it.*

## Layout Order

The Layout Order buttons are used to move objects within the FilmStrip.

*You can also select multiple objects in the work area with Select Last Visible. See "Select Last Visible" on page 403.*


### Move Forwards

Move Forwards  brings the object one step down the FilmStrip.

### Shortcuts

- FilmStrip: 
- Keys: Ctrl + [; Right-click FilmStrip, L, F


### Move Backwards

Move Backwards  brings the object one step up the FilmStrip.


## Shortcuts

- FilmStrip: 
- Keys: Ctrl + J; Right-click FilmStrip, L, B


## Move to Front

Move to Front  places the object at the bottom of the FilmStrip or Group.


## Shortcuts

- FilmStrip: 
- Keys: Ctrl + Shift + J; Right-click FilmStrip, L, N

## Move to Back

Move to Back  places the object at the top of the FilmStrip or Group.

## Shortcuts



- FilmStrip: 
- Keys: Ctrl + Shift + J; Right-click FilmStrip, L, C

## FilmStrip Options


Right-click on an individual item in the FilmStrip to see a menu of options relating to the currently selected object.

*Alternatively, use the Edit tab.*


## Display Only Selected

Use Display Only Selected  to show only the currently selected object or group of objects. (It will show all objects between any that are selected.) Use this if you wish to isolate a single object. For example, once the object is isolated, you can easily select it with Select All Visible  to move, resize, flip and rotate the object.

## Display Only From Start


Use Display Only from Start  to show only the currently visible objects from the start to the selected object. That is, hide all objects after the selected object.

## Display Only To End

Use Only To End  to show only the currently visible objects from the selected object to the end of the design. That is, hide all objects before the selected object.

## Display All Objects

Display all objects and commands in the design.

Use Display Group Contents  to switch between viewing the objects within Groups in the FilmStrip, and seeing only the Group heading rows in the FilmStrip. See “Display Group Contents” on page 392.

## Cut

Cut the selected object(s) and place on the clipboard.

## Copy

Copy the selected object(s) to the clipboard.

## Paste

Paste the object(s) on the clipboard back into the design.

## Duplicate

Make a copy of the selected object(s) which is automatically pasted into the work area.

## Delete

Delete the selected object(s) from the design.

## Insert Color Change

Insert a Color Change after the currently selected object. The Color Selection dialog box appears so you can choose the new color.

*PREMIER+™ 2 Create remembers the last thread color added to the design. This thread color will be initially selected in the Color Selection dialog box.*

## Insert Stop

Insert a Stop command after the currently selected object.

## Group

Group the selected objects together.

## Ungroup

Split the currently selected group into the objects which make it up.

## Select Similar from Visible

Select all visible objects with similar properties.

## Select Similar from Group

Select all objects with similar properties that are in the same Group.

## Properties

Show the properties dialog box for the selected object. This is the same as using right-click on the work area.

## Global Properties

Show the properties dialog box for the selected object. When the settings in the dialog box are confirmed with the OK button, all visible objects of the same type will also have their properties changed to match the settings.

## Layout Order


Use Move Forwards and Move Backwards to move an object one step up or down the FilmStrip, and use Move to Front and Move To Back to move an object to the bottom or top of the FilmStrip or Group.

## FilmStrip Options for Multiple Selected Objects

Select several objects of the same type in the Filmstrip and right-click on one of them to see a menu of options relating to multiple selected objects. The options displayed are: Display Only Selected, Display Only From Start, Display Only To End, Display All Objects, Cut, Copy, Paste, Duplicate, Delete, Group, Ungroup, Properties and Layout Order.

### Display Functions

Use the Display functions to display the objects selected in the FilmStrip. You can then further refine your selection.

Use *Display Group Contents*  to switch between viewing the objects within Groups in the FilmStrip, and seeing only the Group heading rows in the FilmStrip. See “Display Group Contents” on page 392.

### Properties




Show the properties dialog box for the selected object type. From here you can change all objects of the currently selected type in your selection. To select an object type, click the FilmStrip and check your selection in the Status bar.

*All objects of the selected type will be modified, including any previously customized.*

### Layout Order

Use Move Forwards and Move Backwards to move the selected objects one step up or down the FilmStrip, and use Move to Front and Move To Back to move the selected objects to the bottom or top of the FilmStrip or Group.


## Get Length

Use Get Length  to measure the distance between any two points on the work area. Click the Get Length icon  and the mouse pointer changes to the Measure pointer . Then click and drag a line across the design. The length of the line is displayed.



For example, use this to obtain the width of a picture or design, or the distance between two sections.

*The length is shown in millimeters or inches, according to the setting for Show Measurements in PREMIER+™ 2 Configure. The alternative units are shown in parentheses.*

### Shortcuts

- View Tab: 
- Keys: Alt, V, L


## Measure a Distance with Get Length

- 1 In the View tab, click the Get Length  icon. The pointer changes to the measure pointer .
- 2 Click and drag across the part of the design you want to measure. A line will show the length you are measuring, and a tooltip displays the distance.  
*If desired, make a note of the number.*
- 3 Repeat the click and drag to measure any other distances, as required.
- 4 Right-click to deselect the function.

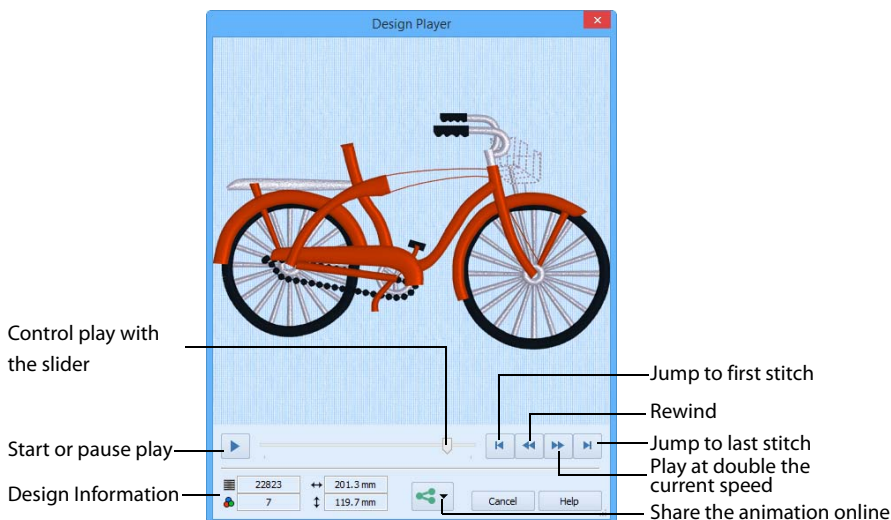




# Design Player






Use Design Player  to play through the stitches in the design as if they were being stitched from an exported embroidery. All parts of the embroidery that are within the hoop area are shown, whether or not they are selected.

The current Optimize for Sewing settings from PREMIER+™ 2 Configure are used.




*The Design Player will not open if part of the design is outside the hoop.*






## Share

Use Share  to save or share a still picture or video of your design. Share over Facebook® , Flickr® , Twitter®  and YouTube® . See “Share Picture” on page 216 and “Share Video” on page 217.



## Shortcuts

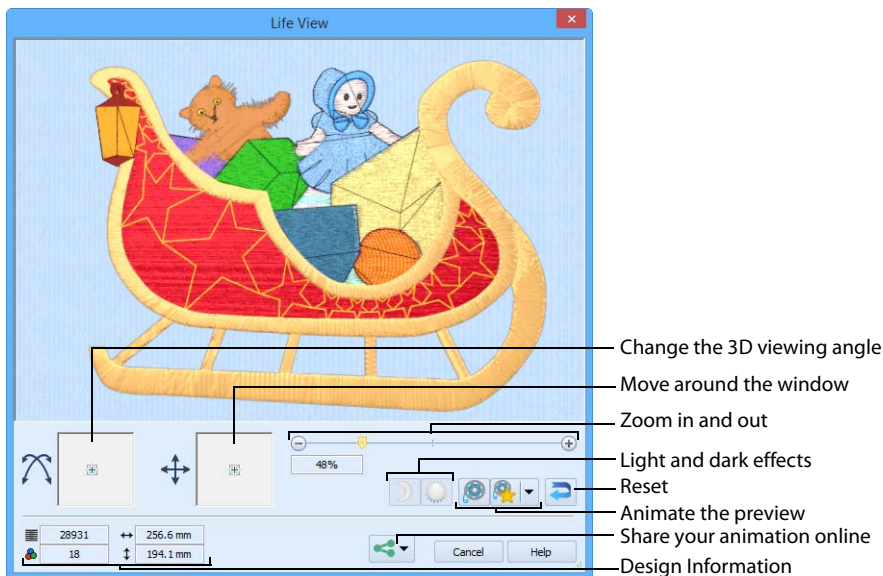
- Quick Access Toolbar or Home Tab: 
- Keys: Ctrl + J; Alt, O; Alt, H, J

## Using the Design Player

- 1 Click File, New , or File, New Window  and the Choose Design Type page of the ExpressDesign Wizard will appear.
- 2 Select the Load Existing Design option, then click Next and the Open Existing Design page will appear.
- 3 Click Load a Design , and in the Open dialog box browse to the folder Documents\Premier+2\Samples\Create\Edo, select the design 'Bicycle.edo', and click Open.
- 4 Click Finish to load the design onto the work area.
- 5 Click Design Player .  
The Design Player dialog opens.
- 6 Use the Play button  at the bottom left to start playing through the stitches in the design.
- 7 Use the controls to play forwards or backwards through the embroidery at different speeds, jump to the start or end of the stitches, and stop at any time.


# Life View

Use Life View  to show how an embroidery exported from the project will look. Use Life View  at any time when you want to see the design with no objects selected in 3D with real-world perspective, and when you want to see the effects of glow in the dark and solar reactive threads. Zoom in to see detail, and move and rotate the embroidery in a three-dimensional view.




*Life View will not open if part of the embroidery is outside the hoop.*

## Shortcuts

- Quick Access Toolbar or Home Tab: 
- Keys: Ctrl + L; Alt 9; Alt, H, L

## Position

Use the position  slider to move to another part of the Life View window.

Click and drag the cross marker in the center of the box to view the desired part of the embroidery, using the zoom slider to control the magnification.

## Rotation

Use the rotation  slider to view the stitching in the embroidery in 3D.

Click and drag the cross marker in the center of the box to change the angle at which the embroidery is viewed, and allow you to visualize the project in varying real-world views.

*Alternatively, click and drag directly in the embroidery preview area to change the angle of view. Use the zoom and position sliders to select the part of the embroidery to view.*

## Zoom

Use the zoom slider to change the magnification of the embroidery.

Drag the slider bar to the right to magnify the view of the embroidery, and to the left to shrink the view of the embroidery. The box below the zoom bar displays the current magnification.

Click the marker in the center of the zoom bar (100%) to view the embroidery at a magnification as close as possible to the Real Size setting you chose in PREMIER+™ 2 Configure.

*When zoomed in, use the position slider to move around the embroidery.*

## Design Information

Life View shows the dimensions (Width ↔ and Height ↑↓), the number of stitches ■ and the number of colors 🌈 in the embroidery.

## Glow in the Dark

Use Glow in the Dark 🌙 to view the effect of using glow in the dark threads. The preview will darken to simulate the lights dimming, and the glow in the dark threads will be shown in their luminescent colors.

*Glow in the Dark 🌙 is only available if glow in the dark thread colors are used in the design.*



## Solar Reactive

Use Solar Reactive ☀️ to view the effect of using photochromic threads. The preview simulates the sun shining on the design, and the photochromic threads change shade to show the colors they become in sunlight.




Photochromic threads change color in sunlight.

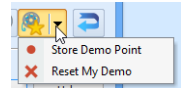
*Solar Reactive ☀️ is only available if photochromic thread colors are used in the design.*

## Play Demo

Use Play Demo 🎬 to animate the preview and show the embroidery at different angles automatically. Click to start and stop the animation.

## Play My Demo

Use Play My Demo  to animate the preview using your own demo. Use the menu options to add the current position as a point in the demo, or reset to create a new demo.




The My Demo animation will be used for Life View in all modules. It is stored in the AnimationPath.txt file in the folder:






\User\AppData\Local\VSMSSoftware\Premier+2\LifeView

*Copy this file to another location as a backup before creating additional My Demo animation paths for Life View.*

## Reset

Use Reset  to set Rotation, Position and Zoom back to the default settings.

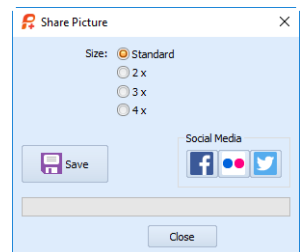
## Share

Use Share  to save or share a still picture or video of your design. Share over Facebook® , Flickr® , Twitter®  and YouTube® . See “Share Picture” on page 216 and “Share Video” on page 217.

## Share Picture

Save or share a picture of your design. Share over Facebook® , Flickr®  or Twitter® .


Select a size for the picture, then save the picture to your computer or share it over Facebook®, Twitter® or Flickr®. A progress bar shows during the upload.

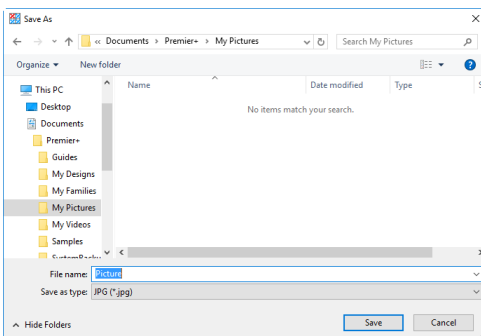


## Size

Select a size for your picture. Choose from Standard, 2x, 3x, and 4x. Standard size is the size of the picture in Design Player or Life View.

## Save

Click Save  to save the picture to your computer. The Save As dialog appears for you to save the picture, with the default file name being the same as the design. Change the name as desired.



The following file formats may be saved: JPEG Low Quality (.jpg), JPEG High Quality (.jpg), Tagged Image File Format uncompressed (.tif) and Portable Network Graphics (.png).

## Social Media

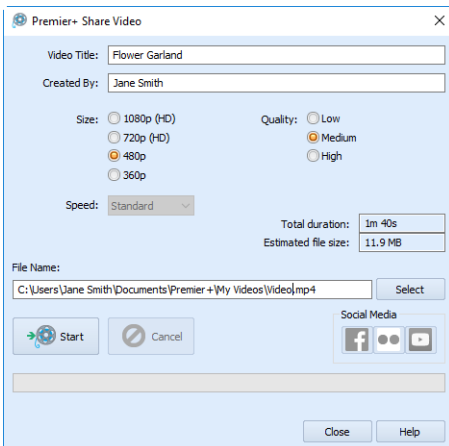
Upload the picture to Facebook® , Flickr® , or Twitter® . Log in to the Social Media website to upload your picture. A progress bar shows during the upload.

## Share Video

Save or share a video of your design. Share over Facebook® , Flickr®  or YouTube® .

Name the video and select its size, quality and speed. Then save it to your computer or share it over Facebook®, Flickr® or YouTube®. A progress bar is displayed while the video is created.

The higher the image quality, the slower the speed of upload and download.



## Video Title and Created By

The video title and the name of the creator are used on the opening frames of the video. Enter the name of the video, and the name of the creator.

## Size

The size of the moving image in pixels. The higher numbers create a higher quality video. Choose from 1080p (HD), 720p (HD), 480p and 360p. The initial setting is 480p.

## Quality

The bit rate, or speed of data transfer. Choose between Low, Medium and High. The initial setting is Medium.

## Speed

Set the speed of the Design Player for the video. Choose from Standard, 2x, 4x, 8x, 16x, 32x, 64x, and 128x. The initial speed is 16x.

*This option is only available for videos created from Design Player.*

## Video Information

The Total Duration of the video in minutes and seconds, and the estimated file size in MB are displayed. The duration and size vary according to the Size, Quality and Speed of the video.

## File Name

Select a folder and name for the video file. Click Select to browse to a different folder on your computer.

## Start and Cancel


Click Start to create your video, using the settings that you chose above. A progress bar shows during the creation of the video, with an estimate of the creation time. Click Cancel to stop the video creation.

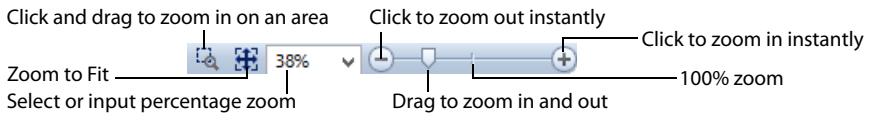
*All other functions in the dialog box are unavailable (grayed out) during video creation.*

## Social Media

Upload the video to Facebook® , Flickr®  or YouTube® . Log in to the Social Media website to upload your video.

# Zoom Commands

A number of functions are available to make it easier to navigate around designs. These include the Zoom functions and the Overview Window. By default, each design is shown at a size so that the hoop fills the window, the same as if you click Zoom To Fit  after zooming in or out.






## Shortcuts

Zoom Out	Keys: Ctrl + -
Zoom To Rectangle	Keys: Ctrl + 0
Zoom In	Keys: Ctrl + =
Zoom To Fit	Keys: Ctrl + 9

*You can also navigate around a design by selecting the colors to see and changing the range of stitches that are displayed.*


## Zoom To Rectangle

Use Zoom To Rectangle  to enlarge the view of an area of the design.

Click the Zoom To Rectangle icon  to the right of the status bar, and the mouse pointer changes to the zoom in pointer . Then either click a point on the design you want to zoom in towards, or click and drag a rectangle around the area you want to enlarge and release the mouse button to zoom.

Zoom To Rectangle is automatically deselected after you have used it.


## Shortcuts

- Status Bar: 
- Keys: Ctrl + 0

*If you have a wheel mouse, hold the Ctrl key and move the wheel to zoom.*

## Pan Mode




Use the Pan feature to move around the screen easily. The Pan feature works when you are Zoomed In on part of the screen, making the scroll bars visible at the right and bottom of the work area.

Hold the Shift key down until the pan cursor  appears, then click and drag.



The pan occurs in real time, that is you see the work area move as you drag across the screen.

*Alternatively, use the Overview Window to move around the screen when Zoomed In.*


## Pan Around the Work Area

- 1 Click Zoom To Rectangle  and the arrow pointer changes to the zoom in pointer .
- 2 Click and drag to draw a box, then release to zoom in. Scroll bars appear to allow you to move around the screen at this higher zoom level.
- 3 Hold the Shift key down, then start to click and drag. The pan cursor  appears.
- 4 Click and drag until the pointer is in the desired part of the screen. (If you have a wheel mouse, you can click the wheel to pan around the screen.)
- 5 Lift the pen or release the mouse button.

## Zoom To Fit

Use Zoom To Fit  to view the whole work area. Click the Zoom To Fit icon  and the view will zoom in or out to show the work area in the window.

### Shortcuts

- Status Bar: 
- Keys: Ctrl + 9

## Zoom by Percentage

Use the drop-down list in the Status Bar to set percentage levels to zoom in from 10% up to 800%. Alternatively, enter a number in the percentage text box.



*Select 100% to display the design at a magnification as close as possible to the Real Size setting you chose in PREMIER+™ 2 Configure.*

## Zoom Bar



Use the Zoom Bar to zoom in or out from the center of the picture or design.









The Zoom Bar is on the right side of the Status Bar.




Use the slider to zoom in or out of the picture or design, or click on the Zoom Out  or Zoom In  icons.








A new design can be started with File, New , or File, New Window . This will start the ExpressDesign Wizard. Use the ExpressDesign Wizard to create a new design automatically, load a picture for a new design, load an existing design or start a new design with no picture.



In the Design window, you can use the File menu to Open  a design or Open Recent, or Load a Design with Drag and Drop.

Use the Insert functions to insert new  or existing designs , embroideries , SuperDesigns  or text  into an existing design.

*To open an embroidery as a new design, use File, New , or File, New Window , to start a design with no picture, and then use Insert Embroidery  to convert an embroidery to a design.*


When starting from a blank design, you may choose a hoop, and start creating your design with the Freehand, Precise, Shape, Command and Column features. However, it is more common to follow a picture when creating a design. Create your own picture using the functions in the Draw and Paint windows. Open an existing drawing with Open Drawing  or Insert Drawing . Open an existing painting with Open Picture  or Insert Picture , or use From Scanner or Camera  to load a picture from a scanner or digital camera.

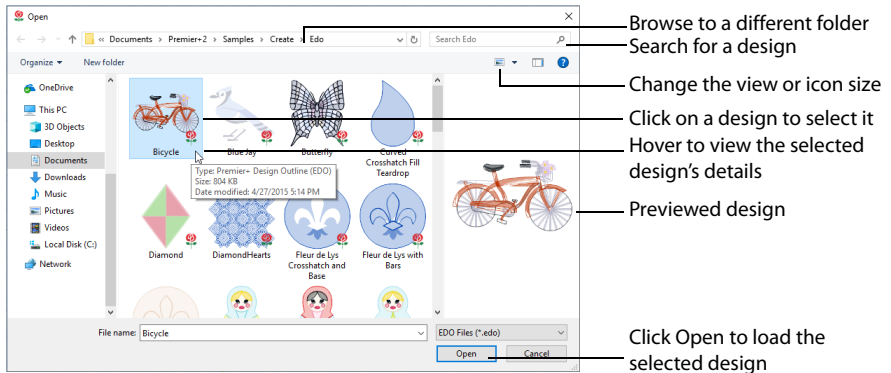
After creating or editing your picture as desired, it is recommended to save it. Then either send the picture to the ExpressDesign Wizard, or start creating your design with QuickStitch™, Freehand and Precise Create features.

Save finished designs with Save  or Save As , then export the final embroidery with Export .

# Open Designs

## Open

Use Open  to load an existing design outline file (extension .edo). PREMIER+™ 2 Create displays the Open dialog box so you can choose a design to open.



Open Recent with File, Recent or Load a Design with Drag and Drop from Windows® Explorer. The following options allow you to specify which file to open:

### File Name

Type or select the filename you want to open. This box lists files with the .edo extension.

### Files of Type

This is set to EDO Files (\*.edo) and may not be changed, so that only design outline files can be opened.

### Look In

Select the drive or folder containing the file that you want to open.

### More Options

Switch from list  or details  view to icons with thumbnail images of the design outline files. For example, Extra Large icons .


### Preview Pane

Preview the design outline file before opening .

### Shortcuts

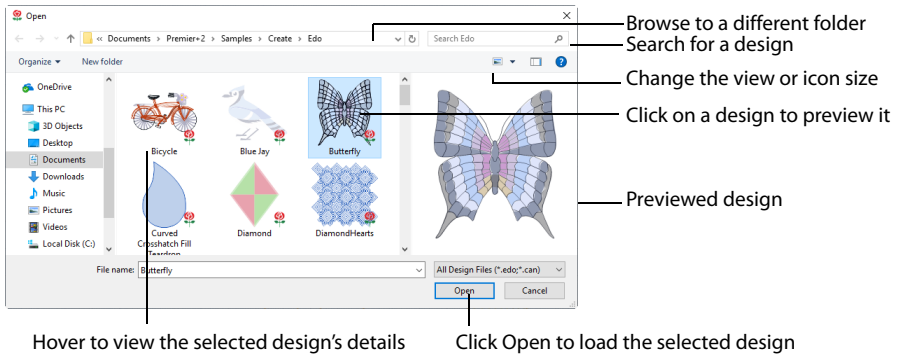
- File Menu: 
- Keys: Ctrl + O

## Insert

Use Insert  to insert existing outline designs (.edo or .can files) into the current design. The Open dialog is displayed so that you can choose a design to insert.

The design is inserted after the selected object or the last visible object in the design on the work area. The inserted design is automatically selected so that it can be moved, resized, mirrored, rotated, copied or cut. Designs are inserted at the size they were created, or automatically made small enough to fit the current hoop.

Use Insert to load a .can design outline file (from 5D™ or 4D™ Design Creator). Thumbnail image previews are not available for .can files. If the .can file contains a picture, the picture will not be loaded.

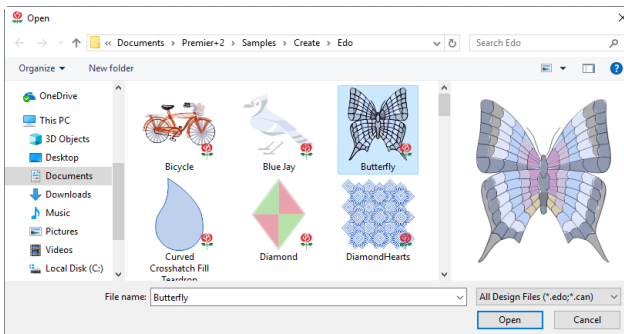


## Shortcuts

- Quick Access Toolbar; File Menu; Home Tab, Insert:
- Keys: Ctrl + I; Alt, 1; Alt, H, IN

## Load a Design

- 1 In the File menu, click New .
- 2 In the Quick Access toolbar, click Insert . Alternatively, click Insert in the Home tab.
- 3 In the Open dialog box, browse to the folder Documents\Premier+2\Samples\Create\Edo. If desired, click Change Your View to view icons of the designs.
- 4 Scroll down to show the thumbnail of the sleigh.



- 5 Click the picture of the sleigh and the design will be selected.
  - 6 Click Open to load the design onto the screen.
- You can use Insert to transfer design elements between design files. Simply delete all the objects from a design except the desired design element (for instance, in a floral design delete everything except one flower that you want to use somewhere else). Save the isolated design element as a new outline design file (.edo).

Open the design where you want to insert the isolated design element, then browse and insert it with Insert. If you do this several times then you will gradually build up your own library of design elements.

## Load a Design with Drag and Drop

To drag and drop a design outline (.edo) file onto the screen, use Windows® Explorer.

### Drag a Design to the Work Area

- 1 In Windows®, open an Explorer window. If required, resize the Explorer window so you can see both Explorer and PREMIER+™ 2 Create.  
*In Windows® 10 and 8, click File Explorer on the Status Bar. In Windows® 7, right-click the Start button on the Taskbar, then click Explore.*
- 2 Browse through the drives and folders of your computer to find the Documents\Premier+2\Samples\Create\Edo folder.
- 3 Click on the desired design name or icon to highlight it.
- 4 Use the mouse to drag and drop the design onto the PREMIER+™ 2 Create screen. The design will be displayed on the screen.
- 5 Close Explorer.

### Recent


Open previously used design outline (.edo) files via the file names in the Recent section of the File menu. Select the name of the desired design file.

*Recently used designs may only be chosen from the File menu in the Design window. There is no recent files list for pictures.*

#### Shortcut

File Menu: Recent

## Copy Embroidery


Use Copy Embroidery  to make a copy of the design as an embroidery and place it on the clipboard, where it can be pasted into another PREMIER+™ 2 Embroidery System module. The whole design is copied as an embroidery, regardless of whether only part or all of it is selected.

*Use Copy in the Draw or Paint window to copy part or all of a picture and place it on the clipboard, where it can be pasted into the same file or a new picture. For Drawing see "Copy" on page 141 and for Painting see "Copy" on page 175.*

*Use Copy to copy the selected objects. See "Copy" on page 413.*


Copying to the clipboard replaces the contents previously stored there.

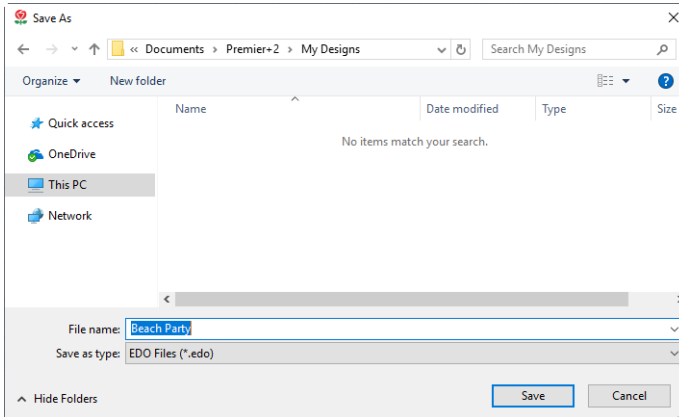
#### Shortcuts

- Home Tab, Copy: 
- Keys: Ctrl + Shift + C; Alt, H, CO, CE


# Save Designs

## Save


Use Save  to save the design file under its current name and folder. When you save a design for the first time, PREMIER+™ 2 Create displays the Save As dialog box so you can name the design file. To change the name and folder of an existing design file, use Save As.




## Shortcuts

- Quick Access Toolbar; File Menu: 
- Keys: Ctrl + S; Alt, 2


## Save As

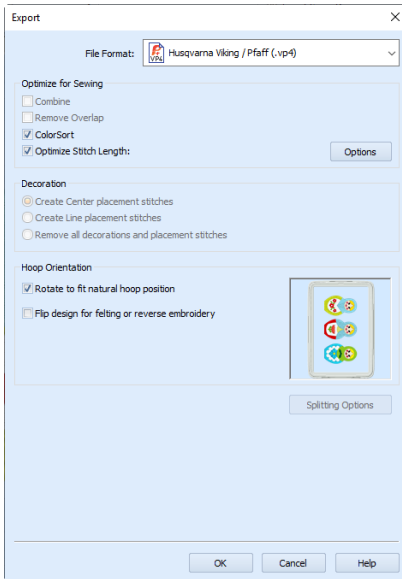
Use Save As  to save and name the design file. PREMIER+™ 2 Create displays the Save As dialog box so you can name your design. To save a design with its existing file name and folder, use the Save command.

## Shortcuts

- Quick Access Toolbar; File Menu: 
- Keys: Ctrl + Shift + S; Alt, 3

# Export

Use Export  to save the design outline file in the current window as a flattened .vp4 file, or in an alternative embroidery format. The embroidery must fit in the currently selected hoop. Use the Design Player to see how the embroidery will be exported according to the current Optimize for Sewing options.




The preferred file format for exporting embroideries is Husqvarna Viking / Pfaff .vp4, as this will preserve background and appliqué information, thread color information and notes.

You can also export embroideries as Brother/Baby Lock/Bernina PEC (.pec), Brother/Baby Lock/Bernina PES (.pes), Compucon/Singer PSW (.xxx), Husqvarna (.hus, .shv), Husqvarna Viking /Pfaff (vp4, .vp3 and .vip), Janome (.jef and .sew), Melco Expanded (.exp), Pfaff (.pcs), Tajima (.dst) or Toyota (.10o).

*The initial name will be the current file name with "Exported" added. The text "Exported" may be changed in PREMIER+™ 2 Configure.*

## Shortcuts

- Quick Access Toolbar; File Menu: 
- Keys: Ctrl + E; Alt, 4

## Optimize for Sewing Options

All of these options are initially selected when saving as a .vp4 file, or in any other format.

*You can customize the initial Optimize for Sewing Options in PREMIER+™ 2 Configure.*

**Combine:** Merge the embroideries into a single embroidery during Export.

*Combine is not enabled if there is only one design, and for embroidery formats that are automatically combined.*

**Remove Overlap:** Prevent areas of stitches building up where embroideries overlap.

*Remove Overlap is not available when Combine is not enabled.*

*Only deselect this option if, for example, your embroideries are low density and you wish to have a blend effect where they overlap.*

**ColorSort:** Reduce the number of thread colors during Export.

**Optimize Stitch Length:** Automatically remove small and insignificant stitches. See "Stitch Length Optimizer Options" on page 230.

*Cutwork Needle lines in the Inspira Cutwork Needle "thread range" and Felting Needle colors in the Inspira Felting Needle "thread range" are unaffected by Optimize Stitch Length.*

## Decoration

Create Center or Line placement stitches for Decorations added in PREMIER+™ 2 Embroidery Extra, or remove all decorations and their associated placement stitches.

Center or Line placement stitches are created automatically for decorations according to the options set in PREMIER+™ 2 Configure, which may be altered when you export the embroidery. Alternatively, create templates for cutters.

Center placement stitches are recommended when most decorations are individual and symmetrical. Line placement stitches are recommended when most decorations are individual and asymmetrical (such as bugle beads) or lines of closely spaced beads or sequins.

**Create Center placement stitches:** Create a small cross shape in stitches to show where the decoration is to be placed.

**Create Line placement stitches:** Create a single stitch that runs along the length of the decoration.

**Remove all decorations and placement stitches:** Remove all decorations and placement stitches from the exported version. This may be desired to create an embroidery with a complementary crystal transfer template (made using the Export Decoration Template dialog box in PREMIER+™ 2 Embroidery).

## Hoop Orientation

Set the hoop orientation.

**Rotate to fit natural hoop position:** Rotate the embroidery if needed to fit with the default hoop orientation for the machine. This option is only available if the hoop on the main screen is in the rotated orientation. It is useful if you prefer to create a "landscape" shaped project in the rotated orientation.

**Flip design for felting or reverse embroidery:** Flip the embroidery for being stitched in reverse. If an embroidery contains a Felting Needle color effect this option is selected initially. See "Felting Needle" on page 199.

## Splitting options

Click the button to open the splitting options dialog box. See “Splitting for Multipart Hoops” on page 228.

*Splitting for Multipart Hoops is available if .vp4, .vp3, .pes or .jef is chosen.*

## Additional Sections


Additional dialog sections are available, depending on the chosen file format.

- If .pes is chosen, you can select your machine type, file version, hoop size and rotation.
- If .jef is chosen, you can select your machine type, hoop size and rotation.

## OK

View the Save, or Saving As dialog, depending on the selected file format.

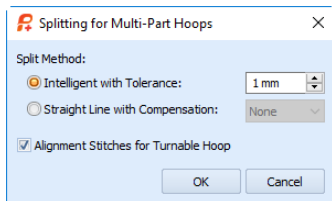
## Export an Embroidery

- 1 Create an embroidery design.
- 2 Save the design. See “Save As” on page 225.
- 3 Click Export . The Export dialog box appears.
- 4 Select an embroidery format from the drop-down list.
- 5 Select your optimization options.
- 6 If you are using a multipart hoop, set Intelligent or Straight Line split.
- 7 Click OK.
- 8 The Save As dialog will appear. Save the embroidery as desired.

*When exporting an embroidery, the message 'Design is too large or will not fit in hoop.' may appear. This means that some part of your embroidery is not entirely within the hoop. Move the design so that it fits inside the hoop. If desired, use the arrow keys to nudge the embroidery in small steps.*

## Splitting for Multipart Hoops

*This dialog is available if .vp4, .vp3, .pes or .jef is selected as the file format.*



Embroideries for Multipart hoops are split automatically, according to your Export settings. Use an Intelligent or Straight Line Split.

*Note:* There is no need to ensure embroideries are in one stitch area of the hoop; just place your embroideries in the most pleasing arrangement.

## Split Method

You can use one of two split methods:

- **Intelligent Split** automatically calculates a split line that is routed through gaps or across movement stitches, cuts the minimum number of stitches, and minimizes cuts through solid sections of embroidery. Where possible, use Intelligent Split.
- **Straight Line Split** cuts the embroidery straight across the center line of the overlap zone.



## Intelligent with Tolerance

Intelligent Split calculates a split line that cuts the minimum number of stitches, and minimizes cuts through solid sections of embroidery. For example, a large embroidery is split at a narrow section, and an embroidery that fits in one stitch area of the hoop is left in one piece even if it is part of a larger design.

**Tolerance** ensures that the Intelligent Split line stays a short distance from the edges of the overlap. This allows for play in the hoop when going from one hoop area to another, such as when aligning a hoop that has been turned to stitch out the other side of an embroidery.

You can set Tolerance from 0 to 3mm, in steps of 1mm. The initial setting is 1mm.

*To use Intelligent Split with Tolerance, select the "Intelligent with Tolerance" checkbox, then enter a number in the Tolerance number box, or use the arrows to increase or decrease the Tolerance.*

## Straight with Compensation

Straight Line Split cuts straight across the center of the overlap zone. Straight Line Split will only split an individual embroidery if, before it is combined with everything else, it does not fit entirely into one stitch area of the hoop.

*Lettering is split straight down the middle, as with any other type of embroidery. This may cut through characters rather than gaps and spaces. In such cases, it is recommended to use Intelligent Split instead.*

**Compensation** adds overlapping stitches along the edges where the embroidery is split. This compensates for pull on the fabric.

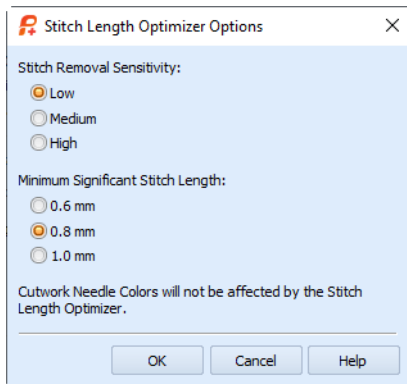
None	Use None if you can split an embroidery without cutting through any of the design elements. Compensation is initially set to None.
Low	Use Low when cutting through a lightly stitched embroidery or when the split lines go through only a few stitch areas.
High	Use High when the embroidery is dense, when the split lines make long splits through stitch areas, or when stitching onto materials such as knitted or stretchy fabric.

## Alignment Stitch for Turnable Hoops

Select this option to add an alignment cross at the end of each embroidery section when using the HUSQVARNA VIKING® Designer Majestic™, PFAFF® creative Grand Dream™, Universal Multipart hoop, or Brother Jumbo Frame. A hoop movement to the alignment cross is added at the beginning of the next section. The next embroidery section can then be correctly aligned, or alignment can be confirmed.

## Stitch Length Optimizer Options

Use the Stitch Length Optimizer Options dialog box to automatically remove small and insignificant stitches. You can adjust the stitch removal sensitivity, or the minimum significant stitch length.



### Stitch Length Sensitivity

Adjust the sensitivity of the optimization. Low is set as the default.

- Choose from Low, Medium or High.


### Minimum Significant Stitch Length

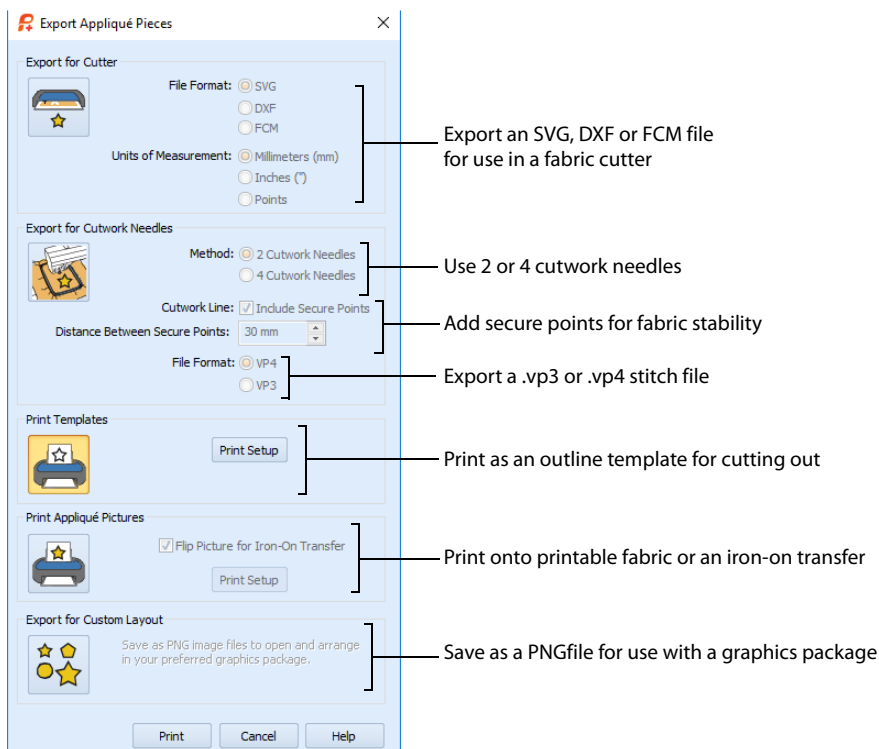
Select the shortest stitch length that you consider to be significant. Stitches below this length are removed during the optimization process. The default stitch length is 0.8 mm.

*Cutwork Needle lines are unaffected by the Minimum Significant Stitch Length.*

- Choose from 0.6 mm, 0.8 mm or 1.0 mm.

# Export Appliqué Pieces

Use Export Appliqué Pieces  to save or print appliqué outlines ready for cutting.



There are five appliqué piece export methods:

- **Export for Cutter:** Save as SVG, DXF or FCM files for use in fabric cutters
- **Export for Cutwork Needles:** Save as VP4 or VP3 stitch files that can be used with INSPIRA™ Cutwork Needles
- **Print Templates:** Print as an outline template to stick or pin to fabric and then cut out
- **Print Appliqué Pictures:** Print directly onto printable fabric or an iron-on transfer; this also prints the image of the appliqué piece
- **Export for Custom Layout:** Save as PNG files with the fabric image placed as the fill for each shape. This is designed for use with fully customized layouts.

## Export for Cutter

Export the appliqué piece as an SVG, DXF or FCM image file for use in a fabric cutter.

Set the units of measurement (millimeters or inches), and select a file type. Click Export to save the file.

*The maximum size for the Brother ScanNCut FCM format is 12" x 12" (305mm x 305mm).*

Recommended file formats for cutters:

Cutter	Software	Export Format
Cricut Explore®	Cricut Design Space 3.1512	SVG (points)
KNK Zing Air®	Make the Cut! 4.6.1 (Zing Plugin 2.1.0)	SVG (points)
Silhouette Cameo®	Silhouette Studio 3.6.57 ss (Use "As Is" import settings)	DXF (millimeters)
Brother ScanNCut® (2)	Direct to USB stick or machine	FCM
Sizzix Eclips2	eCal2 2.203	SVG (points)

## Export for Cutwork Needles

Export the appliqué piece for cutting with INSPIRA™ Cutwork Needles. Select 2 or 4 needles, choose whether to use secure points for fabric stability and their length, and use a .vp3 or .vp4 stitch file.

## Print Templates

Print the appliqué piece as an outline template to stick or pin to fabric and then cut out.

Select a printer and paper size in the Print Setup dialog box. See "Print Setup" on page 431.

## Print Appliqué Pictures


Print directly onto printable fabric or an iron-on transfer; this also prints the image of the appliqué piece.

Flip the picture for an iron-on transfer, and select a printer and paper size in the Print Setup dialog box. See "Print Setup" on page 431.

## Export for Custom Layout

Save as PNG files with the fabric image placed as the fill for each appliqué piece shape. This is designed for use with fully customized layouts, for example if you wish to arrange or adjust the appliqué shapes in a graphics package.

## Shortcuts

- File Menu: 
- Keys: Ctrl + Shift + E

Create Fills and Lines with the QuickStitch™, Freehand Create, Precise Create and Shape functions. Set stitch options before creation, or edit them afterwards.

*To edit a line or fill, right-click it in the FilmStrip or on the work area and change its properties in the Fill Area and Line Properties dialog. See "Fill Area and Line Properties" on page 38.*

## Creating with Quick Create

The Quick Create functions QuickStitch™ and QuickTrace are used to create new stitch objects (lines, fills or holes) by using color areas in the background picture.

Select the desired QuickStitch™ or QuickTrace function, then click your chosen part of the picture. Adjust Color Tolerance (if enabled), then click OK to create the object.

### Using QuickStitch™ and QuickTrace

- 1 Select the desired QuickStitch™ or QuickTrace function in the Quick Create tab, according to the type of object you want.
- 2 Then, click in the desired area of the picture for QuickStitch™ functions or on the desired line for QuickTrace functions.
- 3 If Color Tolerance is enabled, the color area will be highlighted. Adjust tolerance, if desired.
- 4 Click OK to create the object(s).  
*If Color Tolerance is not enabled, the object(s) will be created immediately.*

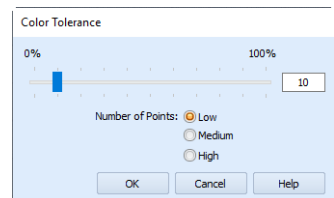
## Color Tolerance

Color Tolerance is available for all the QuickStitch™ and QuickTrace functions. It allows parts of a picture to be selected for filling or tracing according to how similar they are in color to the chosen color. Also, use Color Tolerance to preview the shape of the new stitch object, and to select the relative number of points in the line or border.

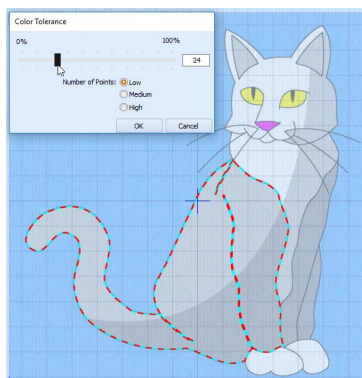
Turn Color Tolerance on and off with the Color Tolerance option in Preferences .

### Select an Area with Color Tolerance

- 1 Set stitch options, then select the desired QuickStitch™ or QuickTrace function in the Quick Create tab.
- 2 Click on the color area or outline you wish to fill, border or trace. The Color Tolerance dialog box will appear. The tolerance value is always zero when the dialog box appears.
- 3 Set the number of points used in the outline for the object. High creates a more detailed, but less smooth, outline than Medium or Low.
- 4 Move the slider bar to the required Color Tolerance value. There are four ways to move the slider:
  - i) Click either side of it to move the slider by 20% in the relevant direction
  - ii) Click and drag the slider to any value
  - iii) Press the left and right arrow keys to change the Color Tolerance value in 1% steps
  - iv) Enter a Color Tolerance value directly in the number box



- 5 A red and cyan highlight on the design area shows the area that will be filled or traced. If you have chosen to detect holes, any holes in the area will be highlighted by green and yellow lines. Adjust the Color Tolerance value until the required part of the picture is selected.
- 6 Click OK when you have selected the desired part of the picture. The fill or trace will be generated as usual.
- 7 Alternatively, if you want to start from a different point (e.g. a different band of color) click Cancel and nothing will happen. Then click the picture at the new point and set the Color Tolerance as required.



## QuickStitch™ and Color Tolerance

Color Tolerance helps you to create new objects with QuickStitch™ across and/or around shaded or variegated areas of color, reducing or eliminating the need for placing areas by hand. Color Tolerance can be used with the following QuickStitch™ functions:



QuickStitch™



QuickStitch™ Satin



QuickStitch™ + AutoHole



QuickStitch™ Multiple Satin



QuickStitch™ Hole

## QuickTrace and Color Tolerance

Preview the outline that will be traced with Color Tolerance. This means you can see if there are any breaks in the outline, possibly caused by slight variations in shade in the outline which you can overcome by increasing the Color Tolerance. Color Tolerance can be used with the following QuickTrace functions:



Double Trace



Satin Line Trace



Quadruple Trace



Motif Line Trace


## Creating with Freehand and Precise Create

Use the Freehand and Precise Create functions to create new lines, fill areas or holes (stitch objects) by creating outlines directly on the design.

*The outlines may follow a background picture, if desired, but the Freehand and Precise Create functions do not require a picture.*

*If the curve produced does not match the background picture as closely as desired, you can move, delete and insert points using the tools in the Home tab.*

These functions are used either by drawing an outline as if using a tablet (the Freehand Create or Tablet functions) or by placing and adjusting points to define an outline (the Precise Create Bezier Line or Point Line functions).

*Ties and movement stitches are added automatically between objects, when the option is selected in Preferences .*

After a line or fill area has been created, right-click the area to change its properties in Fill Area and Line properties.

Alternatively, make a selection of fill areas visible and change them all with Global Properties, or hold the Ctrl key and click the desired fill areas in the FilmStrip, then right-click one of them and select Properties to change the properties for the selected objects.

## Freehand Create

When using the Freehand Create, or tablet drawing functions, the stitch objects are created by drawing outlines on the design.

*Outlines can be drawn by using a pen on a graphics tablet or by using click and drag with a mouse.*

Freehand Create (tablet) mode provides a more natural drawing experience and is generally recommended.

Freehand Create (Tablet) functions:



Create Freehand Area or Line



Freehand Emboss Line



Freehand Hole



Freehand MultiWave Line



Freehand Satin Area

Select the desired line or fill and border type, then draw each individual object by drawing a continuous line. When the pen is lifted, or the mouse button is released, the object is completed. The next line drawn creates another new object. This continues until the function is deselected.

## Precise Create

When the Precise Create functions are selected, stitch objects are created by placing a series of points that define the outline, or by drawing Bezier lines.

Placing points and Bezier lines allows precise positioning of curves, corners and straight line sections.

Precise Create (Point) functions:



Create Precise Area or Line (Point and Bezier mode)



Precise Emboss Line (Point mode only)



Precise Hole (Point and Bezier mode)



Precise MultiWave Line (Point mode only)




Precise Satin Area (Point mode only)


Select the desired fill and/or border type, then each point is placed by a single click (or click and drag for Bezier lines). The outline is completed with a right-click. Right-click again to deselect the function.

*Hold down Ctrl to place square (angular) points, instead of round (curved) points.*

## Creating Shapes


Use Shape  to place a selected shape in the work area and adjust its size and properties. Draw a ring, a square, a frame or other shape using Shape.

# Shape



Use Shape  to draw a fill area with or without a border, or a line on the work area. Then adjust its size and properties. Select a fill and line to draw a fill area surrounded by a border, or select a line type only to draw a closed line with no fill.

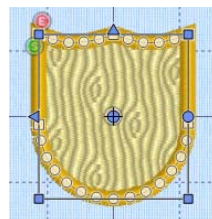
*Draw a ring, a square, a frame or other shape using Shape.*

## Shortcuts



- Quick Create Tab: 
- Keys: Alt, Q, S

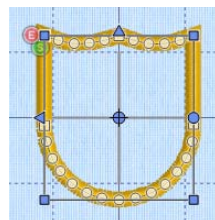
## Draw a Filled Shape with a Border

- 1 In the Quick Create tab, ensure that Fill and Line are selected.
- 2 Select a fill and border type, setting the Options for Fill Area and Line as desired.
- 3 Add a color change, or adjust the color in the worksheet. This sets the color for the fill.
- 4 Click Fill Area and Line, and in the Line tab select (check) Insert Color Change. Then click Line Thread Color and set the color for the border.
- 5 Select the type of shape you wish to draw from the drop-down list.
- 6 Click the Shape icon . The shape is placed in the center of the work area as a selected block.  
*The dimensions of the box surrounding the shape are shown in the status bar.*
- 7 Click and drag the shape to the preferred position, and resize it as desired using the square corner handles.  
*Hold down Ctrl as you click and drag to resize proportionally. Hold down Shift to resize from the center.*
- 8 Right-click the shape and select Properties to change the stitch type and settings for the line and fill.  
*Note that the second color in the worksheet (the secondary color without a number by it) is the color for the border. You can also see it in the FilmStrip.*
- 9 If desired, draw another shape or click Undo  and draw the shape again.



## Draw an Unfilled Shape

- 1 Click the Fill button to deselect it, and ensure that Line type only is selected.
- 2 Choose stitch type for the line.
- 3 Add a color change, or adjust the color in the worksheet. This sets the color for the line.  
*A border without a fill uses the primary color.*
- 4 Select the type of shape you wish to draw from the drop-down list.
- 5 Click the Shape icon . The shape is placed in the center of the work area as a selected block.  
*The dimensions of the box surrounding the shape are shown in the status bar.*
- 6 Click and drag the shape to the preferred position, and resize it as desired using the square corner handles.  
*Hold down Ctrl as you click and drag to resize proportionally. Hold down Shift to resize from the center.*
- 7 Right-click the shape and select Properties to change the stitch type and settings for the line.
- 8 If desired, draw another shape or click Undo  and draw the shape again.





# QuickStitch™ Functions

Use the QuickStitch™ functions QuickStitch™ 🌟, QuickStitch™ + AutoHole 🌟🕒 and QuickStitch™ Hole 🕒 to automatically fill clicked on color areas of the picture with fill areas of small stitches surrounded by a border, a line, or holes in fill areas. QuickStitch™ can create lines and fill areas with or without automatic holes.

*Set stitch options before creation, or after a fill area has been created, you can right-click it in the FilmStrip or work area to change its properties in Fill Area and Line properties.*

*Using the Edit tab tools, you can make a number of fill areas of the same type (e.g. Pattern Fill) visible and change them all with Global Properties. Alternatively, hold the Ctrl key and click the desired fill areas in the FilmStrip, then right-click one of them and select Properties; the properties for all selected areas will be changed.*

## Create a QuickStitch™ Area

- 1 Set stitch options, then click the QuickStitch™ icon 🌟 or the QuickStitch™ + AutoHole 🌟🕒 icon.
  - 2 Click in the color area you wish to fill with stitches.
  - 3 If Color Tolerance is enabled then the Color Tolerance dialog box will appear. Adjust the Color Tolerance as required. The area selected by the Color Tolerance value will be previewed. If you selected a function with AutoHole, any holes in the area will be shown. Click OK to confirm.
  - 4 Stitches representing the border and fill pattern set in the Options for Fill Area and Line appear in the area. For QuickStitch™ + AutoHole, any holes detected will be cut out.
  - 5 Repeat to place as many fill areas as desired.
  - 6 Right-click to deselect the function, or simply select another Create tool.
  - 7 To edit the fill or the border, click the fill area to select it, then right-click it and change the properties in the Fill Area and Line Properties dialog. Click OK to save the changes.
- See "Fill Area and Line Properties" on page 38.*

## QuickStitch™

Use QuickStitch™ 🌟 to click in a color area to create a fill area with or without a border, or a line automatically. If required, use Color Tolerance to select a larger area according to the similarity of adjacent colors.



## Shortcuts


- Quick Create Tab, Fill Area and Line: 🌟
- Keys: Alt, Q, Q

## Create a QuickStitch™ Fill Area


- 1 Select your fill and border type.
- 2 Click the QuickStitch™ icon 🌟.
- 3 Click in the color area you wish to fill with stitches.
- 4 If Color Tolerance is enabled then the Color Tolerance dialog box will appear. Adjust the Color Tolerance as required. The area selected by the Color Tolerance value will be previewed. Click OK to confirm.
- 5 Stitches representing the border and fill pattern set in the Options for Fill Area and Line appear in the area.
- 6 Repeat to place as many fill areas as desired.
- 7 Right-click to deselect, or simply select another Create tool.

- 8 To edit the fill or the border, click the fill area to select it, then right-click it and change the properties in the Fill Area and Line Properties dialog. Click OK to save the changes.  
*See "Fill Area and Line Properties" on page 38.*

## Create a QuickStitch™ Line


- 1 Select your line type, ensuring that Fill is not selected.
- 2 Click the QuickStitch™ icon .
- 3 Click in the color around which you wish to create a border.
- 4 If Color Tolerance is enabled then the Color Tolerance dialog box will appear. Adjust the Color Tolerance as required. The area selected by the Color Tolerance value will be previewed. Click OK to confirm.
- 5 A border will appear around the area.
- 6 Repeat to place as many borders as desired.
- 7 Right-click to deselect, or simply select another Create tool.
- 8 To edit the border, click it to select it, then right-click and change the properties in the Fill Area and Line Properties dialog. Click OK to save the changes.  
*See "Fill Area and Line Properties" on page 38.*

## QuickStitch™ + AutoHole


Use QuickStitch™ + AutoHole  to fill an area with small stitches in alternating patterns automatically, while also cutting out 'holes' in the area, by clicking in a color area of the picture. If required, use Color Tolerance to select a larger area according to the similarity of adjacent colors.




### Shortcuts

- Quick Create Tab, Fill Area and Line: 
- Keys: Alt, Q, H


## Create a QuickStitch™ Area with a Hole Automatically

- 1 Select your fill and border type.
- 2 Click the QuickStitch™ + AutoHole  icon.
- 3 Click in the color area you wish to fill with stitches.
- 4 If Color Tolerance is enabled then the Color Tolerance dialog box will appear. Adjust the Color Tolerance as required. The area selected by the Color Tolerance value will be previewed, and any holes in the area will be shown. Click OK to confirm.
- 5 Stitches representing the border and fill pattern set in the Options for Fill Area and Line appear in the area, and any holes detected will be cut out.
- 6 Repeat to place as many fill areas as desired.
- 7 Right-click to deselect, or simply select another Create tool.
- 8 To edit the fill or the border, click the fill area to select it, then right-click it and change the properties in the Fill Area and Line Properties dialog. Click OK to save the changes.  
*See "Fill Area and Line Properties" on page 38.*

## QuickStitch™ Hole


Use QuickStitch™ Hole  to cut out holes within the currently selected fill area automatically, by clicking in the required color areas of the picture. If required, use Color Tolerance to select a larger area according to the similarity of adjacent colors.

*This is useful to cut out holes in an existing fill area with a background picture.*


Also use QuickStitch™ Hole  to create specific holes that were not previously removed. For example, some holes you wanted may have been included in the fill area because of the Color Tolerance setting.








### Shortcuts

- Quick Create Tab, Enhance: 
- Keys: Alt, Q, U

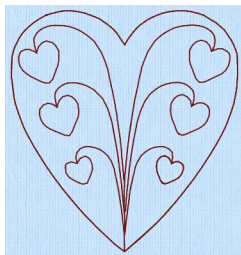
### Create a Hole in a Fill Area Automatically

- 1 Click in the fill area in which you want to create a hole.
- 2 Click QuickStitch™ Hole .
- 3 Click in a defined color area within the fill area to cut out a hole.
- 4 Repeat to create more holes, as desired.
- 5 Right-click to deselect, or simply select another Create tool.

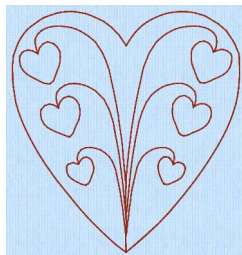
## QuickTrace

Use the QuickTrace  functions Double Trace , Quadruple Trace , Satin Line Trace , or Motif Line Trace  to place double or quadruple lines of stitches, satin borders or motif lines by clicking lines in the picture. The traced design is created as a group.

*All connected lines will be traced.*



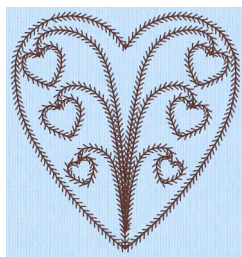
Double Trace



Quadruple Trace





Satin Line Trace








Motif Line Trace


*You can set stitch options before creation, or after.*

Double Trace and Quadruple Trace use the stitch length setting for Running Stitch in Fill Area and Line  properties, as does Running Stitch used in Satin Line Trace. The Running Stitch sections for Motif Line trace use a fixed length of 1.5mm. The Satin Line and Motif Line for tracing use the settings in Fill Area and Line. To change stitch settings after the stitches have been created, right-click an object to change the properties in the Fill Area and Line dialog box.

To change multiple objects, click a single object in the Group for the traced design, then right-click and choose Select Similar from Group . Right-click the object again, and select Properties to choose settings for all objects of that type, e.g. Running Stitch, in the design. See "Select Similar from Group" on page 408. Alternatively, change all visible objects of one type with Global Properties, or hold the Ctrl key and click the desired objects in the FilmStrip, then right-click one of them and select Properties to change the properties for the selected objects.

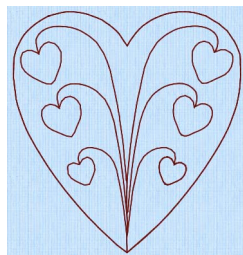
## Using QuickTrace


- 1 Zoom In so that you can clearly see the line where you wish to create the QuickTrace. This will help with thin outlines that are difficult to select.
- 2 Set stitch options, then in the Trace  drop-down menu on the Quick Create tab, select Double Trace , Quadruple Trace , Satin Line Trace , or Motif Line Trace .
- 3 Click the outline you wish to trace.


- 4 If Color Tolerance is enabled then the Color Tolerance dialog box will appear. Adjust the Color Tolerance as required. The area selected by the Color Tolerance value will be previewed. Click OK to confirm.
- 5 The stitch lines or satin border will be created as a Group, and the function is automatically deselected. For satin border, a running stitch is used underneath the border to stabilize and connect border sections.
- 6 Repeat as desired.
- 7 To edit the border, click an object in the group to select it, then right-click and choose Select Similar from Group . Right-click again and change the properties in the Fill Area and Line Properties dialog. Click OK to save the changes. All stitch lines of the selected type will use the new settings. See "Fill Area and Line Properties" on page 38.

## Double Trace

Create two layers of stitches following the selected line automatically, by clicking on it. Double Trace produces a layer of double stitch, with some running stitch where needed. The trace begins and ends at the closest point on the selected outline to the previous object, and is created as a Group. If required, use Color Tolerance to select a larger area according to the similarity of adjacent colors. Stitch length may be from 1.0 to 12mm. Set it beforehand, or if desired, alter it afterwards in the properties dialog.




Double Trace uses the stitch length setting for Running Stitch in Fill Area and Line  properties.

*For complex outlines, a group of double and running stitch lines is created to make up the trace. To alter the length of all the stitches, click a single object in the Group for the traced design, then right-click and choose Select Similar from Group . Right-click the object again, and select Properties to choose settings for all objects of that type, e.g. Running Stitch, in the design. Alternatively, in the Edit tab either hide all objects before and after the trace, then use Global Properties to adjust the stitch lengths, or hold the Ctrl key and select the desired stitches then right-click one and select Properties to adjust the stitch lengths for the selected lines.*

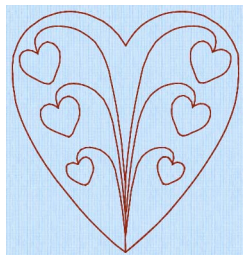
Repeat to trace more lines, and right-click to deselect.


### Shortcuts


- Quick Create Tab: 
- Keys: Alt, Q, T, D

## Quadruple Trace

Create four layers of stitches following the selected line automatically, by clicking on it. Quadruple Trace produces a layer of running and a layer of triple stitches. The trace begins and ends at the closest point on the selected outline to the previous object, and is created as a Group. If required, use Color Tolerance to select a larger area according to the similarity of adjacent colors. Stitch length may be from 1.0 to 12mm. Set it beforehand, or if desired, alter it afterwards in the properties dialog.




Quadruple Trace uses the stitch length setting for Running Stitch in Fill Area and Line  properties.

*For complex outlines, a group of running and triple stitch lines is created to make up the trace. To alter the length of all the stitches, click a single object in the Group for the traced design, then right-click and choose Select Similar from Group . Right-click the object again, and select Properties to choose settings for all objects of that type, e.g. Running Stitch, in the design. Alternatively, in the Edit tab either hide all objects before and after the trace, then use Global Properties to adjust the stitch lengths, or hold the Ctrl key and select the desired stitches then right-click one and select Properties to adjust the stitch lengths for the selected lines.*


Repeat to trace more lines, and right-click to deselect.

## Shortcuts


- Quick Create Tab: 
- Keys: Alt, Q, T, Q

## Satin Line Trace

Create a satin border that follows the selected line automatically, by clicking on it. If required, use Color Tolerance to select a larger area according to the similarity of adjacent colors. The border width can be from 1 to 12mm. Set it beforehand, or if desired, alter it afterwards in the properties dialog. The Satin Line Trace is created as a Group.


The Satin Line uses the settings for Satin Line in Fill Area and Line  properties, and the Running Stitch uses the stitch length setting there for Running Stitch.



*For complex outlines, a group of satin borders is created to make up the trace. To alter properties of all the borders, click a single object in the Group for the traced design, then right-click and choose Select Similar from Group . Right-click the object again, and select Properties to choose settings for all objects of that type, e.g. Running Stitch, in the design. Alternatively, in the Edit tab either hide all objects before and after the satin trace, then use Global Properties to adjust width, density and underlay, or hold the Ctrl key and select the desired satin borders then right-click one and select Properties to adjust width, density and underlay for the selected lines.*

Repeat to trace more lines, and right-click to deselect.

## Shortcuts

- Quick Create Tab: 
- Keys: Alt, Q, T, S

## Motif Line Trace

Create a motif line that follows the selected line automatically, by clicking on it. If required, use Color Tolerance to select a larger area according to the similarity of adjacent colors. The Motif Line Trace is created as a Group.

The Motif Line uses the settings for Motif Line in Fill Area and Line ... properties. The Running Stitch sections for Motif Line trace use a fixed length of 1.5mm.



*For complex outlines, a group of motif lines is created to make up the trace.*

*Set options beforehand, or to alter properties of all the borders click a single object in the Group for the traced design, then right-click and choose Select Similar from Group . Right-click the object again, and select Properties to choose settings for all objects of that type, e.g. Running Stitch, in the design.*






*Alternatively, in the Edit tab either hide all objects before and after the trace, then use Global Properties to adjust motif options, or hold the Ctrl key and select the desired motif lines then right-click one and select Properties to adjust motif options for the selected lines.*

Repeat to trace more lines, and right-click to deselect.






### Shortcuts

- Quick Create Tab: 
- Keys: Alt, Q, T, M

# Freehand and Precise Create Functions


Use the Freehand Create tablet drawing functions Create Freehand Area or Line , Freehand Hole , Freehand Emboss Line , Freehand MultiWave Line  and Freehand Satin Area , to create stitch objects by drawing outlines on the design.

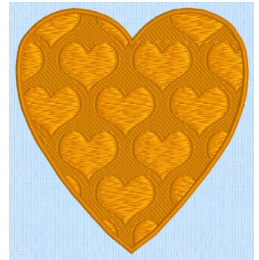
See “Freehand Create” on page 235.

Use the Precise Create point placing and Bezier line functions Create Precise Area or Line , and Precise Hole , and the point placing functions Precise Satin Area , Precise MultiWave Line  and Precise Emboss Line  to create stitch objects by placing a series of points or Bezier lines that define the outline.


See “Precise Create” on page 235.

## Create Freehand Area or Line


Use Create Freehand Area or Line  to draw a line to define the edge of an area filled with small stitches in repeating patterns with or without a border, or an unenclosed line.



### Shortcuts

- Freehand Create Tab, Fill Area and Line: 
- Keys: Alt, R, R

## Create a Line or Fill Area with Create Freehand Area or Line

- 1 In the Freehand Create tab select your line and/or fill type.
- 2 Click the Create Freehand Area or Line icon .
- 3 Draw a line along or around the desired area.
- 4 When the line is complete, lift the pen from the tablet (or release the mouse button). If a fill was selected, the area is closed with a straight line back to the start point, and filled with stitches using the chosen border and fill type.

*You can change the border and fill in Fill Area and Line Properties.*

*When creating a fill area it is recommended to draw back to the start point. However, you can also adjust the shape on the work area, if the area is not the exact shape desired.*

- 5 Continue to draw as many lines or fill areas as desired.
- 6 Right-click to deselect the function, or simply select another tool.  
*To change the object properties, right-click the line or fill area and edit the properties in the Fill Area and Line Properties dialog. See “Fill Area and Line Properties” on page 38.*

*To edit the object, or change the properties for more than one object at a time, use the FilmStrip. See “Editing a Design” on page 387.*

## Change Line or Fill Properties

- Right-click the line or fill area and change its properties. Then click OK.  
*See “Fill Area and Line Properties” on page 38.*
- Alternatively, to change the properties of a number of lines or fills at one time, in the FilmStrip hold the Ctrl key and click each of the objects to be changed. Then right-click one of the selected objects and select Properties. The Fill Area and Line dialog box will





appear. All settings in the Fill Area and Line dialog box will be applied to your selected objects when you click OK.

- If desired, move the start , end  and/or origin  for selected fill areas.

After moving the origin, use Life View  or Design Player  to see the effect.


## Create Precise Area or Line

Use Create Precise Area or Line  to place points to create a line to define the edge of an area filled with small stitches in repeating patterns with or without a border, or an unenclosed line.



To draw the outline for a Line or Fill Area with Bezier Lines instead of Point Lines, click Bezier Mode , to enable drawing Bezier curves, then draw your Line or Fill Area. See “Bezier Mode” on page 250.



### Shortcuts

- Precise Create Tab, Fill Area and Line: 
- Keys: Alt, P, R

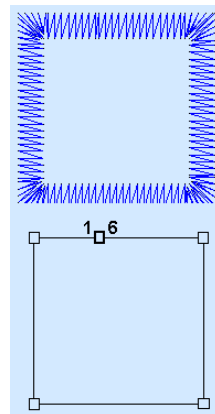
## Create a Line or Fill Area with Create Precise Area or Line

- 1 In the Precise Create tab select your line and/or fill type.
- 2 Click the Create Precise Area or Line icon .
- To draw the outline for a Line or Fill Area with Bezier Lines instead of Point Lines, click Bezier Mode , to enable drawing Bezier curves, then draw your Line or Fill Area. See “Bezier Mode” on page 250.*
- 3 Click to place the first point. It appears as a small hollow yellow circle.
- 4 Click to place a second point. The new circle is now yellow, and the previous circle is white.
- 5 Continue placing points around the desired area, such as a chosen section of the background picture. If you are following the picture, place a point every time the direction of the picture outline changes. *Curved lines are created automatically, unless fewer than three points are placed, in which case the lines will be straight. For corners and straight edges, hold down the Ctrl key. To delete the last point placed, use the Delete key.*
- 6 Right-click to complete the area. Stitches will appear in the current thread color showing the line or fill area and border.
- 7 Continue to place as many objects as desired.  
*To change the line and fill properties, right-click the line or fill area and edit the properties in the Fill Area and Line Properties dialog. See “Fill Area and Line Properties” on page 38.*  
*To edit the line or fill, or change the properties for more than one area at a time, use the FilmStrip. See “Editing a Design” on page 387.*


## Mitered Corners and Closed Shapes

When creating satin line by placing points, the corners of a satin border are mitered automatically when you hold down Ctrl and click to place a corner point. If you wish to make a closed shape with mitered corners, such as a square or rectangle, join the shape in the middle of one of the sides, as shown in the example. If the shape is joined at a corner, that corner will not be mitered as it will simply be two straight end points in the same place, rather than a true corner.

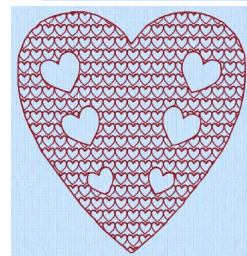
*When drawing this type of satin line shape, overlap the start and end points slightly to ensure a neat join.*




## Freehand Hole

Use Freehand Hole  to cut out holes within the selected fill area, by drawing outlines to define the holes.


*This function only affects the currently selected fill area.*




## Shortcuts

- Freehand Create Tab, Enhance: 
- Keys: Alt, R, H

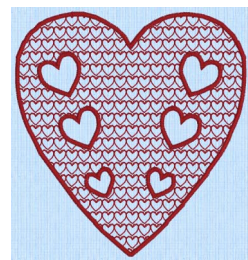
## Create a Freehand Hole in a Fill Area

- 1 Select the area in which you want to cut the hole.
- 2 Click the Freehand Hole icon .
- 3 Draw a line around the edge of the desired area for the hole.
- 4 When the area is complete, lift the pen from the tablet (or release the mouse button). The area is closed with a straight line back to the start point.  
*It is recommended to draw back to the start point. However, you can also adjust the shape of the hole afterwards, if it is not the exact shape as desired.*
- 5 Continue to cut as many fill holes as desired.
- 6 Right-click to deselect the function, or simply select another tool.


## Precise Hole

Use Precise Hole  to cut out holes within the currently selected fill area, by placing points or drawing Bezier Lines to define the holes.


*This function only affects the currently selected fill area.*




## Shortcuts

- Precise Create Tab, Enhance: 
- Keys: Alt, P, H



## Create a Precise Hole in a Fill Area

- 1 Select the area in which you want to cut the hole.
- 2 Click the Precise Create tab.
- 3 Click the Precise Hole icon .


*To draw the hole with a Bezier Line, click Bezier Mode , then draw your hole. See “Bezier Mode” on page 250 for information on drawing Bezier Lines.*

- 4 Click to place the first point. It appears as a small hollow yellow circle.
- 5 Click to place a second point. The new circle is now yellow, and the previous circle is white.
- 6 Continue placing points around the desired area, such as a chosen section of the background picture. If you are following the picture, place a point every time the direction of the picture outline changes. *Curved lines are created automatically, unless fewer than three points are placed, in which case the lines will be straight. For corners and straight edges, hold down the Ctrl key. To delete the last point placed, use the Delete key.*
- 7 Right-click to complete the hole. The hole will appear in the fill area.
- 8 Continue to cut as many holes as desired.


## Emboss Line

Use the Emboss Line functions Freehand Emboss Line  and Precise Emboss Line  to create an embossed line on a fill area, satin area, or column.


## Freehand Emboss Line

Use Freehand Emboss Line  to draw a line to emboss on a fill area, satin area, or column.


## Shortcuts




- Freehand Create Tab, Enhance: 
- Keys: Alt, R, E; Alt, Q, E, F

## Create a Freehand Emboss Line


- 1 In the Freehand Create tab select a fill area, satin area, or column.
- 2 Click the Freehand Emboss Line  icon.
- 3 Draw a line on the selected area. The emboss line will appear on the fill, with the first point as a square and later points as circles, except for a square final point.

*To follow a background picture, select 2D View  in the View tab, and zoom in as necessary.*


*You can move points after the line has been created. To delete points, use Delete Points  in the Home tab.*

- 4 Repeat to place as many embossed lines as desired. Right-click to deselect the function.  
*To change an embossed line, move its points, or use Insert Points  or Delete Point  in the Home tab.*  
*Use Delete Emboss Line  in the Edit tab to remove an embossed line. See “Delete Emboss Line” on page 401.*







## Precise Emboss Line

Use Precise Emboss Line  to place points to emboss a line on a fill area, satin area, or column.



## Shortcuts

- Precise Create Tab, Enhance: 
- Keys: Alt, P, E; Alt, Q, E, P


## Create a Precise Emboss Line

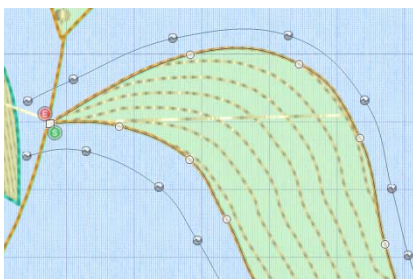
- 1 Select a fill area, satin area, or column.
- 2 Click the Precise Create tab.
- 3 Click the Precise Emboss Line  icon.
- 4 Click to place the first point. It appears as a small hollow yellow circle.
- 5 Click to place a second point. The new circle is now yellow, and the previous circle is white.  
*To follow a background picture, select 2D View  in the View tab, and zoom in as necessary.*
- 6 Continue placing points along the desired path.
- 7 Curved lines are created automatically. For corners and straight sections, hold down the Ctrl key.  
*You can move points after the line has been created. To delete points, use Delete Points  in the Home tab.*
- 8 Right-click to end the line. The emboss line will appear on the selected fill or other area.
- 9 Repeat to place as many embossed lines as desired.  
*To change an embossed line, move its points, or use Insert Points  or Delete Point  in the Home tab.*  
*Use Delete Emboss Line  in the Edit tab to remove an embossed line. See "Delete Emboss Line" on page 401.*

## MultiWave Line

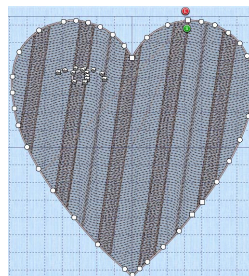
Use the MultiWave Line functions Freehand MultiWave Line  and Precise MultiWave Line  to create a line that shapes the wave patterns in a MultiWave Fill.

## Freehand MultiWave Line

Use Freehand MultiWave Line  to draw a line that shapes the wave patterns in a MultiWave Fill.



MultiWave Fill, using two long MultiWave lines to shape the flow of the fill within a leaf



MultiWave Fill, using a short MultiWave Line to add texture to an embroidery






*Use a long line to position the stitch lines in an embroidery, or use a short line to add texture to the stitching. The lines do not have to be within the fill area, however they should not cross each other. Vary the density or use a motif to change the effect.*

## Shortcuts


- Freehand Create Tab, Enhance: 

- Keys: Alt, R, W; Alt, Q, W, F


## Create a Freehand MultiWave Line

- 1 Select a MultiWave Fill area.
- 2 Click the Freehand Create tab.
- 3 Click the Freehand MultiWave Line  icon.
- 4 Draw a line over or near the selected area.  
The MultiWave line will appear on the fill, with the first point as a square and later points as circles, except for a square final point. The wave patterns in the fill will follow this line.  
*To follow a background picture, select 2D View  in the View tab, and zoom in as necessary.*  
*You can move points after the line has been created. To add or remove points, use Insert Points  or Delete Points  in the Home tab.*
- 5 Repeat to place as many MultiWave lines as desired. Right-click to deselect the function.  
*Use Delete MultiWave Line  in the Edit tab to remove a MultiWave line. See "Delete MultiWave Line" on page 401.*






# Precise MultiWave Line

Use Precise MultiWave Line  to place points to form a line that shapes the wave patterns in a MultiWave Fill.


## Shortcuts

- Precise Create Tab, Enhance: 
- Keys: Alt, P, W; Alt, Q, W, P

## Create a Precise MultiWave Line

- 1 Select a MultiWave Fill area.
- 2 Click the Precise Create tab.  
*To follow a background picture, select 2D View  in the View tab, and zoom in as necessary.*
- 3 Click the Precise MultiWave Line  icon.
- 4 Click to place your first point. The point appears automatically as a small hollow circle.
- 5 Click to place a second point.
- 6 Continue placing points along the desired path.
- 7 Curved lines are created automatically. For corners and straight sections, hold down the Ctrl key.
- 8 Right-click to end the line. The MultiWave line will appear on the fill, and the wave patterns in the fill will follow this line.  
*You can move points after the line has been created. To add or remove points, use Insert Points  or Delete Points  in the Home tab.*
- 9 Repeat to place as many MultiWave lines as desired.  
*Use Delete MultiWave Line  in the Edit tab to remove a MultiWave line. See "Delete MultiWave Line" on page 401.*

## Bezier Mode

Use Bezier Mode  to draw shapes with finely graduated curves. Control the exact shape of the line using the black handles to either side of the points you place.

Click to place Corner points, or click and drag to place curve points with handles.



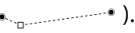

For information on Control Points and the other Bezier Line editing tools, see "Convert Points and Bezier Lines" on page 398.

## Creating Bezier Lines

When creating Bezier lines, press the Delete key to remove the last placed point.



- Click without dragging to create a Corner point (no handles)
- Click and drag to create a Smooth point (the handles are initially symmetric)

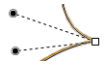
Use the Ctrl key while drawing to affect how the handles are placed:

- Hold down the Ctrl key while dragging to place the first handle opposite the position where the key was pressed, and the second handle where the mouse button was released (the handles are asymmetric and can be angled ).
- Hold down the Ctrl key before clicking, then drag and release. A single handle is placed where the mouse button was released. 


## Editing Bezier Lines

When a point is dragged, its handles move with it, keeping the same angle and distance.







- The handles on a Smooth point can be moved independently along the straight line between the point and handles.
- The handles on a Symmetric point stay the same distance from their point when moved along the straight line between the point and handles.
- Hold down the Ctrl key while dragging a handle to create an angle at the point between the two handles.
- Use Insert Points  and Delete Points  on the Home tab to add and remove points from the Bezier line.

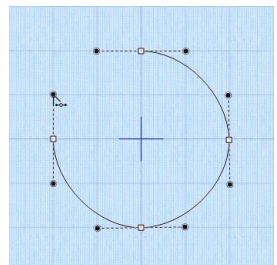
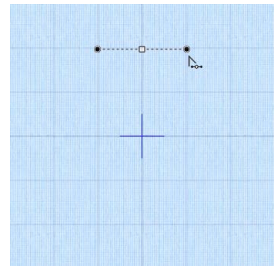


## Shortcuts

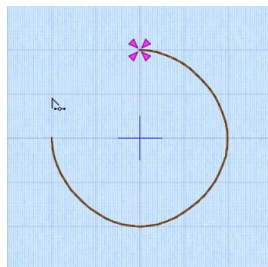
- Precise Create Tab, Options: .
- Keys: Alt, P, BM

## Draw a Circle in Bezier Mode









- 1 In the Quick Access toolbar, click Change Hoop , and set the hoop to Universal, 100mm x 100mm - Universal Square Hoop 1.
- 2 Click the View tab, and ensure that Grid size is set to 10mm.
- 3 Click the Precise Create tab.
- 4 Ensure that Fill and Appliqué are not selected (not highlighted).
- 5 Set the Line Type to Triple Stitch .
- 6 Click Bezier Mode , to select (highlight) it.
- 7 Click Create Area or Line  to select it. The Bezier Mode pointer appears .
- 8 Click to place a point, then click to place three more of these square points in a rough curve.
- 9 Right-click to finish the line. The points are joined by straight lines.  
*These are Corner Points, in Bezier Mode they are joined by straight lines.*
- 10 Click Undo to remove the line.
- 11 Starting 2 squares above the center of the hoop, click and drag to the right one square, to the crosshairs of the next grid square.
- 12 Release the mouse button.  
*A white square (a Point) appears at the place where you clicked, and a black handle appears at the place where you released the button. This is the forward handle.*
- 13 Note that a second handle has appeared the same distance behind the white point.  
*This is the backward handle, it is the same distance from the white point as the forward handle (it is symmetrical).*
- 14 Starting 2 squares to the right of the center of the hoop, click and drag downwards one square, then release the mouse button.  
*A curved line appears between the two square white points.*
- 15 Starting 2 squares below the center of the hoop, click and drag one square to the left to place the next section of the curved line.
- 16 Then, starting 2 squares to the left of the center of the hoop, click and drag one square upwards to place another section of the curved line.  
You should now have three quarters of a circle.
- 17 Move the pointer over the square white point on the right. The pointer changes to the Move pointer .
- 18 Drag the point and place it exactly where the grid lines cross.
- 19 Move the pointer over the forward handle for that point (the black handle below the point that you just moved).

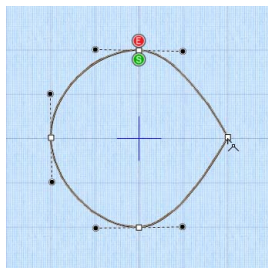
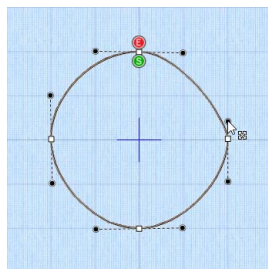
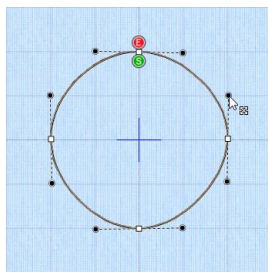


- 20 Drag the handle a about half a square downwards. The backward handle for this point moves the same distance upwards.  
*While you are still placing points, if you adjust the handles they behave symmetrically. You can also drag to add symmetrical handles to a Corner point.*
- 21 Move the handle to the right and left.  
*Note that the curved line changes shape as you move the handle.*
- 22 Move the forward handle so that both handles are over the cross hairs of the squares above and below the point, and so that the line between the handles runs along the grid line.
- 23 If needed, adjust the other points and handles so that you have a smooth three quarters curve.
- 24 Right-click to place the line.
- 25 In the FilmStrip, right-click the Triple Stitch line that you just drew, and select Properties from the Context menu.
- 26 In the Line tab of the Fill Area and Line dialog box, select (check) Closed Border Line, then click OK. The line becomes a circle.







## Edit a Bezier Line

- 27 Click the Home tab.
- 28 Click Edit Points . The points and their handles are displayed.
- 29 Move the pointer over the handle above the point on the right (the backward handle for the second point in the line).
- 30 Drag the handle a short distance downwards. This time the handle below (the forward handle) does not move, and the shape of the circle distorts.  
*When editing a line the points are Smooth, and not Symmetric. The handles can be moved independently along the straight line.*
- 31 In the Convert Points  drop-down menu in the ribbon bar, select Convert Points to Symmetric .  
*Edit Points  is no longer highlighted.*
- 32 Move the pointer over the point whose handles you just changed. The pointer changes to the Convert Points to Symmetric pointer .
- 33 Click on the point. The handles become symmetrical, and the shape you drew becomes a circle again.
- 34 Right-click to deselect Convert Points to Symmetric.  
*Edit Points is highlighted again.*
- 35 Move the pointer over the handle above the point on the right and move it downwards. The handle below the point moves with the handle above the point.  
*Using Convert Points to Symmetric locks the handles into Symmetric mode while editing.*
- 36 In the Convert Points  drop-down menu in the ribbon bar, select Convert Points to Smooth . Edit Points is no longer highlighted.  
*For more information on Control Points and the other editing tools, see "Convert Points and Bezier Lines" on page 398.*
- 37 Move the pointer over the point whose handles you just changed. The pointer changes to the Convert Points to Smooth pointer .
- 38 Click on the point.
- 39 Right-click to deselect Convert Points to Smooth. Edit Points is highlighted again, and you can now move the handles independently.  
*If you move a handle very close to its point and release the mouse button, the handle will vanish. The section of the line without a handle becomes straight. Use Convert Points to Smooth to regain use of both handles.*





















- 40 In the Convert Points  drop-down menu in the ribbon bar, select Convert Points to Corner .
- 41 Move the pointer over one of the points in your line. The pointer changes to the Convert Points to Corner pointer .
- 42 Click on the point. It now has no handles, and the sections of the line by it are straight.  
*There are no handles to drag, so you can only change the line by moving this Corner Point. Use Corner Points for straight lines.*
- 43 Right-click to deselect Convert Points to Corner, and then in the Convert Points drop-down menu select Convert Points to Smooth  and click that point again to return to handle adjustment.
- 44 Right-click to deselect Convert Points to Smooth.  
*To create a corner point with full control over the angle of the lines, hold down Ctrl and click the point. You can then move the handles independently.*  
*To create a flower design from a motif using Bezier lines see "Draw a Flower using Bezier Curves" on page 255.*


## How to Create Lines with Precise Create



### Outline the Fleur de Lys With a Satin Line

- 1 Click File, New  or File, New Window  and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'Fleur de lys with bars'. Click Finish.  
*Alternatively, use the design from "Create the Band and Feathers for a Fleur de Lys" on page 364.*
- 2 Click the Precise Create tab.
- 3 Ensure that Fill and Appliqué are not selected (not highlighted).
- 4 Click Create Area or Line  to select it. The Create Cursor appears .
- 5 Note the position of the Create Cursor . This marks the end of the last object in the design. If it is not on the left side of the base of the left feather, follow steps 6 to 9. Otherwise see step 10.
- 6 Ensure that Line is selected, and in the Line drop-down list select Running Stitch .
- 7 Move the pointer towards the Create Cursor, until it changes to the diagonal pointer  and click to place a point over the Create Cursor.
- 8 Place a second point to draw a straight line to the left side of the base of the left feather.
- 9 Right-click to end the line.  
*If desired, use 2D and zoom in to see more clearly.*
- 10 In the Line drop-down menu, select Satin Line .
- 11 Placing the first point on top of the Create Cursor , place points to draw a line around the left feather to the base on the right. Use Ctrl to place square points at the tip.
- 12 Right-click twice to finish the line, and to deselect Create Precise Area or Line.
- 13 Right-click the satin line to open the Fill Area and Line dialog box.
- 14 Ensure that Density is set to 4 and that Underlay is selected (checked). Set Width to 2.5mm.
- 15 Click the Favorites tab. Click 'Set these options as the current settings' . Then click OK to close Fill Area and Line dialog box.  
*When you next use Satin Line, the settings that you have just set up for satin line will be used. This is an alternative way to set the Options.*
- 16 In the Line drop-down menu select Running Stitch .
- 17 Use Create Precise Area or Line  to create a straight line from the Create Cursor to the left side of the base of the middle feather, and right-click to finish the line.  
*A satin line is not placed along the side of the band as the whole of the band will be outlined in satin later.*
- 18 In the Line drop-down menu, select Satin Line .

**19** Create Precise Area or Line  is still selected. Draw a line around the middle feather from the Create Cursor  to the base on the right. Use Ctrl to place square points at the tip. *Place roughly the same number of points on similar curves so that the feather borders have the same appearance.*



**20** Right-click to finish the line.

**21** In the Line drop-down menu select Running Stitch  and then use Create Precise Area or Line to create a straight line from the Create Cursor to the left side of the base of the right feather.



**22** In the Line drop-down menu, select Satin Line . Then use Create Precise Area or Line to draw a line around the right feather from the Create Cursor  to the base on the right. Use Ctrl to place square points at the tip.

**23** Right-click to finish the line.

**24** Click Life View  to see the border around the feathers. Click Cancel.

**25** In the Line drop-down menu select Running Stitch . Starting at the Create Cursor, use Create Precise Area or Line  to create angled lines around the right side of the band and down to the base of the fleur de lys.

**26** Right-click to finish the line.


**27** In the Line area, select Satin Line . Then use Create Precise Area or Line  to draw a line around the base of the fleur de lys.

*Use Ctrl to place square points where the base joins the band, and at the tips and angles of the base.*

**28** Click to place a square point where the base of the fleur de lys meets the band on the left.


**29** Click to place a square point at each corner of the band, finishing back where you started at the left side of the base of the fleur de lys.

**30** Right-click twice to finish the line, and to deselect Create Precise Area or Line.

**31** Click Life View  to see the border around the complete fleur de lys. Click Cancel.

**32** In the FilmStrip, scroll up to the top. This takes you to the start of the design.

**33** Select the Satin Line circle. This should be object number 3 in the FilmStrip.

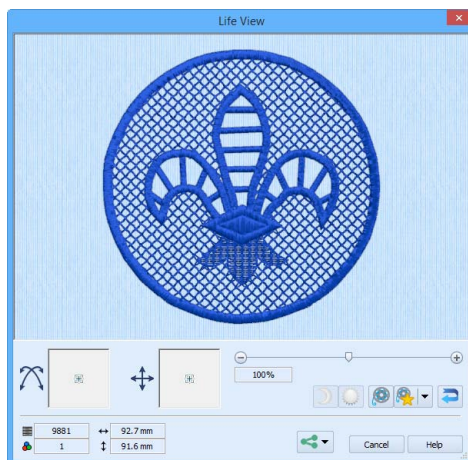
**34** Click Move to Front of Design . *The circular satin line will be placed at the front of the design (the bottom of the FilmStrip), below the satin line for the base of the fleur de lys. It will be stitched out last.*


**35** In the FilmStrip, scroll up to the top.

**36** Select the blue thread color in position 1.

**37** Right-click the thread and select Properties. The Color Selection dialog box opens.

**38** Ensure that the thread range is set to Robison-Anton Rayon 40, and enter 2232 in the Find Thread box. Thread 2232 (Ecru) will be selected. Click OK.



39 In the Design Panel, click the Edit  button next to the Notes box.

40 In the Notes dialog box use the quick keyword selector to add the keyword 'Heirloom'. Click the plus sign next to the heading to see more options and add the keywords 'Free Standing Lace' and 'Cutwork Richelieu' from the list. Then click OK.

41 Click Life View  to view the finished design. Click Cancel.


42 Click Save  and browse to Documents\Premier+2\My Designs.

43 Set the file name to 'Fleur de Lys' and click Save.

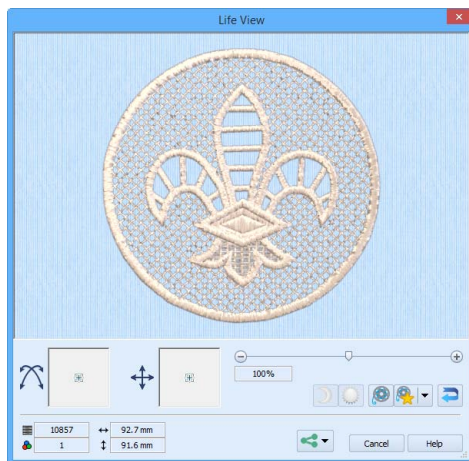
44 Click Export , and set the file format to .vp4, then click OK.

*The preferred file format for saving embroideries is .vp4 format as this will preserve the separate parts of multipart designs. It also preserves thread color information and notes.*

45 In the Save As dialog box, browse to Documents\Premier+2\My Designs and export the embroidery as Fleur de Lys\_Exported.


46 Click Print  to print the embroidery worksheet.

*For free-standing lace, embroider your design on heavy-weight water-soluble stabilizer. When finished, rinse the embroidery in lukewarm water to remove the stabilizer. Let dry and press the lace flat. Alternatively, embroider the design with cutwork for the fleur de lys feathers. Hoop up with linen fabric and water-soluble stabilizer underneath. When you embroider the design, trim out the cutwork areas.*



## Draw a Flower using Bezier Curves

1 Open PREMIER+™ 2 Create and in the Choose Design Type page of the ExpressDesign Wizard, select Load a Picture into the Paint Window. Click Next.

2 In the Choose Picture Window, click Load a Picture , browse to the folder Documents\Premier+2\Samples\Create\Pics, and load the file 'Motif Flower.png'. Click Next.

3 In the Rotate and Crop Picture page, click Select All, then click Next.

4 In the Design Size page, select Enter Design Size, click Change Hoop, and set the hoop to Universal, 100mm x 100mm - Universal Square Hoop 1. click Next.

5 In the Reduce Colors page, click Finish.


6 Click the View tab, and ensure that Grid size is set to 10mm.

7 In the FilmStrip, right-click the color block and select Properties from the Context menu.

8 In the Color Selection dialog box, click the pink in the Quick Colors (the second color in the bottom row) and then click OK.





9 Click the Precise Create tab.

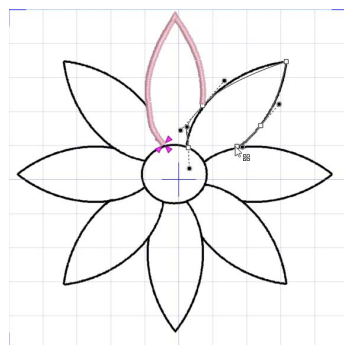
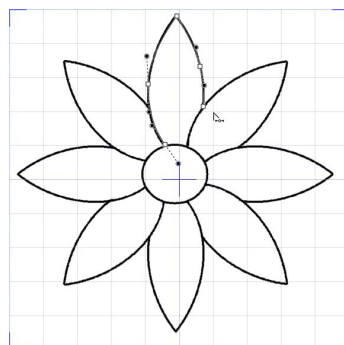
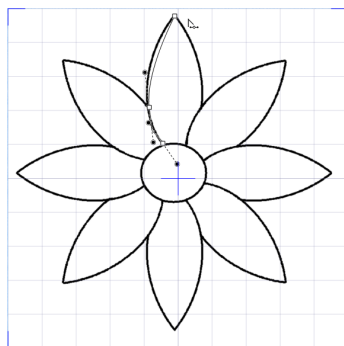
10 Ensure that Fill and Appliqué are not selected (not highlighted).

11 Set the Line Type to Satin Line .

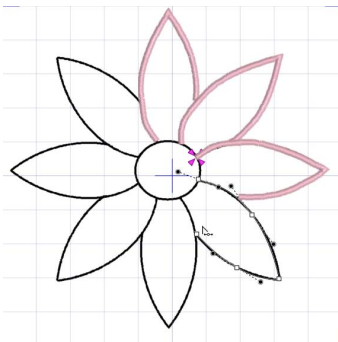
12 Click Fill Area and Line  to open the properties dialog box.



13 Set the Line width to 1.5mm, then click OK.

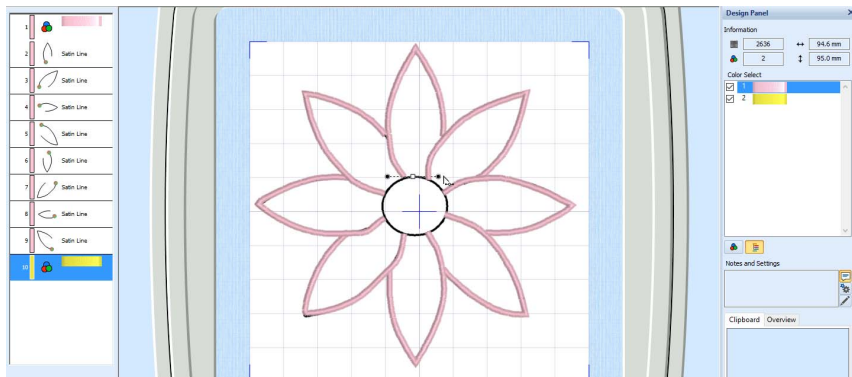
- 14 Click Bezier Mode  to select (highlight) it.
- 15 Click Create Area or Line  to select it. The Bezier Mode pointer appears .  
See "Draw a Circle in Bezier Mode" on page 251 for the essentials of drawing Bezier lines.
- 16 At the left side of the base of the petal at the top, click and drag up and slightly to the left, then release the mouse button.
- 17 Starting where the petal to the left meets the petal you are drawing, click and drag upwards a short distance to where the next set of grid lines cross.
- 18 Click (without dragging) to place a point at the tip of the petal. This is a Corner point.
- 19 Move the pointer over the second square white point. The pointer changes to the Move pointer .
- 20 Drag the point a short distance up and to the left, along the outline of the petal until the curved line underneath fits the outline of the drawing.
- 21 Click and drag downwards a short distance from the mid point of the right side of the petal.
- 22 Click to place a single point where the line touches the next petal.  
*As you become more skilled, try clicking and dragging to place a curved line using a single point at the base of the petal.*
- 23 Right-click to place the line.  
*The curve of the line will probably need some adjustment, but this is better done later, after you have placed lines for the other petals.*
- 24 At the left side of the base of the petal to the right of the one that you just drew, click and drag upwards a short distance, then release the mouse button.
- 25 Starting where the petal to the left meets the petal you are drawing, click and drag diagonally towards the top right corner of the hoop.
- 26 Release the mouse button when you reach the grid line above.
- 27 Click (without dragging) to place a point at the tip of the petal.
- 28 From the mid point of the right side of the petal, click and drag diagonally towards the bottom left corner of the hoop.
- 29 Click to place a single point where the line touches the next petal.
- 30 Use the Move pointer to adjust the position of the white squares so that the curved line fits the picture behind.  
*You can further adjust the Bezier line using the black handles.*




- 31 Right-click to place the line.
- 32 Starting at the bottom left of the third petal, click and drag a short distance diagonally to the right to place the first point.
- 33 Where the outline of the petal meets the grid, click and drag a horizontal line a short distance to the right to place the next part of the curve.
- 34 Click to place a point at the tip of the petal.
- 35 Mid way down the other side of the petal, click and drag to the left and slightly down to place the next point.
- 36 At the base of the petal, click to place a final point, then right-click to place the line.
- 37 Place Bezier curve lines to draw the other petals, finishing at the petal to the left of where you started.  
*If you move the black handle to the left or right as you draw, you can place the curve to follow the outline, often with no need for later editing.*

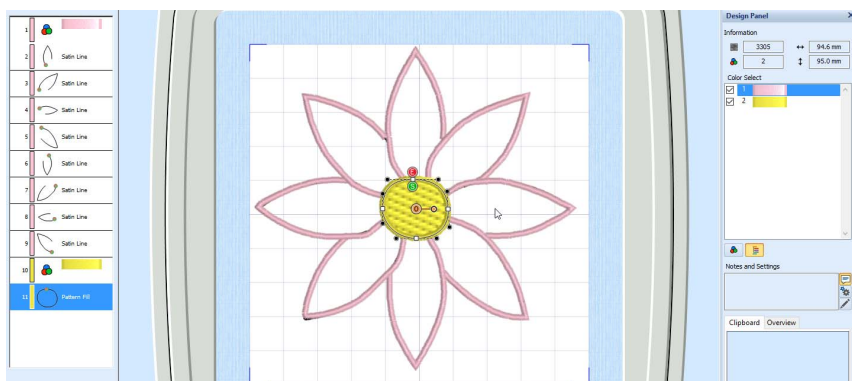


- 38 In the ribbon bar, click Add Color Change .
- 39 Click the yellow at the bottom right corner of the Quick Colors, then click OK to select the yellow thread.
- 40 Set the Fill Type to Pattern Fill  (it will be highlighted).
- 41 Starting at the top of the center of the flower, click and drag a short distance to the right, then release the mouse button.




- 42 Click and drag vertical and horizontal lines of similar lengths to place the other three points creating the circle.
- 43 Right-click to place the center of the flower.

- 44 Click the Home tab, then click Edit Points . The points you drew for the center of the flower can be seen.




- 45 In the FilmStrip, click on each petal in turn, and make a note of the ones you will need to adjust.  
46 Click the View tab.

- 47 Click Object View , to see the outline of the Bezier lines clearly.

- 48 Drag the Background slider to fade the background so that the Bezier lines can be seen over the original picture.


- 49 Adjust the handles on the points to make the Bezier line follow the background.

*If the handles from two different points overlap, move both nearer to their own point, to smooth the curve.*

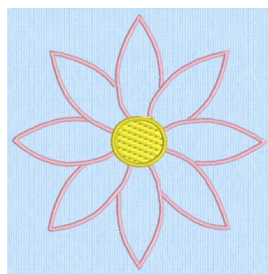
- 50 Switch between Object View  and 3D View  to check the effect of your changes on the Satin Line.

*For more information on editing, see "Edit a Bezier Line" on page 252.*

- 51 When you have made your changes on one petal, select the next petal in the FilmStrip and adjust that one.

*If you find that one of corner points actually has very short handles, either use Convert to Corner  in the Home tab to change it to a corner, or drag the handles sufficiently close to their point that they vanish.*

- 52 Save your flower. You can adjust it further when you open the file again.



## Editing Fills and Lines

Edit a fill or line in the Fill Area and Line properties dialog.




### Edit a Line or Fill

- Select the desired fill area or line, and right-click it. The Fill Area and Line properties dialog appears.

*See "Fill Area and Line Properties" on page 38.*




Alternatively, to change the properties of selected fills or lines at one time, do as follows:




- 1 In the FilmStrip, hold the Ctrl key and click each of the fills or lines to be changed.
- 2 Right-click one of the selected areas and select Properties. The Fill Area and Line dialog box will appear. All settings in the Fill Area and Line dialog box will be applied to your selected fills and lines when you click OK.


*You can also move the green start , red end  and/or orange origin  marker for selected fill areas.*



# Creating Holes

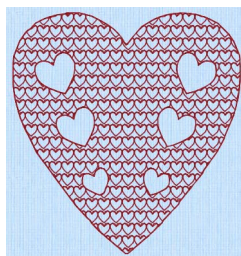
Use the Hole functions QuickStitch™ Hole , Freehand Hole  and Precise Hole  to create holes in existing fill and satin areas.

-  QuickStitch™ Hole  
See “QuickStitch™ Hole” on page 239.
-  Freehand Hole  
See “Freehand Hole” on page 246.
-  Precise Hole  
See “Precise Hole” on page 246.

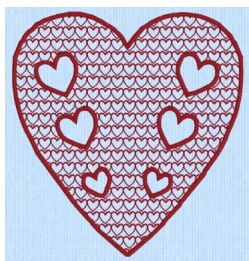
Alternatively, use QuickStitch™ + AutoHole  to add holes automatically during fill creation. See “QuickStitch™ + AutoHole” on page 238.



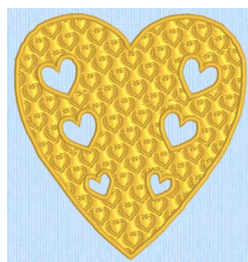
Fill Area with holes using Pattern Fill 111 from Hearts



Fill Area with holes using Motif Fill Pattern 6 from General Motifs 1






Fill Area with Satin border and holes using Motif Fill Pattern 6 from General Motifs 1




Fill Area with Satin border and holes using Pattern Fill 109 from Hearts

## Create Holes in a Fill

- 1 Click the desired area to select it.
- 2 In the Fill Area of the Create tab, click the desired Hole function.  
Choose from QuickStitch™ Hole , Freehand Hole  and Precise Hole .
- 3 Cut the hole using the selected hole function.
- 4 Repeat to create more holes, as desired. Right-click to deselect, or simply select another Create tool.


## Appliqué

Add appliqué when creating an area or line, with the ability to choose your preferred fabric or picture and an appliqué placement method.

Select Appliqué  when creating an area or line, choose an appliqué fabric or picture in the Appliqué Selection dialog box, and choose a placement method in the Appliqué tab of the Fill Area and Line options. See “Appliqué” on page 39.

Click Select Appliqué Fabric in the Appliqué drop-down menu to choose an appliqué fabric in the Appliqué Selection dialog box. See “Appliqué Selection” on page 260.

### Shortcuts

- Quick Create Tab, Fill Area and Line; Freehand Create Tab, Fill Area and Line; Precise Create Tab, Fill Area and Line: 
- Keys: Alt, Q, A; Alt, R, A; Alt, P, A

## Appliqué Selection

Use the Appliqué Selection dialog box to select a fabric or picture to use for appliqué. Click OK to use the selected appliqué fabric.

Preview the appliqué fabric

Select a Quick Color & texture

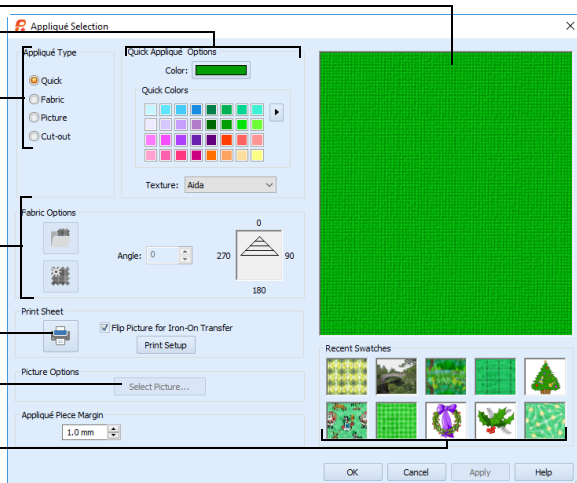
Choose an appliqué type

Choose a system fabric or add a new one

Print a sheet of appliqué fabric

Load an individual picture for printed appliqué

Reuse a recent fabric



### Appliqué Type

Choose an appliqué type (or simply select one of the recently used swatches). Select from:

- Quick  
Select a color and texture for your fabric. See “Quick Appliqué Options” on page 261.

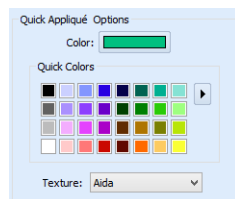


- **Fabric**  
Select a background fabric, or add a new background fabric from a picture. Set the angle for the fabric. See “Fabric Options” on page 261.
- **Picture**  
Create in individual non-tiling appliqué from a picture. For instance, use a photo for a printed appliqué memory piece. See “Picture Options” on page 262.
- **Cut-out**  
Create an appliqué placement line as a guide to where the fabric should be cut to form a hole; for example, for reverse appliqué.

## Quick Appliqué Options

*The Quick Appliqué Options are available when Quick is selected in Appliqué Type.*

Select a color and texture for your fabric.



### Color

Click the color sample to change the color in the Colors dialog box. See “Colors Dialog Box” on page 277.

### Quick Colors

Click one of the Quick Colors to select a color for the fabric. Use the drop-down menu to choose a different Quick Colors theme, or to create your own theme. See “Quick Color Themes” on page 275.


### Texture

Select the texture to use for the fabric. Click on the down arrow and choose the desired fabric type.


## Fabric Options

*The Fabric Options are available when Fabric is selected in Appliqué Type.*

### Load Previously Saved Fabric

Use Load Previously Saved Fabric  to load a sample fabric, or a fabric from My Fabrics, in the Picture Viewer. See “Background Picture Viewer” on page 262.

### Add New Background Fabric

Use Add New Background Fabric  to create a new fabric background in the Background Wizard. See “Background Wizard” on page 263.



### Angle

Use Angle to change the angle at which the pattern will be displayed.

*You may also change the angle and position of the fabric pattern directly by selecting the appliqué piece in the work area.*

Enter an Angle from 0 to 359 degrees. The initial setting is 0. Alter the Angle by entering a number in the box, or use the up and down arrows to change the number. Changes in Angle are visible in the preview pane.

## Print Sheet

Print a sheet of appliqué fabric from the selected Quick Appliqué or Fabric pattern. Flip the picture for an iron-on transfer, and select a printer and paper size in the Print Setup dialog box. See “Print Setup” on page 431.

## Picture Options

*The Picture Options are available when Picture is selected in Appliqué Type.*

Click Select Picture to create a picture background in the Load Picture Wizard. See “Load Picture Wizard” on page 269.

## Fabric Preview

The chosen fabric is previewed on the right.

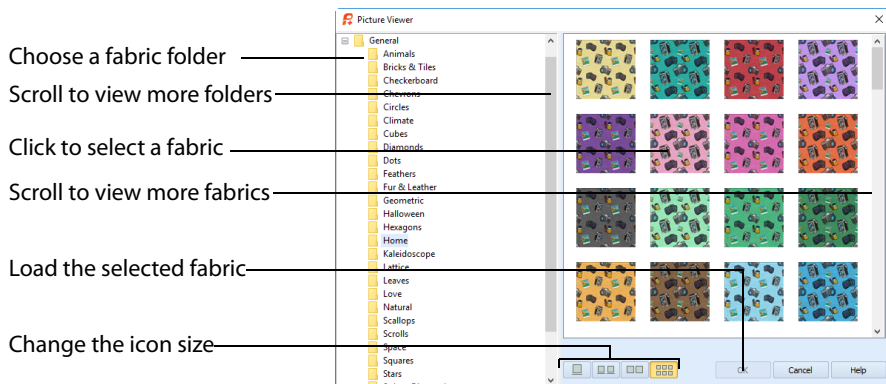
## Recent Swatches


Select a recently used fabric to use again.

- Keys: Alt, Q, A, F; Alt, R, A, F; Alt, P, A, F


## Background Picture Viewer

Use the Picture Viewer to select a fabric from the system fabrics, or from the My Fabrics folder with fabric backgrounds you have added.



To open the Picture Viewer, in the Appliqué Selection dialog box select Fabric, then click Load Previously Saved Fabric .

Open a folder, and scroll down and click a fabric to select it. Click OK to load the fabric in the Appliqué Selection dialog box.

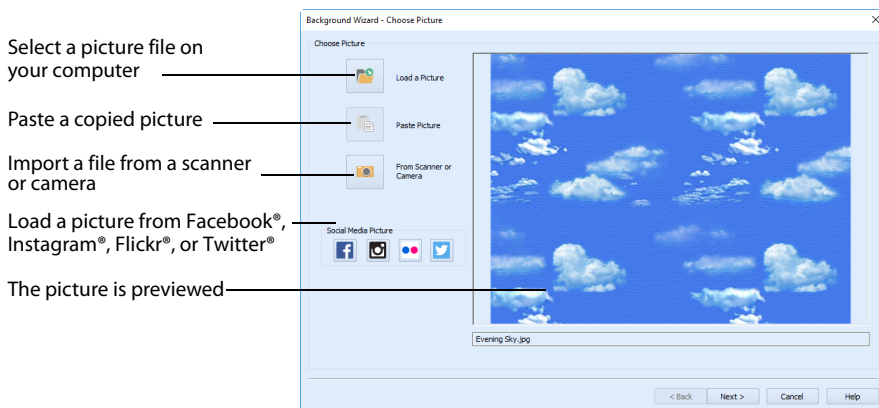
To create a new fabric in the Background Wizard, in the Appliqué Selection dialog box select Fabric, then click Add New Background Fabric . See “Background Wizard” on page 263.

# Background Wizard

Use the Background Wizard to create a new appliqué fabric from a picture.


## Choose Picture

Use the Choose Picture page of the Background Wizard to select a picture for the new appliqué fabric.

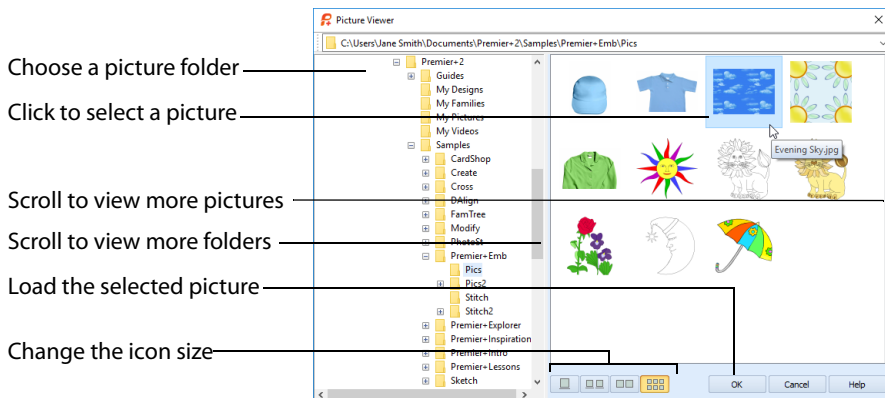


*From Scanner or Camera will not be available if you do not have a WIA compliant scanner or digital camera attached to your computer.*

## Load a Picture

Click Load a Picture  to open a picture from clipart, or one you have previously saved, scanned or created in an image editor. Click to select a picture, then click OK to continue.


*Hover the pointer over a picture to see a tooltip showing its name. The name may also be displayed below the picture, depending on the chosen icon size.*




The following file formats may be loaded: Windows or OS2 Bitmap (.bmp), JPEG-JFIF Compliant (.jpg, .jif, .jpeg), Portable Network Graphics (.png), Tagged Image File Format

uncompressed (.tiff, .tif), Windows Meta File (.wmf), Windows Enhanced Meta File (.emf) and Windows Icon (.ico).

## Load a Picture for a Background


- 1 Click Load a Picture  and the Picture Viewer dialog box appears.
- 2 Double-click to expand the folders until the desired folder is highlighted.
- 3 If desired, change the icon size to see more or fewer pictures.
- 4 Click on a picture to select it.
- 5 Click OK to open the picture in the Choose Picture page, with its name underneath.
- 6 Click Cancel to exit without selecting a picture.

## Paste Picture

Use Paste Picture  to load the picture in the Clipboard Block.

*Paste Picture is not available if the Clipboard block is empty.*

## From Scanner or Camera

Use From Scanner or Camera  to display the program that is used to acquire pictures from a scanner, a digital camera or another suitable device. Only devices that use Windows Image Acquisition (WIA) can be used to obtain pictures.

*WIA (Windows Image Acquisition) is a standard method for transferring pictures from the device's scanning or downloading program to another program, in this case the PREMIER+™ 2 Create module of the PREMIER+™ 2 Embroidery System. If the manufacturer provides the appropriate software components needed for WIA compliance, these should have been installed when the device was installed.*

Each scanner or digital camera has its own program that is used to scan or download pictures. Refer to the manual or online help provided with the program for instructions, if required. When the device and its software finish processing the Picture, it will be shown in the Choose Picture page.

## Social Media Picture



Load a picture from Facebook® , Instagram® , Flickr® , or Twitter® . Log in to the Social Media website to load the desired picture.

## Preview and Name

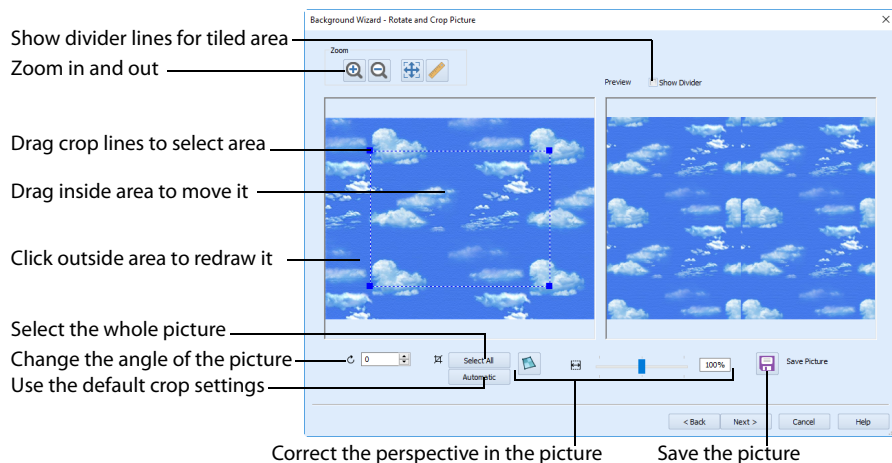
Under the preview pane is a box for the name of the chosen file. If the picture is a scanned image then the box will contain the words Scanned Picture.

# Rotate and Crop Picture

Use the Rotate and Crop Picture page to select the section of the picture that is to be used to create the background, and rotate the picture. If required, adjust the crop lines to select the desired part of the picture.

- To adjust the crop area, position the mouse over the crop boundary until a double-headed arrow  appears, then click and drag to move the boundary line.
- To move the crop area, position the mouse inside the crop boundary until a four-headed arrow  appears, then click and drag to move the whole rectangle.
- To redraw the crop area, click and drag outside the crop boundary to draw a new rectangle, which can then be adjusted as required.

Initially, about half the area of the picture is selected from the middle of the picture, as shown by the dashed box in the picture on the left. The preview on the right shows four copies of the selected fabric area tiled together.





The tiled preview will change dynamically as you change the crop area.

To see where the four sections of the background are joined, select the Show Divider option. Dashed lines show where the tiled sections will be joined. This is useful for patterned fabric, to ensure the pattern repeats as desired.

When the desired area is selected, click Next.

## Rotate

Rotate  the picture from 0 to 359 degrees. Adjust the picture angle as desired. This is often necessary with scanned pictures.

Enter the desired Rotation angle  or use the up/down arrows to change the angle. The preview will show the effect.




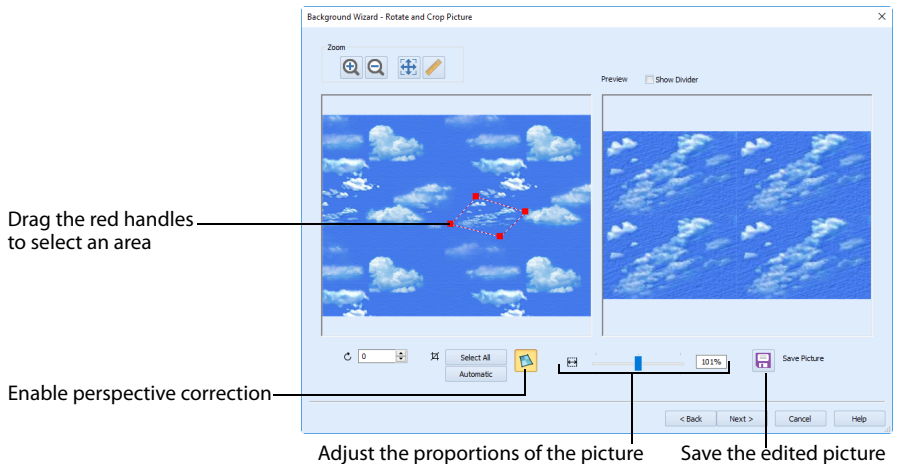
When the picture is rotated between the 90 degree steps, the picture is made larger and white background is added.



## Select All and Automatic

Use Select All to select the whole of the picture. Use Automatic to set the crop lines back to the default position for the current picture.

## Perspective Correction

To remove the effects of perspective in a picture, or to correct skew, select Perspective Correction . When using Perspective Correction, the crop handles are red.







Move the red handles so that the crop lines frame the picture. Use the Zoom tools to view the outline of the picture more clearly. Drag the Stretch Picture  slider to make the picture in the Preview wider or narrower. Use Save Picture  to save your edited picture.


## Zoom


Use the Zoom functions to change the view of the picture.

*The fabric preview on the right is not affected by zoom.*

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

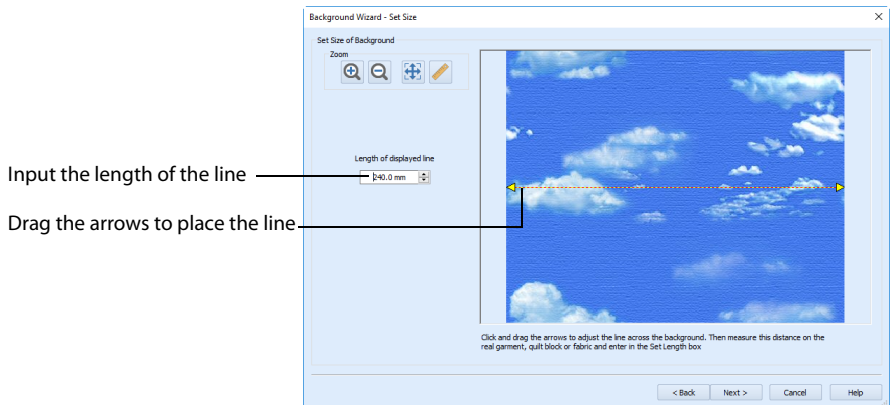
Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Set Size

Use Set Size to enter a real measurement of the fabric so that it will be displayed at real size when it is used as the appliqué fabric.



The cropped section of fabric is shown in the preview. Click and drag the arrows at either end of the yellow line to place a line across the picture. This should match a measurement you have made across the same area of the real fabric.

Then enter the length of the line in the 'Length of displayed line' text box, or use the up/down arrows.

The length can be from 1mm to 300mm. However, the fabric tile must not be larger than 300mm x 300mm, so if the line does not span the whole picture it must be shorter than 300mm.

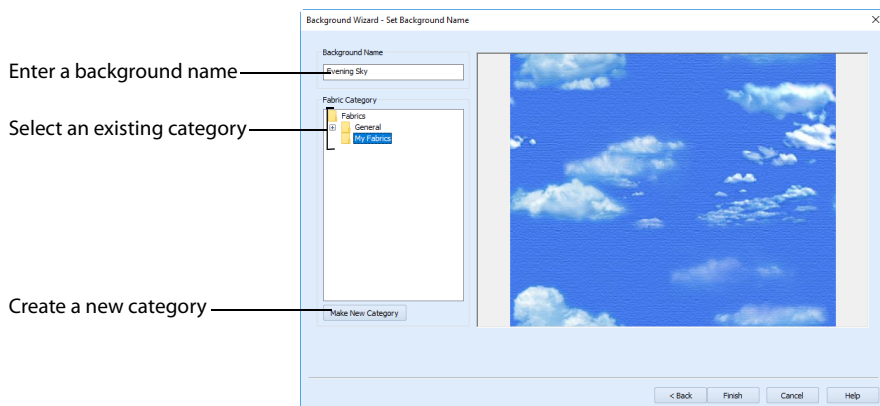
*If the length would make the fabric tile larger than 300mm in either dimension, a message will appear. Repeat the process so that the tile is smaller.*

Click OK and the measurement you entered will be shown next to the picture. Check that the line and the length matches the measurement you made of the real fabric. If desired, click and drag the arrows to place a new line and re-enter the line length.

When the line is measured correctly, click Next.

## Set Background Name

Use Set Background Name to save the finished appliqué fabric in a category and give it a name. The categories are the folder names you will see when browsing for existing backgrounds.



### Background Name

If you started with an existing picture, the picture name will be shown by default as the name for the new background. If you scanned a new picture, it will not have a name so you will need to enter a name.

### Fabric Category

The default category is My Fabrics. To choose a different category, browse among the folders in Fabrics.

Select from existing categories, or click Make New Category to provide the name of a new category.

### Make New Category

To make a new category, click Make New Category, and enter a new folder name. Click OK to create the category.

*The new category will be created as a subfolder for the currently selected type.*

When make a new category, it will be available as a Fabric Category next time you use the Background Wizard.

### Finish

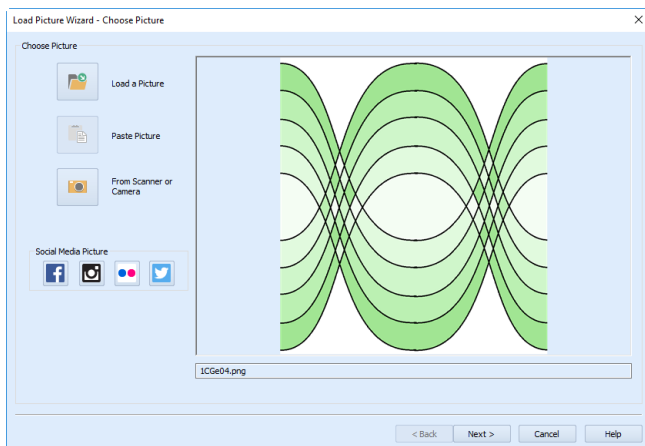
Click Finish to save the new background with the specified name in the specified Fabric Category and close the Background Wizard. The selected or new background will be displayed in the work area.



# Load Picture Wizard


Use the Load Picture Wizard to use a picture as an individual non-tiled appliqué background, for example for a printed appliqué memory piece.

## Choose Picture

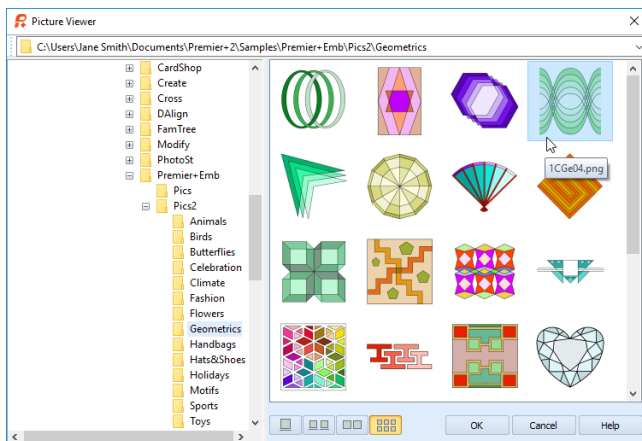


Use the Choose Picture page to select the picture you wish to use as a background.

### Load a Picture

Click Load a Picture  to open a picture from your My Pictures folder. Alternatively, browse to a folder elsewhere on your computer.


*Hover the pointer over a picture to see a tooltip showing its name. The name may also be displayed below the picture, depending on the chosen icon size.*




The following file formats may be loaded: Windows or OS2 Bitmap (.bmp), JPEG-JFIF Compliant (.jpg, .jif, .jpeg), PatternCAD (.4dq), Portable Network Graphics (.png), Tagged

Image File Format uncompressed (.tiff., tif), Windows Meta File (.wmf), Windows Enhanced Meta File (.emf) and Windows Icon (.ico).

## Load a Picture with the Viewer


- 1 Click Load a Picture  and the Picture Viewer dialog box appears.
- 2 Double-click to expand the folders until the desired folder is highlighted.
- 3 If desired, change the icon size to see more or fewer pictures.
- 4 Click on a picture to select it.
- 5 Click OK to open the picture with its name underneath.
- 6 Click Cancel to exit without selecting a picture.

## Paste Picture

Click Paste Picture  to load the picture in the Clipboard Block. The picture is shown in the preview area.

*Paste Picture is not available if the Clipboard Block is empty.*

## From Scanner or Camera

Use From Scanner or Camera  to display the program that is used to acquire pictures from a scanner, a digital camera or another suitable device. Only devices that use Windows Image Acquisition (WIA) can be used to obtain pictures.

*WIA is a standard method for transferring pictures from the device's scanning or downloading program to another program. If the manufacturer provides the appropriate software components needed for WIA compliance, these should have been installed when the device was installed.*

Each scanner or digital camera has its own program that is used to scan or download pictures. Refer to the manual or online help provided with the program for instructions, if required. When the device and its software finish processing the picture, it will be shown in the Choose Picture page.

## Social Media Picture

Load a picture from Facebook® , Instagram® , Flickr® , or Twitter® . Log in to the Social Media website to load the desired picture.

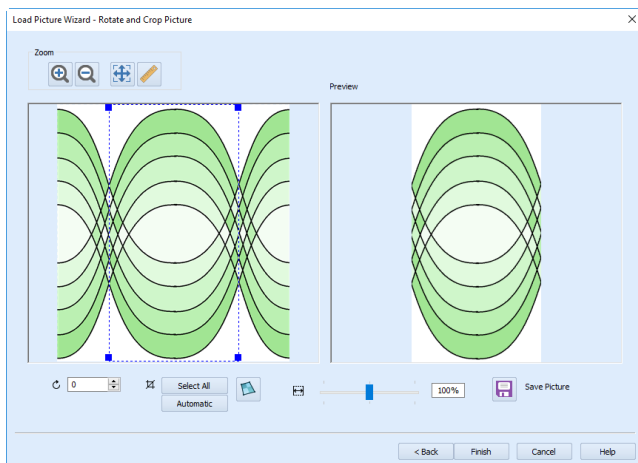
## Preview and Name

Under the preview pane is a box for the name of the chosen file. If the picture is a scanned image then the box will contain the words Scanned Picture.

## Next

Go to the Rotate and Crop Picture page.

# Rotate and Crop Picture




Use the Rotate and Crop Picture page to select the section of the picture that is to be used to create the appliqué background. If required, rotate the picture, and click and drag the boundary line of the crop area to select the desired part of the picture.


Click and drag anywhere inside the crop box to move the crop box.

*If you need to expand a crop box again, make sure it is not touching the edge of the frame, as this will stop it expanding.*

When the desired area is selected, click Finish.

## Rotate

Rotate  the picture from 0 to 359 degrees. Adjust the picture angle as desired. This is often necessary with scanned pictures.

Enter the desired Rotation angle  or use the up/down arrows to change the angle. The preview will show the effect.

When the picture is rotated between the 90 degree steps, the picture is made larger and white background is added.

## Crop

Select the section of the picture that is to be used to create the appliqué background. If required, rotate the picture, and click and drag the handles on the boundary line of the crop area to select the desired part of the picture.

Click and drag anywhere inside the crop box to move the crop box.


*If you need to expand a crop box again, make sure it is not touching the edge of the frame, as this will stop it expanding.*



When the desired area is selected, click Finish.

## Select All and Automatic

Use Select All to select the whole of the picture. Use Automatic to set the crop lines back to the default position for the current picture.



## Perspective Correction



To remove the effects of perspective in a picture, or to correct skew, select Perspective Correction . When using Perspective Correction, the crop handles are red.

Move the red handles so that the crop lines frame the picture. Use the Zoom tools to view the outline of the picture more clearly. Drag the Stretch Picture  slider to make the picture in the Preview wider or narrower. Use Save Picture  to save your edited picture.


## Zoom

Use the Zoom functions to change the view of the picture.

Use Zoom In  to magnify the view. Move the pointer over the picture and the pointer changes to the zoom in pointer . Then either click a point you want to zoom in towards, or click and drag a rectangle around the area you want to zoom in to and release the mouse button to zoom. When zoomed in, use the scroll bars to move around.

Use Zoom Out  to shrink the view. Move the pointer over the picture and the pointer changes to the zoom out pointer . Then click a point you want to zoom out from.

Click Zoom To Fit  to fit the picture to the preview area.

Click Real Size  to view the picture at its real size in pixels. This means that one pixel of the picture uses one pixel of the screen.

## Back

Return to the Choose Picture page.

## Finish

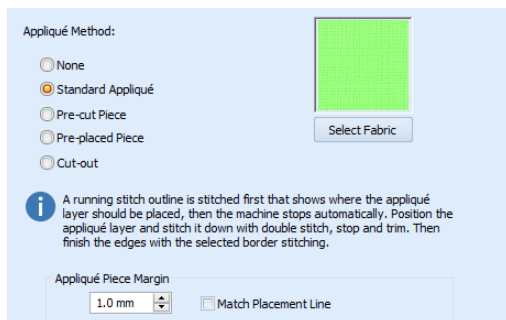
Use the selected image for the appliqué.

# Appliqué Method

Use the Appliqué tab of the Fill Area and Line properties dialog box to select an Appliqué Method for appliqué placement, and set the Appliqué Piece Margin. See “Fill Area and Line Properties” on page 38.

## Appliqué Placement

When appliqué is created, additional stitches are added at the beginning of the appliqué piece for placing the appliqué fabric. Use these options to determine how these stitches are added. The border used to finish the appliqué is the chosen line type in the Line tab of the Fill Area and Line properties dialog box.



## Appliqué Method

Select the appliqué method before or after creating an area or line. Choose from:

- None
- Standard Appliqué
- Pre-cut Piece
- Pre-placed Piece
- Cut-out

### Standard Appliqué

Stitch a running line to show where appliqué fabric should be placed, then stop to position the fabric. Stitch down the appliqué fabric with double stitch, then stop so the fabric may be trimmed. Finish the edges with the selected border stitching.

### Pre-cut Piece

Use a pre-cut appliqué piece; created, for example, using an automatic cutter or cutwork needles.

Stitch a running line to show where the pre-cut appliqué piece should be placed, then stop to position the appliqué piece. Stitch down the appliqué piece with double stitch, then finish the edges with the selected border stitching.

### Pre-placed Piece

Place the appliqué fabric before stitching.

Place the appliqué layer in position, then stitch down the appliqué fabric with double stitch. Stop so the fabric may be trimmed. Finish the edges with the selected border stitching.

### Cut-out

Use the appliqué placement line as a guide to where the fabric should be cut; for example for reverse appliqué.

Stitch a double stitch line. Stop so the fabric may be cut to form a hole defined by the stitched outline. Finish the edges with the selected border stitching.

## Select Fabric

Use Select Fabric to choose a fabric for your appliqué in the Appliqué Selection dialog box.

Click Select Fabric and the Appliqué Selection dialog box appears. See “Appliqué Selection” on page 260.

## Appliqué Piece Margin

Set the margin for appliqué placement relative to the drawn border shape from -10mm to 10mm. The initial value is 1.0mm.

*Use a positive value when trimming the appliqué fabric before the border is stitched, for example with Standard Appliqué and Pre-placed Appliqué. A negative value is recommended for cut-out and reverse appliqué.*


*Placement stitches are set to 2.0mm initially. To alter the stitch length for individual lines, use the Break Apart function for the area.*

## Match Placement Line

Adjust the position of the first running stitch line for either Standard Appliqué or Pre-cut Piece so that it matches the outline of the appliqué piece after the Appliqué Piece Margin has been applied.

*This may be useful for precise positioning of appliqué pieces that have been pre-cut with an automated cutter, to ensure the placement line is visible.*

## Export Appliqué

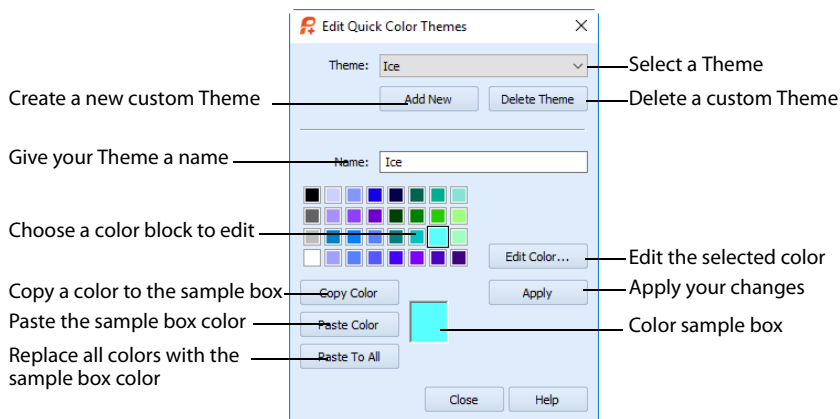
Use Export Appliqué Pieces  in the File menu to save or print appliqué outlines ready for cutting.

There are five export methods: save as SVG, DXF or FCM files for use in fabric cutters, save as VP4 or VP3 stitch files for use with Inspira Cutting Needles, print as an outline template to cut around, print directly onto printable fabric or an iron-on transfer (this prints the image of the appliqué piece), or save as SVG files with the fabric image placed as the fill for each shape (for use with fully customized layouts).

*See “Export Appliqué Pieces” on page 231 for more information.*

## Quick Color Themes

Use Quick Color Themes for quick selection of thread colors using a related set of colors. Create your own Quick Color Themes, which are available for selecting thread colors in PREMIER+™ 2 Create, and in the Color Selection dialog box in other modules. Also use Quick Color Themes to set fabric colors in the Appliqué Selection dialog box.



### Select a Quick Color

- 1 Open a dialog box with the Quick Colors area.
- 2 Click the drop-down menu below, or to the right of the Quick Colors to choose a Quick Color Theme. *In this menu you can also select Edit Themes to create a new theme, or edit a Custom theme.*
- 3 Click the desired Quick Color. The nearest shade that is available from the current thread range will be selected.

*This is also a quick way to jump to threads of that color (for example, click light yellow in the Standard Theme to jump to light yellow thread shades).*

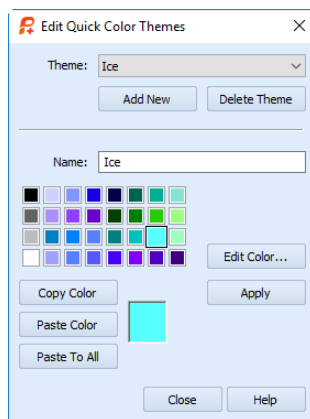
### Add a Quick Color Theme

You can add or customize your own Quick Colors themes in the Color Selection or Appliqué Selection dialog box in most PREMIER+™ 2 Embroidery System modules.

- 1 Open a dialog box with the Quick Colors area such as the Color Selection dialog box.
- 2 Click the drop-down menu to the right of the Quick Colors and select Edit Themes. The Edit Quick Color Themes dialog box opens.  
*Note that if one of the system Themes is selected, the editing options will be unavailable (grayed out).*
- 3 Select a Theme from the drop-down menu at the top.  
*Your new Theme will be based on the colors in this theme.*

- 4 Click the Add New button. A new theme 'Untitled' appears.
- 5 Give your new theme a name, then click Apply. You can now select your new theme from the drop-down list at the top.
- 6 Select a color in the palette.
- 7 Click the Edit Color button. The Colors dialog box appears. See "Colors Dialog Box" on page 277.
- 8 Choose a new color from the Standard or Custom tab, then click OK. Your chosen color will replace the original color.
- 9 To copy a color, select a color in the palette, then click Copy Color. Your selected color will appear in the Color Box.
- 10 To paste the color in the Color Box, select a color in the palette, then click Paste Color. The color in the palette will be replaced.
- 11 To replace all colors in the palette, click Paste To All.
- 12 Click Apply to save the changes to your new Quick Color Theme.
- 13 Click Close to finish editing your new Theme.

*To make further edits to your theme, select Edit Themes in the Quick Colors Theme menu.*



## Edit Quick Color Themes

### Theme

Select a Theme from the drop-down list.

*Any new Theme will be based on the colors in this theme.*

### Add New

Click Add New to create a new theme.

### Delete Theme

Click Delete Theme to remove a custom Theme.

*You cannot delete system Themes.*

### Name

Enter the desired theme name.

### Theme Colors

Click a color in the grid and a box will appear around the selected color.



### Edit Color

Click Edit Color to change the currently selected color in the Colors Dialog Box. Alternatively, double-click a color to change it in the Colors Dialog Box.

### Apply

Click Apply to save the changes you have made.

### Copy Color

Click Copy Color to place the color in the color sample box, to the right of the button.

*Use the color sample box to copy a color from one theme to another.*



## Paste Color

Click Paste Color to replace the color in the currently selected grid position with the color in the sample box.

## Paste To All

Click Paste To All to place the color in the sample box in all the grid positions. This is useful when starting a new Theme if you wish to vary the Theme around a single initial color.

## Close

Click Close to finish editing the new theme. The new them is added to the end of the Theme list.

*You will be asked if you want to save any changes you have made, if you have not clicked Apply.*

## Change a Quick Color Theme

Select an existing Quick Color Theme you wish to change from the Theme drop-down list, then click Edit Theme.

*The predefined Quick Color Themes may not be edited. However, you may use any predefined theme as the basis for a new theme.*

The options are the same as when you Add a Quick Color Theme. See “Edit Quick Color Themes” on page 276.

## Delete a Quick Color Theme

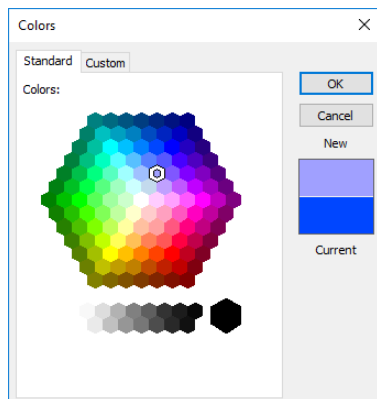
- 1 In the Edit Quick Color Themes dialog box, use the Theme drop-down list to select the Theme you wish to remove.
- 2 Click Delete Theme. A message will appear to remind you that this action may not be reversed.
- 3 Click Yes and the theme will be deleted.

*The predefined Quick Color Themes may not be deleted.*

## Colors Dialog Box

The Colors dialog box is used to choose or change a color for a thread, or modify any color in a Quick Colors Custom theme.

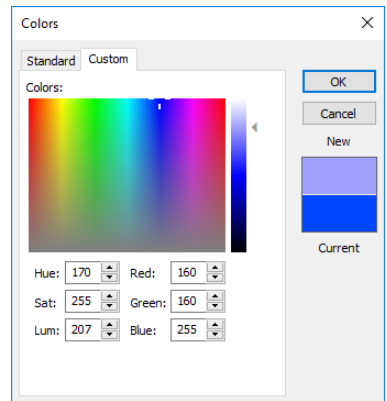
When the Colors dialog box appears, it shows the Standard color selection. If desired, click one of the Standard colors. A highlight shows the selected color. The New/Current box shows the difference between the newly chosen color and the color currently used.



Click the Custom tab to be able to select any of the 16 million RGB colors.

Click in the blended color palette to choose a basic color, then use the slider at the side to choose the desired brightness level. The HSL and RGB values are updated as you change the color and the color is previewed in the New/Current box.

You can also directly enter Hue, Sat(uration), Lum(inance) (HSL) and/or Red, Green, Blue (RGB) values. Alternatively, use the up/down buttons on each of the HSL and RGB value boxes to make fine adjustments to the color.








## Color Models

### Hue, Saturation, Luminance (HSL) Color Model





Hue is the color (red, yellow, green, or blue) for the selected color, expressed as a value between 0 and 239. Saturation (Sat) is the strength or purity of color in a specified hue. This is related to the amount of gray in it and is measured from 0 (completely gray) up to a maximum of 240 (no gray). The higher the saturation, the purer or more vivid the color. Luminosity (Lum) is the intensity of lightness or darkness in a color, specified by a value between 0 (black) and 240 (white). If Saturation is 0, the Luminosity setting specifies a shade of gray.


### Red, Green, Blue (RGB) Color Model


The RGB model, one of the Additive Color models, is used on computer monitors. It has three primary colors — red, green, and blue — that it creates by emitting light. These three colors are combined in various proportions to produce all the colors displayed on your screen. They are referred to as additive because they combine to produce white. Primary colors are measured as a value from 0-255. The colors produced by combining the three primaries are a result of the amount of each of those shades present. For example, pure red has a red value of 255, a green value of 0, and a blue value of 0. Yellow has a red value of 255, a green value of 255, and a blue value of 0. If Red, Green and Blue are set to zero, the color is black; if all three are 255, they produce white.


Commands are instructions such as the Color Change  (marker ) that changes the thread at the start of a new color block. The Stop  (marker ) tells an embroidery machine to stop without a color change. Use Alignment Stitches (marker ) to add stitches at the beginning of an embroidery to align the embroidery, for example to a background picture.

## Color Change and Pick Color

Use Color Change , Add Color Change , Pick Color , or the Quick Colors palette to select a new thread color for the stitch objects you are about to add to the design. The first Color Change is initially set to medium blue. A Color Change command is shown by a small blue circle with a C .




To change an existing color, double-click the desired color in the color worksheet on the Design Panel, or select the color in the worksheet and click Color change . Alternatively, right-click the color in the FilmStrip and select Properties. The Color Selection dialog box opens.

To delete a color change, select the Color Change in the FilmStrip or on the work area, then click the Delete icon , use the Delete key, or right-click in the FilmStrip and select Delete. The first Color Change in a design may not be deleted.



To insert a color, select the object after which the color change is desired, and click Add Color Change , click in the Quick Colors, or right-click in the FilmStrip and select Insert Color Change from the context menu. Alternatively, click one of the Quick Colors to select a new color.


Select a color from the Color Selection box that appears. You may choose any thread shade from the available thread manufacturers' palettes (for instance, Sulky Rayon 40 or Robison-Anton Cotton 50) or a thread you have added to MyThreads. Select colors by visual selection or by typing in a shade number. Alternatively you can choose a 'Quick Color' Theme and then select one of the 32 Quick Colors. See "Quick Color Themes" on page 275. Optionally, add a thread or needle effect to the selected thread. Once the desired color is selected, click OK.

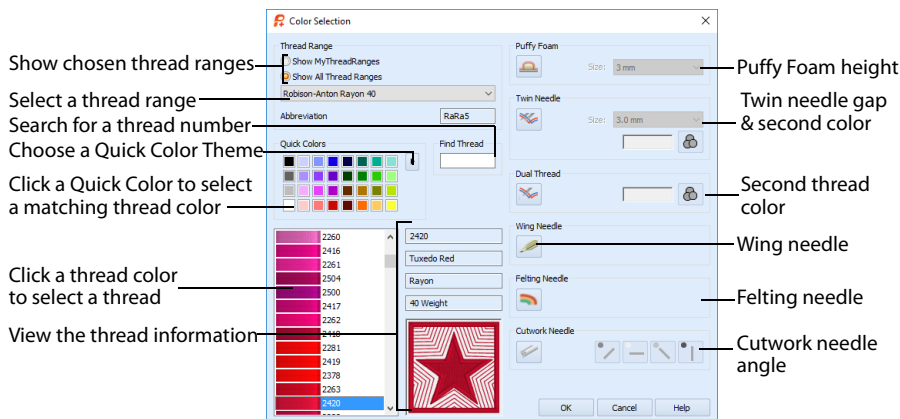
### Shortcuts

- Quick Create Tab; Freehand Create Tab; Precise Create Tab, Command:  & ; Edit Tab: 
- Keys: Alt, Q, C, C; Alt, Q, C, P; Alt, R, C, C; Alt, R, C, P; Alt, P, C, C; Alt, P, C, P; Right-click FilmStrip, H

## Color Selection

The Color Selection dialog box appears when you click Add Color Change , right-click a color change marker , or right-click an object in the FilmStrip and select Insert Color

Change. Alternatively, on the Design Panel select a color in the worksheet and click Color Change , or double-click a color in the color worksheet.




You may choose any thread shade from the available thread manufacturers' palettes (for instance, Robison-Anton Rayon 40 or Sulky Cotton 30) or a thread you have added to MyThreads. Select colors by visual selection or by typing in a shade number. Alternatively, click one of the Quick Colors to select the nearest matching thread color. Once the desired color is selected, click OK. See "Color Selection" on page 196.

When you select a new thread color, the color worksheet will show the change and the work area will show the block of stitches in the new color.

To keep the full color information including thread shade numbers, export your embroideries as file type .vp4.

## Design Property Colors

Use Design Property Colors  to show or hide thread colors in the Color Select area that are part of an object's property, for example an alternative border color or color gradients.



## Color Change Properties

The Color Change command is shown by a small blue circle with a C .


To delete an existing color, select it in the FilmStrip, or click a nearby object and use the left and right arrow keys to move to the Color Change, then click Delete. To change a color, click the color block in the color worksheet on the Design Panel, or right-click the color change in the FilmStrip and select Properties.

For full details, see "Color Change and Pick Color" on page 279.

## Stop

Use Stop  to create a Stop command that is used to tell the embroidery machine to stop without a color change, and use the Stop properties dialog box to add a message to the Stop command. The Stop command is shown by a small red circle with an S .


A common use for the Stop command is to pause the machine while a piece of appliqué fabric is placed in the hoop, then again after it is tacked down with running or double stitch so the excess material can be trimmed before satin borders are used to cover the edge of the fabric.

To delete a Stop, select the Stop command, then click the Delete icon , use the Delete key or right-click in the FilmStrip and select Delete.



To select a Stop, click near it and use the left and right arrow keys to select it, or select it directly in the FilmStrip. It will be highlighted in the FilmStrip.

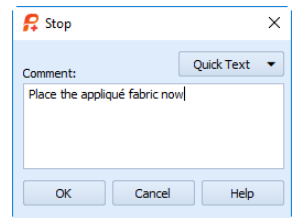
To view Stop commands with their messages, use the Design Player, or view them in the printed worksheet.

## Shortcuts

- Freehand Create Tab; Precise Create Tab, Command: 
- Keys: Alt, R, P; Alt, P, P; Right-click FilmStrip, O

## Insert a Stop Command

- 1 Open a design, then click the Freehand Create or Precise Create tab.
- 2 Move to the position in the FilmStrip where you want to place the Stop command.
- 3 Click Stop . A Stop command is inserted at the selected position. It is shown by a small red circle with an S .
- 4 Right-click on the Stop command in the work area, and the Stop properties dialog box opens. Alternatively, right-click the Stop command in the FilmStrip and select Properties.
- 5 Use the Quick Text drop-down menu to insert a stitchout hint, or enter a message. See “Stop Properties” on page 281.
- 6 Click OK to save the text.

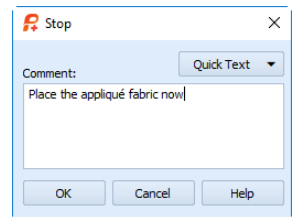


## Stop Properties

Add a stitchout hint to a Stop Command in the Stop properties dialog box.

Select a Quick Text comment from the drop-down menu, or enter text in the Comment text field. Click OK to save the text. Up to 200 characters may be entered.

To view Stop commands with their messages, use the Design Player, or view them in the printed worksheet.




## Quick Text


Select one of the following texts:

- Place the appliqué fabric now
- Cut around the appliqué
- Place the appliqué shape onto the placement line
- Cut the hole in your fabric
- Place the puffy foam on the fabric now
- Remove any excess puffy foam
- Check alignment now.

# Single Stitch


Use Single Stitch  to create a Single Stitch or series of Single Stitches, according to the length set in Preferences or the properties box. The length may vary. A Single Stitch may be broken up into stitches from 1mm to 12mm in 1mm steps.

*Typically it would be set to a relatively long length of around 10mm in order to produce an effect from a long stitch.*


Single stitches are represented by a line in the currently selected color. Depending on the default Stitch Length set in Preferences , more than one stitch may be generated between two points when a stitch is placed.

*Single Stitches are useful as short traveling stitches, and to achieve various hand stitching effects.*

## Shortcuts

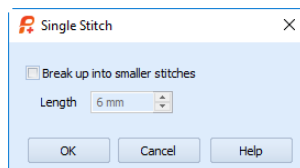
- Freehand Create Tab; Precise Create Tab, Command: 
- Keys: Alt, R, N; Alt, P, N

## Single Stitch Properties

Set the Length of single stitches from 1 to 12mm in steps of 1mm. The initial setting is shown in Creating Stitches Preferences .


### Break up into smaller stitches

Break up stitches longer than the selected length into stitches of this length.




# Alignment Stitches

Use Alignment Stitches to add stitches at the beginning of an embroidery that you can use to align the embroidery, for example with a background picture on fabric.

*An Alignment Stitch is shown by a small purple circle. In Object View, an A  can be seen.*

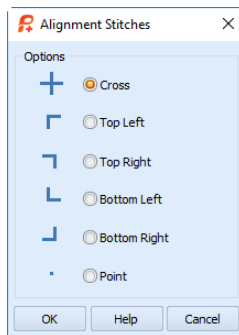
Five types of alignment stitch are available: Cross, Top Left Corner, Top Right Corner, Bottom Left Corner and Bottom Right Corner. When first placed, a Cross is used.






## Alignment Stitch

Use Alignment Stitch  to insert a cross-shaped alignment stitch.


Click to place alignment stitches, which are shown as crosses in the current color. Each cross is 10mm wide. Two or three alignment crosses should be sufficient in most circumstances.

Use the Alignment Stitches dialog to select a corner alignment stitch. These alignment stitches are corner shaped, so they can be used even if your design goes up to the edge of






the chosen hoop. Choose from: Top Left Corner , Top Right Corner , Bottom Left Corner , Bottom Right Corner  or Point .

## Shortcuts

- Freehand Create Tab; Precise Create Tab, Command: 
- Keys: Alt, R, G; Alt, P, G

## Place an Alignment Stitch

- 1 In the Freehand Create, or Precise Create, tab select Alignment Stitch .
- 2 Click the point on the picture where you want to add an alignment stitch.  
*A cross-shaped stitch and a pink marker, or an Alignment Stitch marker  in Object View, are added at the point where you click.*
- 3 Click Undo  to remove any unwanted alignment stitches.
- 4 To open the Alignment Stitches dialog, select an alignment stitch in the FilmStrip, right-click it and select Properties, or select and right-click an alignment stitch in the work area. Here you can select another alignment stitch type.
- 5 Click OK to close the dialog.

Fill Areas are areas of fill surrounded by a border. The fill can be any of the fill types, or 'No Fill'. The border can be any of the line types, or 'No Line'.



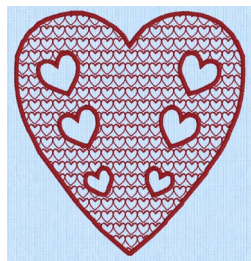
Pattern Fill Area with Pattern 39 from Animals 1



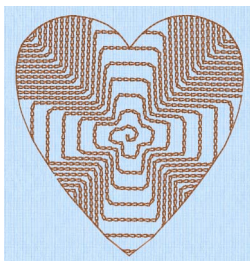
Pattern Fill Area with Multicolor Gradient



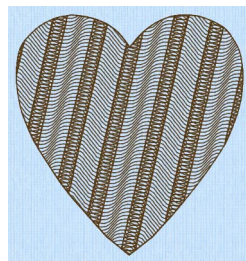
Motif Fill Area with two motifs, 13 and 19, from Hand Stitches 2



Motif Fill Area with motif 6 from General Motifs 1, QuickStitch Autohole and a 1.5mm Satin Border



Shape Fill Area using Shape 23 and Motif 1 from Hand Stitches 1



MultiWave Fill, using a density of 15, and a short Freehand MultiWave Line to add texture

*You can change any fill type into another fill type, or into a Satin Area.*

## Fill Types

Select the Fill type from the drop-down list in the Quick Create, Freehand Create or Precise Create tabs, or in the Fill Area and Line properties dialog:



Pattern Fill



QuiltStipple Fill



MultiWave Fill



Motif Fill



Contour Fill



Echo Fill



Shape Fill



Crosshatch Fill



Satin Area



Radial Fill



Curved Crosshatch Fill



No Fill



Spiral Fill



# Creating Fill Areas

Create Fill areas with the QuickStitch™, Freehand and Precise Area or Line, or Shape functions.

*Set the Fill, Line and Appliqué buttons as desired by clicking to turn that area type on or off. Then choose a fill type from the drop-down menu below the button, and set the properties in the Fill Area and Line options. Use one of the Create functions to make the new fill area.*

*See “Creating with Quick Create” on page 233, “Creating with Freehand and Precise Create” on page 234, and “Creating Shapes” on page 235.*

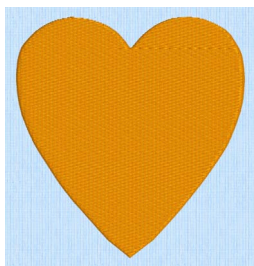
Either add holes at the time of fill creation using QuickStitch™ + AutoHole, or add holes to an existing fill. See “Creating Holes” on page 259.

You can select your fill type, and the line type for the surrounding border, in one of the Create tabs before creating the fill.

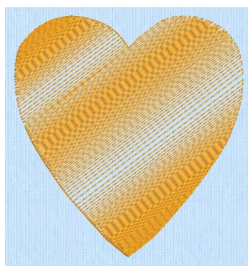
*Alternatively, change either the fill or border type afterwards using Fill Area and Line properties. Use the Favorites tab to make the chosen settings into Favorites that may be applied to other areas, or into the current settings, to use as default for new areas of this type.*

## Pattern Fill

Pattern Fill areas use small stitches in repeating patterns that cover an area completely using typical density values. The density and color can also be changed with single gradient density and multigradient density.



Pattern Fill Area with Pattern 3 from Standard 1



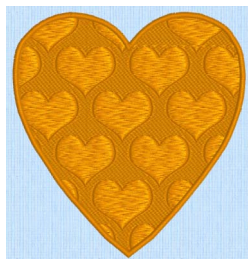
Pattern Fill Area with Single Color Gradient Density



Pattern Fill Area with Pattern 39 from Animals 1



Pattern Fill Area with Multicolor Gradient




Fill Area with Pattern 114 from Hearts and a 4.0mm Satin Border.

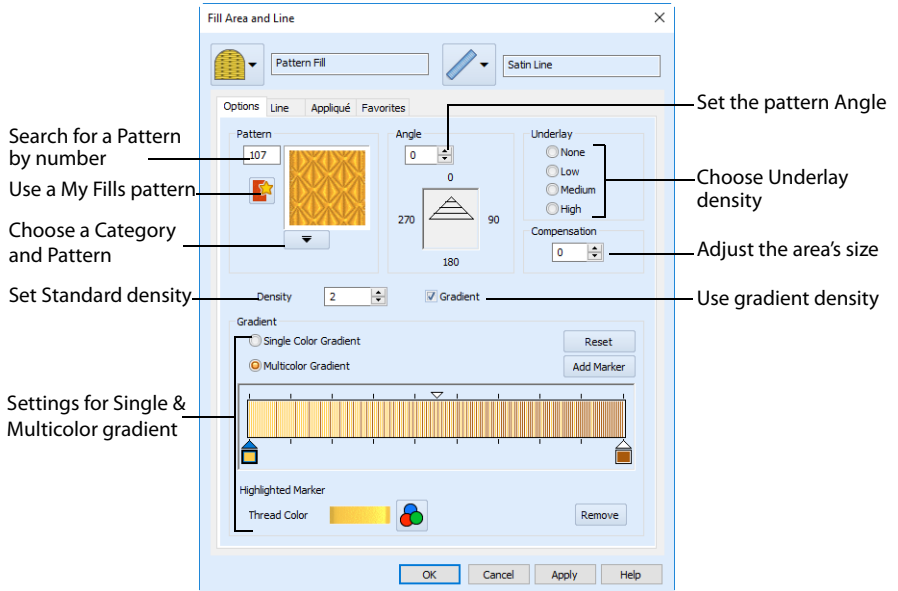


Fill Area with Satin border and holes using Pattern Fill 109 from Hearts

The Fill Area and Line properties for Pattern Fill has sections for setting all the properties on a pattern fill area. It appears when you click a pattern fill area so that the points defining its shape are shown, and then right-click. It also appears when you click the Fill Area and Line button in the Options section on one of the Create tabs.

Use the Pattern Fill properties dialog box to change the pattern, density and stitch angle used for fill areas.

Alternatively, adjust the angle of the fill pattern with the handle on the Origin marker .



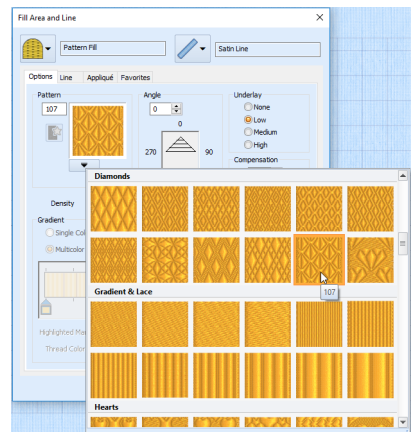
## Pattern Fill — Pattern

### Patterns

Use the Pattern area to select the desired pattern category and number.

Select the desired pattern number. There are several ways to select patterns:

- Click the drop-down arrow below the pattern sample and scroll down to choose a pattern Category, and a pattern. Click the desired pattern sample and the Pattern number is shown.
- Enter a favorite Pattern number directly in the Pattern box. As you type the number, the correct pattern sample is selected immediately.






- Use a My Fill pattern created with Manage My Fills. See “Manage My Fills” on page 337.

The pattern number can be seen in the FilmStrip.

View the patterns in the pattern gallery. See “Fill and Satin Patterns” on page 421.

## Change a Fill Area to a Leaf Pattern

- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples>Create\Edo, and load the file 'PetalsBasicFill'.

Alternatively, use the petals design that you created in “Create a Petal Design with the ExpressDesign Wizard” on page 87.


- 2 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.

- 3 Click the View tab, and set the Grid size to 5mm.

- 4 In the color worksheet on the Design Panel, click the check box for the fourth color (slate blue) to hide objects, mainly satin borders, using that thread color. This will make it easier to select the fill areas.

When you pause the arrow pointer over a color in the worksheet, a popup description of the thread appears.

- 5 Click the Home tab.

- 6 Ensure that Edit Points  is selected.

- 7 Click inside the left petal near the edge. The points defining the shape of the fill area will appear. It will be shown as a Pattern Fill on the status bar and in the FilmStrip.

If the Status Bar says Box Select, this is selected instead of Edit Points . Click Edit Points and look again.

- 8 Right-click on the work area and the Fill Area and Line dialog box will appear showing the properties for Pattern Fill.

The Fill Area and Line dialog box enables you to change the fill and line types in your design, and set the properties for the lines and fills.

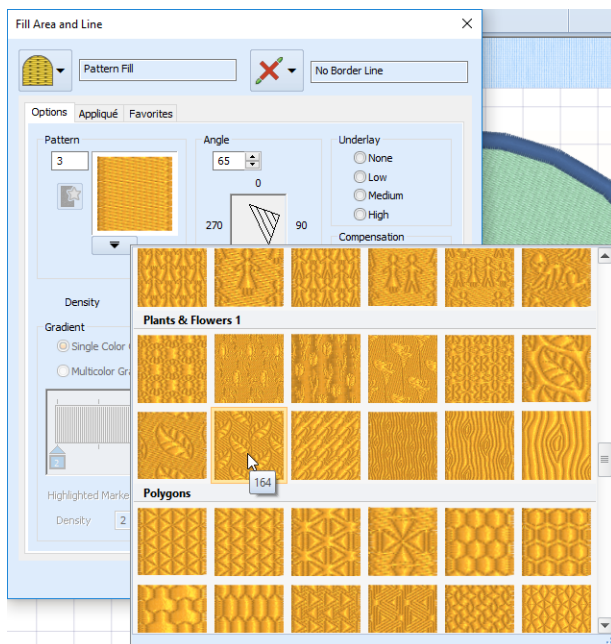
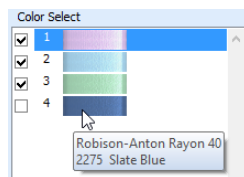
- 9 Click the down arrow below the fill sample in the Pattern area.


- 10 The fill Category is currently set to Standard 1. Scroll up the fill gallery to the 'Plants & Flowers 1' Category.


- 11 Place the pointer over the pattern sample in row two, column two. The pattern number is 164. Patterns may also be selected directly by entering the desired pattern number in the Pattern box.

- 12 Click to select pattern 164.

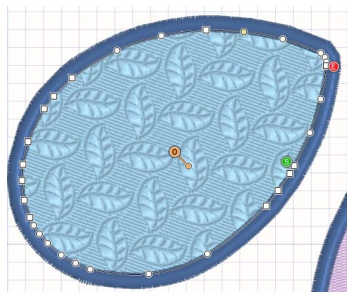
- 13 Check that Density is set to 2, as desired.



- 14 Change the angle to 45. Click Apply to see the new pattern in the left petal, then click OK. The pattern has changed in the petal, and you can see the fill number in the FilmStrip. Even if you click Cancel, Apply has changed the stitches. Therefore, to return to the original pattern you would need to click Undo .

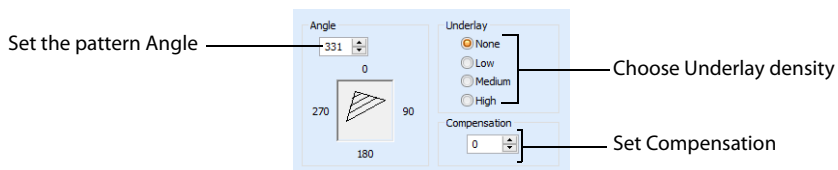
You could also change the angle of the pattern with the handle on the Origin marker .

To change the middle petal to a single gradient fill, see “Create a Single Color Gradient Fill in a Petal” on page 291.




## Pattern Fill — Options

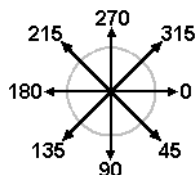
Use the Options area to see and change the settings for fill angle, underlay and compensation.



### Angle

The angle of the fill pattern, as shown by the arrow. The thread is at a right angle to the fill pattern. Set the Angle from 0 to 359 degrees. The initial setting is 0.

The fill angle will also affect the orientation of the gradient. You can also change the fill angle with the handle on the Origin marker .



### Underlay

Choose from None, Low, Medium or High density underlay. Underlay is a low density fill that is perpendicular to the stitches of the actual fill area. Underlay is useful for stabilizing large fill areas. Underlay is initially set to Low.

Underlay stitches are not generated for areas using gradient density, although the property can be selected in case you switch the area back to a standard density area.

### Compensation

Compensation is used to make an area 'bolder' by increasing its relative size. Set Compensation from 0 to 20. The higher the number, the bolder the area appears. The initial setting is 0.

## Pattern Fill — Density

Use the Density area to see and change the density settings and the color Gradient of the fill.

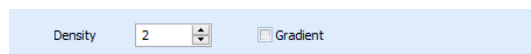
The color on a fill area can change over a range, or have multiple color changes across the fill. This is ideal for gradual color changes such as sunsets, subtle shadow effects and so on.

Gradient is not initially selected.

*Embroidery on thicker fabrics usually looks better with more stitch coverage, or a low density setting.*

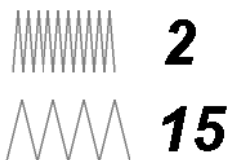
*Choose a low value such as 2 or 3 for heavy knit fabrics, a higher value such as 5 or 6 for a light material like linen or satin.*

### Standard Density

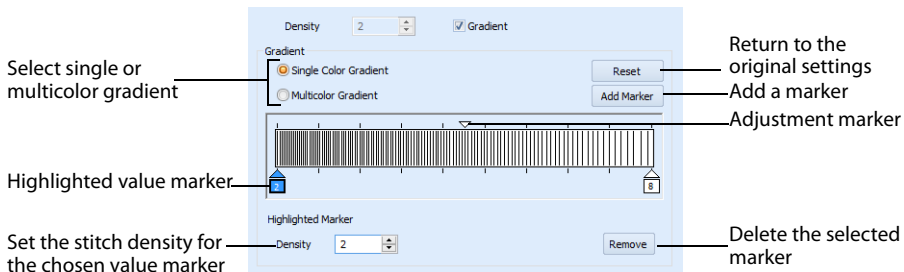


Set the standard Density from 2 to 80. The lower the number, the closer together the stitches and the more stitches are produced.

The initial setting is 2.



### Single Color Gradient

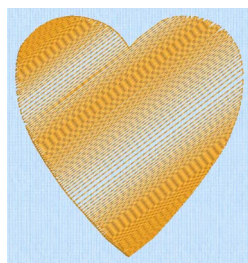


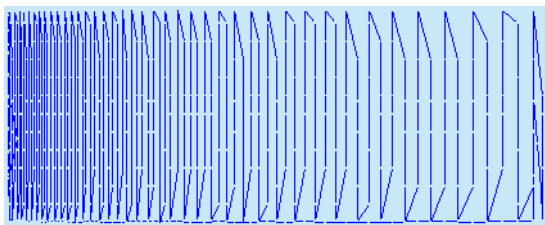
Use Single Color Gradient to change the density across a fill with only one color. Set a value for the start and end density markers for the fill, and the density gradually changes between the two values. Add multiple markers for a more complex pattern.

*The markers can each take a value of 2 to 80, which means you can reverse the gradient simply by swapping the start and end values.*

*If you change a gradient density fill back to standard, then you should also select the desired underlay.*

The example shows a Gradient of 2 to 15, with a fill angle of 90°.





Use Density Gradient for loosely stitched areas so that the traveling stitches will go around the outside of the fill area. Set the start and end densities to the same number. If the Density Gradient option was not used the traveling stitches would cross the fill area and show through.

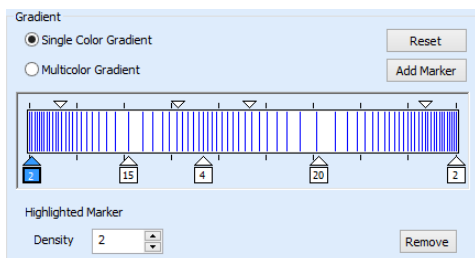
Use the adjustment marker above the gradient bar to change the gradient across the fill.

## Reset

Reset your changes and use the initial settings.

## Add Marker

Click Add Marker to add a value marker below the gradient bar, and an adjustment marker above the gradient bar. The initial value for the marker will be between the existing markers. Edit the density value, and move the value and adjustment markers as desired.



This means that you can have any combination of density values across the fill area. Remember, a higher value means the fill is less dense.

## Density

Density is used to change the density of the stitching. Set Density from 2 to 80. The higher the number, the less dense the fill. The initial start marker setting is 2, and end marker setting is 8.

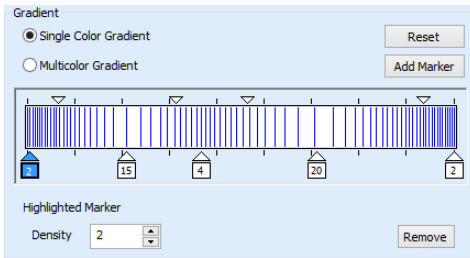
## Remove

Click Remove to delete the highlighted marker.

## Change a Fill to Single Color Gradient




- 1 Open the Fill Area and Line properties dialog.
- 2 In the Density area, click the Gradient option. The Gradient box will become available.
- 3 Select (check) the Single Color Gradient box.
- 4 Click a value maker (the marker below the gradient bar) and change the value in the Density box to the required density value.
- 5 Click Apply to view your changes.

- 6 Move the adjustment marker above the gradient bar to vary the change in density across the fill.
- 7 Click Add Marker to add another value marker and adjustment marker.
- 8 Change the density of the fill as desired.




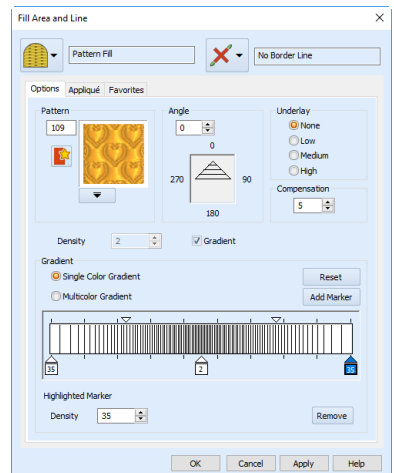
- 9 Click OK to close the Fill Area and Line properties dialog.  
*If you change a gradient density fill back to standard, then you should also select the desired underlay.*

## Create a Single Color Gradient Fill in a Petal

- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicFill'.

*Alternatively, use the petals design that you created in "Create a Petal Design with the ExpressDesign Wizard" on page 87, and added a leaf pattern in "Change a Fill Area to a Leaf Pattern" on page 287.*

- 2 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 3 Click the View tab, and ensure that Grid size is set to 5mm.
- 4 In the color worksheet in the Design Panel click the check box for the fourth color (slate blue) to hide the satin borders using that thread color. This will make it easier to select the fill areas.
- 5 Click inside the middle petal. The points defining the shape of the fill area will appear, and the Pattern Fill area will be selected in the FilmStrip.
- 6 Right-click on the work area and the Fill Area and Line dialog box will appear, showing Pattern Fill.
- 7 Enter 109 in the Pattern Box. In the Pattern gallery, this is the design in row 1, column 1 of the Hearts category.
- 8 Click Apply to see the pattern.  
*If needed, move the Fill Area and Line dialog box to one side to see this.*
- 9 Click the Gradient checkbox. The Gradient options become available.
- 10 Ensure that Single Color Gradient is selected. A bar with a marker at either end becomes available.
- 11 Click Add Marker. A third marker is placed in the middle of the bar, highlighted in blue.  
*All three markers initially use the stitch density set above (this should be 2).*
- 12 Click the marker box on the left. It is highlighted in blue.
- 13 In Density, use the up arrow to change the number to 35. The number and position of the lines in the density bar changes.

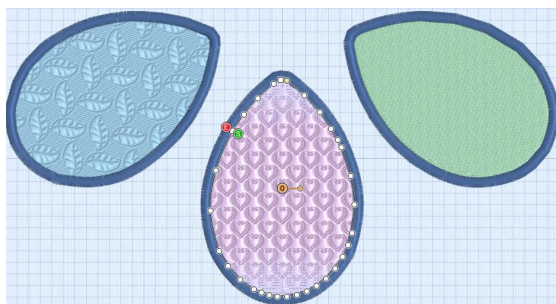


*The lines in the density bar represent the density of the stitching.*

- 14 Leave the Density for the middle marker at 2.
- 15 Click the marker box on the right.
- 16 Change the density for the marker on the right to 35.  
*This will create lightly stitched areas at the edges of the fill area, and a heavily stitched area in the middle.*



- 17 Change the Angle to 0, then click OK. The heart pattern fill is densely stitched in the center and lightly stitched at top and bottom.



Notice that underlay has been automatically set to None. This occurs when Single Color Gradient or Multicolor Gradient density is selected.

To fill the right petal with a bee pattern that you create, see “Use a Bee for a My Fill Pattern” on page 339.

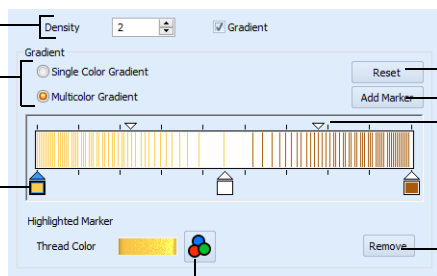
## Multicolor Gradient

Set the stitch density  
for the whole fill

Select single or  
multicolor gradient

Selected color marker

Choose a thread for the  
highlighted marker



Return to the  
original settings

Reset

Add Marker

Adjustment markers

Remove

Delete the selected  
marker

Use Multicolor Gradient to change the color across a fill with only one density. Set colors for the start and end markers for the fill, and the color gradually changes between the two values.

Use the marker above the gradient bar to change the color gradient across the fill.

### Reset

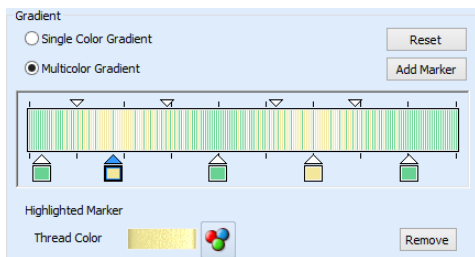
Reset your changes and use the initial settings.

### Add Marker

Click Add Marker to add a color marker below the gradient bar, and an adjustment marker above the gradient bar. The initial color for the marker will be the same as the currently highlighted marker. Change the color and move the color and adjustment markers as desired.








This means that you can have any combination of colors across the fill area.

## Thread Color

Use Thread Color  to change the color of the currently highlighted marker. The Color Selection box will be displayed.

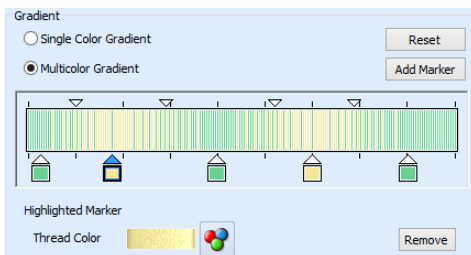
See “Color Selection” on page 279.

## Remove





Click Remove to delete the highlighted marker.

## Create a Multicolor Gradient Fill

- 1 Open the Fill Area and Line properties dialog.
- 2 In the Density area, click the Gradient option. The Gradient box will become available.
- 3 Select (check) the Multicolor Gradient box.
- 4 Click a color maker (the marker below the gradient bar) and click Thread Color to open the Color Selection dialog box.
- 5 Change the color to the required color and click OK.
- 6 Click Apply to view your changes.
- 7 Move the adjustment marker above the gradient bar to vary the change in color across the fill.
- 8 Click Add Marker to add another color marker and adjustment marker.
- 9 Change the color of the fill as desired.
- 10 Click OK to close the Fill Area and Line properties dialog.



## Fill a Petal with a Multicolor Gradient Density Fill

- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicFill'.
- Alternatively, use the petals design that you created in “Create a Petal Design with the ExpressDesign Wizard” on page 87.
- 2 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 3 Click the View tab, and ensure that Grid size is set to 5mm.
- 4 In the color worksheet in the Design Panel, click the check box for the fourth color (slate blue) to hide the satin borders using that thread color. This will make it easier to select the fill areas.
- 5 Select the fill area for the middle petal, then right-click to see the Fill Area and Line dialog box.

- 6 Enter 255 in the Pattern Box. In the Pattern gallery, this is the design in row 1, column 3 of the Gradient & Lace category.

*The top four patterns in this category are recommended for multicolor gradient (the other eight are suitable for a weave pattern combined with parallel crosshatch, as used for lace designs).*

- 7 Change the Angle to 0.

- 8 Ensure that the Gradient checkbox is selected.

- 9 Click Add Marker to place a third marker in the middle of the bar, highlighted in blue.

- 10 Click Multicolor Gradient. The gradient bar is now colored, as are the markers.

*The selected marker has a dark blue outline, and the pointer is highlighted in blue.*

- 11 Click the marker box on the left.

- 12 Click Thread Color . The Color Selection dialog box is displayed.

- 13 Ensure that Robison-Anton Rayon 40 is displayed in Thread Range.

- 14 Click in the Find Thread box and enter '2502'. Thread color 2502 (Memphis Belle) will be found in the list. Click OK to change the color.

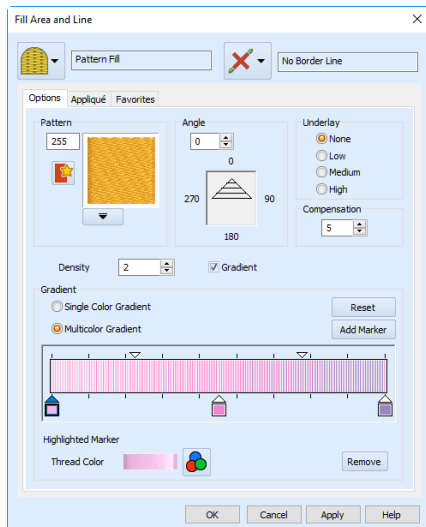
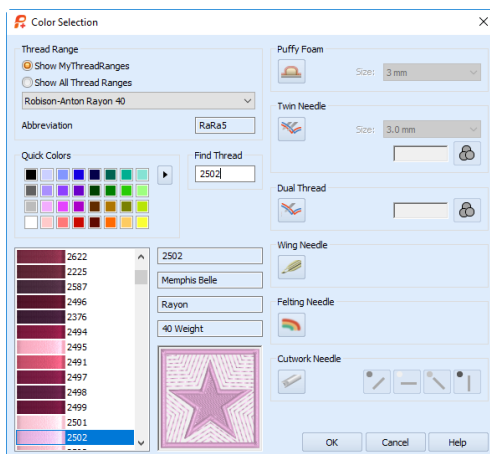
- 15 Double-click the marker box in the middle. The Color Selection dialog box opens.

*This is a quick way of displaying the dialog.*

- 16 In the Color Selection dialog box change the color to 2259 (Wild Pink), then click OK.

- 17 Double-click the marker box on the right and change the color to 2286 (Tulip).

*The bar is now shaded from pale pink, to dark pink, to purple. The stitches for each color are calculated from the original density value.*




- 18 Click Apply. The design will show how the colors will be blended when stitched out.

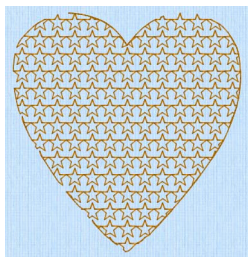
*If needed, move the Fill Area and Line dialog box to one side to see this.*

- 19 Click OK to close the Fill Area and Line dialog box.

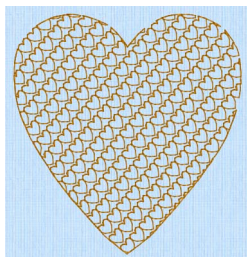
*To fill the left petal with a Radial Fill with gradient density, see "Use a Radial Fill in a Petal" on page 307.*

# Motif Fill

Motif fill areas  contain repeated small stitches placed using one of the Universal or machine motif patterns. Motif patterns typically have spaces between the stitches. A motif fill area can also have holes defined inside it. The motifs can be at any angle and at different sizes, and different motifs can be used on alternating lines.



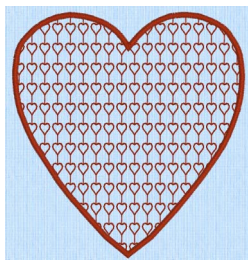
Motif Fill Area with default motif 5 from General Motifs 1



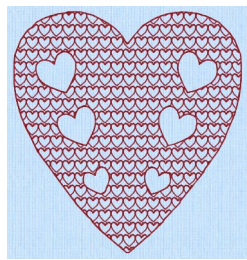
Motif Fill Area with motif 6 from General Motifs 1



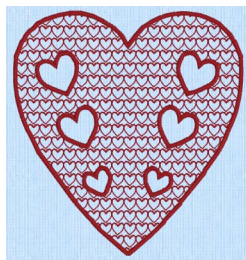
Motif Fill Area with two motifs, 13 and 19, from Hand Stitches 2



Motif Fill Area with motif 22 from Candlewicking 1 and a 2.0mm Satin Border



Motif Fill Area with motif 6 from General Motifs 1 and QuickStitch Autohole



Motif Fill Area with motif 6 from General Motifs 1, QuickStitch Autohole and a 2.0mm Satin Border

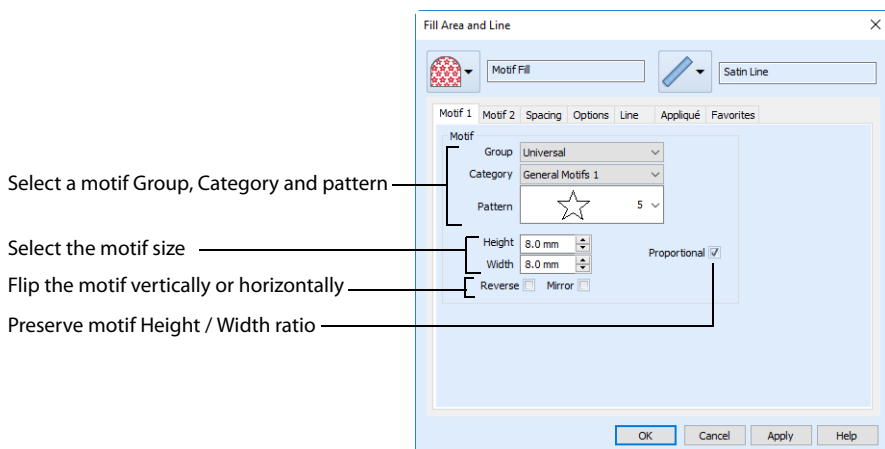
## Motif Fill Properties

The Fill Area and Line properties for Motif Fill has tabs for setting all the properties on a motif fill area. It appears when you click a motif fill area so that the points defining its shape are shown, and then right-click. It also appears when you click the Fill Area and Line button in the Options section on one of the Create tabs.

## Motif Fill — Motif 1

The Motif 1 tab is always shown first when the Motif Fill properties appear.

Use the Motif 1 tab to select the first motif and its size.



### Motif

Use Motif to select the motif and its size.

#### Group

Click the drop-down arrow to select the desired group of motif patterns.

#### Category

Click the drop-down arrow to select the desired category of motif patterns.

#### Pattern

Click the drop-down arrow to select the desired motif visually. Motifs are also numbered for convenient reference.

#### Height and Width

The Height and Width are initially set according to the chosen motif. The maximum and minimum values for Height and Width are individual to each motif.

#### Proportional

Use this option to keep the relative Height and Width in proportion when either is changed.

#### Reverse

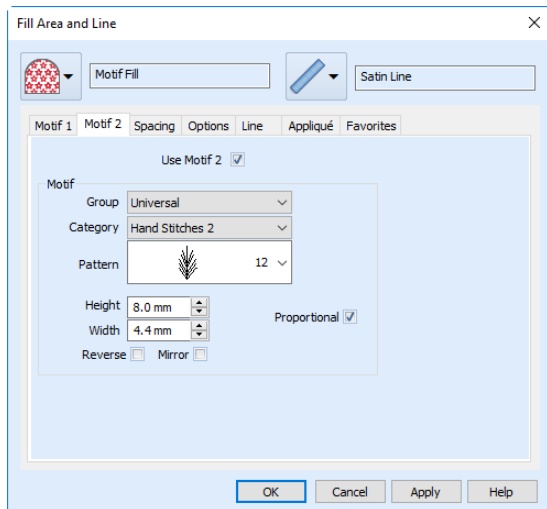
Use this option to reverse the direction of the motif along the lines of the motif fill. Some motifs are symmetrical and will have no apparent change when they are reversed.

## Mirror

Use this option to mirror the motif across the line of motif fill. Some motifs are symmetrical and will have no apparent change when they are mirrored.

## Motif Fill — Motif 2

Use the Motif 2 tab to select a second optional motif and its size.



## Use Motif 2

Select this option to use a second motif in the motif fill. The second motif will be placed on alternating lines with the first motif.

## Motif

Use Motif to select the motif and its size.

### Group

Click the drop-down arrow to select the desired group of motif patterns.

### Category

Click the drop-down arrow to select the desired category of motif patterns.

### Pattern

Click the drop-down arrow to select the desired motif visually. Motifs are also numbered for convenient reference.

### Height and Width

The Height and Width are initially set according to the chosen motif. The maximum and minimum values for Height and Width are individual to each motif.

## Proportional

Use this option to keep the relative Height and Width in proportion when either is changed.

## Reverse

Use this option to reverse the direction of the motif along the lines of the motif fill. Some motifs are symmetrical and will have no apparent change when they are reversed.

## Mirror

Use this option to mirror the motif across the line of motif fill. Some motifs are symmetrical and will have no apparent change when they are mirrored.

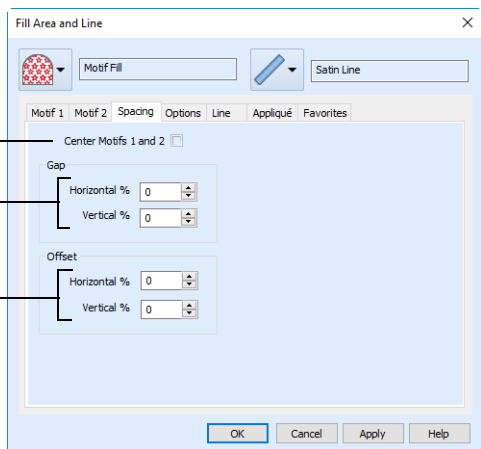
## Motif Fill — Spacing

Use the Spacing tab to set the spacing for the motifs.

Space the motifs regularly

Set the distance between motifs and lines of motifs

Set the relative position of motifs and lines of motifs



## Center Motifs 1 and 2

When this option is selected the narrower of the two motifs has extra stitches added at either side to make it the same width as the wider motif. This is so that the motifs can be centered, or so the horizontal offset between them will remain constant.

## Gap

The Horizontal gap adds or removes space between motifs along the line. The Vertical gap adds or removes space between lines of motifs.

Set the Horizontal and Vertical gaps from -50% to +100%.

## Offset

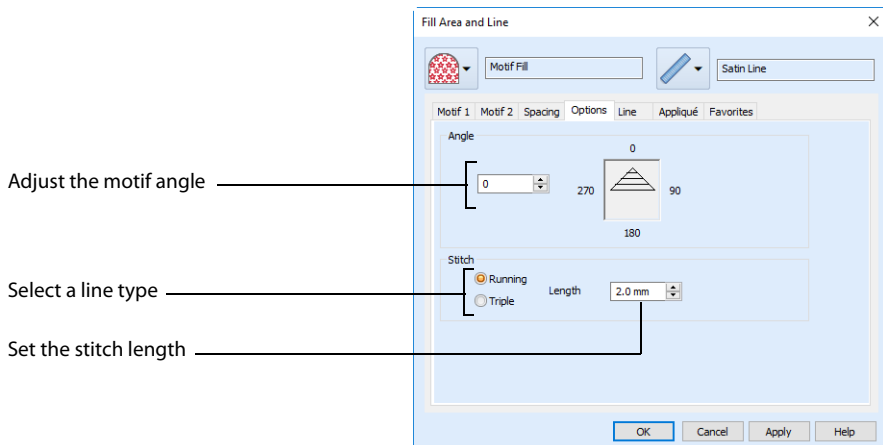
The Horizontal offset moves the motifs along each line, relative to the previous line. The Vertical offset adjusts the position of every other line of motifs, so that it is nearer to one line than the next or previous line.

Set the Horizontal and Vertical gaps from -50% to 50%.

The offset is limited to 50% each way because, for instance, a 75% offset would be the same as a -25% offset.

## Motif Fill — Options

Use the Options tab to see and change the settings for fill angle, stitch type and length.








### Angle

The angle of the motif fill pattern, as shown by the arrow. Set the Angle from 0 to 359 degrees.

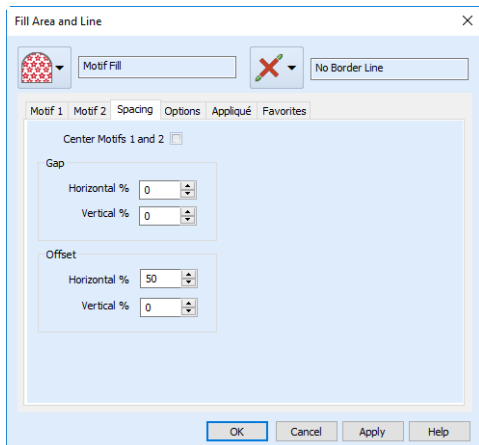
### Stitch



Select Running or Triple stitch for stitching out the motifs. Set the maximum Length of stitches from 1 to 12mm in steps of 0.1mm.

## Use Motif Fills in Two Petals





- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicFill'.
- 2 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 3 Click the View tab, and ensure that Grid size is set to 5mm.
- 4 Select the fill area for the middle petal, then right-click to see the Fill Area and Line dialog box.
- 5 In the Fill drop-down menu at the top left, select Motif Fill . The Motif 1 tab of the motif fill properties is displayed.
- 6 Set the Group to Universal and the Category to Candlewicking 1. Pattern 1 is selected automatically, which is the desired Pattern.
- 7 Click the Spacing tab.

## 8 Set the Horizontal Offset to 50%.



- 9 Click OK. The effect is displayed in the work area.
  - 10 Select the fill area for the petal on the right, then right-click to see the Fill Area and Line dialog box.
  - 11 In the Fill drop-down menu at the top left, select Motif Fill .
  - 12 Set the Group to Universal and the Category to General Motifs 1. Click the drop-down arrow for Pattern, scroll up the list and select Pattern 2.
  - 13 Click Apply to preview the effect. If needed, move the Fill Area and Line dialog box to the left to view the effect.
  - 14 Click the Motif 2 tab.
  - 15 Click 'Use Motif 2' so it is selected. The Motif 2 options become available.
  - 16 Set the Group to Universal and the Category to General Motifs 1. Click the drop-down arrow for the Motif 2 Pattern, scroll up the list and select Pattern 2.
  - 17 Click the Spacing tab.
  - 18 Set the Vertical Offset to 30%.
  - 19 Click the Motif 1 tab.
  - 20 Click the Mirror option for Motif 1 so it is selected. The motif will be mirrored vertically.
  - 21 Click Apply to preview the effect.
  - 22 Click the Options tab.
  - 23 Change the Angle to 200 and select Triple as the stitch type.
  - 24 Click OK. Click Life View  to see the effect, then click Cancel.
- Add a motif line flower to the left petal in "Create a Flower with Motif Lines" on page 381.


## Insert Motif Fill in an Appliqué Petal

- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsApplique\_Picot'.  
*Alternatively, use the petals design that you created in "Create Appliqué Areas with Express Border" on page 89, and added a picot motif line to in "Change Satin Line to Picot Motif Line" on page 385.*
- 2 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 3 Click the View tab, and ensure that Grid size is set to 5mm.
- 4 Click the edge of the petal on the right. Its nodes (points) are displayed.
- 5 In the status bar the stitch type is displayed as Satin Line Appliqué.



*In the FilmStrip the object should also be Satin Line Appliqué. You can select objects in the FilmStrip, or press the right and left arrow keys to step through the objects in the design.*

6 Right-click the work area to see the Fill Area and Line properties for this Satin Line.

7 In the Fill drop-down menu at the top left, select Motif Fill .

*It will currently be shown as No Fill.*

8 In the Motif 1 tab set the Motif Group to Universal, and the Category to Hand Stitches 1.

9 Click the drop-down arrow for Pattern and select Pattern 17, a tied cross.

10 Click OK to close the dialog box.

11 Notice that the motif fill in the petal on the right is the same color as the border stitches. The motif fill will look nice in variegated thread.

12 In the FilmStrip, right-click the petal in the middle (FilmStrip item number 2) and select Insert Color Change. The Color Selection dialog box will appear.


*This places the color change between the two petals.*

13 Click Show All Thread Ranges, then click the drop-down arrow for the Thread Range and select Robison-Anton Rayon Vari 40.

14 In the shade list, browse for 2370 (4CC Melody) or enter 2370 in the Find Thread box. Click OK.  
*This changes the color for the Motif Fill, but also changes the color of all the objects that follow it.*

15 Right-click the Motif Fill area to open Fill Area and Line properties.


16 Click the Line tab.

17 Click (check) Insert Color Change, and then click Line Thread Color . The Color Selection dialog box opens.

18 Click the drop-down arrow for the Thread Range and select Robison-Anton Rayon 40.

19 Type 2275 in the Find Thread box to select 2275 (Slate Blue). Click OK.

20 The thread color is now a dark blue. Click OK to close the Fill Area and Line dialog box.

21 Click Life View . The motif fill in the petal on the right is now shown in variegated thread, with a blue border, but the petal on the left is variegated. It should be changed to blue. Click Cancel to close the dialog box.


*The border color change affects only the color of the border around the motif fill area. It does not affect any other objects. So a separate color change is needed.*

22 In the FilmStrip, ensure that the Motif Fill petal is selected.

23 Right-click on the FilmStrip, then click Insert Color Change and the Color Selection dialog box will appear.

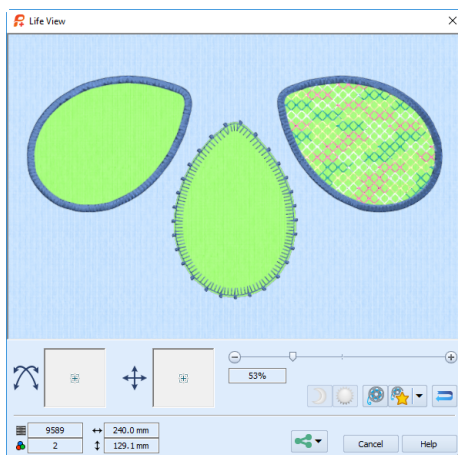
24 Click the drop-down arrow for the Thread Range and select Robison-Anton Rayon 40.

25 Type 2275 in the Find Thread box to select 2275 (Slate Blue). Click OK.

26 Click Life View . The borders are now all blue, with a variegated thread motif fill area.

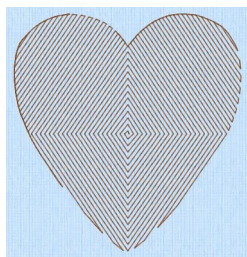
27 Click Cancel.

*Add a contour fill flower to the left petal in "Create a Contour Fill Flower" on page 316.*

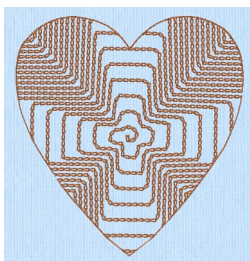


# Shape Fill

Shape fill areas use one of 75 different shapes. Vary the stitch density, use motif lines for the fill and add holes.



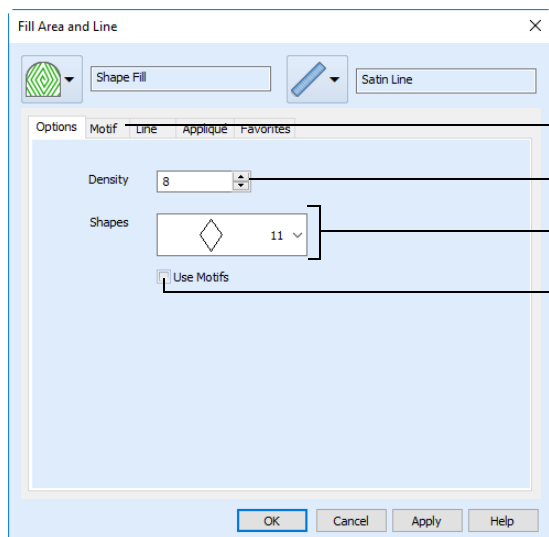
Shape Fill Area using Shape 11 and Density 18



Shape Fill Area using Shape 23 and Motif 1 from Hand Stitches 1

The Fill Area and Line properties for Shape Fill has tabs for setting all the properties on a shape fill area. It appears when you click a shape fill area so that the points defining its shape are shown, and then right-click. It also appears when you click the Fill Area and Line button in the Options section on one of the Create tabs.

## Shape Fill — Options



Select a motif for the fill

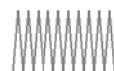
Set the stitch density for the fill

Select a shape for the fill

Use motif lines in the fill

### Density

Set Density from 2 to 40. The lower the number, the closer together the stitches and the more stitches are produced.



**2**



**15**

## Shapes

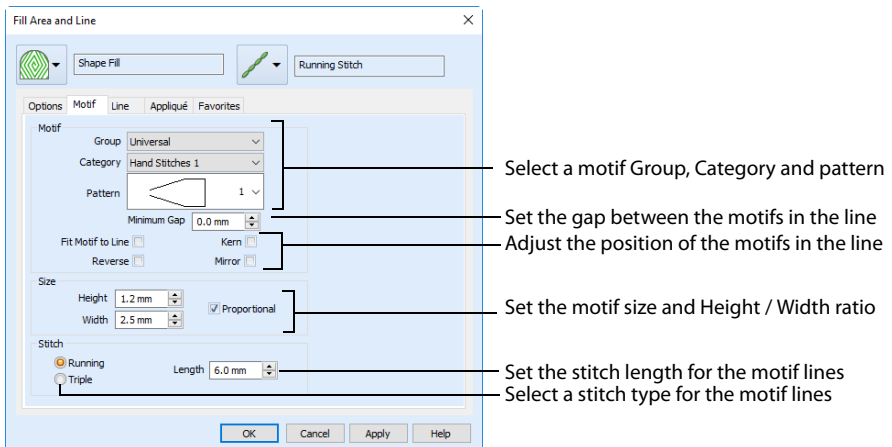
Click the drop-down arrow and select the desired shape from the list.

## Use Motifs

Click Use Motifs if you would prefer to use motifs instead of a plain line to follow the shape selected for the fill. Click the Motif tab to choose a motif.

## Shape Fill — Motif

The selected Motif is only used by the Shape Fill if the Use Motifs option is selected on the Options tab.



## Motif

### Group

Click the drop-down arrow to select the desired group of motif patterns.

### Category

Click the drop-down arrow to select the desired category of motif patterns.

### Pattern

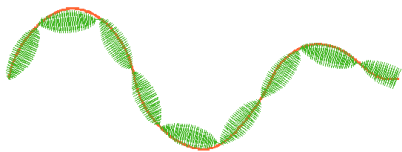
Click the drop-down arrow to select the desired motif visually. Motifs are also numbered for convenient reference.

### Minimum Gap

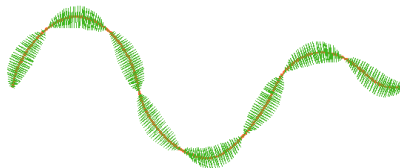
The Minimum Gap is the minimum amount of extra stitching that is placed between the motifs along the line. This is in addition to any spacing that is part of the selected motif.

## Fit Motif To Line

Select this option to make the shape of the motifs follow the curves of the line.



When Fit To Line is off, the ends of each motif are placed on the line.



When Fit To Line is on, each motif is adjusted to fit along the line.

## Reverse

Use this option to reverse the direction of the motif along the line. This is useful, for instance, if you have placed a QuickStitch™ Motif Line and wish to reverse the motif direction. Some motifs are symmetrical and will have no apparent change when they are reversed.

## Kern

Use Kern to automatically increase the space between adjacent motifs where necessary, so that the motifs fit along the line without overlapping.

## Mirror

Use this option to mirror the motif across the line of motif fill. Some motifs are symmetrical and will have no apparent change when they are mirrored.

## Size

### Height and Width

The Height and Width are initially set according to the chosen motif. The maximum and minimum values for Height and Width are individual to each motif.






### Proportional

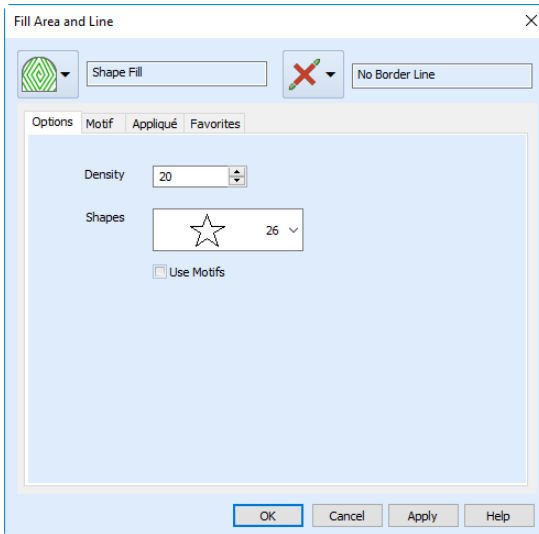
Use this option to keep the relative Height and Width in proportion when either is changed.




## Stitch

Select Running or Triple stitch for stitching out the motifs. Set the maximum Length of stitches from 1 to 12mm in steps of 0.1mm. Length is initially set to the recommended value for each motif.

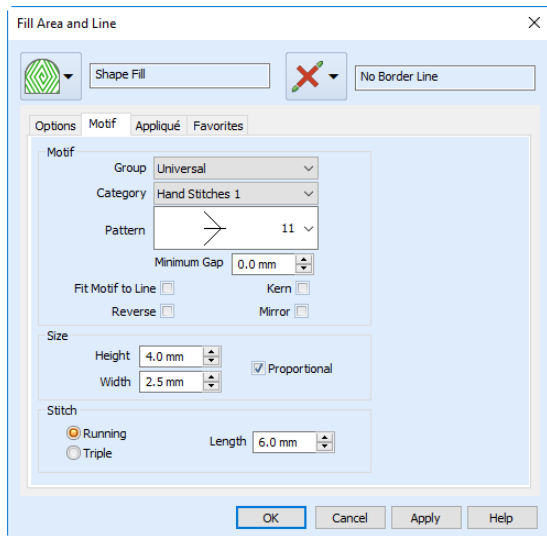
## Use Shape Fills in Three Petals



- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicFill'.
- 2 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 3 Click the View tab, and ensure that Grid size is set to 5mm.
- 4 Select the fill area for the petal on the right, then right-click to see the Fill Area and Line dialog box.
- 5 In the Fill drop-down menu at the top left, select Shape Fill . The Options tab of the shape fill properties is displayed.
- 6 Set Density to 20. This will create a lightly stitched pattern.
- 7 Click the drop-down arrow for Shapes and choose the five pointed star (shape number 26).

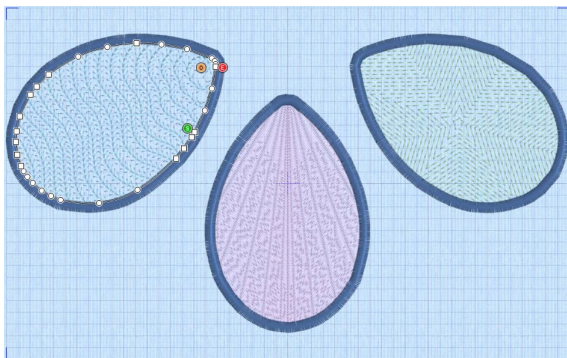




- 8 Click OK to apply the changes.
- 9 Select the fill area for the middle petal, then right-click to see the Fill Area and Line dialog box.
- 10 In the Fill drop-down menu at the top left, select Shape Fill . The Options tab of the shape fill properties is displayed.
- 11 Ensure the Density is set to 8.
- 12 Click the drop-down arrow for Shapes. Scroll down the list and choose the badge shape numbered 48.
- 13 Click OK.
- 14 Move the origin point  straight up the vertical grid center line until it is just above the petal. *Notice how the point of radiation changes.*
- 15 Select the fill area for the petal on the left, then right-click to see the Fill Area and Line dialog box.
- 16 In the Fill drop-down menu at the top left, select Shape Fill . The Options tab of the shape fill properties is displayed.
- 17 Ensure the Density is set to 8.
- 18 Click the drop-down arrow for Shapes. Scroll down the list and choose the curvy frame numbered 65.
- 19 Click the Use Motifs option so that it is selected, then click the Motif tab.
- 20 From the Universal Group, select the Hand Stitches 1 Category.

- 21** Scroll down the Pattern list and select pattern 11 (the closed fly stitch).





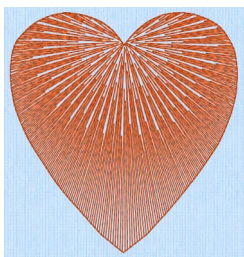
- 22** Click OK. The effect is displayed in the Create window.
- 23** Move the origin point  up so that it is just within the top right area of the petal.
- 24** Click Save  and browse to the folder Documents\Premier+2\My Designs.
- 25** Change the File name to 'PetalsShapeFill' and click Save.



- 26** Click Print  to print the embroidery worksheet.
- 27** Click Export Embroidery  and ensure that .vp4 is set as the file format. Click OK.
- 28** In the Save As dialog, browse to the folder Documents\Premier+2\My Designs and click Export. The embroidery is saved as PetalsShapeFill\_Exported.  
*There is no need to change the file name, as it is taken automatically from the design file name.*

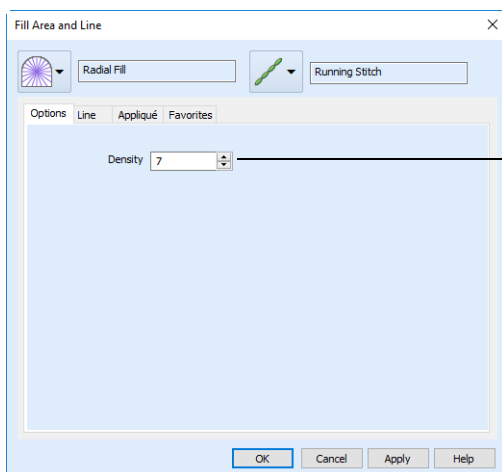
# Radial Fill

Radial fill areas  use a pattern of radiating lines from an origin point  that can be moved. Vary the stitch density and add holes.



Radial Fill with origin moved to top of heart

## Radial Fill — Options

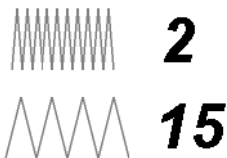


Set the density from 2 to 40





### Density


Set Density from 2 to 40. The lower the number, the closer together the stitches and the more stitches are produced.

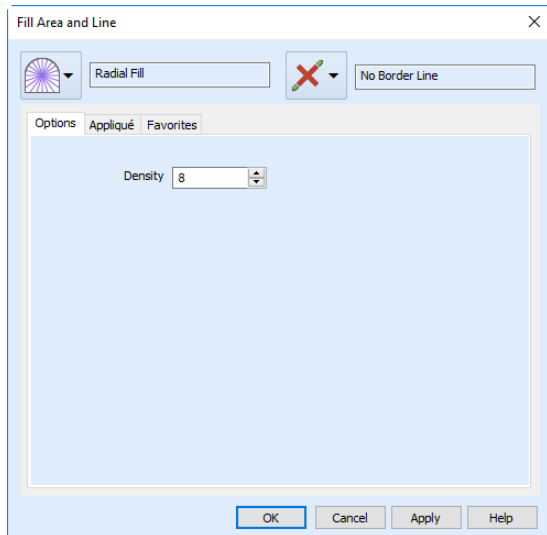
The initial setting is 20.



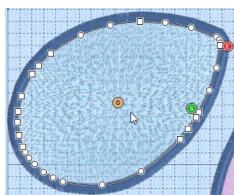
## Use a Radial Fill in a Petal

- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicFill'.  
*Alternatively, use the petals design that you created in "Create a Petal Design with the ExpressDesign Wizard" on page 87, and added a multicolor gradient fill in "Fill a Petal with a Multicolor Gradient Density Fill" on page 293.*
- 2 Click File, Preferences  and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.

- 3 Click the View tab, and ensure that Grid size is set to 5mm.
- 4 Click inside the petal on the left to select the fill area. It will be shown as a Pattern Fill on the status bar.
- 5 Right-click on the work area and the Fill Area and Line dialog box will appear.
- 6 In the Fill drop-down menu at the top left, select Radial Fill . The options in the tabbed pages below change.  
*The tabbed pages in the Fill Area and Line dialog box show the properties for the currently selected Fill and Line.*
- 7 The Options tab is initially selected. Set the Density to 8. This gives a lightly stitched, but distinctive, radial fill pattern.



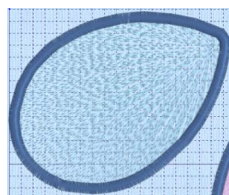
- 8 Click OK. The description of the area on the status bar will change to Radial Fill. Notice that the stitch lines of the radial fill radiate from the middle of the petal shape.






The stitch lines radiate from the origin.



Move the origin to the top right.





Click outside to view the radial fill.

- 9 Click and drag the origin marker  of the radial fill up and to the right until it is about one grid square from the corner of the petal.  
*The origin  is the start point for the repeating pattern in a pattern fill and the point from which stitches radiate in a radial fill, shape fill or spiral fill.*
- 10 Click outside the petal, so that the fill area is no longer selected. You can now see the effect of moving the origin.
- 11 Click Zoom To Fit .  
*To fill the right petal with a spiral fill, see "Fill a Petal with a Spiral Fill with Gradient Density" on page 311.*

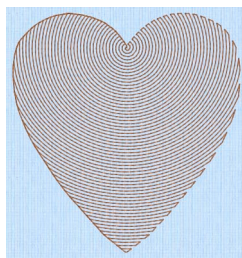


# Spiral Fill

Spiral fill areas  use a spiral pattern from an origin  point that can be moved. Use constant or gradient density, and add holes.



Spiral Fill using Gradient Density



Spiral Fill with origin moved to top of heart

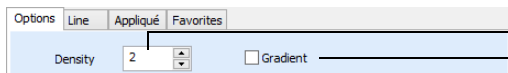
## Spiral Fill — Options

### Density

The density on a spiral fill area can change over a range, or have multiple density changes from the origin to the edge of the fill. Use Standard or Gradient density fill.

*Embroidery on thicker fabrics usually looks better with more stitch coverage, or a low density setting. Choose a low value such as 2 or 3 for heavy knit fabrics, a higher value such as 5 or 6 for a light material like linen or satin.*

### Standard Density

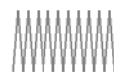


Set the density from 2 to 80

Select Gradient fill

Set the standard Density from 2 to 80. The lower the number, the closer together the stitches and the more stitches are produced.

The initial setting is 2.

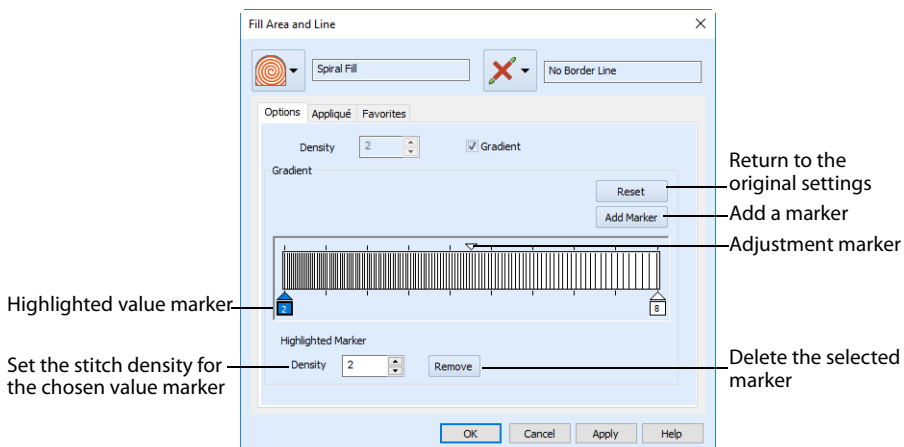


**2**



**15**

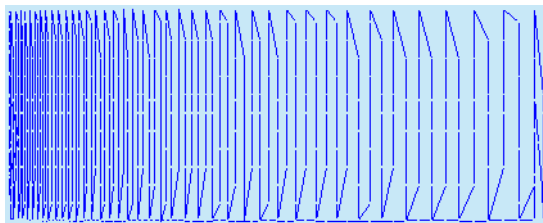
## Gradient Density



Use Gradient Density to change the density across the Spiral Fill. Set a value for the start and end density markers for the fill, and the density gradually changes between the two values. The start value is used at the origin of the spiral fill, and the end value is used at the edge.

*The markers can each take a value of 2 to 80, which means you can reverse the gradient simply by swapping the start and end values.*

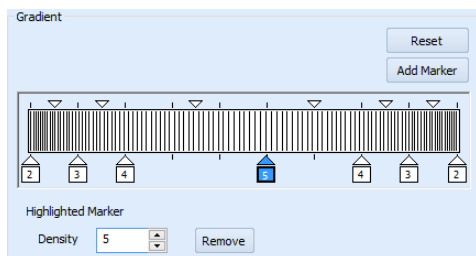
The example shows a Gradient of 2 to 15, with a fill angle of 90°.



Use the marker above the gradient bar to change the gradient across the fill.

### Add Marker

Click Add Marker to add a marker. The initial value for the marker will be between the existing markers. Edit the value and move the marker as desired.



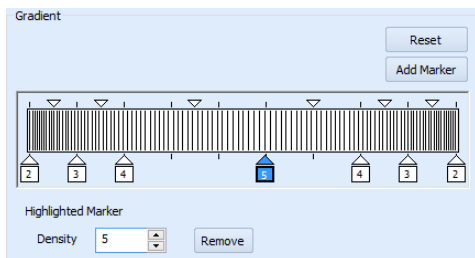
This means that you can have any combination of density values across the fill area. Remember, a higher value means the fill is less dense. The marker furthest to the left affects the spiral fill at the origin, then from left to right to the edge of the spiral fill.

## Remove

Click Remove to delete the highlighted marker.




## Use a Gradient with a Spiral Fill

- 1 Open the Fill Area and Line properties dialog and click the Density tab.
- 2 Click the Gradient option. The Gradient box will become available.
- 3 Click a value maker (the marker below the gradient bar) and change the value in the Density box to the required density value.
- 4 Click Apply to view your changes.
- 5 Move the adjustment marker above the gradient bar to vary the change in density across the fill.
- 6 Click Add Marker to add another value marker and adjustment marker.
- 7 Change the density of the fill as desired.





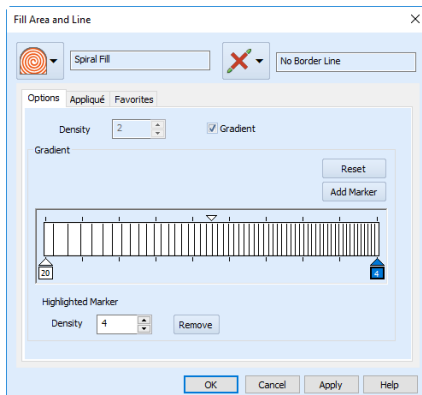
- 8 Click OK to close the Fill Area and Line properties dialog.

## Fill a Petal with a Spiral Fill with Gradient Density




- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicFill'.

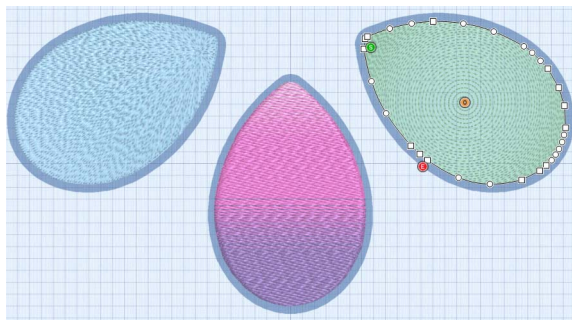
Alternatively, use the petals design that you created in "Create a Petal Design with the ExpressDesign Wizard" on page 87, and added a multicolor gradient fill and radial fill in "Fill a Petal with a Multicolor Gradient Density Fill" on page 293 and "Use a Radial Fill in a Petal" on page 307.

- 2 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 3 Click the View tab, and ensure that Grid size is set to 5mm.
- 4 Select the fill area for the petal on the right, then right-click to see the Fill Area and Line dialog box.
- 5 In the Fill drop-down menu at the top left, select Spiral Fill . The density tab of the spiral fill options is displayed.
- 6 Select the Gradient density option.
- 7 Change the marker on the left (the start value) to 20.
- 8 Change the marker on the right (the end value) to 4.




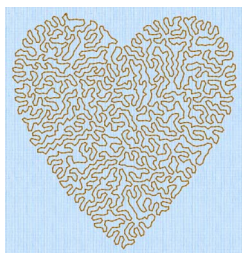
*This will create a lightly stitched pattern at the origin of the spiral fill, shading to a more heavily stitched pattern at the edges.*

- 9 Click OK. The spiral fill is displayed in the third petal.
- 10 Click Save  and browse to the folder Documents\Premier+2\My Designs.
- 11 Change the File name to 'PetalsFill2' and click Save. The file is saved as PetalsFill2.edo.
- 12 Click Export Embroidery  and ensure that .vp4 is set as the file format. Click OK.
- 13 In the Save As dialog, browse to the folder Documents\Premier+2\My Designs and click Export. The embroidery is saved as PetalsFill2\_Exported.  
*There is no need to change the file name, as it is taken automatically from the design file name.*
- 14 Click Print  to print the embroidery worksheet.

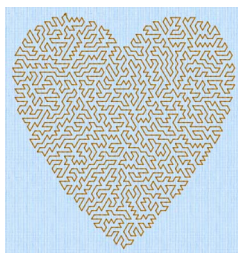


# QuiltStipple Fill

QuiltStipple fill areas  use stipple stitch in a curved or straight lines. Vary the gap between stitch lines, use running or triple stitch, and add holes.

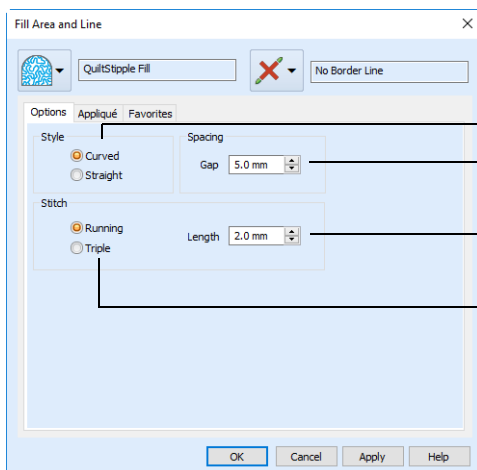


QuiltStipple Fill using a curved style



QuiltStipple Fill using a straight style

## QuiltStipple Fill — Options



Select curved or straight stipple lines

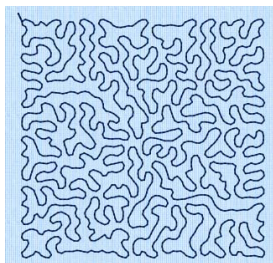
Set the spacing between the stipple lines

Set the stitch length for the stipple lines

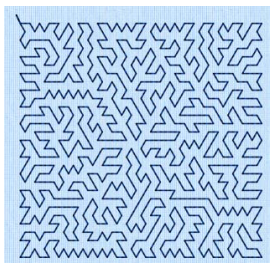
Select a stitch type for the stipple lines

### Style

Choose between curved or straight.



Curved



Straight

## Spacing










Set the Gap to the preferred distance between lines of stitching. This also, where possible, is the border inside the area, between the edge of the area and the fill pattern.

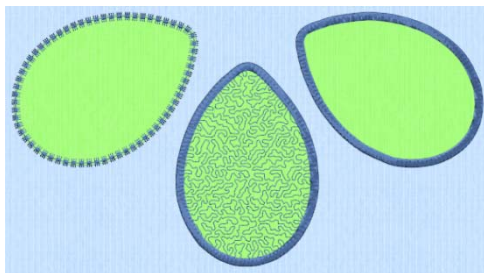
Set the Gap from 1 to 20mm in steps of 0.1mm. It is initially set to 5.0mm.

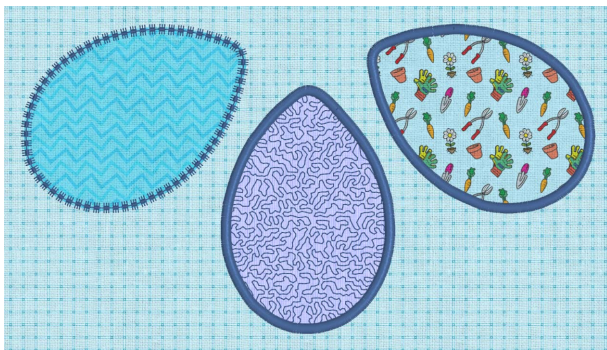
## Stitch

Select Running or Triple stitch for stitching out the fill. Set the Length of stitches from 1 to 12mm in steps of 0.1mm. Length is initially set to 2mm.

## Insert QuiltStipple Fill in a Petal


- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsApplique\_Butterfly Line'.  
*Alternatively, use the petals design that you created in "Create Appliqué Areas with Express Border" on page 89, and added a motif line to in "Change Satin Line to Motif Line in an Appliqué Petal" on page 384.*
- 2 Click the View tab, and ensure that Grid size is set to 5mm.
- 3 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 4 Click along the edge of the middle petal to select the petal.
- 5 In the status bar the stitch type is displayed as Satin Line Appliqué.  
*In the FilmStrip the objects should also be Satin Line Appliqué. You can select objects in the FilmStrip, or press the right and left arrow keys to step through the objects in the design.*
- 6 Right-click the work area to see the Fill Area and Line properties for this Satin Line.
- 7 In the Fill drop-down menu at the top left, select QuiltStipple Fill .  
*It will currently be shown as No Fill.*
- 8 In the Options tab, set the Gap in Spacing to 2.0mm.
- 9 Click OK.
- 10 In the Quick Access toolbar, click Save  and browse to the folder Documents\Premier+2\My Designs.
- 11 Change the File name to 'PetalsApplique1' and click Save to save your design file.
- 12 Click Export Embroidery  and ensure that .vp4 is set as the file format. Click OK.
- 13 In the Save As dialog, browse to the folder Documents\Premier+2\My Designs and click Export. The embroidery is saved as PetalsApplique1\_Exported.  
*There is no need to change the file name, as it is taken automatically from the design file name.*
- 14 Click File, Print. Deselect (uncheck) Print Plan View and Print Picture.
- 15 Click Print  to print the embroidery worksheet.  
*To change the appliqué fabric for the petals, right-click and in the Fill Area and Line dialog box click the Appliqué tab. Click the Select Fabric button and choose a Quick Color for a fabric, or click Fabric and then load  a fabric with the Picture Viewer.*

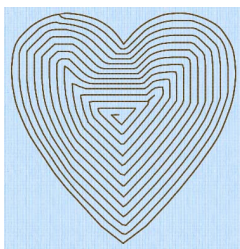




*If desired, open the embroidery in PREMIER+™ 2 Embroidery Extra to preview on a garment or fabric background, as in the example.*

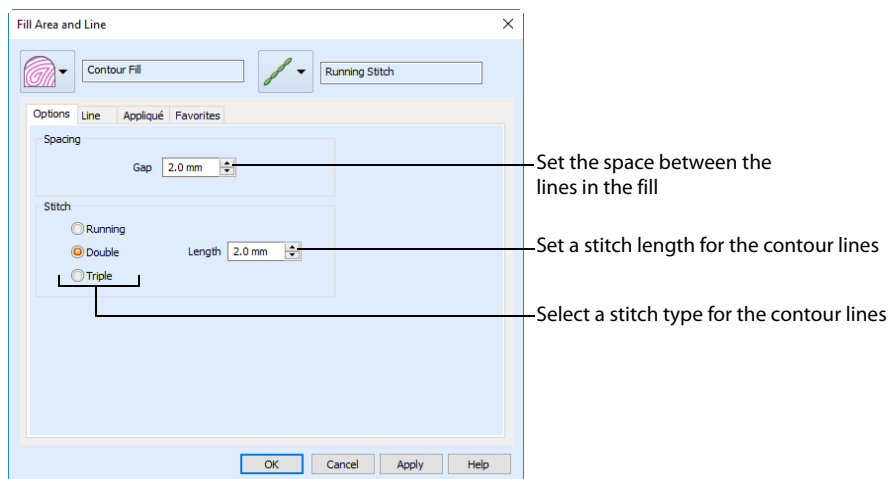
# Contour Fill

Contour fill areas  use contour stitch lines. Vary the gap between stitch lines and the length of the stitches, use running, double or triple stitch, and add holes.



Contour Fill, using Triple Stitch and a 3.0mm gap

## Contour Fill — Options



### Spacing




Set the Gap to the preferred distance between lines of stitching. This also is the border inside the area, between the edge of the area and the fill pattern.

Set the Gap from 0.2 to 5mm in steps of 0.1mm. It is initially set to 2.0mm.

### Stitch













Select Running, Double or Triple stitch for stitching out the fill. Set the Length of stitches from 1 to 12mm in steps of 0.1mm. Length is initially set to 2mm.

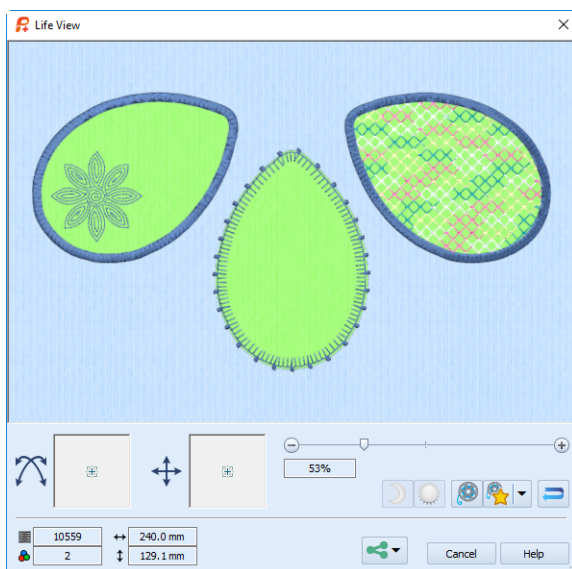
## Create a Contour Fill Flower

- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsApplique\_MotifFill'.



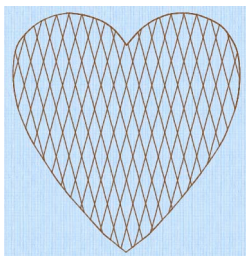
Alternatively, use the petals design that you created in “Create Appliqué Areas with Express Border” on page 89, and added a motif fill to in “Insert Motif Fill in an Appliqué Petal” on page 300.

- 2 Click the View tab, and ensure that Grid size is set to 5mm.
- 3 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 4 Click the Paint tab.
- 5 Click the MiniPics icon  and the Picture Viewer dialog box will appear.  
*Browse to the folder ProgramData\VSMSoftware\Premier+2\MiniPics\Paint\Medium.*
- 6 Click the purple and yellow flower called '17.axw'.
- 7 Click the Close button in the dialog box.
- 8 Click and drag inside the selection box to move the flower. Position it in the larger end of the petal on the left.
- 9 Click Pick Foreground Color , then click on the purple in the petals of the flower head. The color in the color box changes to purple.
- 10 Click Flood Fill  and the pointer changes to the paint bucket .
- 11 Click the yellow in the center of the flower and it will be filled with the same purple as the petals.
- 12 Click the View tab.
- 13 Click 2D View .  
*This enables you to see the picture behind the appliqué fabric.*
- 14 Click the Quick Create tab.
- 15 Ensure that Fill is selected, then click the fill drop-down menu and select Contour Fill .
- 16 Ensure that Line and Appliqué are not selected. This will create a fill area without a border or appliqué.
- 17 Click QuickStitch™ .
- 18 Click inside the flower. The Color Tolerance dialog box will appear.
- 19 Click OK to close the Color Tolerance dialog box and right-click to deselect the fill tool. The flower head is filled with stitches that follow the contours of the petals.
- 20 Right-click the work area to open the Fill Area and Line properties dialog.
- 21 In Spacing on the Options tab, set the Gap to 1.2mm. Click OK.
- 22 Click Life View  to view the finished embroidery, then click Cancel.
- 23 Click Save  and browse to the folder Documents\Premier+2\My Designs.
- 24 Change the File name to 'PetalsApplique2' and click Save.
- 25 Click Export Embroidery  and ensure that .vp4 is set as the file format. Click OK.
- 26 In the Save As dialog, browse to the folder Documents\Premier+2\My Designs and click Export to save the design as PetalsApplique2\_Exported.
- 27 Click Print  to print the embroidery worksheet.



# Crosshatch Fill

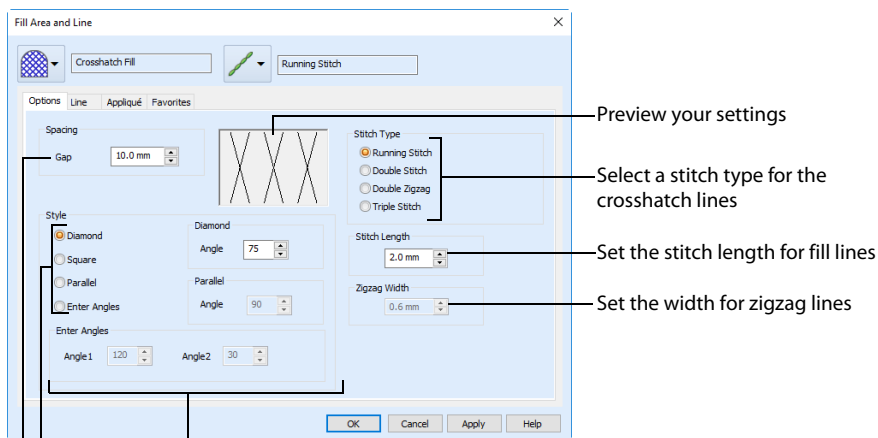
Crosshatch fills are used in quilting, and to create free-standing lace.



Crosshatch Fill, using Diamond style and an Angle of 75 degrees

## Crosshatch Fill — Options

The Crosshatch Fill Properties enable you to set the gap, style, line angle, stitch type and stitch length for the crosshatched lines of stitching in the fill. The preview changes according to the options chosen.



- Set the angle for one or both crosshatch lines
- Select a style for the Crosshatch fill
- Adjust the gap between the stitch lines

## Spacing

Set the Gap to the preferred distance between lines of stitching.

Set the Gap from 1mm to 20mm in steps of 0.1mm. It is initially set to 5mm.

## Style

Choose from Diamond, Square, Parallel and Enter Angles. Diamond is selected by default, and creates a symmetrical crosshatch pattern (balanced horizontally). Choose Enter Angles to create an asymmetrical crosshatch pattern, if desired.

## Diamond

Enter an Angle for the Diamond fill. The Angle is initially set to 45 degrees.

## Square

There are no additional options for the Square fill.

## Parallel

Enter an Angle for the Parallel fill. The Angle is initially set to 90 degrees.

*The Pattern Fills 257 to 264 provide banded fill patterns that combine with crosshatch parallel fills to create a weave effect. Set Spacing for the parallel fill at 2.4mm to combine with Pattern 257, 2.8mm to combine with Pattern 258, and so on.*

## Enter Angles

Enter an angle for each of the two line directions in the crosshatch. Angle1 is initially set to the same angle as the Diamond style previously used, and Angle2 is initially set to this angle plus 90 degrees.

## Stitch Type

Select a stitch type for the crosshatch fill. Choose from:

- Running Stitch
- Double Stitch
- Double Zigzag
- Triple Stitch

## Stitch Length









Set the Stitch Length from 1 to 12mm in steps of 0.1mm. The initial setting is 2.0mm.

## Zigzag Width

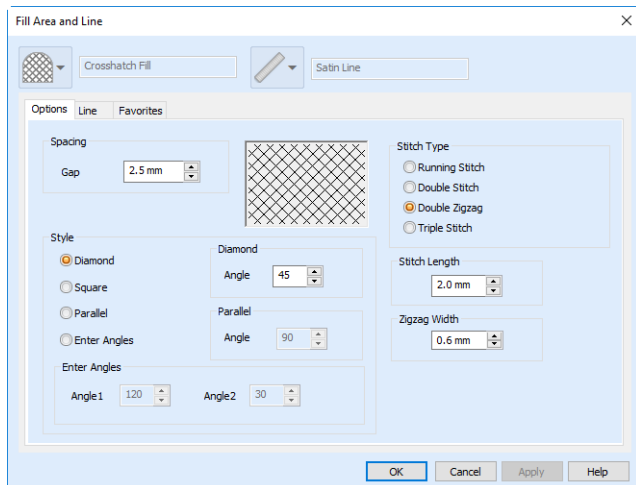
Set the Zigzag width for Double Zigzag stitch from 0.1 to 6mm in steps of 0.1mm. The initial setting is 0.6mm.

*Double Zigzag is a special stitch type, recommended for lace. A running stitch line is retraced in a zigzag pattern to create a mesh. After embroidering on water soluble stabilizer, the mesh of stitches provides strength when the stabilizer is washed away.*


## Creating and Changing Fills: Fleur de Lys Background and Base

- 1 In the Quick Access toolbar, click Change Hoop , and set the hoop to Universal, 100mm x 100mm - Universal Square Hoop 1.
- 2 Click the View tab, and ensure that Grid size is set to 5mm.
- 3 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 4 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load a Vector Picture as Objects into the Draw Window, then click Next. In the Choose Picture page, click Load a Picture , browse to the folder Documents\Premier+2\Samples>Create\Pics, and load the picture 'Fleur de lys.wmf'.
- 5 Click Next and in the Design Size page click Enter Design Size, change the Size to 90mm, and click Width. Click Finish to load the picture into the work area.
- 6 Click the Quick Create tab.
- 7 In the Fill Area and Line section, click the Fill drop-down menu and select Crosshatch Fill . In the Line drop-down menu select Satin Line . Ensure that Appliqué  is not selected.

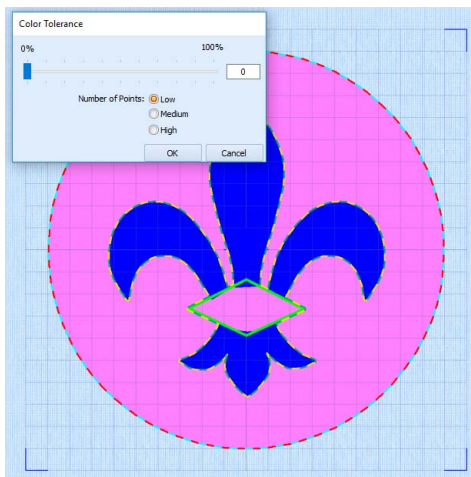
- 8 In the Options section, click the Fill Area and Line button. The Fill Area and Line dialog box opens at the Options tab for Crosshatch Fill.
- 9 In Spacing set the Gap to 2.5mm. Set Style to Diamond, and ensure the Angle for Diamond is 45.
- 10 In Stitch Type select Double Zigzag. Set Stitch Length to 2.0mm, and Zigzag Width to 0.6mm.






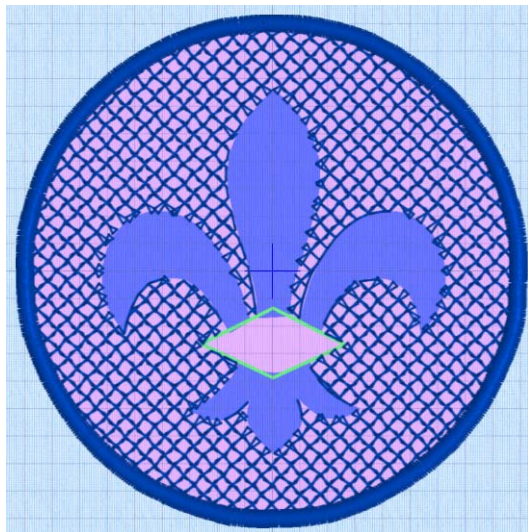
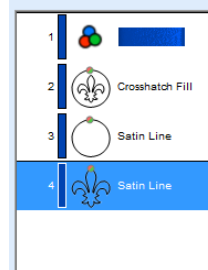
*Double Zigzag is a special stitch type, recommended for lace. A running stitch line is retraced in a zigzag pattern to create a mesh. After embroidering on water-soluble stabilizer, the mesh of stitches provides strength when the stabilizer is washed away.*


- 11 Click the Line tab.
- 12 Ensure that Density is set to 4 and that Underlay is selected (checked). Set Width to 3.0mm. *These settings are for the fill area and its border. They are parts of the same object.*
- 13 Click OK to close Fill Area and Line properties.
- 14 Click QuickStitch™ + AutoHole .
- 15 Click within the circle, but outside the fleur de lys. The dashed line will show the area selected for the fill area, with a different colored dashed line around the fleur de lys.
- 16 Click OK and the crosshatch fill area will appear.
- 17 Right-click to deselect QuickStitch™ + AutoHole.

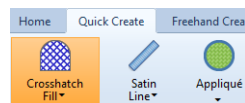
*A satin border is created around the outside of the circle, and around the edge of the fleur de lys (the edge of the hole). In the FilmStrip the Crosshatch Fill area and its borders are shown as a single object.*




- 18 Select the Crosshatch Fill area, and in the Edit tab click Break Apart . *Where there was one object (the Crosshatch Fill) there are now three (Crosshatch Fill, and two Satin Lines).* These objects can be edited individually.
- 19 Click the Satin Line in the shape of a fleur de lys at the bottom of the FilmStrip.
- 20 Right-click, and in the context menu click Delete . The fleur de lys satin line will be removed from the FilmStrip. *This removes the border around the fleur de lys hole, and leaves the border around the circle.*
- 21 Click the View tab and drag the Background slider to the central point (Fade Background ). You can now see the stitching better.



- 22 Click the Quick Create tab.
- 23 Click Line so that it is not selected.
- 24 In Options, click the Fill Area and Line button. The Fill Area and Line dialog box opens at the Options tab. *There should be no Line tab. If a Line tab is present, close the Fill Area and Line properties and deselect the Line button.*
- 25 In Spacing set the Gap to 2.4mm.
- 26 Set Style to Parallel, and set the Angle for Parallel to 90.
- 27 In Stitch Type, ensure Double Zigzag is selected. Leave Stitch Length at 2.0mm, and Zigzag Width at 0.6mm. Click OK to close Fill Area and Line properties.
- 28 Click QuickStitch™ .
- 29 Click in the bottom of the fleur de lys. The dashed line surrounds only the base of the fleur de lys, and does not go into the green band area. *This is not a problem as this area will be stitched separately.*
- 30 Click OK in the Color Tolerance dialog box. A parallel crosshatch fill area will appear.




- 31** Right-click to deselect QuickStitch™.
- 32** Click the Fill drop-down menu and select Pattern Fill . Then in the Options section click the Fill Area and Line button. The Fill Area and Line dialog box opens at Pattern Fill.

- 33** Set the fill Pattern to 257 (this is in the Gradient & Lace category).

- 34** Select (check) Gradient, then click Single Color Gradient and set the start and end markers to 6. (Delete any other markers.) *When a single color gradient is set with both markers at the same number, the traveling stitches will go around the fill area rather than across it. This is recommended for loosely stitched pattern fills such as this one.*

- 35** Set Angle to 0 and set Compensation to 0. Click OK to close Fill Area and Line properties. *Underlay does not have to be adjusted as it is automatically set to None for the gradient density fill.*

- 36** Click QuickStitch™ .

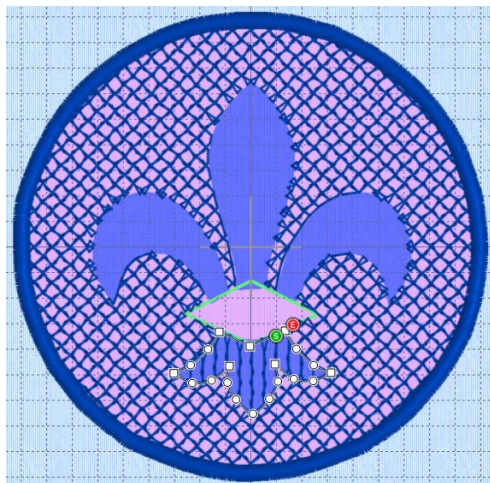
- 37** Click in the bottom of the fleur de lys and click OK in the Color Tolerance dialog box. A linear fill appears over the area of parallel crosshatch fill.

- 38** Right-click to deselect QuickStitch™.


*This combination of fill areas creates a loosely stitched 'weave' effect that will still have strength when the stabilizer is washed away.*

*Patterns 257 to 264 provide banded fill patterns that combine with crosshatch parallel fills to create a weave effect. Set Spacing for the parallel fill at 2.4mm to combine with Pattern 257, 2.8mm to combine with Pattern 258, and so on.*

- 39** To create a band and feathers for the fleur de lys, see "Create the Band and Feathers for a Fleur de Lys" on page 364.

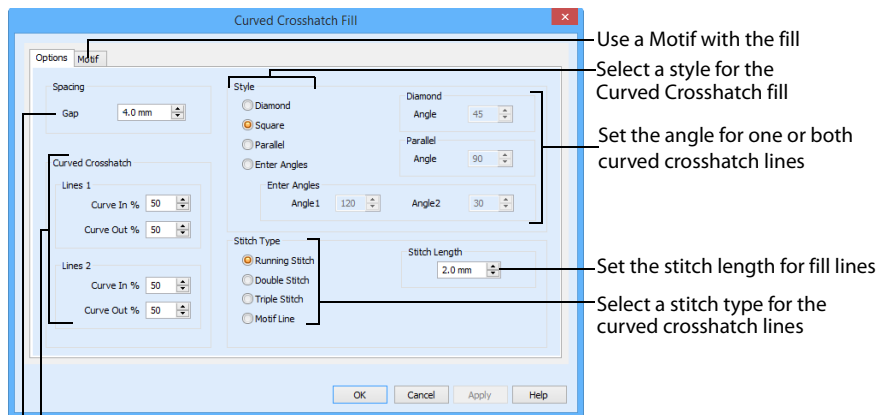


# Curved Crosshatch Fill

Curved Crosshatch fills  use curving lines in the crosshatch, which can be used to create a feeling of depth. They are used in quilting, and to create free-standing lace.

## Curved Crosshatch Fill Properties

The Curved Crosshatch Fill properties dialog box enables you to set the curve, gap, style, line angle, stitch type and stitch length for the curved crosshatched lines of stitching in the fill.



Set the curve for the curved crosshatch lines  
Adjust the gap between the stitch lines

*You can also change the curves in the crosshatch lines using the handles in the work area.*

## Spacing

Set the Gap to the preferred distance between lines of stitching.

Set the Gap from 1mm to 20mm in steps of 0.1mm. It is initially set to 5mm.

## Style

Choose from Diamond, Square, Parallel and Enter Angles. Diamond is selected by default, and creates a symmetrical crosshatch pattern (balanced horizontally). Choose Enter Angles to create an asymmetrical crosshatch pattern, if desired.

### Diamond

Enter an Angle for the Diamond fill. The Angle is initially set to 45 degrees.

### Square

There are no additional options for the Square fill which creates a crosshatch pattern of lines set at 90 degrees.

### Parallel

Enter an Angle for the Parallel fill. The Angle is initially set to 90 degrees.

*The Pattern Fills 257 to 264 provide banded fill patterns that combine with crosshatch parallel fills to create a weave effect. Set Spacing for the parallel fill at 2.4mm to combine with Pattern 257, 2.8mm to combine with Pattern 258, and so on.*

## Enter Angles

Enter an angle for each of the two line directions in the crosshatch. Angle1 is initially set to the same angle as the Diamond style previously used, and Angle2 is initially set to this angle plus 90 degrees.

## Stitch Type

Select a stitch type for the curved crosshatch fill. Choose from:

- Running Stitch
- Double Stitch
- Triple Stitch
- Motif Line

## Stitch Length

Set the Stitch Length from 1 to 12mm in steps of 0.1mm. The initial setting is 2.0mm.

## Curved Crosshatch

Use Lines 1 and 2 to change the curve on the crosshatch lines.

*You can also change the curves in the crosshatch lines using the handles in the work area.*

### Lines 1

Change the position of the origin for one of the sets of curved lines.

Set percentage Curve In and Curve Out from -100 to 100. The initial setting for Curve In % and for Curve Out % is 50.

### Lines 2

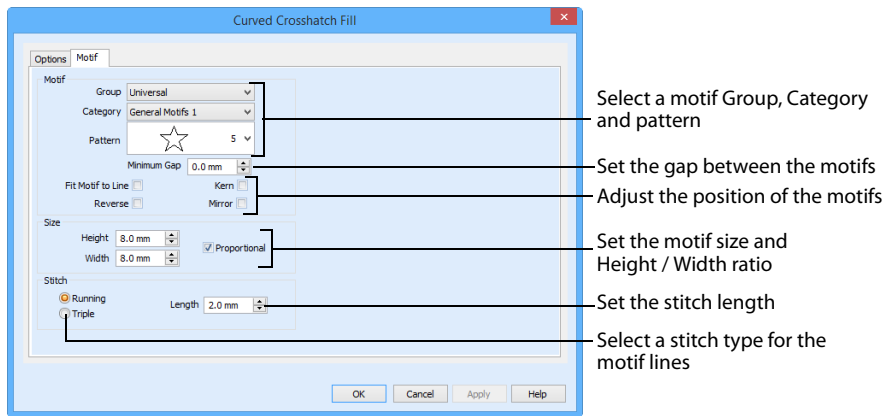
Change the position of the origin for the other set of curved lines.

Set percentage Curve In and Curve Out from -100 to 100. The initial setting for Curve In % and for Curve Out % is 50.



# Curved Crosshatch Fill — Motif

The selected Motif is only used by the Curved Crosshatch Fill if the Motif Line option is selected on the Options tab.



## Motif

### Group

Click the drop-down arrow to select the desired group of motif patterns.

### Category

Click the drop-down arrow to select the desired category of motif patterns.

### Pattern

Click the drop-down arrow to select the desired motif visually. Motifs are also numbered for convenient reference.

### Minimum Gap

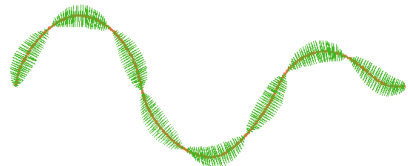
The Minimum Gap is the minimum amount of extra stitching that is placed between the motifs along the line. This is in addition to any spacing that is part of the selected motif.

### Fit Motif To Line

Select this option to make the shape of the motifs follow the curves of the line.



When Fit To Line is off, the ends of each motif are placed on the line.



When Fit To Line is on, each motif is adjusted to fit along the line.

## Reverse

Use this option to reverse the direction of the motif along the line. Some motifs are symmetrical and will have no apparent change when they are reversed.

## Kern

Use Kern to automatically increase the space between adjacent motifs where necessary, so that the motifs fit along the line without overlapping.

## Mirror

Use this option to mirror the motif across the line of motif fill. Some motifs are symmetrical and will have no apparent change when they are mirrored.

## Size

### Height and Width

The Height and Width are initially set according to the chosen motif. The maximum and minimum values for Height and Width are individual to each motif.




### Proportional

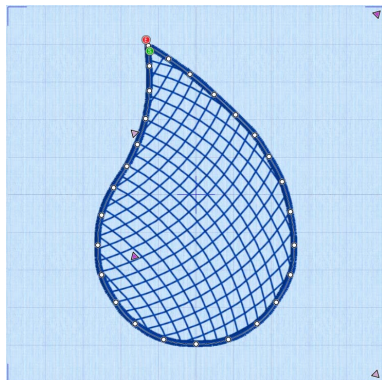
Use this option to keep the relative Height and Width in proportion when either is changed.

## Stitch

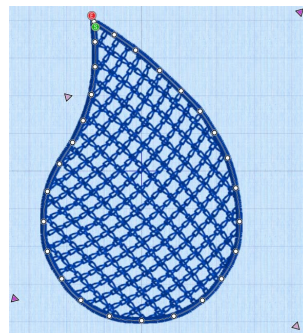
Select Running or Triple stitch for stitching out the motifs. Set the maximum stitch Length from 1 to 12mm in steps of 0.1mm. Length is initially set to the recommended value for each motif.

## Curved Crosshatch Fill in a Teardrop


- 1 Click File, New , or File, New Window , and in the Express Design Wizard, select the bottom option, Start a New Design with no Picture, then click Next twice.
- 2 In the Design Size page, set the hoop to Universal, 100mm x 100mm - Universal Square Hoop 1 and click Finish.
- 3 Click the Quick Create tab.
- 4 Ensure that the Fill and Line buttons are selected, and that Appliqué is not selected.
- 5 In the Fill drop-down menu select Curved Crosshatch Fill, and in the Line menu select Satin Line.
- 6 In Options, click Fill Area and Line to open the Fill Area and Line dialog box.
- 7 In the Options tab, set Gap to 3.5mm.
- 8 In the Line tab set Width to 1.5mm.
- 9 Click OK to close the Fill Area and Line dialog box.
- 10 In the Shape drop-down list, select Shape 41, a teardrop.
- 11 Click Shape . A curved crosshatch fill area appears on the work area in a selection box with blue handles. The crosshatch follows the curves of the shape.
- 12 Hold down the Ctrl and Shift keys, and drag a corner handle to enlarge the teardrop from the center so that the teardrop is about 80mm high.
- 13 Right-click outside the selection box.  
*This deselects the Box Select function.*  
The teardrop now has four pink triangular handles.  
*Check that all of the pink handles are within the hoop.*

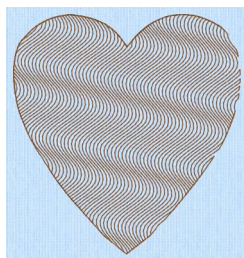


- 14 Click and drag the handle at the bottom left towards the bottom left corner of the hoop. The vertical crosshatch lines become less curved.
- 15 Click and drag the handle at the bottom right towards the top right corner. The horizontal lines curve towards the top.  
*The four handles enable you to adjust the curves of the lines in the fill. Use the handles to make the curves in the fill follow the outline of the shape.*
- 16 Right-click the fill area and select Properties in the context menu. The Fill Area and Line properties dialog box opens.
- 17 Use the title bar on the properties dialog box to drag it one side, so that you can see the teardrop.
- 18 In Style, select Parallel, then click Apply. The fill is now curved vertical lines.  
*The Style options set the type of parallel or crosshatched fill. Use Angle to set the angle for the lines.*
- 19 Select Square, then click Apply to return to the original style.
- 20 In Spacing, set the Gap to 4.0mm, then click Apply. The lines are now further apart.  
*Use Gap to set the distance between the crosshatch lines.*
- 21 In Lines 1 set Curve In and Curve Out to 0%, then click Apply. The horizontal hatching in the fill now consists of straight lines.  
*Setting Lines 2 to 0% as well would form a square grid. Lines 1 and 2 set the initial curve of the lines in the fill. Use the pink handles to adjust the curves within the shape.*
- 22 In Stitch Type, note that several line types are available. Select Motif Line, then click the Motif tab.
- 23 Set the Group to Universal and the Category to Hand Stitches 1. Pattern 1, a chain stitch pattern, is selected automatically.
- 24 Set the Height to 1.0mm. The Width will automatically change to 2.5mm because Proportional is selected.
- 25 Click Apply. The Curved Crosshatch Fill now uses a motif in the stitch lines.
- 26 Adjust the lines in the fill further, as desired.  
*Use Curved Crosshatch Fill for intersecting patterns and 3D effects.*

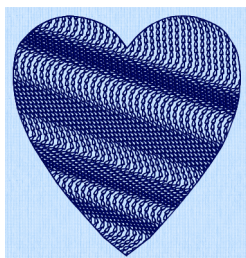


# MultiWave Fill

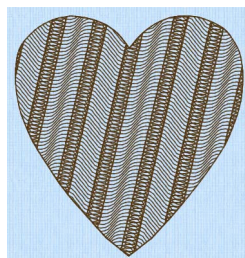
MultiWave Fill areas  use a wave pattern defined by a line, or lines, drawn on the fill area. Vary the density, or use a motif for the stitch lines.



MultiWave Fill, using a density of 15



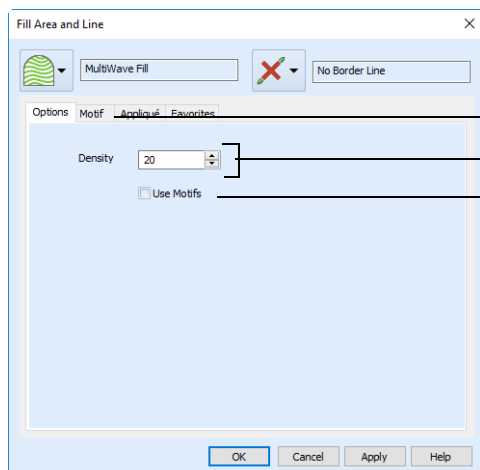
MultiWave Fill, using a density of 15, a Freehand MultiWave Line, and a Hand Stitches 1, Pattern 1 motif



MultiWave Fill, using a density of 15, and a short Freehand MultiWave Line to add texture

Change the direction of the stitch lines, or add texture, with Freehand MultiWave Line and Precise MultiWave Line. See “Freehand MultiWave Line” on page 248.

## MultiWave Fill — Options



Select a motif

Set the stitch line density for the fill

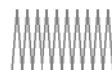
Use a motif line

### Density

Set Density from 2 to 40. The lower the number, the closer together the stitches and the more stitches are produced.

### Use Motifs

Click Use Motifs if you would prefer to use motifs instead of a plain line to follow the line angle selected for the fill. Click the Motif tab to choose a motif.



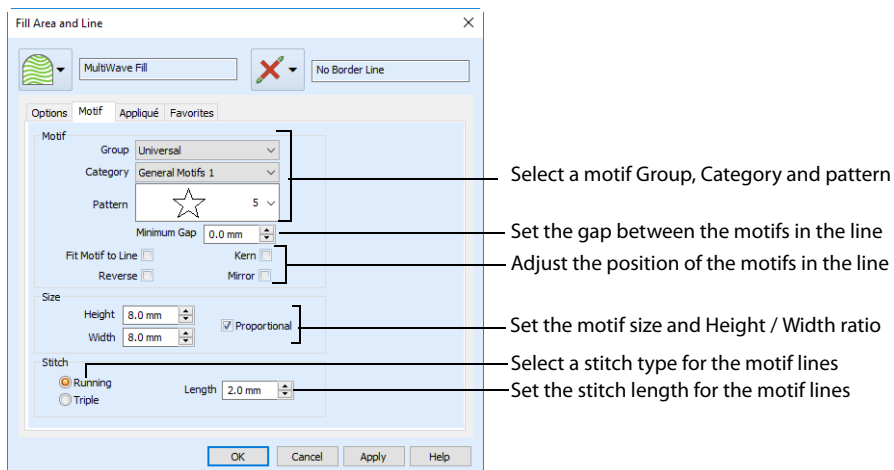
**2**



**15**

# MultiWave Fill — Motif

The selected Motif is only used by the MultiWave Fill if the Use Motifs option is selected on the Options tab.



## Motif

### Group

Click the drop-down arrow to select the desired group of motif patterns.

### Category

Click the drop-down arrow to select the desired category of motif patterns.

### Pattern

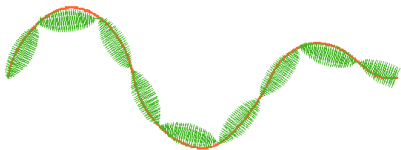
Click the drop-down arrow to select the desired motif visually. Motifs are also numbered for convenient reference.

### Minimum Gap

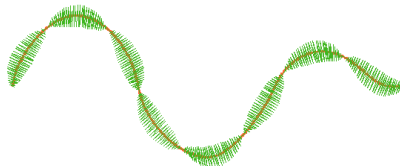
The Minimum Gap is the minimum amount of extra stitching that is placed between the motifs along the line. This is in addition to any spacing that is part of the selected motif.

### Fit Motif To Line

Select this option to make the shape of the motifs follow the curves of the line.



When Fit To Line is off, the ends of each motif are placed on the line.



When Fit To Line is on, each motif is adjusted to fit along the line.

## Reverse

Use this option to reverse the direction of the motif along the line. This is useful, for instance, if you have placed a QuickStitch™ Motif Line and wish to reverse the motif direction. Some motifs are symmetrical and will have no apparent change when they are reversed.

## Kern

Use Kern to automatically increase the space between adjacent motifs where necessary, so that the motifs fit along the line without overlapping.

## Mirror

Use this option to mirror the motif across the line of motif fill. Some motifs are symmetrical and will have no apparent change when they are mirrored.

## Size

### Height and Width

The Height and Width are initially set according to the chosen motif. The maximum and minimum values for Height and Width are individual to each motif.




### Proportional


Use this option to keep the relative Height and Width in proportion when either is changed.

## Stitch

Select Running or Triple stitch for stitching out the motifs. Set the maximum Length of stitches from 1 to 12mm in steps of 0.1mm. Length is initially set to the recommended value for each motif.

## Create MultiWave Fill Leaves

- 1 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 2 Click File, New , or File, New Window , and the Choose Design Type page of the ExpressDesign Wizard will appear.
- 3 Click Start a New Design with no Picture then click Next. The Select Background Type page will appear.  
*This will ensure that there is no design or picture loaded.*
- 4 Click Draw Window, then click Next. The Design Size page will appear.
- 5 Click Change Hoop and the Hoop Selection dialog box will appear.
- 6 Ensure that Enter Hoop Size is not selected, then select the Universal Hoop Group, 240mm x 150mm - Universal Large Hoop 2. Ensure the Orientation is Rotated, and click OK. The chosen hoop is previewed.
- 7 Click Finish to close the wizard.

8 Click MiniPics  and the MiniPics viewer will appear.


9 In the Picture Viewer, browse to the folder Draw\Fill\Flowers.


10 Double-click the first design '01\_Floral1.mini' to select it.

11 Click Close to close the viewer.

12 Notice there is a selection box around the leaves. Hold the Ctrl key down and drag the bottom right handle down until it is half a grid square above the bottom hoop corner.

13 Then hold the Ctrl key down and drag the top right handle up until it is half a grid square below the top hoop corner.

14 In the Object section of the ribbon bar, click Alignment, Center in Hoop .

15 With the leaf design selected, click File, Send to Wizard . If you are asked about saving changes to 'Untitled' (the MiniPic picture), click No.

16 In the Send To Wizard dialog box, select 'Retain individual object layers', then click OK. The Design window opens displaying an embroidery design based on the leaf picture. The design uses Pattern fill leaves with a running stitch outline. This suits the scale of the design in the hoop. If a larger hoop was used, the real-life outline would be wider and triple stitch (if 1-3mm wide) or a satin line (if over 3mm wide) would be used for the outline.

17 The design is also displayed in the FilmStrip on the left. Click, then right-click the Color Change (object number 5) above the Running Stitch at the bottom. Select Properties from the context menu. The Color Selection dialog box is displayed.

18 Ensure that Robison-Anton Rayon 40 is displayed in Thread Range.


19 Click in the Find Thread box and enter '2558'. Thread color 2558 (Buttercup) will be found in the list.

20 Click OK to change the color. This will change the stem to a bright gold color.


21 In the FilmStrip, click object 2 (the top Pattern Fill object).

22 Hold the Ctrl key, and click object 4 (the bottom Pattern Fill object). Both fills are now selected in the FilmStrip.

23 Right-click over one of the two highlighted sections in the FilmStrip and select Properties from the context menu. The Fill Area and Line dialog box for the Pattern Fills will appear, showing the Patterns tab for Pattern Fill.

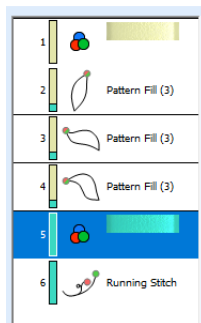
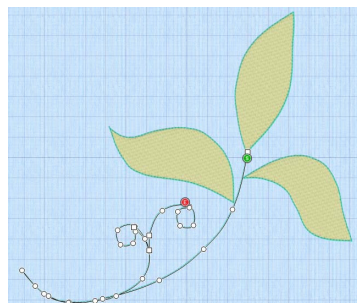
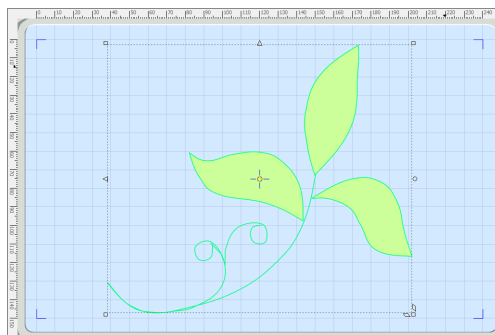
24 In the Fill drop-down menu at the top left, select MultiWave Fill . The tabbed pages below change, displaying the Options tab. Notice that Density is set to 20 by default. This gives a lightly stitched, but distinctive, MultiWave fill pattern.

25 Click the Line tab.

26 Insert Color Change should already be selected (checked). Click Line Thread Color . The Color Selection dialog box opens.

27 Ensure that Robison-Anton Rayon 40 is displayed in Thread Range.

28 Click in the Find Thread box and enter '2558'. Thread color 2558 (Buttercup) will be found in the list.





29 Click OK to change the color. The thread color is now a bright gold.

30 Click OK to close the Fill Area and Line dialog box.  
*In the two leaves on the right, you can now view the stitch density and pattern created by using the default MultiWave Fill settings.*

31 Click outside the leaves, then click the top leaf to select it.  
*In the status bar and FilmStrip you can check to ensure the MultiWave Fill is selected. You can use the arrow keys on the keyboard to step through the objects.*

32 In the Design Panel, click the Overview tab.

33 Use the Zoom Bar to zoom in on the top leaf, and click and drag in the overview window to position it in the center of the screen.

34 Click the Freehand Create tab.

35 Click MultiWave Line . The pointer will change to the pen pointer .

36 Starting above the leaf, draw a line down the middle of the leaf from top to bottom, finishing below the leaf.

*The stitch lines within the leaf will change to follow the direction of the line that you drew.*

37 Right-click to deselect the function. The node points on the line will be displayed.

*Adjust the nodes as desired.*

38 Right-click in the work area while the fill in the leaf is selected. The Fill Area and Line dialog box is displayed.

39 Leave the stitch Density at 20, and move the Fill Area and Line dialog box to one side so that you can see the leaf.


40 Select (check) Use Motifs.

41 Click the Motif tab.


42 In the Universal Group, change the Category to Candlewicking 1, then select Pattern 1.

43 Click Apply. Candlewicking knots will appear along the stitch lines in the fill.

44 Click OK to confirm the change.

45 Click Life View . The complete design is displayed.  
*Life View enables you to see the complete design while still zoomed in, without the selection node points and background image.*

46 Click Cancel.

47 Click Save  and browse to the folder Documents\Premier+2\My Designs.


48 Change the File name to 'ThreeLeavesA' and click Save.

*This saves your work as a design file in .edo format. If you make a mistake you can go back to your saved version.*

49 Use the Overview window to move to the leaf on the right.

50 Click the leaf to select it. (Check in the status bar that the MultiWave Fill is selected.)

51 Click the Precise Create tab.

52 Click MultiWave Line .










53 Starting to the left of the leaf, click to place points just above the top edge of the leaf. End the line of points to the right of the leaf.

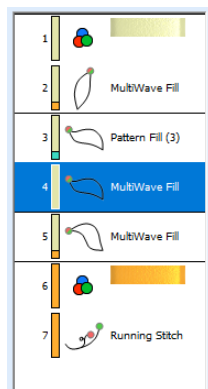
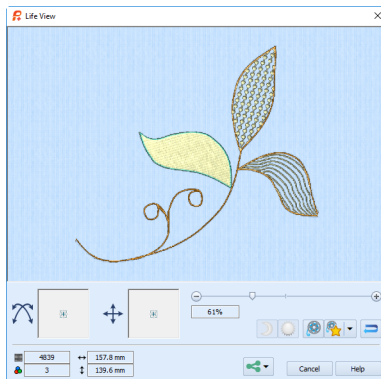
54 Right-click to finish the line.




*You do not need to follow the edge exactly.*

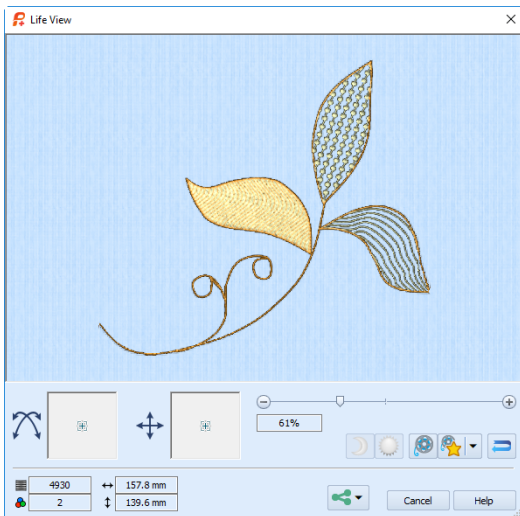





- 55** Starting to the left of the leaf, and below the first line, click to place a line of points just below the bottom edge of the leaf. End the line to the right of the leaf.
- 56** Right-click to place the line.  
*Do not place the two lines right next to each other, as this can greatly increase the stitch density. If the lines are too close you can adjust the nodes afterwards.*  
*Depending on the desired effect in an area you may add an unlimited number of MultiWave lines.*
- 57** Right-click to deselect the MultiWave line tool.
- 58** Right-click the fill in the leaf. The Fill Area and Line dialog box is displayed.
- 59** Change the Density to 15 and click OK.
- 60** Adjust the nodes in the MultiWave lines until the desired effect is reached.  
*To add or remove nodes, use Insert Points  or Delete Points  in the Home tab.*
- 61** Click Life View . The complete design is displayed.  
Click Cancel.
- 62** In the Quick Access toolbar, click Save As  and save the file as 'ThreeLeavesB'.
- 63** Use the Overview window to move to the leaf on the far left.
- 64** Click the Home tab.
- 65** Click the leaf to select it.
- 66** Click Box Select . A selection box with blue handles appears around the leaf.
- 67** Click Copy , then click Paste . A copy of the leaf fill area is placed on top of the original.
- 68** Click the lower copy (4) in the FilmStrip.  
*The lower part of the color block for this entry is turquoise.*  
*This is the color for the running stitch outline around the leaf.*  
*You can also see this color as a secondary color in the Color Select box in the Design panel. Hover over the turquoise in the Color Select box, and the leaf is highlighted in the work area. This is a way to locate the object using a secondary color.*
- 69** Right-click in the FilmStrip and select Properties. The Fill Area and Line dialog box appears.
- 70** In the Fill drop-down menu at the top left, select MultiWave Fill .
- 71** Ensure that the Density is set to 20, and click the Line tab.
- 72** In the Line tab, deselect (uncheck) the Insert Color Change checkbox. Then click OK.  
*The leaf outline will now be the same color as the fill.*
- 73** In the FilmStrip, click the Pattern Fill (number 3) to select it.
- 74** Right-click in the FilmStrip and select Properties. The Fill Area and Line dialog box appears.
- 75** Set Density to 3.
- 76** Change the Angle to 55.  
*This is at 90 degrees to the main curvature of the MultiWave Fill.*
- 77** Click the Line tab.
- 78** Insert Color Change should already be selected (checked). Click Line Thread Color . The Color Selection dialog box opens.
- 79** Ensure that Robison-Anton Rayon 40 is displayed in Thread Range.
- 80** Click in the Find Thread box and enter '2558'. Thread color 2558 (Buttercup) will be found in the list. Click OK.
- 81** Click OK again to close the Fill Area and Line dialog box.
- 82** With the Pattern Fill (number 3) still selected, right-click in the FilmStrip and select Insert Color Change.
- 83** Click in the Find Thread box and ensure that thread color 2558 (Buttercup) is selected.
- 84** Click OK to change the color. This bright color will contrast with the color of the Pattern Fill beneath the MultiWave Fill.
- 85** Click the MultiWave Fill.

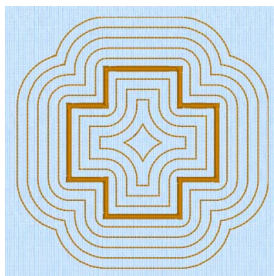


- 86** Right-click in the FilmStrip and select Insert Color Change.
- 87** Click in the Find Thread box and enter '2547'. Thread color 2547 (Pebblestone) will be found in the list.
- 88** Click OK to change the color. This changes the rest of the design back to the paler shade used by the Pattern Fill.
- 89** Click Life View . The final design is displayed.
- 90** Click Cancel.
- 91** In the Quick Access toolbar, click Save As  and save the file as 'ThreeLeavesC'.
- 92** Click Export Embroidery  and ensure that .vp4 is set as the file format. Click OK.
- 93** In the Save As dialog, browse to the folder Documents\Premier+2\My Designs and click Export to save the design as 'ThreeLeavesC\_Exported'. *The preferred file format for saving embroideries is .vp4 format as this will preserve the separate parts of multipart designs. It also preserves thread color information and notes.*

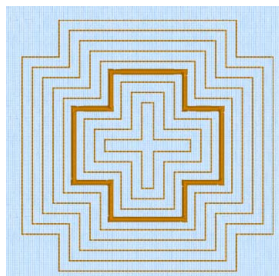


## Echo Fill

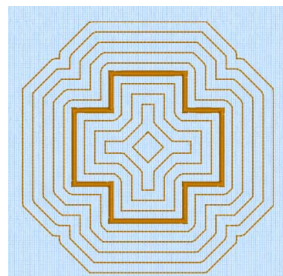
Echo Fill  places echo lines within and around a shape. Choose from rounded, square and diagonal corners, set the gap between the echo lines and the number of lines, and select the stitch type and length.



Rounded corners



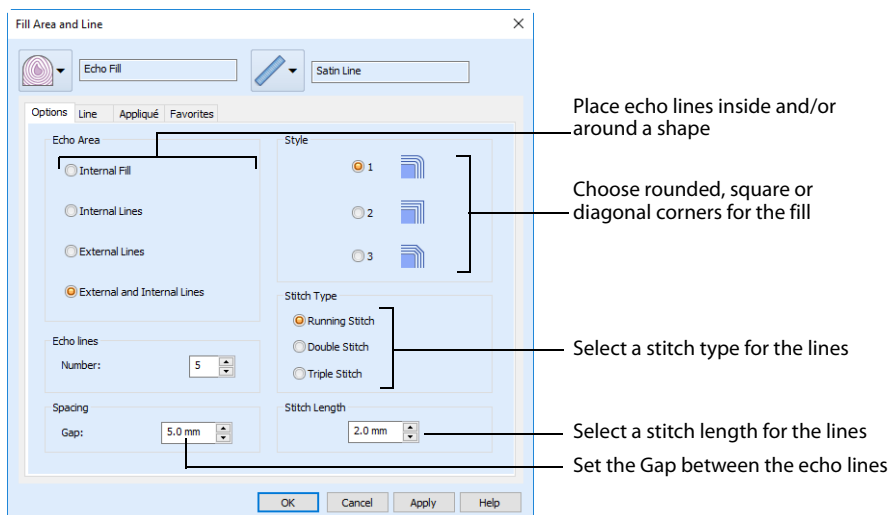
Square corners



Diagonal corners

## Echo Fill — Options

The Echo Fill properties dialog box enables you to place echo lines within a shape. Set the fill type, style, gap, stitch type and stitch length.



## Echo Area

**Internal Fill:** Fill the selected area with lines, using the chosen Gap between the lines of stitching.

**Internal Lines:** Place the chosen number of lines around the inside of the selected area, using the selected Gap.

**External Lines:** Place the chosen number of lines around the outside of the selected area, using the selected Gap.

**External and Internal Lines:** Place the chosen number of lines around the outside and inside of the selected area, using the selected Gap.

## Echo Lines

Set the number of echo lines. The minimum number of lines is 1, and the maximum number of lines is 30. The initial number is 5.



## Spacing


Set the Gap to the preferred distance between lines of stitching.

Set the Gap from 2mm to 20mm in steps of 0.1mm. It is initially set to 5mm.

## Style

Choose from 1, 2 or 3. For a square shape:

- 1  will create rounded corners
- 2  will create square corners

- 3  will create diagonal corners

Rounded corners (1) is initially selected.

## Stitch type

Select a line type for the echo lines in the fill. Choose from:

- Running Stitch
- Double Stitch
- Triple Stitch


## Stitch Length

Set the stitch length for the echo lines from 1 to 12mm in 0.1mm steps. The initial setting is 2mm.

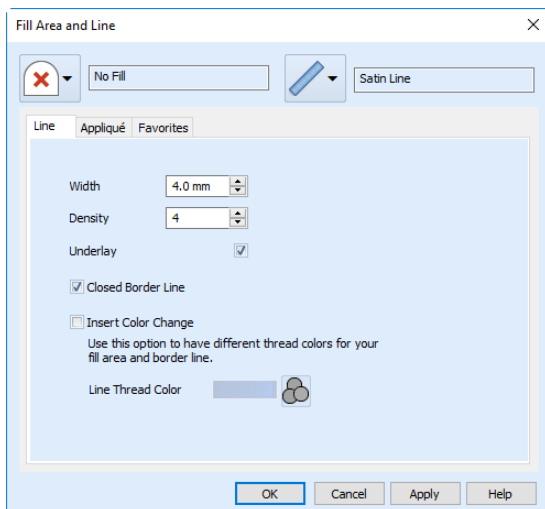
## Satin Area

See “Satin Area Options” on page 348.


## No Fill

For No Fill , no fill type is selected. Only the properties for the selected line are available.

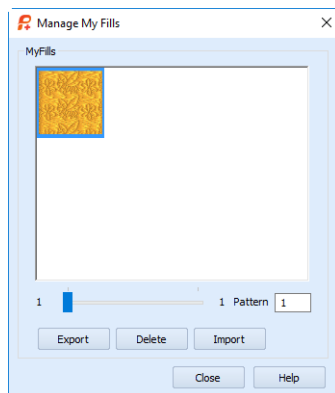
Use this where only a line is desired.




# Manage My Fills

Use Manage My Fills  to load new pictures for fill patterns, export an existing My Fill pattern as a picture and delete unwanted My Fills.

*If you have a design using a My Fill pattern and give it to a friend, it is likely that their My Fill database will have different patterns to your My Fill database. Export the My Fill pattern and give the picture to your friend to import into their My Fill database.*



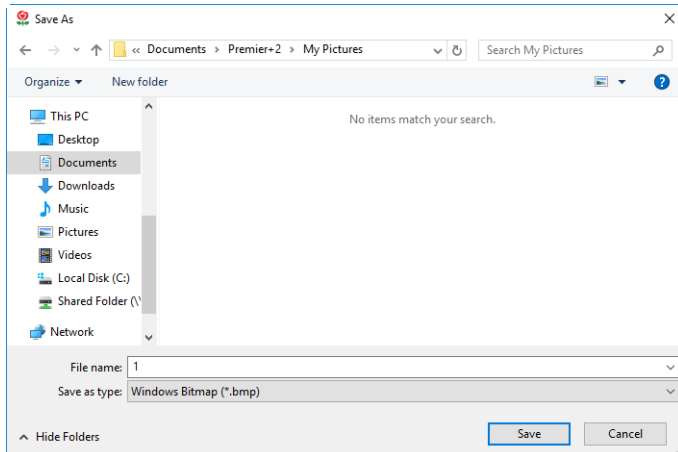
## Shortcuts

- Edit Tab: 
- Keys: Alt, E, F

## Export

Use Export to save a My Fill pattern as a picture. The picture can then be copied and imported into a friend's My Fills.

Click Export and the Save As dialog box appears. The file name is automatically set to the number used for the pattern in your My Fills.



The following file formats may be saved: Windows or OS2 Bitmap (.bmp), JPEG Low Quality (.jpg), JPEG High Quality (.jpg), Tagged Image File Format uncompressed (.tif) and Portable Network Graphics (.png).


## Delete

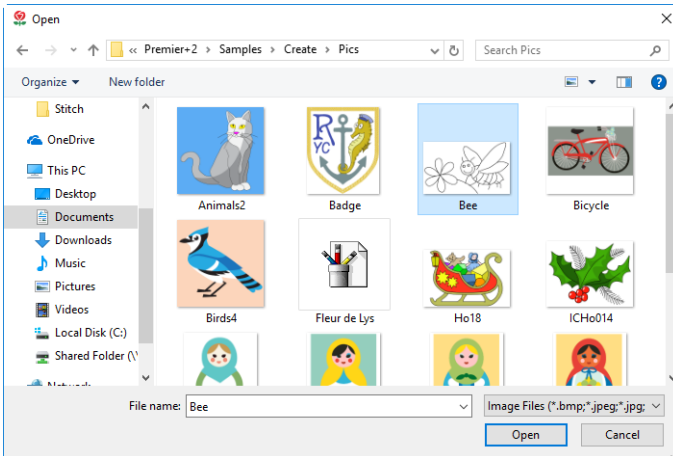
To remove an unwanted My Fill pattern, select the desired pattern then click Delete. A message will appear to ask for confirmation.

Click OK to remove the pattern.

*When a My Fill pattern is deleted, any designs that used that pattern will use standard Pattern 3 until a new pattern is chosen.*

## Import

Use Import to create a new My Fill based on a picture or a previously exported My Fill. After importing a picture, that fill will be available in the My Patterns  category of the Fill Area and Line Properties dialog. Click the Import button and an open dialog box will appear where you can choose the picture to import.



The height and width of the picture must each be from 120 to 700 pixels.










The following file formats may be loaded: Windows or OS2 Bitmap (.bmp), JPEG-JFIF Compliant (.jpg, .jif, .jpeg), Portable Network Graphics (.png), Tagged Image File Format uncompressed (.tiff, .tif), Windows Meta File (.wmf), Windows Enhanced Meta File (.emf) and Windows Icon (.ico).

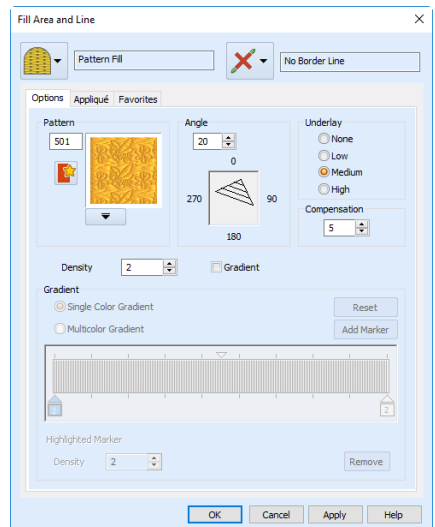
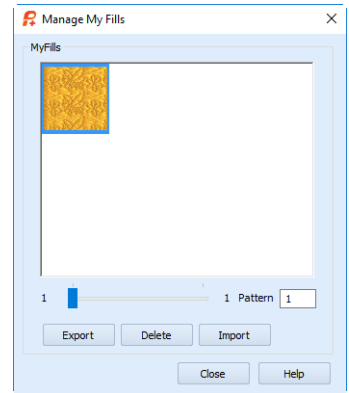
Click the desired picture, then click Open.






*The picture is automatically converted to black and white to determine the best positions for stitch points. Therefore, you are likely to find the best results from simple pictures drawn in black and white.*

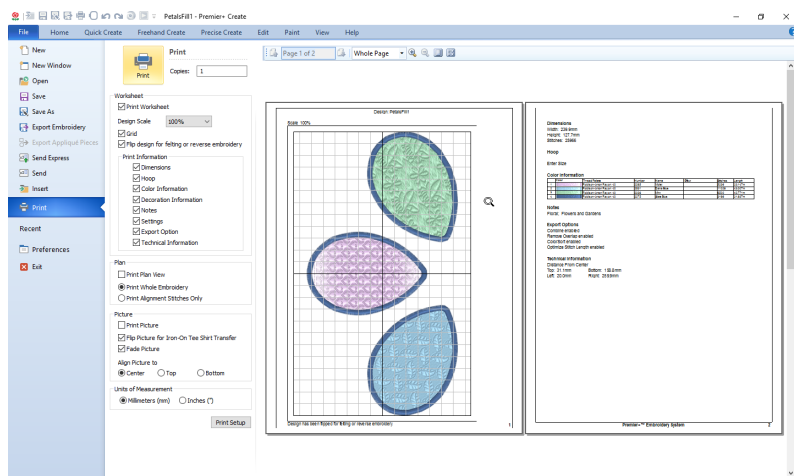
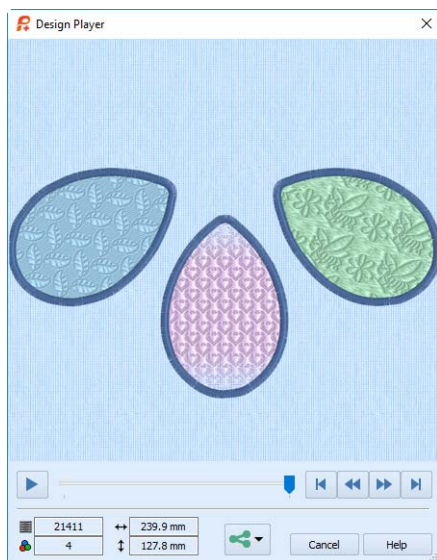
A My Fill pattern is repeated every 0.1mm for each pixel in the source picture. For example, if your picture is 300 x 200 pixels, it will be repeated every 30mm horizontally and 20mm vertically if the fill angle is set to 0.


## Use a Bee for a My Fill Pattern

- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicFill'.  
*Alternatively, use the petals design that you created in "Create a Petal Design with the ExpressDesign Wizard" on page 87, and added a leaf pattern and single gradient fill to in "Change a Fill Area to a Leaf Pattern" on page 287 and "Create a Single Color Gradient Fill in a Petal" on page 291.*
- 2 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 3 Click the View tab and ensure that Grid size is set to 5mm
- 4 In the color worksheet in the Design Panel, click the check box for the fourth color (slate blue) to hide the satin borders using that thread color. This will make it easier to select the fill areas.
- 5 Click the Edit tab.
- 6 Click Manage My Fills , and the Manage My Fills dialog box will appear.
- 7 Click Import and the open a file dialog box will appear.
- 8 Browse to the folder Documents\Premier+2\Samples\Create\Pics.  
*Simple black and white pictures are recommended. The height and width of the picture must be between 120 and 700 pixels.*
- 9 Click 'Bee.bmp', then click Open. The bee fill will be created and a preview sample will be shown in the Manage My Fills dialog box.
- 10 Click Close.
- 11 Select the fill area for the petal on the right, then right-click to see the Fill Area and Line dialog box. The Options tab is displayed.
- 12 In the Pattern section, click My Patterns . The the first fill in the My Patterns 1 category (the bee) is displayed.  
*You could also browse to view all patterns in this category from the drop-down list. Note that the bee design has automatically been given pattern number 501. You could enter this number to go directly to the bee pattern.*
- 13 Set the Angle to 20, then click OK.  
*Alternatively, you could use the handle on the Origin marker  to change the fill angle.*
- 14 Click Design Player . This enables you to preview the way that the design will be stitched out, with no markers.
- 15 Use the Play button  at the bottom left to start playing through the stitches in the embroidery.







- 16 Use the controls to play forwards or backwards through the embroidery at different speeds, jump to the start or end of the stitches, and stop at any time.  
*Use the Design Player  or Life View  when you wish to preview a design with no objects selected.*
- 17 Click Cancel.
- 18 Click Display all Objects  to show the blue petal borders.
- 19 Click Save  and browse to the folder Documents\Premier+2\My Designs.
- 20 Change the File name to 'PetalsFill1' and click Save to save your design file.
- 21 Click Export Embroidery  and ensure that .vp4 is set as the file format. Click OK.  
*The preferred file format for saving embroideries is .vp4, as this will preserve background and appliqué information, thread color information and notes.*
- 22 In the Save As dialog, browse to the folder Documents\Premier+2\My Designs and click Export. The embroidery is saved as PetalsFill1\_Exported.  
*There is no need to change the file name, as it is taken automatically from the design file name.*
- 23 Click File, Print.
- 24 Deselect (uncheck) Print Plan View and Print Picture.



- 27 Click Print  to print the embroidery worksheet.  
*The embroidery worksheet will be printed at full size.*




## Satin Area

Create Satin Areas with the Satin Area functions: QuickStitch™ Satin , QuickStitch™ Multiple Satin , Freehand Satin Area  and Precise Satin Area .

Adjust the properties of your satin area with Satin Area Options.

*Use the Favorites tab to make the chosen settings into Favorites that may be applied to other areas, or into the current settings, to use as default for new areas of this type.*

## QuickStitch™ Satin

Use QuickStitch™ Satin  to fill an area with satin stitches automatically, by clicking in a color area of the picture. If required, use Color Tolerance to select a larger area according to the similarity of adjacent colors.

Set stitch options before creating, or after satin areas have been created, right-click an area and use Fill Area and Line properties to change density, pattern and underlay, or change to another stitch type.



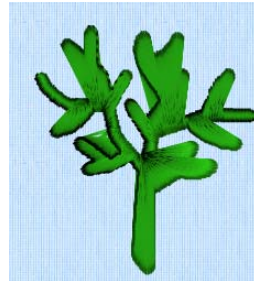
You can change all visible or selected satin areas with Global Properties, or by selecting the objects to change and changing one of them in Fill Area and Line properties. Stitch angle lines and start and end points can be adjusted on satin areas individually.

*QuickStitch™ Satin works best with relatively simple areas of the picture that do not have any complex branches. For example, if the area has long branches or branches that double-back on each other, you may not get the best result.*

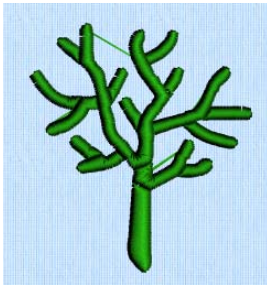
For branching or other complex areas, use QuickStitch™ Multiple Satin. Alternatively, edit the picture to make separate areas of any extra branches.



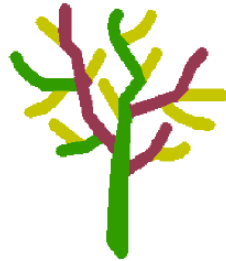
A tree from the Paint MiniPics with many branches



Left as one color, a single QuickStitch™ Satin area is created




Use QuickStitch™ Multiple Satin areas






Or split up the branches by using different colors


## Shortcuts

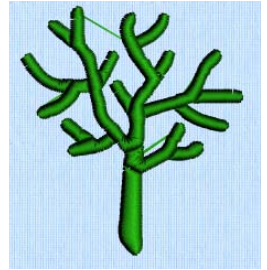
- Quick Create Tab, Satin Area: 
- Keys: Alt, Q, K

## Create a QuickStitch™ Satin Area


- 1 Set stitch options, then in the Quick Create tab click the QuickStitch™ Satin icon .
- 2 Click in the color area you wish to fill with stitches.
- 3 If Color Tolerance is enabled then the Color Tolerance dialog box will appear. Adjust the Color Tolerance as required. The area selected by the Color Tolerance value will be previewed. Click OK to confirm.
- 4 Satin stitches will appear in the area.
- 5 Repeat to place as many satin areas as desired.
- 6 Right-click to deselect, or simply select another Create tool.
- 7 Right-click the Satin Area. The Fill Area and Line properties dialog opens.
- 8 Select each satin area in turn, right-click to change the satin properties of an area and click OK. See "Satin Area Options" on page 348.
- 9 Alternatively, to change the properties of a selection of satin areas at one time, in the FilmStrip, hold the Ctrl key and click each of the satin areas to be changed. Then right-click one of the selected areas and select Properties. The Fill Area and Line dialog box will appear. All settings in the Fill Area and Line dialog box will be applied to your selected satin areas when you click OK.
- 10 Also in the work area, if desired, move the green start  or red end  and adjust angle lines for satin areas.

## QuickStitch™ Multiple Satin


Use QuickStitch™ Multiple Satin  to fill a branching or other complex area with satin stitches automatically, by clicking in a color area of the picture. If required, use Color Tolerance to select a larger area according to the similarity of adjacent colors.




### Shortcuts

- Quick Create Tab, Satin Area: 
- Keys: Alt, Q, M

### Create a QuickStitch™ Multiple Satin Area

- 1 Set stitch options, then in the Quick Create tab click the QuickStitch™ Multiple Satin  icon.
- 2 Click in the color area you wish to fill with stitches.
- 3 If Color Tolerance is enabled then the Color Tolerance dialog box will appear. Adjust the Color Tolerance as required. The area selected by the Color Tolerance value will be previewed. Click OK to confirm.
- 4 Satin stitches will appear in the area.
- 5 Repeat to place as many satin areas as desired.
- 6 Right-click to deselect, or simply select another tool.

## Freehand Satin Area

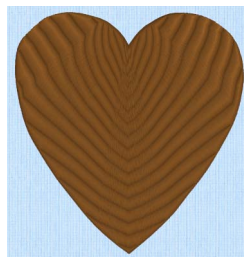
Use Freehand Satin Area  to draw outlines to define the edge of an area filled with satin stitch. Satin areas are best suited to shapes without branches. If there are branches that double-back on the main part of a satin area, the satin area may not give the desired result.

After satin areas have been created, right-click an area and use Fill Area and Line properties to change density, pattern and underlay, or change to another stitch type.

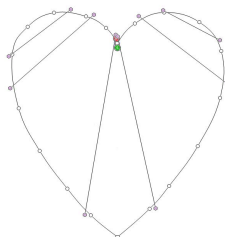
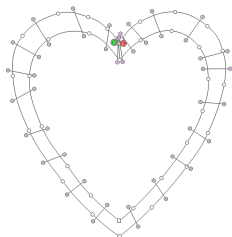
You can change all visible or selected satin areas with Global Properties, or by selecting the objects to change and changing one of them in Fill Area and Line properties. Stitch angle lines and start and end points can be adjusted on satin areas individually.



Satin Area created as a strip around the picture shape, so stitches are short enough to leave as plain satin




Large Satin Area covering the whole picture shape, with a pattern to break up long stitches




If the edge of the area does not match the background picture as closely as desired, you can move, delete and insert points on the work area.

### Shortcuts

- Freehand Create Tab, Satin Area: 
- Keys: Alt, R, T



## Create a Freehand Satin Area

- 1 Set stitch options, then in the Freehand Create tab click the Freehand Satin Area  icon.
- 2 Draw a line around the edge of the desired area.
- 3 When the area is complete, lift the pen from the tablet (or release the mouse button). The area is closed with a straight line back to the start point, and filled with satin stitches.


*It is recommended to draw back to the start point. However, you can also adjust the shape of the area if it is not exactly as planned.*

- 4 Continue to draw as many satin areas as desired.
- 5 Right-click to deselect the function, or simply select another Create tool.

## Change Satin Area Properties

- 1 Select each satin area in turn, right-click to change the satin properties of an area and click OK. See *"Satin Area Options"* on page 348.
- 2 If desired, move the start  or end  and adjust angle lines for satin areas.
- 3 To change the properties of a number of satin areas at one time, in the FilmStrip, hold the Ctrl key and click each of the satin areas to be changed. Then right-click one of the selected areas and select Properties. The Fill Area and Line dialog box will appear. All settings in the Fill Area and Line dialog box will be applied to your selected satin areas when you click OK.

## Precise Satin Area

Use Precise Satin Area  to place points, to define the edge of an area filled with satin stitch. Satin areas are best suited to shapes without branches. If there are branches that double-back on the main part of a satin area, the satin area may not give the desired result.

After satin areas have been created, right-click an area and use Fill Area and Line properties to change density, pattern and underlay, or change to another stitch type.

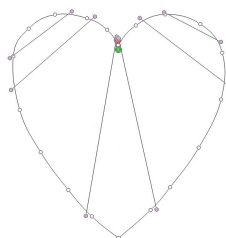
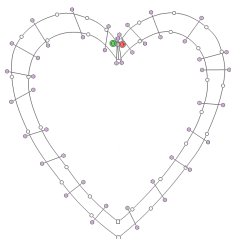
You can change all visible or selected satin areas with Global Properties, or by selecting the objects to change and changing one of them in Fill Area and Line properties. Stitch angle lines and start and end points can be adjusted on satin areas individually.



Satin Area created as a strip around the picture shape, so stitches are short enough to leave as plain satin




Large Satin Area covering the whole picture shape, with a pattern to break up long stitches




If the edge of the area does not match the background picture as closely as desired, you can move, delete and insert points on the work area.

### Shortcuts



- Precise Create Tab, Satin Area: 
- Keys: Alt, P, T

## Create a Precise Satin Area

- 1 Set stitch options, then in the Precise Create tab click the Precise Satin Area icon . The first point appears automatically as a small yellow circle, which is in the same place as the last point of the previous object.
- 2 Click to place a second point close to the first one.

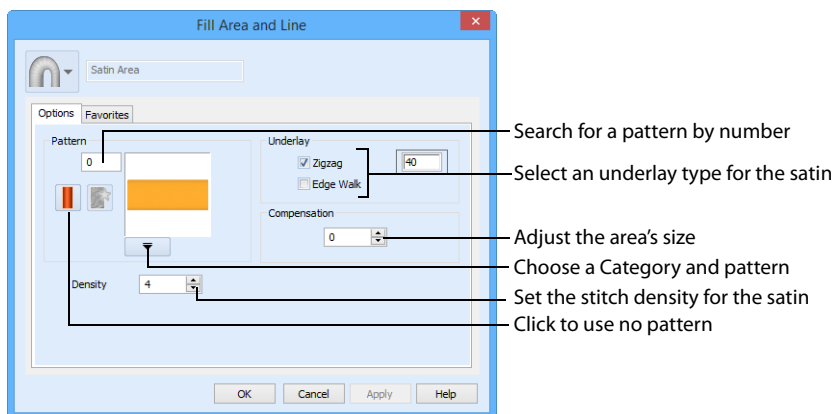
- 3 Continue placing points around the desired area, such as a chosen section of the background picture. If you are following the picture, place a point every time the direction of the picture outline changes. *Curved lines are created automatically. For corners and straight edges, hold down the Ctrl key. To delete the last point placed, use the Delete key.*
- 4 Right-click to complete the area. Stitches will appear in the current thread color showing the satin area.
- 5 Repeat to place as many satin areas as desired.

## Change Satin Area Properties


- 1 Select each satin area in turn, right-click to change the satin properties of an area and click OK. See *"Satin Area Options"* on page 348.
- 2 If desired, move the start  or end  and adjust angle lines for satin areas.
- 3 To change the properties of a number of satin areas at one time, in the FilmStrip, hold the Ctrl key and click each of the satin areas to be changed. Then right-click one of the selected areas and select Properties. The Fill Area and Line dialog box will appear. All settings in the Fill Area and Line dialog box will be applied to your selected satin areas when you click OK.

# Satin Area Options

Use the Satin Area Options tab to set density, compensation, pattern and underlay for satin areas.



## Pattern

Choose from more than 250 patterns for satin (for areas wider than around 8-10mm). Click a pattern sample or enter the Pattern number to select a pattern. Set the Pattern number to 0 for standard satin with no pattern, or click No Pattern . The initial setting is 0.

*Add new patterns using Manage My Fills.*

View the patterns in the pattern gallery. See "Fill and Satin Patterns" on page 421.

## Underlay

Set the Underlay option that will be used for satin areas. Zigzag creates zigzag lines of running stitch as underlay. Use zigzag underlay for wide areas of satin. Edge walk places lines of running stitch just inside the edges of the satin areas. Use edge walk when the satin areas have both wide and narrow sections. For very wide areas of satin, select both underlay types.

Zigzag is initially selected.

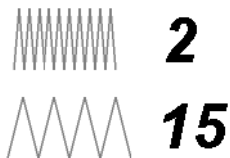
## Compensation

Compensation is used to make an area 'bolder' by increasing its relative size. Set Compensation from 0 to 30. The higher the number, the bolder the area appears.

## Density











Set Density from 2 to 80. The lower the number, the closer together the stitches and the more stitches are produced.

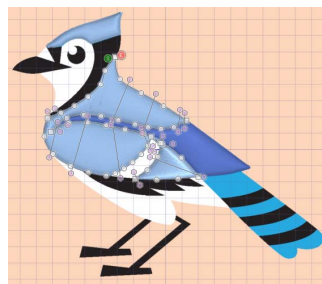
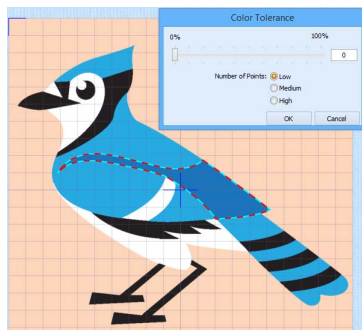
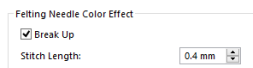
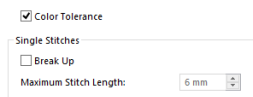
The initial setting is 4.





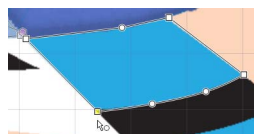
# Using Satin Areas: Blue Jay Embroidery

- 1 In the Quick Access toolbar, click Change Hoop  and in the Hoop Selection dialog box set the Hoop Group to Universal, and select 100mm x 100mm - Universal Square Hoop 1. Click OK.
- 2 Click the View tab, and ensure that Grid size is set to 5mm.
- 3 Click File, Preferences , and ensure that Color Tolerance is selected (checked).  
*Use Color Tolerance to see which areas will be created when using the QuickStitch™ features. As you become more comfortable with the software, you may wish to turn it off, depending on the quality and color of your image.*
- 4 Check to see that Tie Off Before and After Trims is selected.  
*Tie Off Before and After Trims inserts tie-offs between stitch areas, as appropriate.*
- 5 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load a Picture into the Paint Window, then click Next.
- 6 Click Load a Picture  and in the Picture Viewer browse to Documents\Premier+2\Samples\Create\Pics. Load the picture Birds4.png, click OK and in the Choose Picture page click Next.
- 7 In the Rotate and Crop Picture page click Select All to leave some background around the bird, then click Next.
- 8 Click Next in the Design Size page, and click Finish in the Reduce Colors page. The blue jay is displayed as your background picture.
- 9 Click the Quick Create tab to open the Design window.
- 10 In the FilmStrip, right-click the color at the top and choose Properties.
- 11 In the Color Selection dialog ensure that Robison-Anton Rayon 40 is selected as the thread range.
- 12 Enter 2614 (Pro Lusty Blue) as the thread number and click OK.
- 13 Click QuickStitch™ Satin .
- 14 Click on the medium blue on the lower back of the jay.  
The Color Tolerance dialog appears, with the lower back area surrounded by a red and cyan line.
- 15 Click OK to confirm.  
The lower back of the blue jay is now covered by a medium blue satin area.
- 16 In the Command section of the Quick Create tab, click the Color Change drop-down menu, and select Color Change .
- 17 In the Color Selection dialog, select 2522 (Bridgeport Blue) and click OK.
- 18 Ensure that QuickStitch™ Satin  is still selected.
- 19 Click the light blue on the top of the jay's head, then click OK in Color Tolerance. The top of the head is filled with a pale blue satin area.
- 20 Click on the light blue on the upper back of the jay, then click OK in Color Tolerance. The rest of the back and the upper and lower wing is filled with a pale blue satin area.  
*If it is not filled already, fill the pale blue in the lower part of the wing with a QuickStitch™ Satin area.*
- 21 Click Zoom To Rectangle , and drag a rectangle to zoom in on the jay's tail.
- 22 Click the Precise Create tab, and then click Satin Area .
- 23 Hold the Ctrl key and click to place the first point at the top left corner of the top pale blue tail section.



**24** Release the Ctrl key and place a point in the middle of the top of this tail section. The point is round. *Round points are used for curved edges to the area.*

**25** Hold the Ctrl key and place a point at the top right corner of this section. This point is square. *Square points are used for straight sections of the edge of the area, or for corners.*



**26** Still holding the Ctrl key, click to place a point at the bottom right corner of the tail section.

**27** Release the Ctrl key and place two round points for the curve at the bottom of the tail section.


**28** Hold the Ctrl key and place a square point for the bottom left corner of the tail section. This completes the tail section.

**29** Right-click to finish the satin area.

**30** Hold the Ctrl key and click to place a first square point at the top left corner of the second pale blue tail section.

**31** Release the Ctrl key and place two round points in the middle of the top of this tail section.

**32** Hold the Ctrl key and place a square point at the top right corner of this section, and then another square point for the bottom right corner.

*If you misplace a point, move the pointer over the top of that point and when the pointer changes to the move pointer , drag it to the correct position. Then continue to place points.*


**33** Release the Ctrl key and place two round points for the curve at the bottom of the tail section, then hold the Ctrl key to place a square point for the bottom left corner, and to finish the section.

**34** Right-click to complete the area.



**35** Place round and square points to create the third pale blue tail section, then right-click to finish.

**36** Create the final pale blue tail section by placing points. Use a square point for the notch on the bottom edge.



**37** Right-click again to close the Precise Satin Area tool.

**38** Click the View tab, then click 2D View  to see the picture behind the stitching in 2D, then adjust the points on the final area as desired. You can also drag the pink hexagonal control points on the stitch angle lines to change the angle of the stitching.


*Hold the Ctrl key when dragging square points, so that they remain square.*

*If desired, click the Home tab to use Delete Points  to remove points, and Insert Points  to add points.*


**39** Click the other tail sections in turn to select them, and make any adjustments needed.

Click 3D View  to return to view the stitches in 3D, and then click Zoom to Fit  to view the whole design.





**40** Click the Select Last Visible icon  on the FilmStrip, to ensure that you are at the end of the design.

**41** Click the Precise Create tab.

**42** In the Command section of the Precise Create tab, click the Color Change  icon.

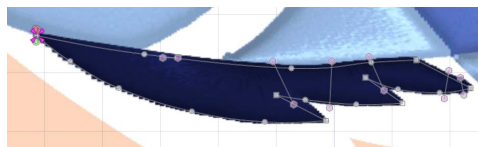
**43** In the Color Selection dialog, select 2440 (Blue Ink) and click OK.


**44** Click Zoom To Rectangle  to zoom in on the bottom of the wing.

**45** Click Satin Area  and place points for the satin area. Use square points for sharp angles, and round points for curves.

**46** Right-click to complete the area.

**47** Note that between the feathers at the bottom of the wing, parts of the stitching overlap the line that you drew.



















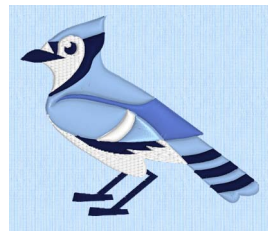
Click Undo  to remove the area that you placed.

**48** Click the Quick Create tab, and then click QuickStitch™ Multiple Satin .

**49** Click the bottom of the wing, then click OK in Color Tolerance. The new satin area is created in several sections. It follows the outline of the area with no overlap.

Use QuickStitch™ Multiple Satin when creating complex satin areas. Alternatively, create several sections using one of the Freehand tools.

- 50 Click Zoom to Fit  to view the whole design.
- 51 Click the beak, then click OK in Color Tolerance. The beak is created separately from the flash above.
- 52 Click Zoom To Rectangle  to zoom in around the eye.
- 53 Click the Freehand Create tab.
- 54 Click Satin Area .
- 55 Starting at the top, draw a line around the edge of the blue part of the eye, finishing near where you started. Then lift the pen from the tablet (or release the mouse button).  
The area is closed with a straight line back to the start point, and filled with satin stitches.
- 56 Right-click to close the tool.
- 57 Adjust, add and delete points and angle lines as desired.
- 58 Click Zoom to Fit  to view the whole design.
- 59 Click the Quick Create tab, and then click the QuickStitch™ Satin  button.
- 60 Fill the remaining area on the head, and the dark blue tail sections with satin, then right-click to close the tool.
- 61 In the Fill drop-down menu, select Pattern Fill.
- 62 Ensure that Line and Appliqué are not selected.  
*This will create an area of pattern fill with no border line.*
- 63 Click Zoom To Rectangle  to zoom in around the legs.
- 64 Click the Precise Create tab.
- 65 In the Fill Area and Line area, click Create Area or Line .
- 66 Hold the Ctrl key and click to place straight lines for each of the legs. Right-click to complete each fill area, then right-click to close the tool.  
*The QuickStitch™, Freehand and Precise tools work exactly the same, regardless of whether you are creating a line, fill or satin area.*
- 67 Click Zoom to Fit  to view the whole design.
- 68 Click Color Change  and in the Color Selection dialog, select 2343 (Eggshell) and click OK.
- 69 Click the Quick Create tab, and then click QuickStitch™ Satin .
- 70 Click to fill the white middle section of the wing.
- 71 Click the QuickStitch™  button, and click to fill the white area above the legs, and the small white area above the beak.
- 72 Click QuickStitch™ + AutoHole .
- 73 Click the white area of the face that includes the eye. The area is filled with the eye still visible.  
*You can create holes in fills, but not in satin areas.*
- 74 Right-click to close the tool.
- 75 Click Life View  or Design Player  to view how the blue jay embroidery will be stitched out.
- 76 Click Save , browse to Documents\Premier+2\My Designs and save the embroidery design as Blue Jay.edo.
- 77 Click Export  and export the embroidery as Blue Jay\_Exported.



Create columns with the Column functions. Choose from Satin Column , Feathered Satin , Richelieu Bars  or Tapered Motifs .

You can select your column type in the Create tabs before creating the fill.

*Alternatively, change the column type afterwards using Fill Area and Line properties.*

*Use the Favorites tab to make the chosen settings into Favorites that may be applied to other areas, or into the current settings, to use as default for new areas of this type.*

## Column

Select the column type from the Create tabs:



Satin Column



Richelieu Bars



Feathered Satin







Tapered Motifs

Satin stitch will 'pull up' in the direction that the stitches are sewn, so it is advisable to lay down underlay stitches for stabilization.

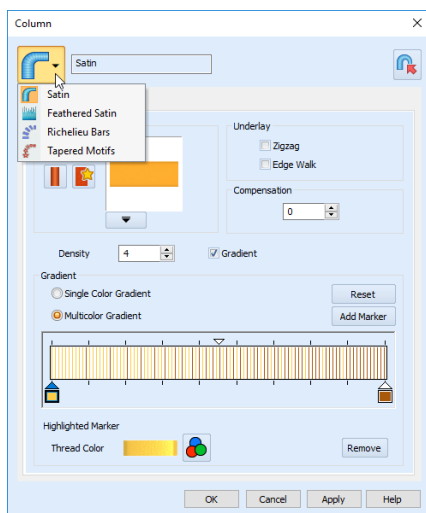
*You can set automatic underlay in the Column properties dialog.*

## Column

Use the Column functions to place one of the following column types: Satin Column , Feathered Satin , Richelieu Bars  or Tapered Motifs .

*The first and last pairs of points in a column are always square (control points).*

*Right-click the created column to change its settings, or convert it to any other column type.*



## Create a Column

- 1 Click the Freehand Create or Precise Create tab.
- 2 Set stitch options, then click the desired Column function and click to place the first point of your column (Point 1).  
*A movement stitch will be placed between the last object in the design and this point.*

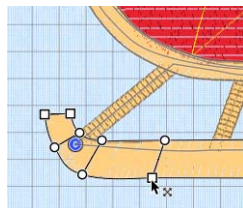
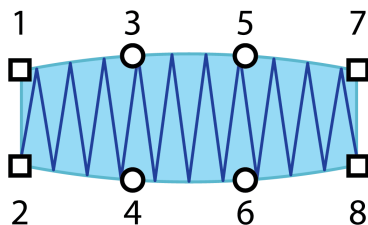
- 3 Click to place Point 2 to start the other side of the column. A line will be placed to indicate the width of the column.  
*The first and last pairs of points in a column are always square (control points).*

- 4 Click to place Points 3 and 4 for the next section of the column. The first column section appears.

- 5 Repeat to place points indicating the width and position of the column. The outline shape of the column is drawn.


- 6 Right-click to place the column, or simply select another Create tool. The stitches for the column will appear in the work area.

- 7 Right-click a second time to deselect the function, or simply select another Create tool.  
*If desired, click the column to select it, and then right-click it to open the Column dialog. Here you can change the settings, or select a different column type from the drop-down list.*



## Draw a column with Bezier Curves

- 1 Click the Precise Create tab.  
*Bezier Mode is only available in the Precise Create tab.*

- 2 Select Bezier Mode .

- 3 Set stitch options, then click the desired Column function and click and drag to place the first point of your column (Point 1).  
*A movement stitch will be placed between the last object in the design and this point.*

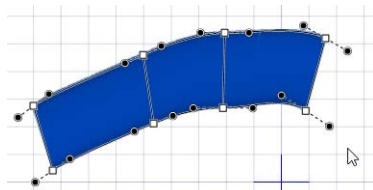
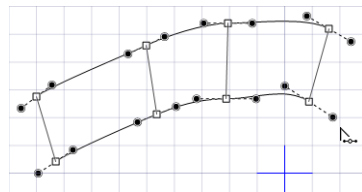
- 4 Click and drag to place Point 2 to start the other side of the column. A line will be placed to indicate the width of the column.

- 5 Click and drag to place Points 3 and 4 for the next section of the column. The first column section appears.

- 6 Repeat to place points indicating the width and position of the column. The outline shape of the column is drawn.


- 7 Right-click to place the column.

- 8 Right-click a second time to deselect the function.  
*If desired, click the column to select it, and then right-click it to open the Column dialog. Here you can change the settings, or select a different column type from the drop-down list.*



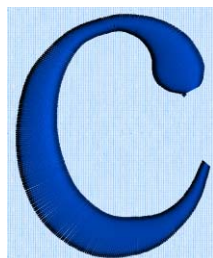
*The Bezier lines in a Column cannot be changed to a Point Line. See "Convert to Point Line" on page 399.*

# Satin Column


Use Satin Column  to place a column of satin in the work area.

Place alternate points to define a column of continuous satin (zigzag stitches that fill the column from one side to the other).

Click the Options button, or right-click a Satin Column to set density, compensation, pattern (for wide columns) and underlay.

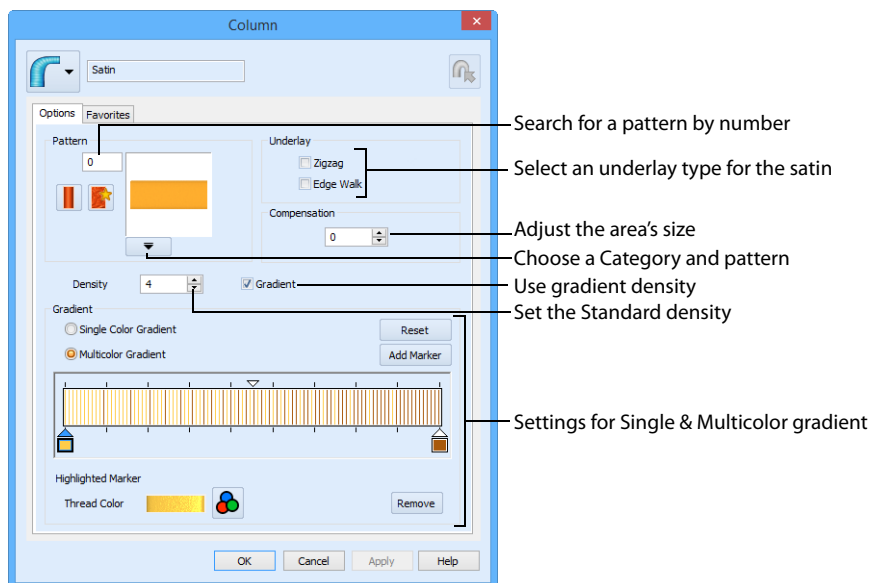


## Shortcuts

- Freehand Create, Column; Precise Create, Column: 
- Keys: Alt, R, S; Alt, P, S

## Satin Column Options

Use the Satin Column Options to set density, compensation, pattern (for columns wider than around 8-10mm) and underlay.





## Column Type Selection

If desired, select a different column type from the drop-down list. Select from Feathered Satin, Richelieu Bars and Tapered Motifs.


*If no column is currently selected, this option will be grayed out.*

## Convert to Satin Area

Click Convert to Satin Area  to change the column to a Satin Area. The Fill Area and Line properties dialog for Satin Area is displayed. See "Satin Area Options" on page 348.

Click Undo  to change back to a column.

## Pattern

Choose from more than 250 patterns for satin (for areas wider than around 8-10mm). Click a pattern sample or enter the Pattern number to select a pattern. Set the Pattern number to 0 for standard satin with no pattern, or click No Pattern . The initial setting is 0.

View the patterns in the pattern gallery. See "Fill and Satin Patterns" on page 421.

*Patterns can only be used for columns wider than about 8-10 mm.*

## Underlay

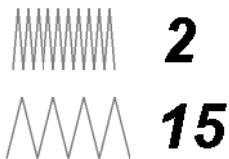
Set the Underlay option that will be used for the satin column. Zigzag creates zigzag lines of running stitch as underlay. Use zigzag underlay for wide areas of satin. Edge walk places lines of running stitch just inside the edges of the satin column. Use edge walk when the satin columns have both wide and narrow sections. For very wide satin columns, select both underlay types.

## Compensation

Compensation is used to make an area 'bolder' by increasing its relative size. Set Compensation from 0 to 30. The higher the number, the bolder the area appears. The initial setting is 0.

## Density

Set Density from 2 to 80. The lower the number, the closer together the stitches and the more stitches are produced. The initial setting is 4.

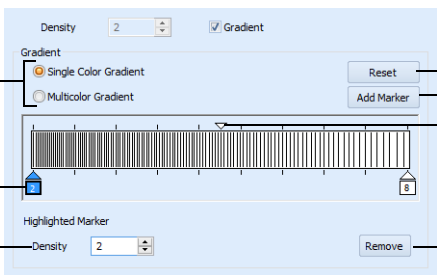


## Gradient

Use the Gradient settings to see and change the density settings and the color Gradient of the satin.

The color on a satin column can change over a range, or have multiple color changes across the area. This is ideal for gradual color changes such as subtle shadow effects. Gradient is not initially selected.

## Single Color Gradient



Select single or multicolor gradient

Highlighted value marker

Set the stitch density for the chosen value marker

Return to the original settings

Add a marker

Adjustment marker

Delete the selected marker

Density 2

Gradient

Single Color Gradient

Multicolor Gradient

Reset

Add Marker

Highlighted Marker

Density 2

Remove

Use Single Color Gradient to change the density across a satin column with only one color. Set a value for the start and end density markers for the fill, and the density gradually changes between the two values. Add multiple markers for a more complex pattern.

*The markers can each take a value of 2 to 80, which means you can reverse the gradient simply by swapping the start and end values.*

Use the adjustment marker above the gradient bar to change the gradient across the area.

Use Reset to cancel your changes and use the initial settings.

Click Add Marker to add a value marker below the gradient bar, and an adjustment marker above the gradient bar. The initial value for the marker will be between the existing markers. Edit the density value, and move the value and adjustment markers as desired. This means that you can have any combination of density values across the area. A higher value means the fill is less dense.

Density is used to change the density of the stitching. Set Density from 2 to 80. The higher the number, the less dense the satin. The initial start marker setting is 4, and end marker setting is 4.

Click Remove to delete the highlighted marker.

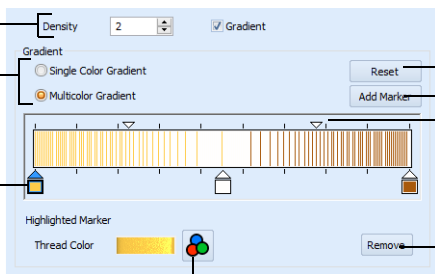
## Multicolor Gradient

Set the stitch density for the whole fill

Select single or multicolor gradient

Selected color marker

Choose a thread for the highlighted marker



Return to the original settings

Add a marker

Adjustment markers


Delete the selected marker

Use Multicolor Gradient to change the color across a satin column with only one density. Set colors for the start and end markers for the area, and the color gradually changes between the two values.

Use the marker above the gradient bar to change the color gradient across the area.

Use Reset to cancel your changes and use the initial settings.

Click Add Marker to add a color marker below the gradient bar, and an adjustment marker above the gradient bar. The initial color for the marker will be the same as the currently highlighted marker. Change the color and move the color and adjustment markers as desired. This means that you can have any combination of colors across the area.


Use Thread Color  to change the color of the currently highlighted marker. The Color Selection box will be displayed.

See "Color Selection" on page 196.

Click Remove to delete the highlighted marker.

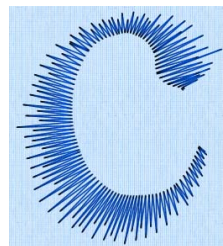


# Feathered Satin

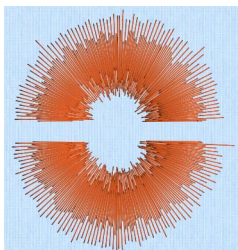
Use Feathered Satin  to create columns of satin that are feathered on one, or both sides.

Place alternate points to define a column of feathered satin (zigzag stitches where the start and end points of the stitches are random rather than all parallel).

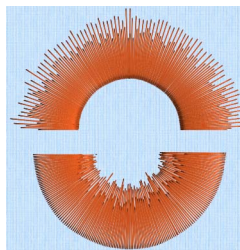
Click the Options button, or right-click a Feathered Satin column, to select whether one or both sides of the column will be feathered, and set the stitch length and density.



*Use feathered satin for realistic feathers or fur in animal designs, or shading in flowers. Typical shapes are arches, semicircles, circles and ovals, and squares, rectangles and triangles are also possible.*




Feather Both Sides





Feather One Side

## Shortcuts

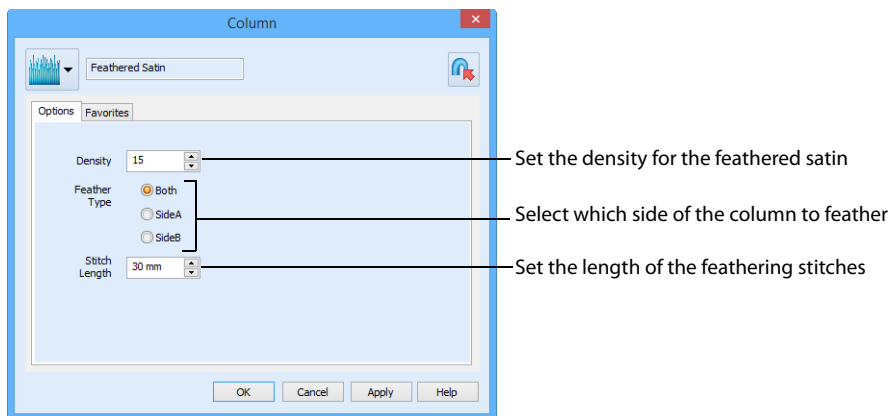
- Freehand Create, Column; Precise Create, Column: 
- Keys: Alt, R, D; Alt, P, D

## Create Feathered Satin

- 1 Click the Freehand Create or Precise Create tab.
- 2 Set stitch options, then click the Feathered Satin icon .  
*To use Bezier lines instead of placing points, click to enable Bezier Mode , then draw your Feathered Satin column using Bezier lines. See "Draw a column with Bezier Curves" on page 353.*
- 3 Click to place the first point of your feathered satin column.  
*A movement stitch will be placed between the last object in the design and this point.*
- 4 Click to place Point 2 to start the other side of the column. A line will be placed to indicate the width of the column.
- 5 Click to place Point 2 to start the other side of the section.
- 6 Click to place Points 3 and 4 for the first part of the feather satin column. A line will appear, showing the stitch angle between these points.
- 7 Click to place further points for the next parts of the feather satin column.
- 8 Repeat to place as great a length of feathered satin column as desired.
- 9 Right-click to place the column, or simply select another Create tool.
- 10 Right-click again to deselect the function, or simply select another Create tool.
- 11 If desired, right-click the column and change the properties for the column. Alternatively, select several objects in the FilmStrip and right-click one to change the settings for all, or use Global Properties to change the properties of all visible feathered satin or satin feathered on one side.

## Feathered Satin Options

Use the Feathered Satin Options to set density, Feather Type, and Stitch Length.




### Column Type Selection

If desired, select a different column type from the drop-down list. Select from Satin Column, Richelieu Bars and Tapered Motifs.

*If no column is currently selected, this option will be grayed out.*

### Convert to Satin Area

Click Convert to Satin Area  to change the column to a Satin Area. The Fill Area and Line properties dialog for Satin Area is displayed. See “Satin Area Options” on page 348.

Click Undo  to change back to a column.

### Density

Set Density from 2 to 40. The lower the number, the closer together the stitches and the more stitches are produced. The initial setting is 15.



### Feather Type

Select which side of the column to feather. The available options are Both, SideA or Side B, according to the side where the first (A) or second (B) point was placed.

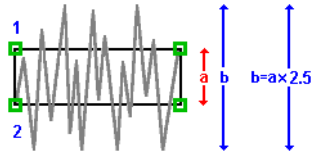
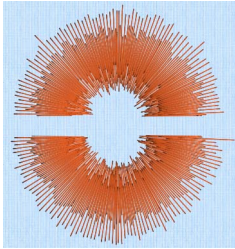


### Stitch Length

Set the Length of feathering stitches from 2 to 30mm in steps of 1mm. The initial setting is 30mm.

## Feather Both Sides

Create a satin column with both edges feathered.

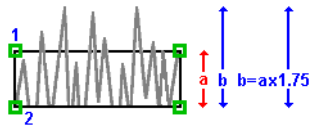
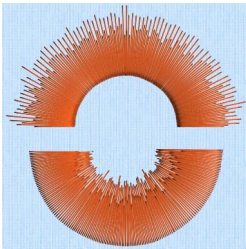


The start and end points of the stitches are random rather than all parallel. The final width of the section is 2-2.5 times larger than it is for standard satin, as shown.

The maximum stitch lengths of the feathered satin may be from 2 to 30mm and the satin density may be from 2 to 40.

## Feather One Side

Create a satin column with one edge feathered.




One edge is feathered, so the start and end points of the stitches on the feathered edge are random rather than all parallel. The final width of the column is 1.5 to 1.75 times larger than it would be for standard satin, as shown.

The maximum stitch lengths of the feathered satin may be from 2 to 30mm and the satin density may be from 2 to 40.


The side of the feathering is determined by the relative position of point 1. If desired, the feathered side may be altered in the properties dialog.

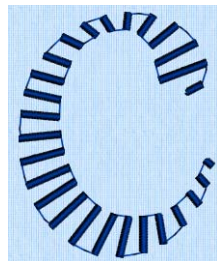
# Richelieu Bars

Use Richelieu Bars  to place bars in the work area. Richelieu bars are often used in lace designs.


Place alternate points to define a column of Richelieu bars (short sections of satin perpendicular to the direction of the column).

Click the Options button to set the width and density of the satin bars and either the number of bars or the gap between them.

To use Bezier lines instead of placing points, click to enable Bezier Mode , then draw your Richelieu Bars using Bezier lines. See “Draw a column with Bezier Curves” on page 353.

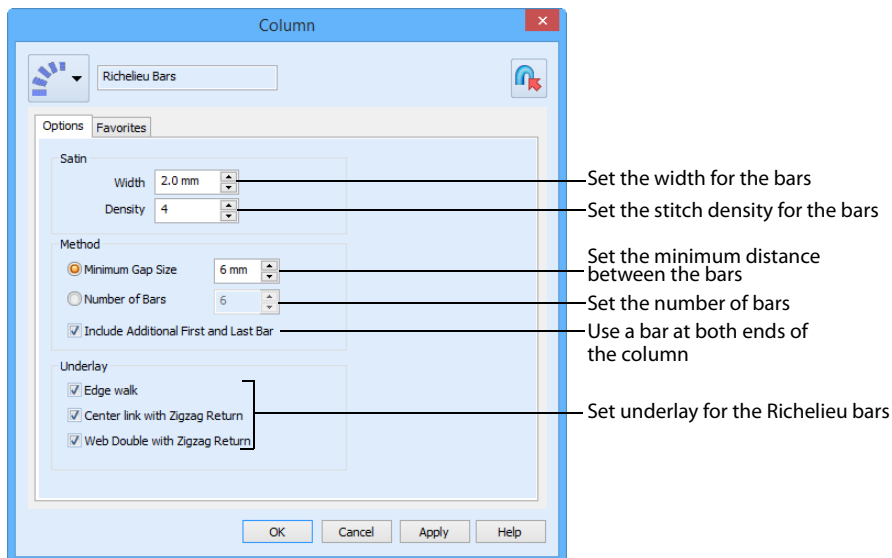


## Shortcuts

- Freehand Create, Column; Precise Create, Column: 
- Keys: Alt, R, B; Alt, P, B

## Richelieu Bars Options

Use Richelieu Bars Options to set the width and density of the satin bars, the gap between the bars, and the number of bars.





## Column Type Selection

If desired, select a different column type from the drop-down list. Select from Satin Column, Feathered Satin and Tapered Motifs.

If no column is currently selected, this option will be grayed out.

## Convert to Satin Area

Click Convert to Satin Area  to change the column to a Satin Area. The Fill Area and Line properties dialog for Satin Area is displayed. See “Satin Area Options” on page 348.

Click Undo  to change back to a column.

## Satin

Set the Width of the satin bars from 1mm to 6mm in steps of 0.1mm. The initial setting is 2mm.

Set the Density of the satin bars from 2 to 15. The initial Density is 4.

## Method

Select a method for setting the number of bars.

Select Minimum Gap Size to set the distance between the bars from 1mm to 50mm in steps of 1mm. The initial setting is 6mm.

Select Number of Bars to set the number of bars from 1 to 50. The initial number is 6.

Turn off Include Additional First and Last Bar if the edges of the Richelieu bar area are to be covered in satin. This option is initially selected.


## Underlay

Choose from Edge walk, Center link with zigzag return, and Web double with zigzag return. All three options are initially selected.

- Edge walk places lines of running stitch just inside the edges of the satin bars.
- Center link with zigzag return places a central line of running stitch, with a zigzag return line.
- Web double with zigzag return places a crosshatch pattern of stitching with a zigzag return line.

*Vary the combination of underlay, depending on the type of design. It is recommended to use all three types for free-standing lace.*


# Tapered Motifs

Use Tapered Motifs  to create columns of motifs. Tapered motifs are often used in lace designs.


Place alternate points to define a line of motifs that vary in size according to the width of the column.

Click the Options button, or right-click a Tapered Motifs column to set the desired motif, stitch length and either the number of motifs or the gap between them.



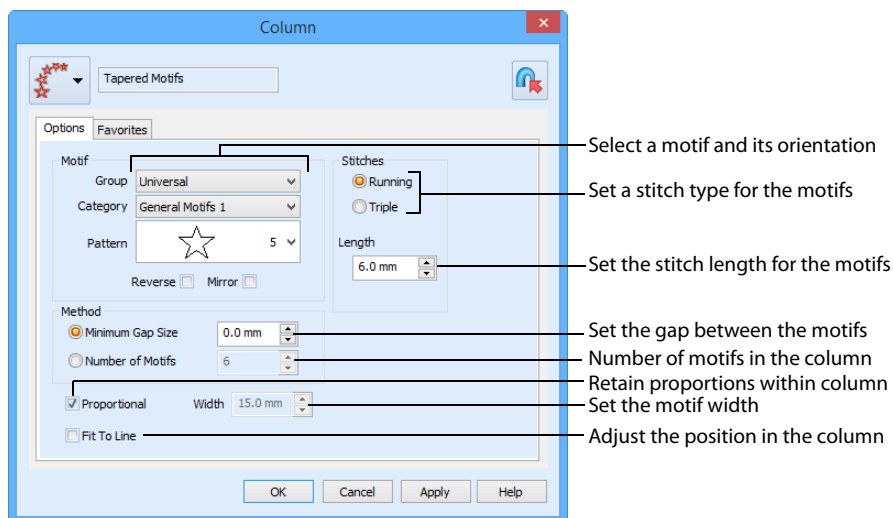
To use Bezier lines instead of placing points, click to enable Bezier Mode , then draw your Tapered Motifs using Bezier lines. See “Draw a column with Bezier Curves” on page 353.

## Shortcuts

- Freehand Create, Column; Precise Create, Column: 
- Keys: Alt, R, M; Alt, P, M

## Tapered Motifs Options

Use the Tapered Motifs Options to set the motif type, stitch type, and placement method.





## Column Type Selection

If desired, select a different column type from the drop-down list. Select from Satin Column, Feathered Satin and Tapered Motifs.

If no column is currently selected, this option will be grayed out.

## Convert to Satin Area

Click Convert to Satin Area  to change the column to a Satin Area. The Fill Area and Line properties dialog for Satin Area is displayed. See “Satin Area Options” on page 348.

Click Undo  to change back to a column.

## Motif

### Group

Click the drop-down arrow to select the desired group of motif patterns.

### Category

Click the drop-down arrow to select the desired category of motif patterns.

### Pattern

Click the drop-down arrow to select the desired motif visually. Motifs are also numbered for convenient reference.

### Reverse

Use this option to reverse the direction of the motif along the line. This is useful, for instance, if you have placed a Tapered Motifs column and wish to reverse the motif direction. Some motifs are symmetrical and will have no apparent change when they are reversed.

### Mirror

Use this option to mirror the motif across the line of motifs. Some motifs are symmetrical and will have no apparent change when they are mirrored.

## Stitches

Select Running or Triple stitch for stitching out the motifs. Set the Length of stitches from 1 to 20mm in steps of 0.1mm. Length is initially set to the recommended value for each motif.

## Method

### Minimum Gap Size

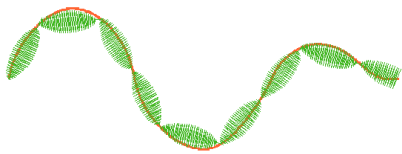
The Minimum Gap is the minimum amount of extra stitching that is placed between the motifs along the line. This is in addition to any spacing that is part of the selected motif.

### Number of Motifs

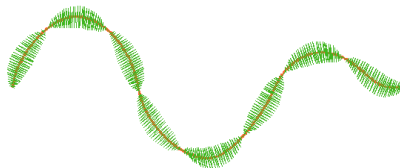
Set the number of Motifs from 2 to 50. The initial number is 6.

## Fit Motif To Line

Select this option to make the shape of the motifs follow the curves of the line.



When Fit To Line is off, the ends of each motif are placed on the line.



When Fit To Line is on, each motif is adjusted to fit along the line.

## Proportional







Use this option to keep the relative height and width of the motif in proportion when the column width is changed. This option is selected by default.

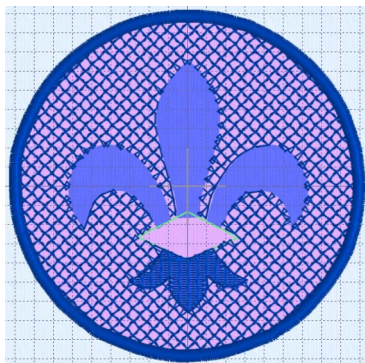
## Width

The Width is initially set according to the chosen motif. The maximum and minimum values for Width are individual to each motif.




# Creating Columns

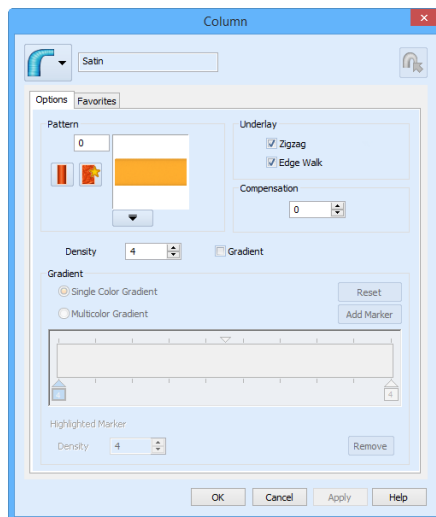
## Create the Band and Feathers for a Fleur de Lys







- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'Fleur de Lys Crosshatch and Base'.  
*Alternatively, use the design from "Creating and Changing Fills: Fleur de Lys Background and Base" on page 319.*
- 2 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 3 Click the View tab, and ensure that Grid size is set to 5mm.
- 4 Click the Precise Create tab.
- 5 Deselect the Fill and Appliqué buttons.
- 6 Click the Pattern Fill at the bottom of the FilmStrip.
- 7 In the Line drop-down list select Running Stitch .  
*Good digitizing minimizes the use of movement stitches, which slow down the embroidery machine even if they are trimmed automatically. We will use Running Stitch to travel to the next area of the design.*
- 8 Click Create Area or Line .

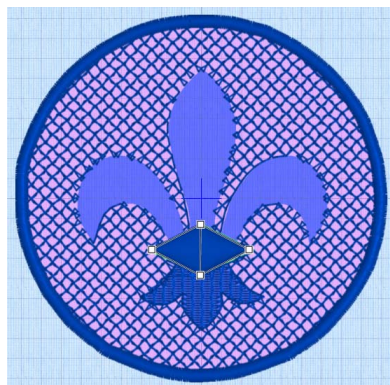






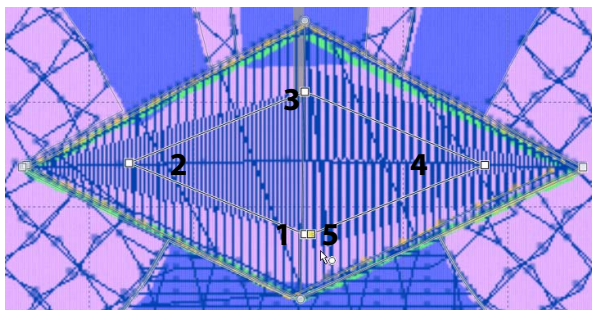
- 9 Note the position of the Create Cursor . This marks the end of the last object in the design.
- 10 Move the pointer towards the Create Cursor, until it changes to the diagonal pointer . *The diagonal pointer indicates that the next object will be created from the same point as the previous one, with no movement stitch.*
- 11 Hold down the Ctrl key and click to place a square point at the position of the Create Cursor.
- 12 With the Ctrl key held down, place a point in the right corner of the band around the fleur de lys.
- 13 Then going in a counter-clockwise direction, place four more square points at the corners of the band, finishing in the right corner. *The running stitch line around the band will provide an outline preventing the satin stitches from pulling in.*
- 14 Right-click to complete the line.
- 15 In the Options area of the Create tab, click the Column button and select Satin Column  in the drop-down menu. The Column properties dialog box opens at the Options tab for Satin Column.





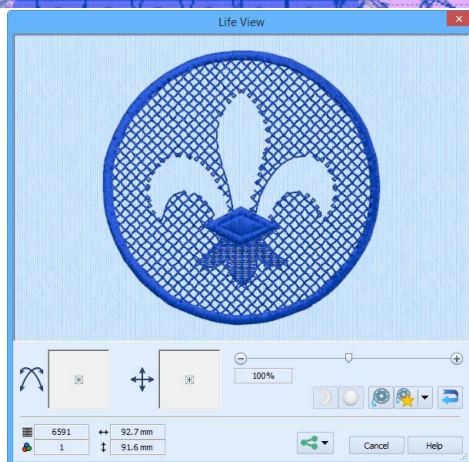
- 16 Set Density to 4, set Compensation to 0 and set Pattern to 0.
- 17 In Underlay select both Zigzag and Edge Walk.
- 18 Click OK to close Column properties.
- 19 In the Column area, click Satin Column . Place the first point for the satin column at the position of the Create Cursor , in the right corner of the band around the fleur de lys.
- 20 Place another point as close as possible to the first using the place points pointer . *Adjust the position of the point if the move pointer  appears instead. This places the second point for the satin column almost on top of the first.*
- 21 Place two points on the opposite sides of the center of the band, and two points next to each other in the left corner. This will create a diamond shaped area of satin stitch. *A minimum of four points is required to create a column.*
- 22 Right-click to finish the column.
- 23 Right-click again to deselect Satin Column.
- 24 Use Zoom To Rectangle  to zoom in on the band around the fleur de lys.
- 25 Right-click to deselect Zoom To Rectangle.
- 26 Click the View tab.
- 27 Click 2D View . The display changes to 2D.
- 28 If desired, adjust the points for the band around the fleur de lys.
- 29 Click the Precise Create tab.





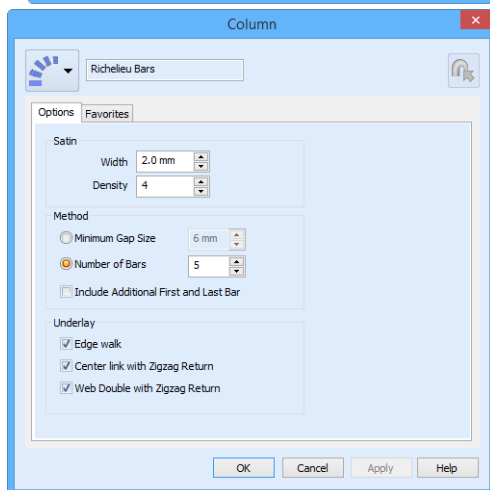
- 30 Click Precise Emboss Line .
- 31 Hold Ctrl and place five points to form a diamond shape within the band around the fleur de lys. *Use the grid as a guide when placing the points for embossing.*
- 32 Right-click to finish the embossed line.
- 33 Right-click to deselect Precise Emboss Line.
- 34 Click Zoom To Fit .




- 35 Click Life View  to see the embossed band, then click Cancel.
- 36 In the Options area of one of the Create tabs, click the Column button and select Richelieu Bars  in the drop-down menu. The Fill Area and Line dialog box opens at the Options tab for Richelieu Bars.

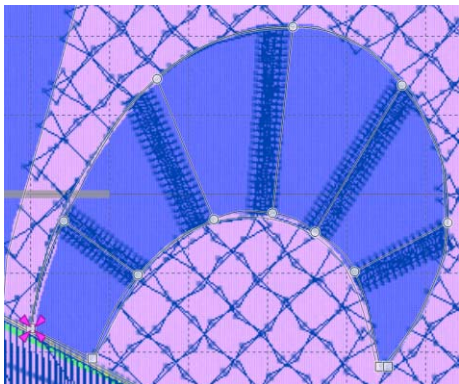







- 37 Set Width to 2.0mm and set Density to 4.
- 38 In Method select Number of Bars, and set the number to 5. Deselect (uncheck) 'Include Additional First and Last Bar'. *No additional first and last bar at either end of the area will be needed as the ends will be covered by a satin line.*
- 39 In Underlay select all three options.
- 40 Click OK to close Column properties. *For free-standing lace it is recommended to use all the underlay options to add stability.*
- 41 Click Richelieu Bars .
- 42 Place a point at the tip of the right feather of the fleur de lys.
- 43 Place a second point using the place points pointer , as close as possible to the first.
- 44 Place a pair of points a little way down the feather.
- 45 Place five or six more pairs of points, following the curve of the feather.

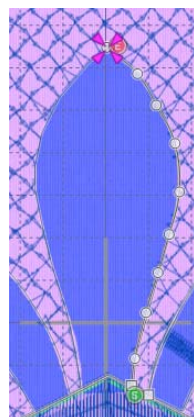






*A line should join each pair of points, making parallel lines that run across the feather. If the lines run diagonally, click Undo  and try again, or edit the points after creation. You may optionally add more points using Insert Points in the Home tab. The first and last pairs of points will automatically be square (control) points for any column, including Richelieu bars.*

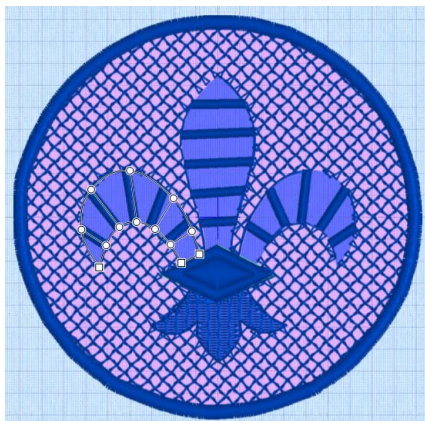
- 46 Place two final corner points at the base of the feather.



- 47 Right-click twice to finish the bars, and to deselect Richelieu Bars.  
*You may wish to move points to make the curve smooth.*
- 48 Ensure that Running Stitch  is selected as the Line type.
- 49 Click Create Area or Line .
- 50 Hold Ctrl and place the first point of the line at the Create Cursor .
- 51 With Ctrl held, place a second point where the right side of the middle feather meets the band around the fleur de lys.
- 52 Release Ctrl and place a series of points along the right side of the middle feather up to its tip.  
*This line of running stitch will later be covered by a satin border.*
- 53 Right-click twice to end the line and to deselect Create Area or Line.
- 54 Click Richelieu Bars .
- 55 Place the first point for the Richelieu Bars at the Create Cursor , at the tip of the middle feather of the fleur de lys.  
*The settings are the same as for the right feather, so only check them if you think they may have changed.*
- 56 Place the second point as close as possible to the first.
- 57 Then place a pair of points a little way down the feather.
- 58 Place four more pairs of points, following the curve of the feather. Then place two final corner points at the base of the feather. Right-click twice to deselect.  
*Although the top of the diamond is included in this area, it will not be affected as there is no stitching here.*



- 59 Use Create Area or Line  to create a line of Running Stitch  to the tip of the left feather.
- 60 Click Richelieu Bars .
- 61 Place two square points at the tip of the left feather of the fleur de lys. Then place five or six pairs of round points down the feather. Place two final corner (square) points at the base of the feather and right-click to deselect.
- 62 In the View tab click 3D View  to see the design in 3D.  
*To place an outline around the fleur de lys, see "Outline the Fleur de Lys With a Satin Line" on page 253.*



Lines can be created as individual parts of the design, or as a border to a fill area.

*You can use Fill Area and Line properties to convert any line (or area) type to any other line or area type, including appliqué options.*

Use the QuickStitch™, Freehand Create, Precise Create and Shape functions to create lines. See “Creating Fills and Lines” on page 233.


Select the line type from the drop-down Line menu in the Quick Create, Freehand Create, or Precise Create tab.

*Alternatively, right-click the line you created and change its properties in the Fill Area and Line properties dialog. Use the work area or FilmStrip to change the position of the line and its properties, or to edit selected lines.*

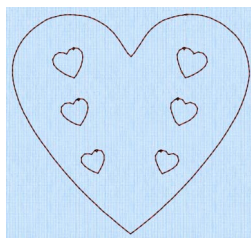
*To create a line without a fill, deselect the Fill button on the Create tab.*

## Line Types

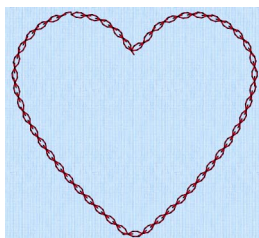
Create individual lines using the following line types:

	Running Stitch		Satin Line
	Double Stitch		Motif Line
	Double Zigzag		No Border Line
	Triple Stitch		

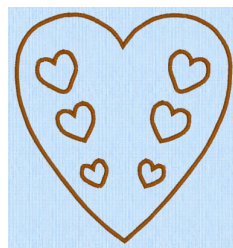
*You can select your fill type, and the line type for the surrounding border, before creating the fill. Alternatively, change either the fill or border type afterwards using Fill Area and Line properties.*



Running Stitch




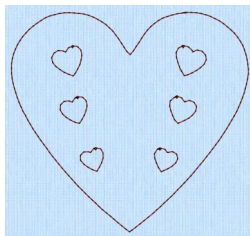
Motif Line using Pattern 2  
from Hand Stitches 1.



Satin Line

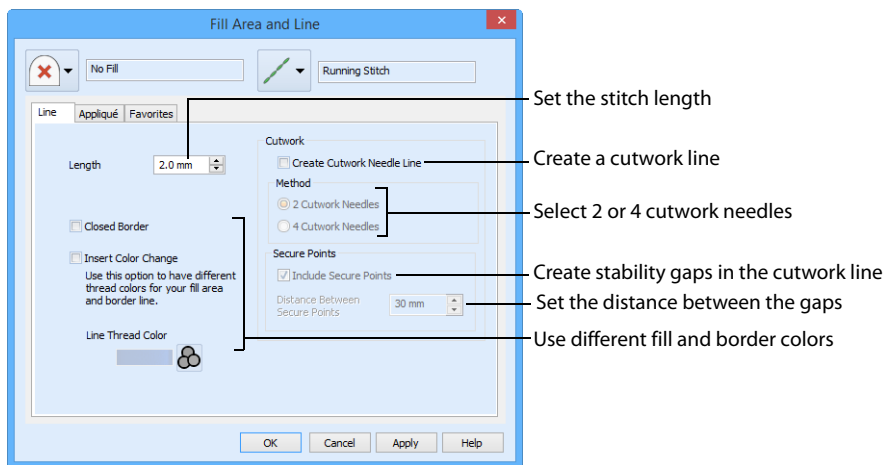
# Running Stitch

Running stitch  is a row of small stitches going forward.



Use lines of running stitch for light markout or as underlay for satin columns and fill areas. Running stitch is also useful for traveling stitches between sections of a design, if it can be placed where it will be covered by later stitch objects.

## Running Stitch Properties



### Length

Set the Length of Running stitch from 0.3 to 12mm in steps of 0.1mm.

The initial setting is 2mm.

*If you change a running line back to standard stitching after using INSPIRA® Cutwork needles, the stitch length will need to be altered from 0.3mm.*

### Closed Border

Set the line as an open line or a closed line (a shape).

*Use Closed Border to change an open line to a closed one, or vice versa. This allows you to create a fill area with a closed or open border (a border that runs all the way around a fill area, or only part of the way).*

## Insert Color Change

Insert a color change between a border line and the enclosed fill area. The Color Selection dialog is displayed.

*See "Color Selection" on page 279.*

*Insert Color Change is only used when the line forms the border to a fill area.*

## Cutwork

The cutwork needle features allow you to draw a cutting line within your design, optimized for the INSPIRA® Cutwork Needles. Use two or four cutwork needles, and add secure points for fabric stability.

### Create Cutwork Needle Line

Enable the cutwork needle feature. By default this feature is not selected (checked).

*When cutwork is selected Insert Color Change is no longer available. The stitch length is automatically set to 0.3mm and cannot be adjusted.*

### Method

Choose between:

- 2 Cutwork Needles
- 4 Cutwork Needles

By default 2 needles is selected.

*With 2 needles, a bladed needle set at one angle is used to cut around the shape, and then the second needle travels around the shape cutting at a different angle.*

*With 4 needles a more precise cutting method is used, where each needle is used for the section of the shape that closely matches its angle. This method is recommended for more delicate fabrics.*


### Secure Points

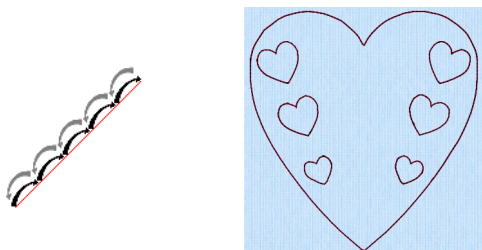
Select Include Secure Points to create gaps in the cutwork needle line. By default Include Secure Points is selected.

*This allows the cut fabric to remain attached for stability while all the cutwork needle lines are created. Afterwards it can be easily trimmed with scissors.*

Set the Distance Between Secure Points from 10mm to 100mm in steps of 1mm. The initial setting is 30mm.

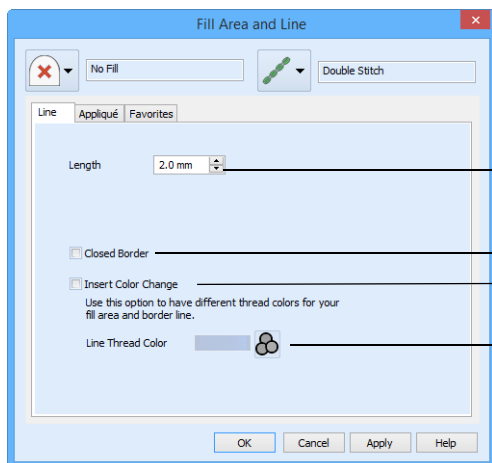
# Double Stitch

Double stitch  is a row of small stitches going forward, followed by a row of small stitches going backward, so it ends at the same point where it began.



Use double stitch for markout and to place branching outlines that need to return to their starting points.

## Double Stitch Properties



Set the stitch length from 1mm to 12mm

Use a line or a shape (a closed line)

Use a different color for the border

Set the color for the border

### Length

Set the Length of Double stitch from 1 to 12mm in steps of 0.1mm.

The initial setting is 2mm.

### Closed Border

Set the line as an open line or a closed line (a shape).

*Use Closed Border to change an open line to a closed one, or vice versa. This allows you to create a fill area with a closed or open border (a border that runs all the way around a fill area, or only part of the way).*

### Insert Color Change


Insert a color change between a border line and the enclosed fill area. The Color Selection dialog is displayed.

*See "Color Selection" on page 279.*

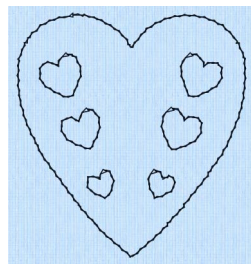
*Insert Color Change is only used when the line forms the border to a fill area.*



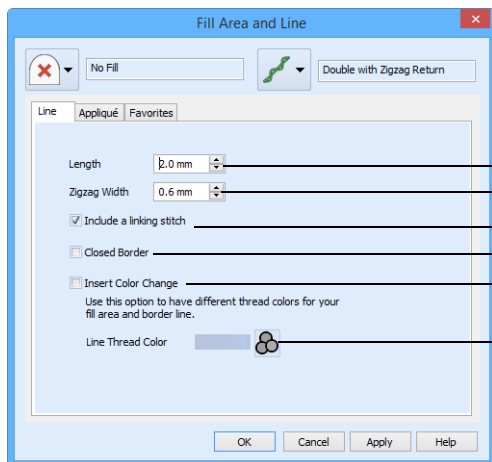
# Double Zigzag

Double Zigzag stitch  is a row of small stitches going forward, followed by a zigzag row of small stitches going backward, so it ends at the same point where it began.

*Double Zigzag is a special stitch type, recommended for lace. A running stitch line is retraced in a zigzag pattern to create a mesh if sections are placed together. Alternatively, use this stitch type for crosshatch fill.*



## Double Zigzag Properties



- Set the stitch length
- Set the width of the zigzag line
- Use a linking stitch between sections of Double Zigzag
- Use a line or a shape (a closed line)
- Use a different color for the border
- Set the color for the border

### Length

Set the Length of Double Zigzag stitch from 1 to 12mm in steps of 0.1mm.

The initial setting is 2mm.

### Zigzag Width

Set the Width of the Zigzag part of the stitch from 0.2 to 6mm in steps of 0.1mm.

The initial setting is 0.6mm.

### Include a Linking Stitch

Use a linking stitch between sections of Double Zigzag stitch.

### Closed Border

Set the line as an open line or a closed line (a shape).

*Use Closed Border to change an open line to a closed one, or vice versa. This allows you to create a fill area with a closed or open border (a border that runs all the way around a fill area, or only part of the way).*


### Insert Color Change

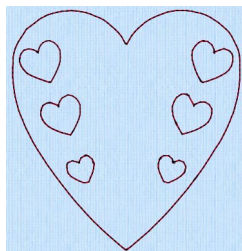
Insert a color change between a border line and the enclosed fill area. The Color Selection dialog is displayed.

See "Color Selection" on page 279.

*Insert Color Change is only used when the line forms the border to a fill area.*

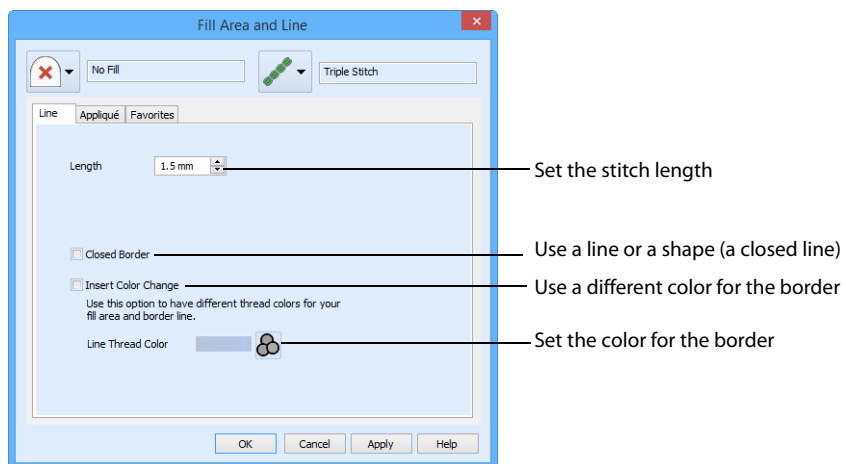
# Triple Stitch

Triple stitch  is a row of small three-part stitches, each composed of one stitch going forward, one going backward then one going forward. The stitch length can be changed from 1mm to 12mm.



Use triple stitch for heavy markout or as heavy joining lines between sections of a design.

## Triple Stitch Properties



### Length

Set the Length of Triple stitch from 1 to 12mm in steps of 0.1mm.

The initial setting is 2mm.

### Closed Border

Set the line as an open line or a closed line (a shape).

*Use Closed Border to change an open line to a closed one, or vice versa. This allows you to create a fill area with a closed or open border (a border that runs all the way around a fill area, or only part of the way).*


### Insert Color Change

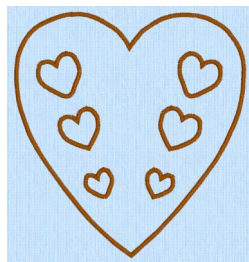
Insert a color change between a border line and the enclosed fill area. The Color Selection dialog is displayed.

*See "Color Selection" on page 279.*

*Insert Color Change is only used when the line forms the border to a fill area.*

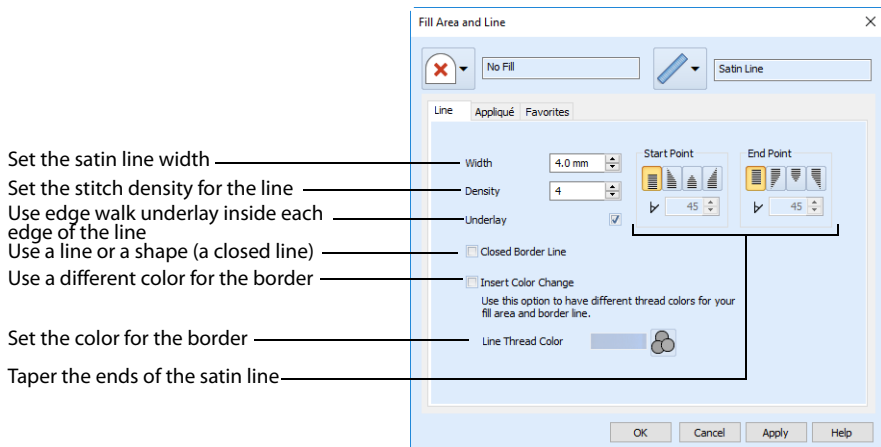
# Satin Line

Satin Line  is a line of constant-width satin stitch. The width of the line can be set from 1 to 12mm.



## Satin Line Properties

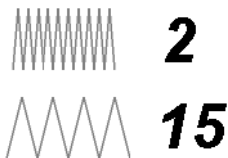
Set density, width and taper for satin line.



## Density

Set Density from 2 to 15. The lower the number, the closer together the stitches and the more stitches are produced. The initial setting is 4.

*Embroidery on thicker fabrics usually looks better with more stitch coverage, or a low density setting. Choose a low value such as 2 or 3 for heavy knit fabrics, a higher value such as 5 or 6 for a light material like linen or satin.*



## Width

Set Width for satin border from 1 to 12mm. The initial setting is 4mm.

## Underlay

Use this option to place edge walk underlay inside each edge of the satin border. Underlay will not be generated if the Border Width is set below 2mm.

## Closed Border

Set the line as an open line or a closed line (a shape).

*Use Closed Border to change an open line to a closed one, or vice versa. This allows you to create a fill area with a closed or open border (a border that runs all the way around a fill area, or only part of the way).*

## Insert Color Change

Insert a color change between a border line and the enclosed fill area. The Color Selection dialog is displayed.

*See "Color Selection" on page 279.*

*Insert Color Change is only used when the line forms the border to a fill area.*





## Tapered Ends


The Start Point and End Point settings can be used to taper the ends of your satin lines.

*Use these options to create mitered or pointed ends for your satin lines.*

### Start Point





Use these options to change the type of line beginning for the satin line. Select a taper type, then set the angle of the taper.


- No Taper 
- Left Taper 
- Central Point 
- Right Taper 

To set the Taper Angle , click the up and down arrows or enter a number.


### End Point

Use these options to change the type of line end for the satin line. Select a taper type, then set the angle of the taper.

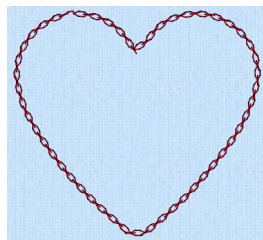
- No Taper 
- Left Taper 
- Central Point 
- Right Taper 

To set the Taper Angle , click the up and down arrows or enter a number.

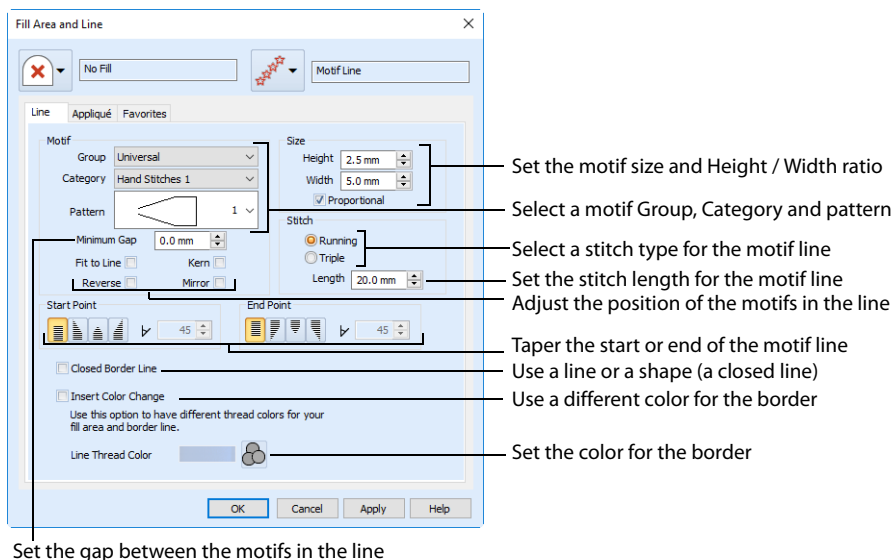
## Motif Line

Use Motif line  to draw a line of motifs.

Use motif lines for decorative stitches and details.



# Motif Line Properties



## Motif

### Group

Click the drop-down arrow to select the desired group of motif patterns.

### Category

Click the drop-down arrow to select the desired category of motif patterns.

### Pattern

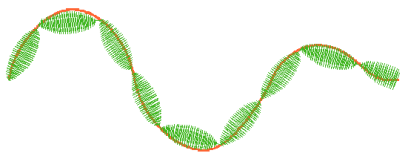
Click the drop-down arrow to select the desired motif visually. Motifs are also numbered for convenient reference.

### Minimum Gap

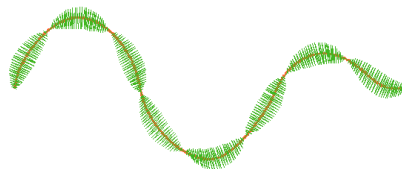
The Minimum Gap is the minimum amount of extra stitching that is placed between the motifs along the line. This is in addition to any spacing that is part of the selected motif.

## Fit To Line

Select this option to make the shape of the motifs follow the curves of the line.



When Fit To Line is off, the ends of each motif are placed on the line.



When Fit To Line is on, each motif is adjusted to fit along the line.

## Reverse

Use this option to reverse the direction of the motif along the line. This is useful, for instance, if you have placed a QuickStitch™ Motif Line and wish to reverse the motif direction. Some motifs are symmetrical and will have no apparent change when they are reversed.

## Kern

Use Kern to automatically increase the space between adjacent motifs where necessary, so that the motifs fit along the line without overlapping.

## Mirror

Use this option to mirror the motif across the line of motifs. Some motifs are symmetrical and will have no apparent change when they are mirrored.

## Size

### Height and Width

The Height and Width are initially set according to the chosen motif. The maximum and minimum values for Height and Width are individual to each motif.

### Proportional

Use this option to keep the relative Height and Width in proportion when either is changed.

## Stitch

Select Running or Triple stitch for stitching out the motifs. Set the maximum Length of stitches from 1 to 20mm in steps of 0.1mm. Length is initially set to the recommended value for each motif.

### Tapered Ends

The Start Point and End Point settings can be used to taper the ends of your motif lines.





For Motif Lines, the Central Point option starts at the first stitch point in the first motif in the line. The precise position of the point will vary, depending on the motif used.


*Use these options to create mitered or pointed ends for your motif lines.*



## Start Point





Use these options to change the type of line beginning for the Motif Line. Select a taper type, then set the angle of the taper.


- No Taper 
- Left Taper 
- Central Point 
- Right Taper 

To set the Taper Angle , click the up and down arrows or enter a number.

## End Point

Use these options to change the type of line end for the Motif Line. Select a taper type, then set the angle of the taper.

- No Taper 
- Left Taper 
- Central Point 
- Right Taper 

To set the Taper Angle , click the up and down arrows or enter a number.

## Closed Border

Set the line as an open line or a closed line (a shape).

*Use Closed Border to change an open line to a closed one, or vice versa. This allows you to create a fill area with a closed or open border (a border that runs all the way around a fill area, or only part of the way).*





## Insert Color Change


Insert a color change between a border line and the enclosed fill area. The Color Selection dialog is displayed.

*See "Color Selection" on page 279.*

*Insert Color Change is only used when the line forms the border to a fill area.*

## Create a Flower with Motif Lines

- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicFill\_Motif fills'.  
*Alternatively, use the petals design that you created in "Create a Petal Design with the ExpressDesign Wizard" on page 87, and added two motif fills to in "Use Motif Fills in Two Petals" on page 299.*
- 2 Click the View tab, and ensure that Grid size is set to 5mm.
- 3 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 4 Click the Paint tab. The picture on which the design is based is shown.

5 Click the MiniPic icon  and the viewer dialog box will appear. Browse to the folder `\Paint\Medium`. The folder browser only shows subfolders of the Paint folder.


6 Click the purple and yellow flower called '17.axw'.  
*If you position the arrow pointer over a thumbnail without clicking, the name of the MiniPic will be shown. The MiniPic is called '17.axw'.*



7 Double-click the flower to load it in the work area.

8 Click Close to close the viewer.

9 Notice there is a selection box around the flower. Click and drag inside a colored area in the selection box to move the flower. Position it in the larger end of the petal on the left.

10 Click outside the selection box to deselect the flower MiniPic.


11 Click Pick Foreground Color , then click on the purple in the petals of the flower head. The color in the color box changes to purple.

12 Click Flood Fill  and the pointer changes to the paint bucket .

13 Click the yellow in the center of the flower and it will be filled with the same purple as the petals.

14 Click the Home tab.

15 Select the fill area for the petal on the left. It will also be highlighted in the FilmStrip.


16 With the blue Pattern Fill selected, click Delete  to delete it. *This removes the fill area from the petal so that we can create a flower using motif lines.*

17 Click the Quick Create tab.

18 In the FilmStrip, select the blue color that was used for the fill.

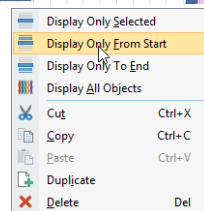
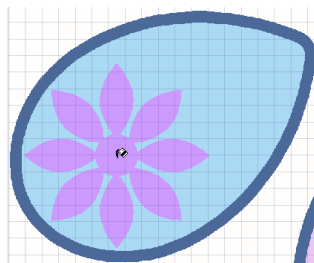
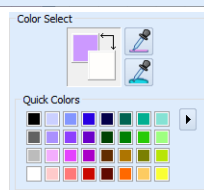
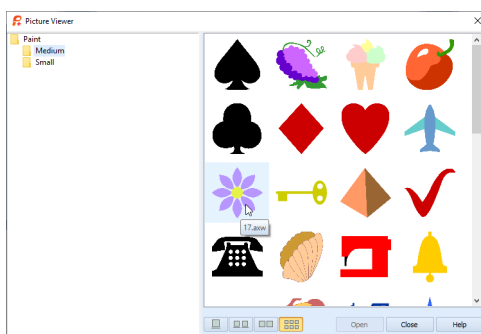
19 Right-click in the FilmStrip and select Display Only From Start. All objects after the blue color will be hidden. In the FilmStrip, you will be able to see a blue color block and the violet colored pattern fill (or motif fill if you filled the other two petals).

20 In the Quick Create tab, deselect the Fill and Appliqué buttons.

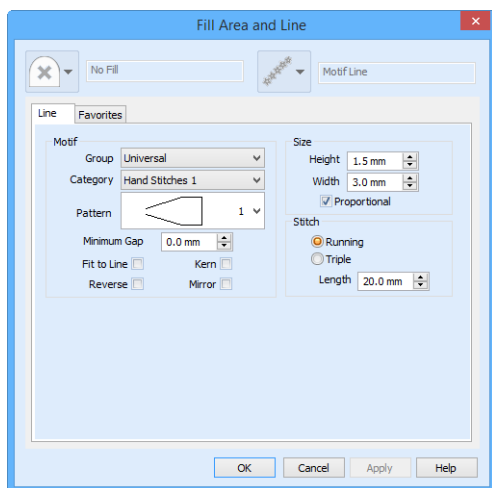
21 In Line click the drop-down arrow and select Motif Line .

22 In the Options section click Fill Area and Line. The Fill Area and Line properties for Motif Line opens.

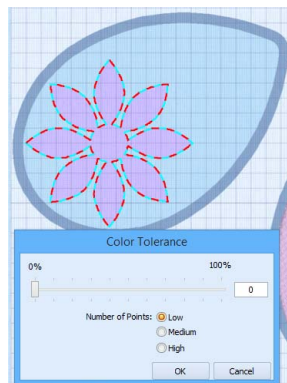
*The line selection drop-down is grayed out (unavailable). The line type is set to Motif Line, so only its properties are shown. After creating a line you may change its type and properties.*



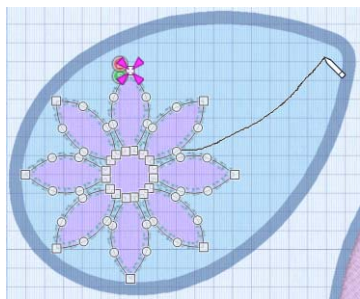
- 23** Set the Motif Group to Universal, and the Category to Hand Stitches 1, Pattern 1, the desired chain stitch pattern, is selected automatically.



- 24** Set the Height to 1.5mm. The Width will automatically change to 3.0mm because Proportional is selected.
- 25** Click OK to close the dialog box.
- 26** Click QuickStitch™.
- 27** Click inside the flower. A dashed line of alternating colors will appear around the flower, showing the area that is selected for outlining with the Motif Line. Also, the Color Tolerance dialog box will appear, with the Tolerance set to zero.
- Use Color Tolerance to preview the area of the picture that defines the new QuickStitch™ area or line. This is useful even when it is not necessary to adjust the Tolerance value.*











- 28** Click OK and a chain stitch line will appear around the flower. Right-click to deselect the function.
- 29** Click the Freehand Create tab.
- 30** Click Create Area or Line. The pointer changes to a pen.
- 31** Click and drag to draw a line from the flower up to the top right point of the petal.

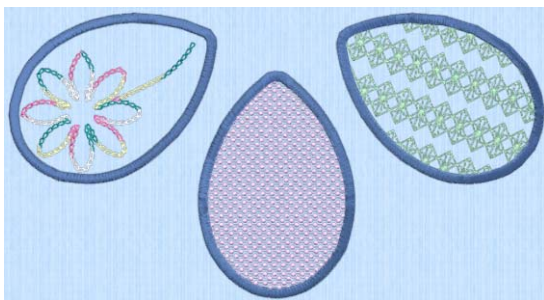


*Don't worry if the line is wobbly, you will change it below.*






- 32** Release the mouse button, or lift your pen from the tablet, and a chain stitch line will appear.
- 33** Right-click to deselect the function.
- 34** Select the line that you just drew and use the Zoom Bar to zoom in on the line.

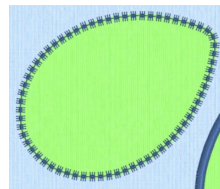
- 35 Move the points (nodes) on the line to smooth it, making it into a gentle curve.  
*When you click on a square node it becomes round. Square nodes are used for straight sections, round for curved sections. To make a node square, hold down the Ctrl key when you click on it.*
- 36 If desired, use Insert Points  or Delete Points  in the Home tab to add or remove points from the line. Right-click to deselect.
- 37 Use Life View  to preview the results, then click Cancel.
- 38 Double-click the second color (pale blue) in the color worksheet and the Color Selection dialog box appears.  
*Alternatively, scroll up the FilmStrip and click the Color at the beginning of the light blue objects. Right-click on the FilmStrip and select Properties.*
- 39 Click Show All Thread Ranges, then click the drop-down arrow for the Thread Range and select Robison-Anton Rayon Vari 40.
- 40 In the shade list, browse for 2370 (4CC Melody) or enter 2370 in the Find Thread box. Click OK.
- 41 Click the Edit tab.
- 42 Click Display All Objects  and Zoom To Fit .
- 43 Click Save  and browse to the folder Documents\Premier+2\My Designs.
- 44 Change the File name to 'PetalsMotif' and click Save.
- 45 Click Print  to print the embroidery worksheet.
- 46 Click Export Embroidery  and ensure that .vp4 is set as the file format. Click OK.
- 47 In the Save As dialog, browse to the folder Documents\Premier+2\My Designs and click Export. The design is saved as PetalsMotif.


*There is no need to change the file name, as it is taken automatically from the design file name.*









## Change Satin Line to Motif Line in an Appliqué Petal

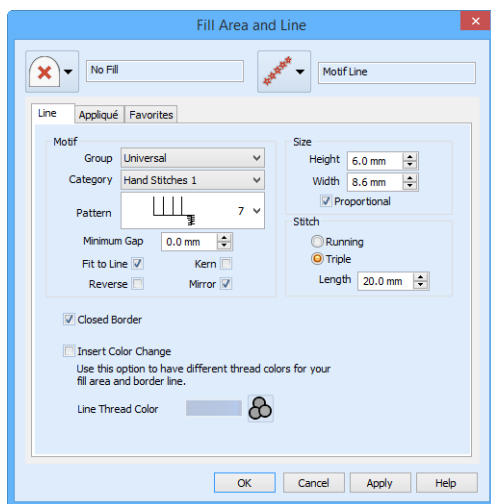
- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicApplique'.  
*Alternatively, use the petals design that you created in "Create Appliqué Areas with Express Border" on page 89.*
- 2 Click the View tab, and ensure that Grid size is set to 5mm.
- 3 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 4 Select the satin line for the petal on the left, then right-click to see the Fill Area and Line dialog box.
- 5 In the Line drop-down menu at the top right, select Motif Line . The Line tab of the Fill Area and Line properties dialog box will appear.
- 6 Set the Motif Group to Universal, and the Category to Hand Stitches 2. Pattern 1, the desired butterfly stitch pattern, is selected automatically.
- 7 Click Proportional so that it is no longer selected, then set the Height to 4.0mm.



- 8 Click OK. Click Life View  to see the effect, and click Cancel. To change the inside of the middle petal to a QuiltStipple fill, see “Insert QuiltStipple Fill in a Petal” on page 314.








## Change Satin Line to Picot Motif Line

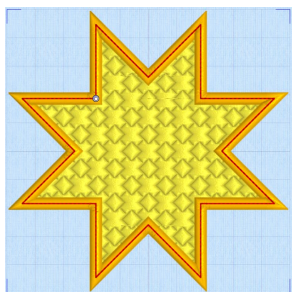
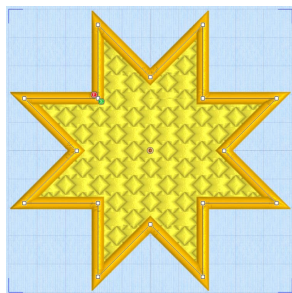
- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'PetalsBasicApplique'.
- Alternatively, use the petals design that you created in “Create Appliqué Areas with Express Border” on page 89.
- 2 Click the View tab, and ensure that Grid size is set to 5mm.
- 3 Click File, Preferences , and ensure that Color Tolerance is selected (checked), and that Tie Off Before and After Trims is selected.
- 4 In the Home tab, click to select Edit Points .
- 5 Click the edge of the middle petal. Its nodes (points) are displayed. In the status bar the stitch type is displayed as Satin Line Appliqué. In the FilmStrip the objects should also be Satin Line Appliqué. You can select objects in the FilmStrip, or press the right and left arrow keys to step through the objects in the design.
- 6 Right-click the work area to see the Fill Area and Line properties for this Satin Line.
- 7 In the Line drop-down menu at the top right, select Motif Line . The Line tab of the motif line properties will appear.
- 8 Set the Motif Group to Universal, and the Category to Hand Stitches 1.
- 9 Click the drop-down arrow for Pattern and select Pattern 7, a buttonhole picot stitch.
- 10 Click the Fit To Line and Mirror options so they are selected. This will ensure that the shape of the motif curves to follow the outline of the petal and the blanket stitch will be inside the picot edge.
- 11 Set the Stitch type to Triple.




- 12 Click OK. Add a motif fill to the right petal in “Insert Motif Fill in an Appliqué Petal” on page 300.

## Add a Triple Stitch Embellishment to a Satin Line

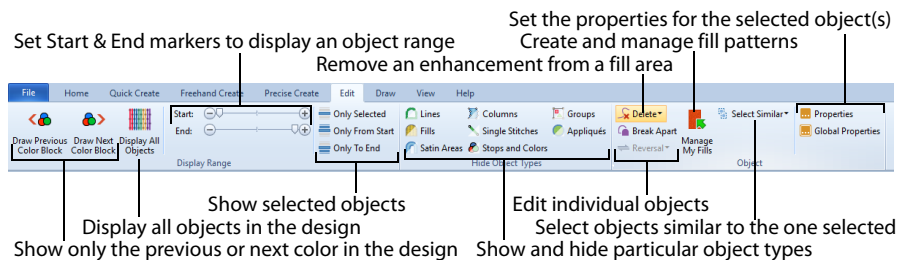
- 1 In the Quick Create tab, ensure that Fill and Line are selected.
- 2 Ensure that Fill is set to Pattern Fill and Line is set to Satin Line.
- 3 Right-click the thread color in the FilmStrip and select Properties. Then set the thread to a pale color.
- 4 In the Options area, click Fill Area and Line and choose a pattern for the Pattern Fill.
- 5 Click the Line tab and ensure that Width is set to 4mm.
- 6 Select (check) Insert Color Change, then click Line Thread Color  and choose a medium color for the border.
- 7 Click OK to close the Fill Area and Line dialog box.
- 8 Select a shape from the drop-down list.
- 9 Click the Shape icon . The shape is placed in the center of the work area as a selected block.
- 10 Resize the shape as desired using the square corner handles. *Hold down Ctrl as you click and drag to resize proportionally. Hold down Shift to resize from the center.*
- 11 In the FilmStrip click the Pattern Fill shape to select it.
- 12 In the Home tab click Copy , and then click Paste .  
*This will place the copied shape on top of the original. Duplicate would place it slightly to one side.*
- 13 Right-click the copy in the FilmStrip and select Properties from the context menu.
- 14 In Fill, select No Fill . The Line tab opens.
- 15 In the Line drop-down menu select Triple Stitch, then click Apply. *In the FilmStrip the second shape is now described as Triple Stitch. This may take a few second to happen. Note that the upper line exactly follows the line below.*
- 16 Click Line Thread Color  and in the Color Selection dialog box set the thread to a darker color.
- 17 Click OK twice to view the shape in the work area.
- 18 Click outside the design to see both lines clearly. *You could also embellish a satin line with a chain stitch or other motif line.*
- 19 Select both shapes in the FilmStrip, then in the Home tab click Group .  
*This will keep the two lines together until Ungrouped.*



## No Border Line

No Border Line  is used where a fill area is desired without a border, for example an area of QuiltStipple fill.

Use the Edit tab to view colors, to display and hide objects in the design, and to edit parts of the design.



After you have created an object such as a line, fill or hole, you may want to change its properties; for example the motif size, fill pattern, appliqué fabric or stitch length. Click the object to select it, then right-click it to change its settings in the properties dialog box. See “Fill Area and Line Properties” on page 38.

To change an object within a group, select the object in the FilmStrip, and then right-click it and select Properties in the context menu.

*If an object is difficult to select in the work area, select it in the FilmStrip. Alternatively, click a nearby object in the FilmStrip and then use the arrow keys to step through the objects until the desired object is selected in the work area.*

*To change the properties of all visible objects of the selected type, right-click in the FilmStrip and select Global Properties.*

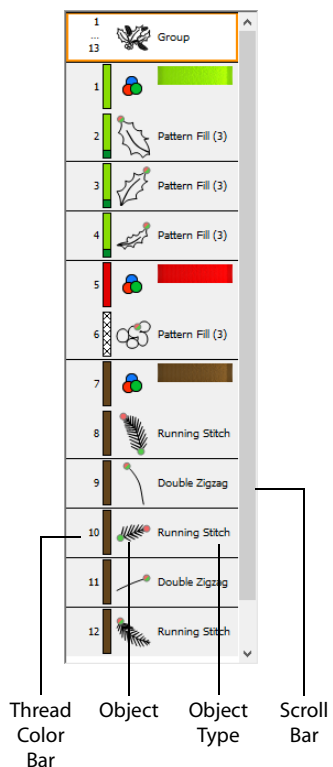
## Select Objects

In PREMIER+™ 2 Create, designs are made up of a sequence of lines and areas (e.g. stitch lines, fills and columns). Each area, line or column is defined by a number of points that can be seen on the work area. The selected object is highlighted in the FilmStrip in the Design window.

*To change the properties of all visible objects of the selected type, right-click in the FilmStrip and select Global Properties.*

## Select a Place to Insert New Objects

To add stitch objects such as areas, lines and columns between existing objects, select an object in the FilmStrip or work area, then create the new object. The new object is placed below the object that you



selected. If you select an object within a group, the new objects will be created as part of that group.




*Unless you choose a new color, the color of newly inserted objects will be the same as the object above them.*

Use the display options on the Edit tab or the right-click context menu to hide objects that you do not want to change.

The color worksheet, object filters and Draw Range are also useful to isolate an object so that it is easier to select the desired insertion point.

## Insertion Markers

When a Freehand Create or Precise Create tool is selected, a marker shows the location of the last point of the preceding object. This is where new objects will be inserted:

- When objects will be added to the end of the design, the marker is pink .
- When objects are to be inserted (i.e. the selected object is not the last object in the design), the marker showing the final point of the selected object is orange .
- When objects are to be inserted, a blue marker  shows the position of the first point in the next object in the design.




## Select an Object to Edit

In the work area, click on an individual object to show the points that make it up and check what type it is in the Object Identification Box on the bottom right of the status bar.

*The object is also highlighted in the FilmStrip. You may click the desired object in the FilmStrip and the object will be selected on the work area.*

If you click on an object in a group, the whole group will be selected and highlighted in the FilmStrip. To select an object within that group, click on it in the FilmStrip.


*To edit the shape of a selected object within a group, right-click on the work area to enter Edit Points mode. Then adjust its shape.*

After locating the desired object, click and drag its points to change the shape of the object. In the Home tab you can insert extra points , delete unwanted points  or delete the object .

*Alternatively, right-click to access a dialog box to alter its properties, such as Fill Pattern or Stitch Length.*

## Stepping Through Designs


In Edit Points mode, use the left and right arrow keys on the keyboard to step through all the objects in sequence. Alternatively, click an object in the FilmStrip and use the up and down arrow keys on the keyboard to step through all the objects in sequence.

*If you are in Box Select mode , the selected object will move in the work area. Right-click on the work area to enter Edit Points mode.*

*The color worksheet, object filters and Draw Range are also useful to isolate objects.*



## How to Step Through Design Objects

- 1 In the Design window, ensure that Edit Points mode is selected.  
*In Edit Points mode the pointer is an arrow. If the Box Select pointer  can be seen, right-click to enter Edit Points mode.*
- 2 Click any object. Its points will be shown and the object type will be shown on the bottom right of the status bar.
- 3 Use the right arrow key on the keyboard to select the next object. Its points are shown and the object type is shown on the status bar. If you already have the last object in the design selected, it will remain selected.
- 4 Use the left arrow key on the keyboard to select the previous object. Its points are shown and the object type is shown on the status bar. If you already have the first object in the design selected, it will remain selected.

## Change Object Settings


### How to Change Settings for a Single Object

- 1 Select the object in the work area or FilmStrip.
- 2 Right-click the object. The Area and Line properties dialog for the object is displayed.
- 3 In the Area and Line properties dialog make the desired changes.

### Change Multiple Objects' Settings

- 1 Open the Design window.
- 2 To make it easier to select the desired object, use the color worksheet, or the Hide Object Types buttons and slider bars in the Edit tab to hide other objects.
- 3 To select an object directly on the work area, click on the desired object, or click an adjacent object then use the left and right arrow keys to step through to the required object (for example, to select a color change).
- 4 To select an object with the FilmStrip, scroll through the FilmStrip and select the desired object, or click any object and use the up and down arrow keys to step through the FilmStrip.
- 5 To change the properties of the selected object, right-click on the work area, or right-click on the FilmStrip and select Properties. The properties dialog box for the object type will appear.
- 6 To change the properties of all visible objects of the selected type, right-click on the FilmStrip and select Global Properties. (Alternatively, choose Select Similar from Visible, then Properties from the FilmStrip context menu.) The properties dialog box for the object type will appear.
- 7 To change the properties of selected objects, hold the Ctrl key and click the desired objects in the FilmStrip. Right-click one of the selected objects and select Properties. The properties dialog box for the object type will appear.  
*To change properties of objects in only one group, choose select Similar from Group, then Properties from the FilmStrip context menu.*
- 8 To change the stitch type for the selected object, choose the desired object type from the line or fill drop-down list in the Fill Area and Line dialog box. The properties for the new object type will appear.
- 9 Change the settings in the properties dialog box then click OK to apply the new settings. Click Cancel if you decide not to save the new settings.
- 10 When you click OK for changing Global Properties or the properties for a number of selected objects, all the settings in the dialog box will be applied to all visible or selected objects of that type.
- 11 Repeat as desired with other objects, then click Life View or Design Player to see the design as it will be stitched.

## Delete

Use Delete  to remove the currently selected object(s) from the design.


To delete commands, use the left and right arrow keys on the keyboard to step through all the objects in sequence until the desired command is selected. Alternatively, select the desired command using the FilmStrip.

*The color worksheet, object filters and Draw Range are also useful for isolating objects.*

### Shortcuts

- Home Tab: 
- Keys: Del; Alt, H, DE; Right-click FilmStrip, D


## Delete an Object

- 1 Click the desired object in the work area or FilmStrip, or click near it and use the left and right arrow keys on the keyboard until it is selected.
- 2 In the Home tab, click the Delete icon  (or press Delete on the keyboard) and the object is deleted. If a gap is left by the deleted object, a movement stitch will be inserted.

## Insert Commands


Use the FilmStrip to insert a new Color Change or Stop immediately after the selected object. Right-click in the film strip, then select the desired option from the context menu that appears.

### Insert Color Command

Use Insert a Color Change  to insert a color change after the currently selected object. The Color Selection dialog box appears so you can choose the new color.

*See "Color Selection" on page 196.*

### Insert Stop Command

Use Insert a Stop  to insert a Stop command after the currently selected object.

*A Stop will not be inserted if this would place two Stops together.*

## Change Objects' Sequence

Objects may be moved up and down the FilmStrip with click and drag, or with the arrow (Layout Order) buttons. This changes the order of the objects, and hence changes the order in which the stitches are created for the final embroidery.







### Moving an Object With Click and Drag

- 1 To move an object with click and drag, click the desired object and drag it up or down the FilmStrip. A bar moves up and down the list to show the new list position.
- 2 Release to drop the object at the desired point. Movement stitches are automatically inserted or removed as needed.

*If objects are dragged or inserted between two items in a group they will become part of that group, except if they are inserted immediately after the group header. To insert at the beginning of the group, drag into the middle, then move up.*

## Moving an Object With the Layout Buttons

- 1 To move an object with the Layout Order buttons, click the desired object. It is highlighted in the FilmStrip.
- 2 Click Move Backwards  to move the object one step up the FilmStrip (towards the first stitch object in the design). A bar moves up the list to show the new position.  
*Move Forwards  will move the object one step down the FilmStrip. Move to Back  will make the object the first to be stitched out, and Move to Front  the last.*
- 3 Move the object to the desired position.  
To move a selection of objects, either click the top of a sequence then hold the Shift key and click the bottom of the desired sequence, or hold the Ctrl key and click the desired objects. Then click the desired Layout Order button. Alternatively, use click and drag by moving the bar up or down the list to the desired point, then release the mouse button.

*If desired, use the color worksheet and Hide Object Types buttons to hide other objects. This can make it quicker to move the desired object.*

When using click and drag to move to a part of the list that is not visible, move the pointer above the top or below the bottom of the list and the list will scroll automatically. To scroll faster, move the pointer further above or below the list. Move the pointer back into the list to stop scrolling.

Moving an object up and down the FilmStrip does not change the position of the object on the work area. However, it may change the appearance of the design according to whether or not it changes the overlap with adjacent objects.

*The first color change may not be moved in the FilmStrip. Also, no object may be moved above the first color change in the FilmStrip, except another color change. This ensures that the initial color change in the design cannot be removed, and nothing can be moved before it, but it can be replaced.*

## Layout Order

The Layout Order buttons are used to move objects within the FilmStrip.


### Move Forwards

Move Forwards  brings the object one step down the FilmStrip.

#### Shortcuts

- FilmStrip: 
- Keys: Ctrl + [; Right-click FilmStrip, L, F


### Move Backwards

Move Backwards  brings the object one step up the FilmStrip.


#### Shortcuts

- FilmStrip: 
- Keys: Ctrl + ]; Right-click FilmStrip, L, B


### Move to Front

Move to Front  places the object at the bottom of the FilmStrip or Group.


## Shortcuts

- FilmStrip: 
- Keys: Ctrl + Shift + [; Right-click FilmStrip, L, N


## Move to Back

Move to Back  places the object at the top of the FilmStrip or Group.

## Shortcuts

- FilmStrip: 
- Keys: Ctrl + Shift + J; Right-click FilmStrip, L, C

## Display Group Contents

Use Display Group Contents  to switch between viewing the objects within Groups in the FilmStrip, and seeing only the Group heading rows in the FilmStrip.

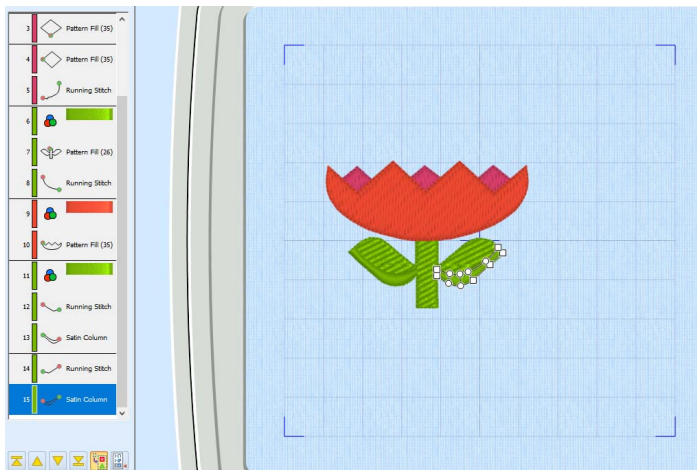
*Deselect Display Group Contents to aid in moving groups within the design.*

## Shortcut

- FilmStrip: 

# Edit Lines and Areas

The shape of a line or area can be changed by moving the points that define its outline.



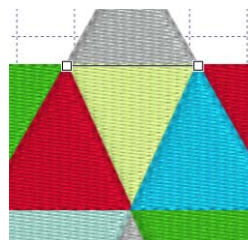
To choose a different object, click it on the work area or the FilmStrip. Alternatively, use the left and right arrow keys to step through the objects in the order they are used in the design. When selecting an object directly on the work area, click near one of the points that define it.

*If the visible colors or the object filters are changed, the last visible object is automatically selected. Therefore, change the view of the design before selecting the object you wish to edit. See "Viewing Pictures and Designs" on page 192.*

When the desired line or area is selected, its points can be moved. The points are shown as small circles or squares. Some stitch object types, such as Single Stitches have a fixed number of points.

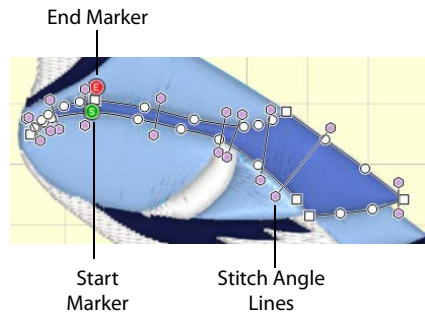
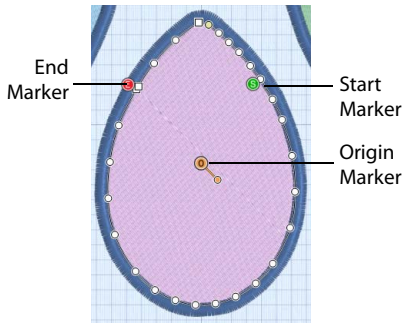
*Square points are used for straight sections and corners. Round points are used for curves.*

Other objects, such as fill areas, running stitch and satin lines, can have any number of points, and points may be inserted and deleted, allowing greater control over their shapes. The start and end points for fill and satin areas can be changed,



A Single Stitch is defined by two points

typically to reduce the need for trimming. Satin areas have angle lines that are used to control the satin angle.






Fill areas have as many points as needed to define their outlines, and also have moveable start, end and origin markers

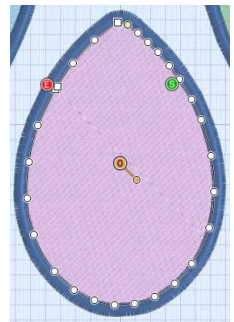
Satin areas have moveable start and end markers and adjustable stitch angle lines

Color change and stop commands, and alignment stitches are shown as a single point when selected.

## Move Points

The points that define the currently selected stitch object (satin column, fill area, running stitch, etc.) are shown as small squares and circles.

Also, the object type is shown in the FilmStrip and on the status bar. The FilmStrip also shows the shape of stitch objects, where relevant. The points used to start and end fill and satin areas are shown by the start  and end  markers. Some types of fill areas also have an origin, marked by an orange circle  (for Pattern Fill, the marker has a handle). Satin areas also have stitch angle lines with hexagonal ends.




*To choose an object to edit, click it on the work area or the FilmStrip. Alternatively, use the left and right arrow keys to step through the objects in the order they are used in the design. When selecting an object directly on the work area, click near one of the points that define it.*

Once the points are shown, click and drag the squares or circles to move them.

*Moving the points that define a satin area may also affect the stitch angle lines, but moving the stitch angle lines does not affect the shape of a satin area.*

## Edit Points


Use Edit Points  to enable the moving and editing of an object's points if another function is being used. Alternatively, click an object to select it and you will be in Edit Points mode.

### Shortcuts

- Home Tab, Points; Status Bar: 

- Keys: Enter; Alt, H, E

## Select and Move Points

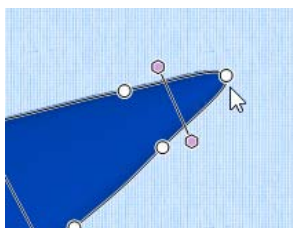
- 1 In the Home tab, click Edit Points .
- 2 Click an object in the FilmStrip, or on the work area, to select it and view its points.
- 3 Drag the points to change the shape of the object.  
*Moving the points that define a satin area may affect the stitch angle lines, but moving the stitch angle lines will not affect the shape of a satin area.*

## Make Lines Straight or Curved

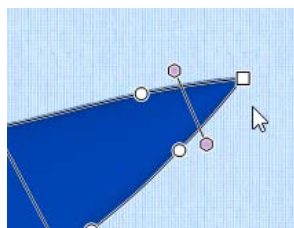
The outlines defining most types of lines and areas can have both curved and straight sections:

To have any curves, lines must be defined by at least four points. The first point of a fill or satin area is always a 'corner' (square) point. The first and last pair of points for a column are always square.

To change a curve (round) point to a square point, hold down the Ctrl key and click the point without moving it. When adjacent points are corners, the line between them will be straight. This is useful if, for instance, a point was not added as a corner at the desired place on a fill area or stitch line.




Point is a curve





Point is a corner after Ctrl + click


To change a corner point to a curve (round) point, simply click the point without moving it. There must be at least two round points next to each other to make the lines curved, so if there is one round point between two square points then the lines to the round point will be straight.

*If a line does not have enough points to make the desired section curved, use Insert Point  to add an extra point to use for the curve.*


## Move the Start and End Points for Areas

The start and end points for fill and satin areas are shown by circular markers. The start marker  is on the inside of the object, and the end marker  is on the outside of the object.

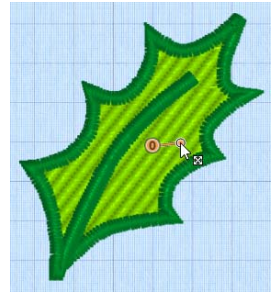
Click and drag the desired marker. Move the marker to the point that you wish to use as the new start or end point of the area. Drop at the desired point and the position of the marker will change.

The marker snaps to the nearest point on the edge of the object. If an area does not have a point in the desired position, use Insert Points  to add an extra point.

## Move the Origin for Areas

Some types of fill areas have an origin, marked by an orange circle . This is used to move the start point for the pattern in a pattern fill, or the center point for Radial fill, Spiral fill and Shape fill types. For a pattern fill, the origin has a handle for adjusting the angle of the fill.

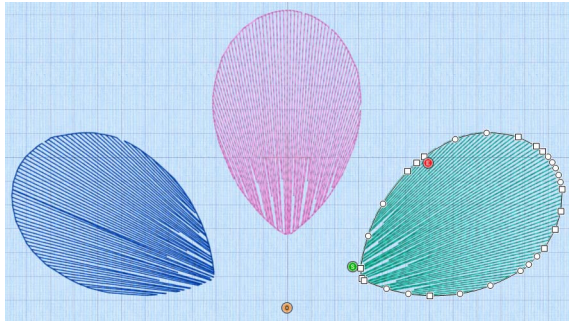
*This means that in a pattern fill area you can control how the pattern is repeated, and its angle.*



For Radial fill, Spiral fill and Shape fill areas, the origin can be moved. This sets the start point for the fill, such as the point from which stitches radiate on a Radial fill.

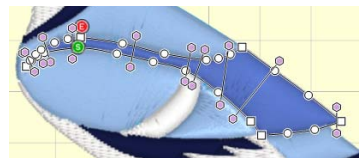
The origin can be moved anywhere on the design area. This allows you, for example, to create several of the same types of fill area with a

common origin. Simply move the origin to the same grid position for all the desired areas, so that the pattern of stitches is unified across the chosen areas.




## Change the Stitch Angle for Satin Areas

Satin areas have stitch angle lines that show and adjust the angle of the stitches across the area. The stitch angle lines have hexagonal handles at each end that are used to adjust each line individually.



Click and drag the desired hexagonal handle. Drop at the desired point and the position of the angle line will change. If the line does not move, this is because the new end point is not usable. This will happen if, for example, you attempt to force two angle lines to cross each other within the area.

## Delete Angle Lines

To delete angle lines, click Delete Points  then click the hexagon at either end of the line to be deleted. Right-click when you have finished deleting angle lines and/or points.

*A satin area must have at least one angle line. Therefore, the last angle line may not be deleted.*





## Insert Points


Use Insert Points  to add a new point to the currently selected line.

*Points may be inserted into all line and area types except Single Stitch. With this object type Insert Points and Delete Points are not available. For columns, a pair of points will be added.*



*Points may also be inserted into emboss lines and MultiWave lines.*

Click the Insert Points icon , then click the position on the selected object where you want to add the point. Also use Insert Points  to add stitch angle lines to satin areas with click and drag.

### Shortcuts

- Home Tab, Points: 
- Keys: Ctrl + Shift + D; Alt, H, IP

## Insert a Point in a Line


- 1 Click the desired object to show the points that make it up.
- 2 Click the Home tab.
- 3 Click the Insert Points icon , then click the place on the outline of the object where you want to add the new point.  
*The Insert Points icon is only available for objects that can have points inserted.*
- 4 To add a stitch angle line to a satin area, click and drag to draw a line across the desired section of the area. If the angle line does not appear, then it is not allowed in the place you attempted to draw it.  
*A stitch angle line cannot cross another stitch angle line. New lines must be added roughly parallel to the existing lines.*
- 5 Right-click to deselect Insert Points.
- 6 Click and drag to move any of the points in the object to alter its shape.
- 7 If desired, click the Insert Points icon  again and repeat.


## Delete Points

Use Delete Points  to delete points from the currently selected line.


*Points may be deleted from all line and area types except Single Stitch. With this object type Insert Points and Delete Points are not available. For columns, a pair of points will be deleted.*

*Points may also be deleted from emboss lines and MultiWave lines.*

Click the Delete Points icon , then click the points on the selected object that you want to delete. Stitch angle lines can be removed from satin areas by clicking the hexagonal control point at either end of the line. Right-click to finish.



*You may not delete all the points for an object. A fill or satin area must have at least three points. Satin border, motif lines and running, double and triple stitch lines must have at least two points. A satin area must also have at least one angle line. To remove all the points for an object, use Delete .*

### Shortcuts


- Home Tab, Points: 
- Keys: Ctrl + D; Alt, H, DP

## Delete a Point in a Line

- 1 Click on an object to show the points that make it up.
- 2 Click the Home tab.


- 3 Click the Delete Points icon , then click the points you wish to delete. They will be removed and the object will change shape accordingly. To remove an angle line for a satin area, click the hexagonal control point at either end of the line.
- 4 Right-click to deselect the function.  
*The Delete Points icon is only available for objects that can have points deleted.*
- 5 Click and drag to move any of the points in the object to alter its shape.
- 6 If desired, click the Delete Points icon  again and repeat.

## Convert Points and Bezier Lines


Use the Convert Points  functions to change between types of points in a line in Bezier Mode, or to change a Point Line to a Bezier Line, or a Bezier Line to a Point Line.

*For information on how to draw and adjust Bezier Lines, see “Bezier Mode” on page 250.*


### Shortcuts

- Home Tab, Points: 
- Keys: Alt, H, CP






## Convert Points to Corner

Use Convert Points to Corner  to change the selected point in a Bezier line to a Corner point (a point with no handles). Right-click to deselect the function.


### Shortcuts

- Home Tab, Points: 
- Keys: Alt, H, CP, CP


## Change a Bezier Mode Point to a Corner Point

- 1 Click on an object created in Bezier Mode to show the points that make it up.
  - 2 Click the Home tab.
  - 3 In the Convert Points  drop-down menu in the ribbon bar, select Convert Points to Corner . *Edit Points  is no longer highlighted.*
  - 4 Move the pointer over one of the points in your object. The pointer changes to the Convert Points to Corner pointer .
  - 5 Click on the point. It now has no handles, and the sections of the line by it are straight.
  - 6 Click to adjust any other points that you want to change in your design.
  - 7 Right-click to deselect the function.  
*Edit Points is highlighted again.*
  - 8 If desired, click the Convert Points to Corner  again and repeat.
- For more information on how to adjust Bezier Lines, see “Edit a Bezier Line” on page 252.*






## Convert Points to Smooth

Use Convert Points to Smooth  to change the selected point in a Bezier line to a Smooth point (a point with handles that can be adjusted independently). Right-click to deselect the function.


### Shortcuts

- Home Tab, Points: 
- Keys: Alt, H, CP, CT


## Change a Bezier Mode Point to a Smooth Point

- 1 Click on an object created in Bezier Mode to show the points that make it up.
- 2 Click the Home tab.
- 3 In the Convert Points  drop-down menu in the ribbon bar, select Convert Points to Smooth . *Edit Points  is no longer highlighted.*
- 4 Move the pointer over one of the points in your object. The pointer changes to the Convert Points to Smooth pointer .
- 5 Click on the point. It now has two handles, and the dashed line between them is straight.
- 6 Click to adjust any other points that you want to change in your design.
- 7 Right-click to deselect the function. *Edit Points is highlighted again.*
- 8 If desired, click the Convert Points to Smooth  again and repeat.  
*For more information on how to adjust Bezier Lines, see "Edit a Bezier Line" on page 252.*






## Convert Points to Symmetric

Use Convert Points to Symmetric  to change the selected point in a Bezier line to a Symmetric point (a point with handles that are the same distance from the point). Right-click to deselect the function.

### Shortcuts

- Home Tab, Points: 
- Keys: Alt, H, CP, CS

## Change a Bezier Mode Point to a Symmetric Point

- 1 Click on an object created in Bezier Mode to show the points that make it up.
- 2 Click the Home tab.
- 3 In the Convert Points  drop-down menu in the ribbon bar, select Convert Points to Symmetric . *Edit Points  is no longer highlighted.*
- 4 Move the pointer over one of the points in your object. The pointer changes to the Convert Points to Symmetric pointer .
- 5 Click on the point. It now has two handles at an equal distance from the point, with a straight dashed line between them.
- 6 Click to adjust any other points that you want to change in your design.
- 7 Right-click to deselect the function. *Edit Points is highlighted again.*
- 8 If desired, click the Convert Points to Symmetric  again and repeat.  
*For more information on how to adjust Bezier Lines, see "Edit a Bezier Line" on page 252.*

## Convert to Point Line

Use Convert to Point Line to change the selected Bezier Line to a Point Line.

The change takes place immediately.


*The Bezier lines in a Column cannot be changed to a Point Line. See "Draw a column with Bezier Curves" on page 353.*

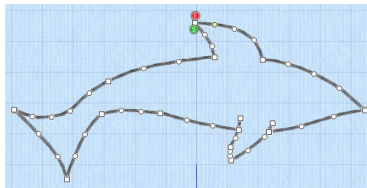
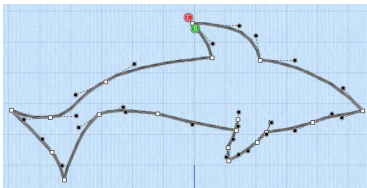
### Shortcut

- Keys: Alt, H, CP, CL

## Change a Bezier Line to a Point Line

- 1 Click on an object created in Bezier Mode.  
*The Bezier lines in a Column cannot be changed to a Point Line.*

- 2 Click the Home tab.
- 3 In the Convert Points  drop-down menu in the ribbon bar, select Convert to Point Line. The line changes to a standard Precise Create line immediately.



*Curved points are added to the line when it is converted. If you change your mind, use Undo rather than converting back.*

- 4 If desired, select another object and click Convert to Point Line again to repeat.

## Convert to Bezier Line


Use Convert to Bezier Line to change the selected Point Line to a Bezier Line. The change takes place immediately.

*A smoothly drawn line with the minimum of points is more likely to produce a good result.*

### Shortcut

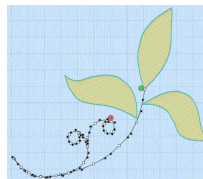
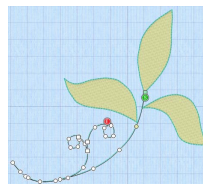
- Keys: Alt, H, CP, CC

## Change a Point Line to a Bezier Line


- 1 Click on an object created in Point Mode.  
*This is an object that was created with Quick Create, Freehand Create or drawn by placing points in Precise Create.*
- 2 Click the Home tab.
- 3 In the Convert Points  drop-down menu in the ribbon bar, select Convert to Bezier Line. The line changes to a Bezier line immediately.  
*If you change your mind, use Undo rather than converting back.*

*The number of points in the Bezier line will depend on the number of points in the original line. Delete points and adjust the handles on the remaining points to optimize the Bezier line.*


If desired, select another object and click Convert to Bezier Line again to repeat.




## Delete

Use the Delete  drop-down menu on the Edit tab to delete one or more holes or emboss lines from the currently selected area, or one or more MultiWave lines from the currently selected MultiWave Fill area.



## Delete Hole

Use Delete Hole  to delete one or more holes from the currently selected area. Right-click when you have finished deleting holes.


### Shortcuts

- Edit Tab, Object: 
- Keys: Alt, E, D, H


## Delete a Hole in an Area

- 1 Click on a fill area containing one or more holes.
- 2 Click the Edit tab.
- 3 In the Delete drop-down menu, click Delete Hole .
- 4 Click the hole you wish to delete. The hole is removed.
- 5 Right-click to deselect the function.  
*The Delete Hole icon is only available for objects that can have holes deleted.*
- 6 If desired, click the Delete Hole icon  again and repeat.



## Delete Emboss Line

Use Delete Emboss Line  to delete one or more embossed lines from the currently selected area. Click any node point on the line to be deleted. Right-click when you have finished deleting emboss lines.


### Shortcuts

- Edit Tab, Object: 
- Keys: Alt, E, D, E


## Delete an Embossed Line on an Area

- 1 Click on an area containing one or more embossed lines.
- 2 Click the Edit tab.
- 3 In the Delete drop-down menu, click Delete Emboss Line .
- 4 Click a node point on the line you wish to delete. The embossed line will be deleted.
- 5 Right-click to deselect the function.  
*The Delete Emboss Line icon is only available for objects that can have embossed lines deleted.*
- 6 If desired, click the Delete Emboss Line icon  again and repeat.



## Delete MultiWave Line

Use Delete MultiWave Line  to delete one or more MultiWave lines from the currently selected MultiWave Fill area. Click any node point on the line to be deleted. Right-click when you have finished deleting MultiWave lines.

### Shortcuts

- Edit Tab, Object: 
- Keys: Alt, E, D, W

## Delete a MultiWave Line from a MultiWave Fill Area

- 1 Click on a MultiWave Fill area containing one or more MultiWave lines.
- 2 Click the Edit tab.
- 3 In the Delete drop-down menu, click Delete MultiWave Line .
- 4 Click a node point on the line you wish to delete. The MultiWave line will be deleted.
- 5 Right-click to deselect the function.  
*The Delete MultiWave Line icon is only available for objects that can have MultiWave lines deleted.*
- 6 If desired, click the Delete MultiWave Line icon  again and repeat.

## Break Apart


Use Break Apart  to break apart a fill area with a border into a separate line and fill area.

Use this feature to duplicate individual parts of an area, or for fine adjustments. For example, use it to change the stitch length of an Appliqué placement line from the default of 2.0mm.

#### Shortcut

- Keys: Alt, E, B

### Break Apart an Area with a Border into a Line and a Fill

- 1 Click the Edit tab.
- 2 Click on a fill area with a border.  
*Note that in the FilmStrip the area is listed as a single item, e.g. Pattern Fill.*
- 3 Click Break Apart . The selected area will be separated into a fill and a line, together with color commands if the line is a different color.
- 4 If desired, select another fill area and click Break Apart again to repeat the process.

## Reverse Functions

### Reverse Column End to End

Reverse the order of all the points defining a column so that the start becomes the end, and vice versa.

*This option is only available when a column is selected.*

#### Shortcut

- Keys: Alt, E, R, E

### Reverse Column Side to Side

Swap each pair of points within a column.

Thus, if a column started with a left point and ended with a right point, then all right points would be swapped to become left points. The column would then start on the right and end on the left.

*This option is only available when a column is selected.*

#### Shortcut

- Keys: Alt, E, R, S

### Reverse Line

Reverse the order of the points defining a line so that the start becomes the end, and vice versa.

*This option is only available when a line is selected.*

#### Shortcut

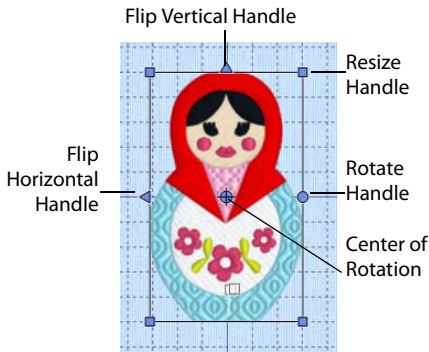
- Keys: Alt, E, R, L

## Select a Block of Objects






The select functions on the Home tab allow you to select a block of objects. A selected block of objects can be resized, rotated, mirrored, moved, copied and cut. You may find it

easier to select a block when you have selected colors to display and/or changed the range of objects that are visible.

When a block has been selected, it has a selection box around it on the work area. The selection box has blue handles which are used to resize, rotate and flip the block.



*The handles are blue because you can freely manipulate the selection without changing density or stitch length in the objects. This is because the stitches are only generated when you use Export Embroidery.*

Click and drag inside the block to move it. Click and drag the square corner handles  to resize the block. Hold down the Ctrl key as you click and drag to resize proportionally. Hold down Shift to resize from the center. Click and drag the round rotate handle  to rotate the block freely. Click and drag the center of rotation  to rotate around a different point. Click the triangular handles to flip the block horizontally  or vertically .

*When making a selection, only objects that are completely enclosed by the selection line will be included in the selection. You will often need to cross Running stitches to make a selection. These objects would not be included because you have not completely enclosed them.*


## Inserting or Pasting a Block

When a new selection is added to a design by paste or one of the insert functions, it is automatically selected as the current block and Box Select is activated.

## Deselecting a Block


Click the work area outside a block to deselect it. The selection box around the block will disappear. Right-click to deselect a block and also turn off the current select function.

## Select Last Visible


Use Select Last Visible  on the FilmStrip to select the last object that has not been hidden by Color Select, any of the object Filters, or the End slider.



*Use Select Last Visible to ensure that new objects that you create appear at the end of your design.*

## Shortcut

■ FilmStrip: 


## Box Select

With Box Select , click and drag to draw a rectangle around the area you want to select. When you lift the pen or release the mouse button, the block will show you the extent of your selection. Right-click to deselect. Only objects that are completely enclosed by the selection line will be selected.


Use Add to Selection  with any select function to increase the area of selected objects, or use Remove From Selection  to make the currently selected area smaller.

Box Select is also activated automatically when a block is pasted into a design.




### Shortcuts



- Home Tab, Select; Status Bar: 
- Keys: Alt, H, B

### Use Box Select


- 1 If desired, use the FilmStrip, Draw Range sliders, Filters and color worksheet to hide objects so that it is easier to see the required objects.
- 2 Click the Box Select icon .
- 3 Click and drag to draw a rectangle around the required objects.
- 4 Lift the pen or release the mouse button when the required objects are enclosed. They will become the current selection, indicated by a rectangle with blue handles.
- 5 If you want to make a new selection, click outside the current selection to deselect it. Then draw a new box around the required objects.
- 6 Right-click to cancel the Box Select tool, which will also deselect any selected objects.

## Freehand Point Select



With Freehand Point Select , click a series of points to create an irregular outline of straight or curved lines around the desired area. Click Freehand Point Select and the pointer changes to the Freehand point select pointer . Click a series of points to create an irregular outline of straight or curved lines around the desired area, using Ctrl+click to place a square (straight line) point. Click and drag  to reposition an existing point. Click Delete to remove the last-placed point. Right-click when the area is complete. The selection box will show you the extent of the block. Freehand Point Select may be easier to use than Freehand Select for precise selections. Click to deselect. Only objects that are completely enclosed by the selection line will be selected.

Use Add to Selection  with any select function to increase the area of selected objects, or use Remove From Selection  to make the currently selected area smaller.



### Shortcuts

- Home Tab, Select; Status Bar: 
- Keys: Alt, H, FP


### Use Freehand Point Select



- 1 If desired, use the FilmStrip, Draw Range sliders, Hide Object Types buttons and color worksheet to hide objects so that it is easier to see the required objects.
- 2 Click Freehand Point Select . The pointer changes to the Freehand Point pointer .
- 3 Click to place the first point for the selection. A yellow node appears.




- 4 Click to place a series of points around the desired area.  
*As you click the third point on the line, the line becomes closed (it becomes a loop). As you place more points the line adjusts itself.*  
*The line may 'swing' while you place points. Just carry on, you can adjust it afterwards.*
- 5 Use Ctrl+click to place square nodes for straight lines.
- 6 Move the pointer over one of the nodes on the line. The pointer changes to the Move Node pointer . Adjust the node as desired.  
*When the Move Node pointer is active you can adjust existing nodes.*  
*If you click while the Freehand Point pointer  is active, another point will be added to the line.*
- 7 When your line is as desired, right-click to surround the area with a selection box.
- 8 Right-click to deselect Freehand Point Select.

## Freehand Select


With Freehand Select , click and drag to draw an irregular outline around the desired area. When you lift the pen or release the mouse button, the area is closed automatically with a straight line between the last pointer position and the start position. The block will show you the extent of your selection. Right-click to deselect. Only objects that are completely enclosed by the selection line will be selected.

Use Add to Selection  with any select function to increase the area of selected objects, or use Remove From Selection  to make the currently selected area smaller.


### Shortcuts

- Home Tab, Select; Status Bar: 
- Keys: Alt, H, FS


## Use Freehand Select

- 1 If desired, use the FilmStrip, Draw Range sliders, Hide Object Types buttons and color worksheet to hide objects so that it is easier to see the required objects.
- 2 Click the Freehand Select icon .
- 3 Click and drag to draw a line around the required objects. The objects inside the line will become the current selection, indicated by a rectangle with blue handles.
- 4 The line is closed automatically in a straight line between your start point and end point. If you are not close enough to your start point then you could leave out some desired objects by accident.
- 5 If you want to make a new selection, click outside the current selection to deselect it. Then draw a new line around the required objects.
- 6 Right-click to cancel the Freehand Select tool, which will also deselect any selected objects.



## Select All Visible

Select All Visible  is a one-click function that selects all visible objects in the design. Right-click to deselect.


### Shortcuts

- Home Tab, Select; Status Bar: 
- Keys: Alt, H, SA

## Use Select All Visible


- 1 Use the FilmStrip, Draw Range sliders, Hide Object Types buttons and color worksheet to hide objects so that only the required objects are visible. Alternatively, for selecting a single object for adjustment, click the desired object in the FilmStrip, either right-click the FilmStrip and click Display Only Selected so that only the chosen object is visible, or click Only Selected  in the Edit tab.
- 2 Click the Select All Visible  icon.
- 3 The currently visible objects will become the current selection, indicated by a rectangle with blue handles.
- 4 Right-click to cancel the Select All Visible tool, which will also deselect any selected objects.

## Select None

Use Select None  to deselect all of the objects in the work area, including any outside the hoop.

Use the color worksheet and the Draw Range to select which objects are visible in the current design. This is useful to isolate particular objects, especially if they are more than one color, or you only wish to apply a function to part of an area.




### Shortcuts

- Home Tab, Select; Status Bar: 
- Keys: Alt, H, SN


## Replace Selection

Use Replace Selection  to replace the currently selected objects with the new selection.


## Replace a Selection

- 1 Place several objects on the work area.
- 2 Use Box Select  (or another of the selection tools) to select some of these objects.
- 3 With Replace Selection  selected, click Box Select  and select some different objects.  
*The new selection replaces your old selection.*




### Shortcuts

- Home Tab, Select: 
- Keys: Alt, H, RS


## Add To Selection

Use Add to Selection  to add the new selection to the currently selected objects.


## Add to a Selection

- 1 Place several objects on the work area.
- 2 Use Box Select  (or another of the selection tools) to select some of these objects.
- 3 With Add to Selection  selected, click Box Select  and select some different objects.  
*The new selection is added to your old selection.*




### Shortcuts

- Home Tab, Select: 
- Keys: Alt, H, A


## Remove From Selection

Use Remove from Selection  to remove the new selection from the currently selected objects.

### Remove from a Selection

- 1 Place several objects on the work area.
- 2 Use Box Select  (or another of the selection tools) to select some of these objects.
- 3 With Remove From Selection  selected, click Box Select  and select some of the objects within your selection.  
*The new selection is removed from your old selection.*

### Shortcuts

- Home Tab, Select: 
- Keys: Alt, H, RF


## Multiple Select and Groups

### Multiple Select

Use multiple select to select more than one object at a time.



In the FilmStrip, hold down the Ctrl key and click the desired objects. A selection box will be placed around the selected objects. Alternatively, use one of the multiple select tools in the Select area.

The selected objects are surrounded by a selection box with a solid outline, and blue handles. Lettering, SuperDesigns and inserted embroideries retain their orange (Group) handles. The whole selection can be scaled, rotated and mirrored.


*If you click outside the selection box, the designs will become separate. Use Undo , or select them again to recreate the multiple selection.*

### Grouping Selected Objects


In PREMIER+™ 2 Create, you can edit objects individually, in a selected block, or in groups which remain as a selection after saving. To reshape or change the properties of an individual object inside a group, select it on the FilmStrip.

*When a design including groups is loaded using Insert  or Open , all sections will be grouped together, ready for moving, resizing and so on.*

## Group

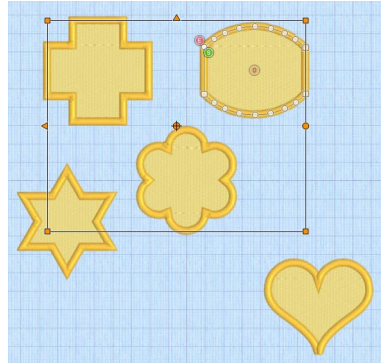
Use Group  to make a more permanent group of all the currently selected objects. Use Group to group the objects permanently, or to make a temporary Group while moving or editing them.

*A group can be modified in the same way as a selection. You can move, resize, mirror and rotate it.*


Group  can only be used in conjunction with one of the selection tools.

The grouped objects are surrounded by a selection box with a solid outline, and orange handles. The group can be scaled, rotated and mirrored.


*If you click outside the selection box, and then click one of the objects within the group, the objects will still be grouped.*



### Shortcuts


- Home Tab, Group: 
- Keys: Alt, H, G; Right-click FilmStrip, G

## Ungroup


Use Ungroup  to split the currently selected group into the objects which make it up.

*Ungroup can only be used when a group is selected.*

### Shortcuts


- Home Tab, Group: 
- Keys: Alt, H, U; Right-click FilmStrip, N

## Select Similar from Visible


Use Select Similar from Visible  to select all visible objects with similar properties (i.e. the same name in the FilmStrip); for example, select all Radial Fill areas, or all Satin Lines.

It will select all Pattern Fills, whether or not they have a border, but not select Pattern Fill Appliqué areas at the same time as Pattern Fill.

### Shortcuts


- Edit Tab; FilmStrip Context Menu: 
- Keys: Alt, E, M, V; Right-click FilmStrip, V

## Select Similar from Group

Use Select Similar from Group  to select all objects with similar properties (i.e. the same name in the FilmStrip) that are in the same Group.

*Objects with similar properties that are in a different Group, or in no Group will not be selected.*

## Shortcuts

- Edit Tab; FilmStrip Context Menu: 
- Keys: Alt, E, M, G; Right-click FilmStrip, U

# Modify a Block of Objects

## Move a Block of Objects

Move a selected block using click and drag, or nudge. Click inside the block and drag it to the required position, or use the arrow keys to nudge it into place. When a block is moved, movement stitches are inserted before and after the block to connect it to the previous and following objects.

*If you accidentally move the center of rotation, simply click and drag inside the selection box again.*

## How To Move a Block of Objects

- 1 Click anywhere inside the selection and drag it to the required position. The rectangle around the selection will be dragged with the pointer.
- 2 Lift the pen or release the mouse button to drop the selection in place. The selected objects will be redrawn in their new location.
- 3 Alternatively, use the arrow keys to nudge the selection into position, then click outside the block to place it.
- 4 When you move a selection, you may sometimes move the center of rotation by accident. Simply release the center of rotation, then click and drag the selection as usual. The center of rotation will snap back to the center of the selection when you drop the selection in its new position.

## Resize a Block of Objects

Click and drag one of the blue square corner handles to resize. Hold down Ctrl as you click and drag to resize proportionally.

## How To Resize a Block of Objects

- 1 If you want to keep the selected objects in proportion, hold down the Ctrl key.
- 2 Click and drag any of the square resize handles.
- 3 Lift the pen or release the mouse button, and then release the Ctrl key if you used that to keep the proportions. The selection will be redrawn at its new size.

## Mirror a Block of Objects

Mirror a block of stitches vertically or horizontally using the blue flip handles on the block selection box.

### Horizontally Flip Block

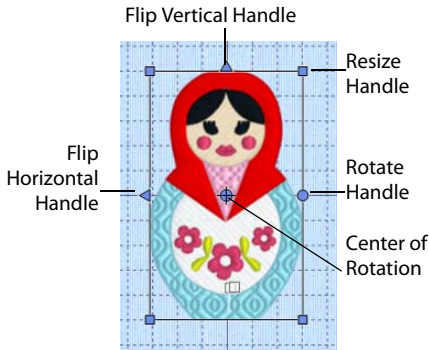
Click the Flip Horizontal handle  to mirror a block horizontally.

### Vertically Flip Block

Click the Flip Vertical handle  to mirror a block vertically.

## Rotate a Block of Objects


Click and drag the rotation handle to rotate the block freely to any angle.



If desired, move the center of rotation before rotating the block.



The selection box around the block is rotated around the center of rotation. The block will be redrawn in its new position.

### Move the Center of Rotation


The center of rotation  is initially shown in the middle of the block. Click on or within the center of rotation, then drag it to any position in the design. This changes the pivot point around which the block rotates.

*When the block is moved or resized, the center of rotation is returned to the center of the block.*


## Rotate 45 Degrees

Use Rotate 45  to rotate the selected block of objects in 45 degree steps. If desired, move the center of rotation  before rotating.

### Shortcuts


- Home Tab: 
- Keys: Alt, H, R4

## Modify Block


Use Modify Block  to open the Modify Block dialog, where you can show and change the size, rotation and skew of the currently selected block.

*If no objects are selected, the whole design will be modified.*

### Shortcuts

- Tools, Home Tab: 
- Keys: Alt, H, M, M

# Modify Block


Use the Modify Block  dialog box to show and change the size and rotation of the currently selected block.

Modify the currently selected block as desired, then click OK to show your changes in the work area.

Click Undo  to reverse your changes.

## Size

### Height and Width %

Show and change the height  and width  percentage of the currently selected block.

The size in millimeters to which the block will be changed is shown to the right.


### Proportional

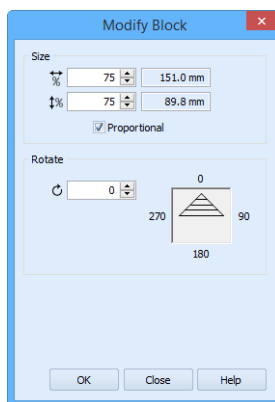
Use this option to keep the relative Height and Width in proportion when either is changed.

## Rotate







### Angle

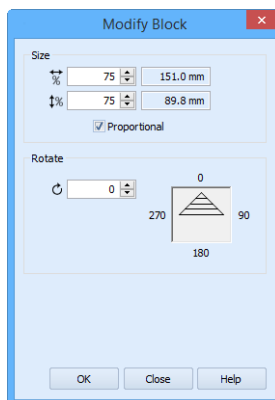
Enter an angle, from 0 to 359 degrees, in the Angle box. The preview shows the selected angle.

If desired, move the center of rotation  before rotating.




## Resize a Bicycle Design

- 1 Click File, New , or File, New Window , and in the Choose Design Type page of the ExpressDesign Wizard select Load Existing Design, then click Next. In the Open Existing design page, click Load a Design , browse to the folder Documents\Premier+2\Samples\Create\Edo, and load the file 'Bicycle'.
- 2 Ensure the Home tab is selected, and click Box Select .
- 3 Click and drag to draw a rectangle around the bicycle.
- 4 Release the mouse button and the bicycle is surrounded by a selection box with blue handles.  
*The blue handles indicate that when the size of the design is changed it will be resized. The stitches are recalculated to maintain the original density.*
- 5 Note the number of stitches in the design. You can see this in the Information area on the Design panel.
- 6 Click Modify Block . The Modify Block dialog box appears.
- 7 In the Size section, ensure Proportional is checked, then change Height percentage  to 75%.  
*The Width percentage will increase by the same amount.*
- 8 Click OK. The bicycle decreases in size, and the number of stitches is reduced from 23606 to approximately 17842.
- 9 Left-click outside the select box to deselect the design.




## Scale to Fit Hoop


Use Scale to Fit Hoop  to resize the design in the work area proportionally, to fit within the boundaries of the hoop, centered in the hoop. This is useful to resize a whole design to fit in a different hoop, although you need to consider whether to change settings or stitch types. For example, if you enlarge a design, it may be beneficial to add a pattern to wide satin columns.


*The whole design will be resized, including hidden areas.*

### Shortcuts

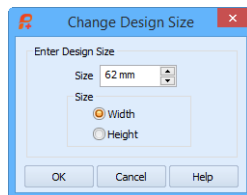
- Home Tab, Modify Block: 
- Keys: Alt, H, M, S

## Change Design Size

Use the Change Design Size  dialog box to alter a design automatically to a new size, allowing for the stitch objects used. Resize the design to the desired width or height, then click OK to show your changes in the work area.

Click Undo  to reverse your changes.

It is not possible to resize the design to a size greater than the selected hoop. If a larger size is entered, the design will be scaled to fit the selected hoop, and a warning message displayed. To enlarge the design more, select a bigger hoop before using Change Design Size.




### Size

Enter the desired Width or Height in millimeters.

Select Width or Height to select the dimension to use when resizing.


### Shortcuts


- Home Tab, Modify Block: 
- Keys: Alt, H, M, C

## Cut, Copy and Paste Objects

Once objects have been selected with Box Select, Freehand Point Select, Freehand Select or Select All Visible, they can be cut and copied. Only objects that are completely enclosed by the selection line will be selected. The selection of objects on the clipboard can be pasted as many times as desired in the Design window, or into a separate PREMIER+™ 2 Create window.


## Cut a Block of Objects

Use Cut  to cut out the selected objects and place them on the clipboard. The selection can then be pasted back in.


Use Delete  to remove a block of objects from the design. See "Delete" on page 390.



## Shortcuts


- Home Tab: 
- Keys: Ctrl + X; Alt, H, CU; Right-click FilmStrip, T

## Copy


Use Copy  to Copy the selected objects to the clipboard, without affecting the current selection. The selection can then be pasted back in. If no objects are selected, the whole design will be copied.

*Use Copy Embroidery to copy the whole design to another PREMIER+™ 2 Embroidery System module.*



## Shortcuts

- Home Tab: 
- Keys: Ctrl + C; Alt, H, CO; Right-click FilmStrip, C


## Paste a Block of Objects

Use Paste  in the Home tab to paste the objects on the clipboard back into the design, or into a separate PREMIER+™ 2 Create window. The first object in the block is placed in the same position on the work area after the selected object or the last visible object in the design.


Color Changes are only transferred if they are within the copied block. If there are no Color Changes in a pasted block then all the objects will use the thread color already in use where the block is pasted.

*Embroideries that have been copied from other PREMIER+™ 2 Embroidery System modules may not be pasted into PREMIER+™ 2 Create, because they are not copied as objects. However, you may use Insert Embroidery  to import embroideries from other PREMIER+™ 2 Embroidery System modules, and you can move a design from PREMIER+™ 2 Create to another PREMIER+™ 2 Embroidery System module with Copy Embroidery .*

## Shortcuts


- Home Tab, Paste drop-down: 
- Keys: Ctrl + V; Alt, H, PA; Right-click FilmStrip, P

## Paste Into Center

Use Paste, Paste Into Center  in the Home tab to paste the objects on the clipboard into the center of the work area. The first object in the block is placed after the selected object or the last visible object in the design.

*Color Changes are only transferred if they are within the copied block. If there are no Color Changes in a pasted block then all the objects will use the thread color already in use where the block is pasted.*

## Shortcuts

- Home Tab, Paste drop-down: 
- Keys: Ctrl + Shift + V; Alt, H, P, PI

## Paste and Replace

Use Paste and Replace in the Home tab Paste drop-down to paste the objects on the clipboard, replacing the currently selected objects.

*Color Changes are only transferred if they are within the copied block. If there are no Color Changes in a pasted block then all the objects will use the thread color already in use where the block is pasted.*

### Shortcuts

- Home Tab, Paste drop-down
- Keys: Alt, H, P, PR

## Paste Into Window

Use Paste Into Window in the Home tab Paste drop-down to paste the objects on the clipboard into a new window.

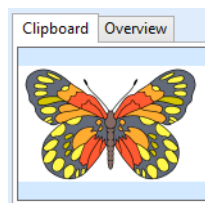
*Color Changes are only transferred if they are within the copied block. If there are no Color Changes in a pasted block then all the objects will use the default thread color.*

### Shortcuts


- Home Tab, Paste drop-down
- Keys: Alt, H, P, PW

## Clipboard Block

When objects are copied they are placed on the Clipboard Block (usually called the clipboard). The selection of objects on the clipboard can be pasted as many times as desired within PREMIER+™ 2 Create.



## Duplicate

Use Duplicate  to make a copy of the selected objects, which is automatically pasted on the work area below and to the right of the original and after the selected objects in the stitch sequence.

### Shortcuts



- Home Tab: 
- Keys: Alt, H, DU; Right-click FilmStrip, I

## Insert Embroidery

Use Insert Embroidery  to insert any embroidery into the current design.

*To insert an .edo or .can design outline file, use Insert . See "Insert" on page 222.*

An inserted embroidery is automatically converted to stitch objects and placed as a group. The first object in the group is placed after the selected object or the last visible object in the design. The group can be moved, resized, mirrored, rotated, copied or cut. Embroideries are inserted at the size they were created.


To open an embroidery as a design, use **File, New**  to start a design with no picture, and **Insert Embroidery**  to convert an embroidery to a design.

To see the name of an embroidery, position the arrow pointer over the desired thumbnail. A label showing the file name will appear.


The following embroidery file formats may be loaded: Bernina (.art version 1, 2, 3), Brother/Baby Lock/Bernina PEC (.pec), Brother/Baby Lock/Bernina PES (.pes version 2 - 10), Compucon/Singer PSW (.xxx), Husqvarna Viking / Pfaff (.vp4, .vp3 and .vip), Husqvarna (.hus, .shv and .dhv), Janome (.jef and .sew), Melco (.exp), Pfaff (.pcs), Tajima (.dst) and Toyota (.10\*).

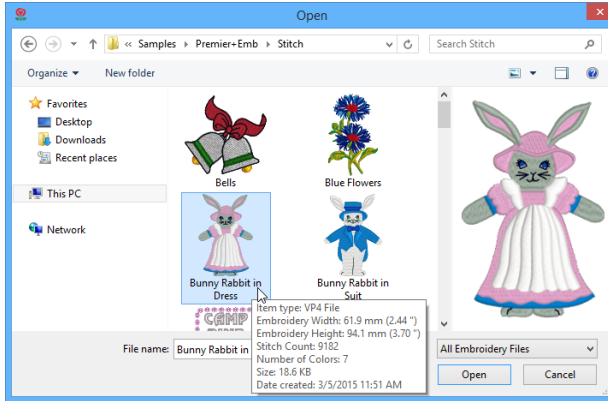
Files that hold color information, such as .vp4, .vp3, .vip, .hus, .shv, .dhv, .pcs, .pes, .jef, .sew and .xxx, are shown in the nearest match to the colors in which they were created for the selected Thread Range (set in PREMIER+™ 2 Configure). For files that do not store colors, such as .dst, .exp and .10?, the embroidery will be shown in a default color sequence.

## Shortcuts


- Home Tab: 
- Keys: Alt, H, IE

## How to Insert an Embroidery


- 1 Click the Insert Embroidery icon . The Open dialog box will appear.
- 2 Browse to the desired embroideries folder.
- 3 Use the scroll bars to view all the embroideries within the folder.
- 4 Click on an embroidery to select it, then click Open to insert the embroidery into the work area.

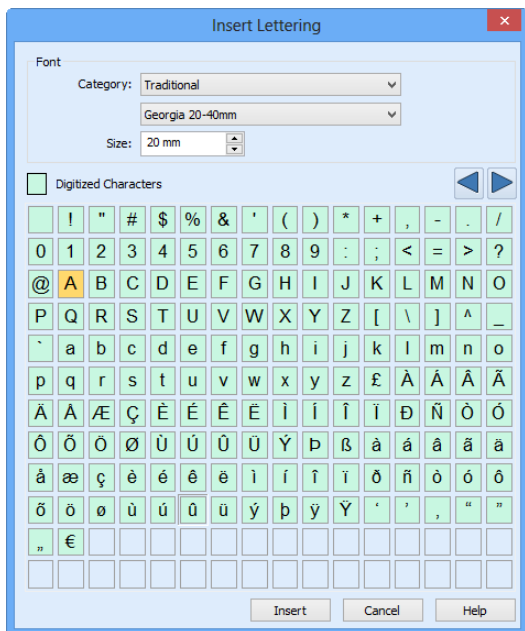


The embroidery is converted to a group of objects and placed in the center of the work area.


Use **Ctrl + click** in the Open dialog box to insert multiple embroideries. Each embroidery will be inserted as a separate group. Use **Display Group Contents**  to view the inserted groups.

# Insert Lettering


Use Insert Lettering  to insert lettering from any PREMIER+™ 2 Embroidery System font into the current design. The first object in the inserted character is placed after the selected object or the last visible object in the design. The character is also placed as a group so that it can be moved, resized, mirrored, rotated, copied or cut. Characters are inserted at the selected size relative to the 'A' character in the font.




## Shortcuts

- Home Tab: 
- Keys: Alt, H, IL

## Insert Lettering in a Design

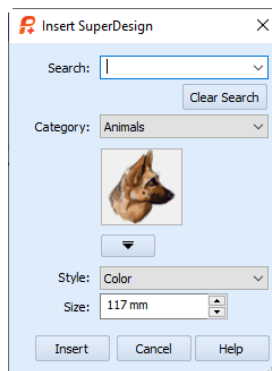
- 1 In the Home tab click the Insert Lettering icon  and the Insert Lettering dialog box will appear.
- 2 Click the drop-down arrow next to the font Category and select the desired category.
- 3 Click the drop-down arrow next to the font name and select the desired font. The available characters in the font will be highlighted in the table.  
*Only characters that have been created for the font may be selected.*
- 4 Click the desired character and it will be shown highlighted.
- 5 Click Insert. The character will appear on the work area as a group, so you can adjust it as desired.  
*Alternatively, double-click to insert the character.*
- 6 Repeat to place additional characters as desired.  
*Subsequent characters are placed to the right of the previous character, creating a line of text that can be selected, moved and adjusted as desired.*

# Insert SuperDesign


Use Insert SuperDesign  to insert a SuperDesign from the SuperDesign sets available in PREMIER+™ 2 Create. SuperDesigns are special designs that can be resized with constant stitch density. Some SuperDesigns are multicolored, and the stitch type and style for many can be changed. Alter the size, proportions, stitch type and thread color.

Choose a Style for certain SuperDesign sets, for example the Animals 1 set contains Natural, Sepia and Line styles.


*SuperDesign sets are grouped into categories. Each set contains 9 SuperDesigns. The SuperDesign gallery shows thumbnails of all the SuperDesigns in the currently selected SuperDesign set.*



## Shortcuts

- Home Tab: 
- Keys: Alt, H, IS

## Insert a SuperDesign

- 1 In the Home tab, click Insert SuperDesign . The Insert SuperDesign dialog box opens.
- 2 Search for a SuperDesign in the Search box (see “Search for a SuperDesign” on page 417), or choose a SuperDesign Category from the drop-down Category menu. The preview will show the first design set in that category.  
*Select a single Category, or browse All categories.*
- 3 Click the drop-down arrow below the Category list, and choose a SuperDesign set, then click a design to select it.
- 4 Set the Size in millimeters as desired, from 5mm to 200mm. This sets the height of the SuperDesign, and the width is set proportionally.
- 5 Click Insert. The SuperDesign is inserted in the work area as a Group, leaving any existing SuperDesigns unchanged.


## Search

You can search for a SuperDesign by name, folder name, or keyword.

Enter the desired text in the Search box and press Enter. Click Clear Search to remove the search text, and use the drop-down menu to reuse previous searches.

*Click Clear Search before browsing SuperDesigns by Category.*

## Search for a SuperDesign

- 1 In the Home tab, click Insert SuperDesign  to open the Insert SuperDesign dialog box.
- 2 Enter a search term in the Search box, for example ‘christmas’, and press Enter. A gallery of search results appears by the pointer.
- 3 Scroll down to view all of the Christmas designs. Alternatively, click the drop-down menu in the dialog box to view the Christmas designs.  
*These are from Christmas categories, and single designs with a Christmas theme.*
- 4 Note that the SuperDesign Category drop-down menu is not available. Click the Clear Search button below the Search box. The most recently used category becomes available.
- 5 In the Search box enter ‘dog’, then press Enter.

Besides 18 household pets, there are also three pictures of a sausage in a roll (a hotdog). Searching may sometimes produce unexpected results!

6 Click the Clear Search button to return to Category view.

7 In the Search box enter 'lion', then press Enter. There are ten different Lion designs.

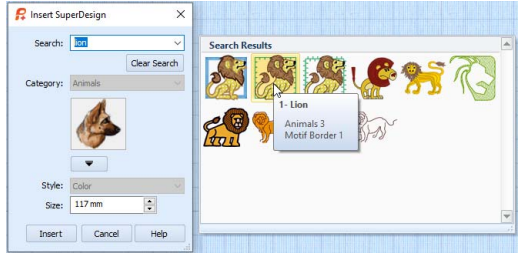
8 Place the pointer over the first four lions in turn.

*The first three are part of the Animals set in the Appliqué Category, and the fourth is from Tassels. They are all named Lion. You can search on Category or SuperDesign name.*

9 Place the pointer over the last six lions.

*All of these lions are from Zodiac, and are named Leo. The term "Lion" is from the keywords for these SuperDesigns.*

10 Click to select the first Leo, then click Insert. The lion is inserted as a group in the work area. *The Search function finds all varieties of a particular SuperDesign, there is no need to click the Style option for a SuperDesign set individually when using Search. In the example above, the appliqué lions using Satin Line, and the two styles of Motif Line are found.*



## Insert ExpressDesign



Use Insert ExpressDesign  to create a new design in the ExpressDesign Wizard. Use ExpressDesign into Rectangle  to create a new design that is a best-fit to a rectangular area you draw, and use ExpressDesign into Hoop  to create a new design that is a best-fit to the currently selected hoop.

*Insert ExpressDesign is used to add new design elements to an existing design, but can also be used to create the first part of a new design, or used repeatedly to compose a design from elements created in the ExpressDesign Wizard.*

See "Insert ExpressDesign" on page 53.

# Notes and Settings

## Notes

Click Notes  to display the Notes, then click Edit  to change the Notes for the currently selected design. The Notes dialog will appear.

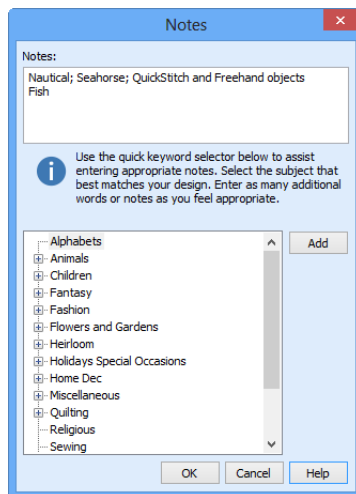
The Notes dialog allows free text and keywords to be added to the Notes for the selected design. Type additional Notes in the Notes box.

Use Ctrl+Enter to start a new line of text.



Up to 2000 characters can be entered in the Notes.

## Keywords



Select Keywords for the design from the list, then click Add to add them to the Notes for the design.



## Add Notes to a Design


- 1 Click Notes . The Notes are selected in the Notes and Settings pane.
- 2 To edit the Notes, click Edit .
- 3 In the Notes text box make your desired changes to the Notes.  
*Use Ctrl+Enter to start a new line of text.*
- 4 To add Keywords, select the keyword from the category heading or subcategory in the scrolling list. Then click Add.  
*Double-click to expand the folders until the desired keyword is highlighted. (Alternatively click on the + sign.)*
- 5 Click OK to save your amended Notes and added keywords.

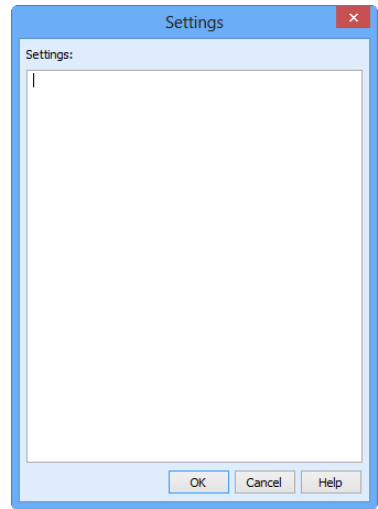
## Settings

Click Settings  to display the Settings, then click Edit  to change the Settings for the currently selected design. The Settings dialog will appear.



Use Ctrl+Enter to start a new line of text.

Up to 2000 characters can be entered in the Settings.

*When you wish to store the settings for an area, use the 'Show a text summary for these options'  option on the Favorites tab of the Fill Area and Line properties dialog. Use Ctrl + C and Ctrl + V to Copy and Paste the text to the Settings dialog.*





## Add Settings Information to a Design

- 1 Select the design for which you want to amend the settings. The design will be highlighted.
- 2 Click Settings .
- 3 Click Edit .
- 4 In the Settings text box make your desired changes to the Settings.  
*Use Ctrl+Enter to start a new line of text.*
- 5 Click OK to save your amended Settings.

## Undo and Redo


### Undo

Use Undo  to reverse the last action. Unlimited Undos are possible except in the Paint window, where there is a maximum of 10. Every time you click on Undo, the previous action is reversed. If you are not satisfied with the result of the Undo, click Redo.


To remove an area that was not the last created, select it, then click Delete .

*The Zoom commands cannot be reversed using Undo.*


### Shortcuts

- Quick Access Toolbar: 
- Keys: Ctrl + Z

### Redo

Use Redo  to reverse the last action that was undone by Undo. If you are not satisfied with the result of the Redo, click Undo.

### Shortcuts

- Quick Access Toolbar: 
- Keys: Ctrl + Y



# Fill and Satin Patterns

Set the Fill Pattern number for fill areas, satin areas and columns. When a pattern fill area is first created, for example by converting from another stitch type, the initial setting is pattern 3. Standard satin uses Pattern 0, which is not available for Pattern Fill areas.

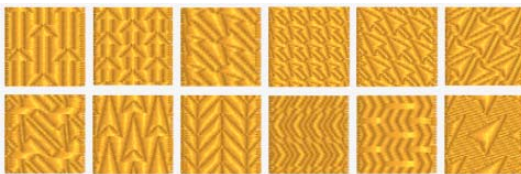
*Patterns in categories other than Standard are recommended for use in relatively large fill areas, as they have repeating patterns which work well when 'tiled' together. Pattern 36 produces a 'satin effect' fill stitch. The first four patterns in the Gradient & Lace category (253-256) are recommended for multicolor gradient. Patterns 257 to 264 provide banded fill patterns that combine with crosshatch parallel fills to create a weave effect for lace designs. Set Spacing for the parallel fill at 2.4mm to combine with Pattern 257, 2.8mm to combine with Pattern 258, and so on.*

*For a complete reference to all the fill patterns that can be used, see the Fill Patterns Sample Guide. This is provided as a PDF for viewing and printing.*

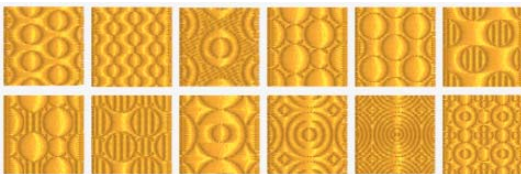
Animals 1 — Patterns 37 to 48



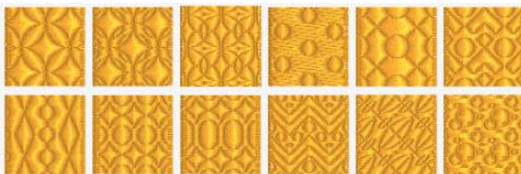
Arrows — Patterns 49 to 60



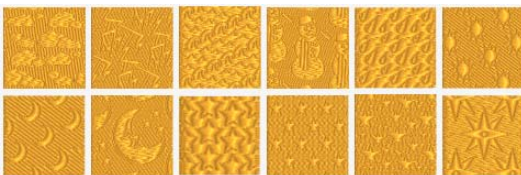
Circles 1 — Patterns 61 to 72



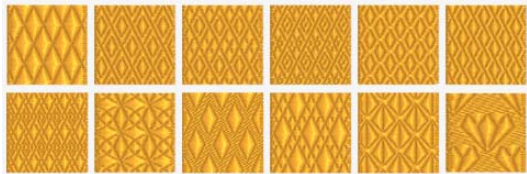
Circles 2 — Patterns 73 to 84



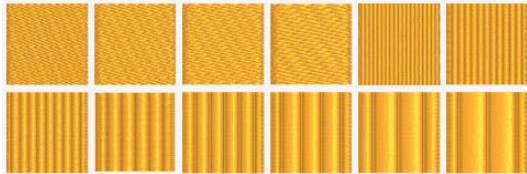
Climate — Patterns 85 to 96



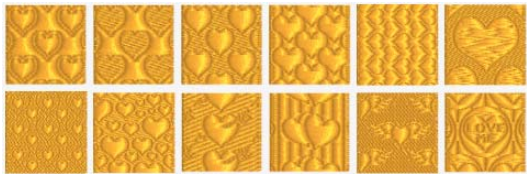
Diamonds — Patterns 97 to 108



Gradient & Lace —  
Patterns 253 to 264



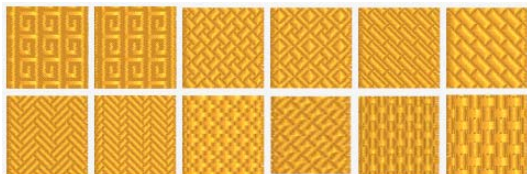
Hearts — Patterns 109 to 120



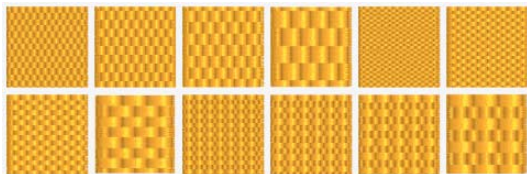
Leisure 1 — Patterns 121 to 132



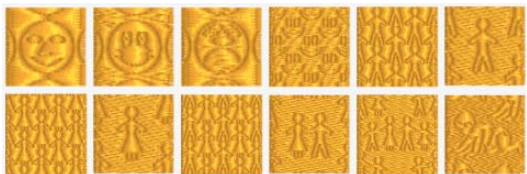
Mosaic 1 — Patterns 133 to 144



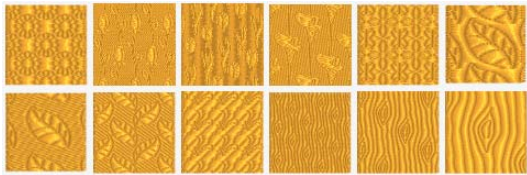
Mosaic 2 — Patterns 265 to 276



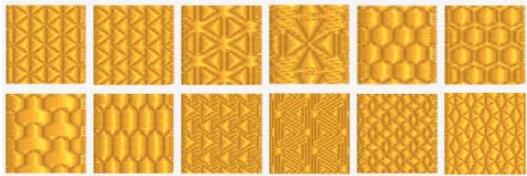
People — Patterns 145 to 156



Plants & Flowers 1 —  
Patterns 157 to 168



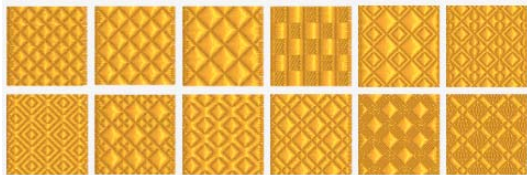
Polygons — Patterns 169 to 180



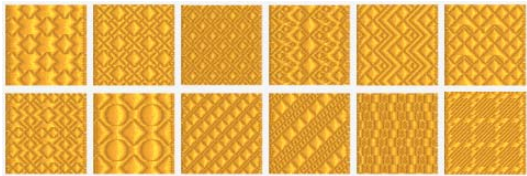
Rope & Chains —  
Patterns 181 to 192



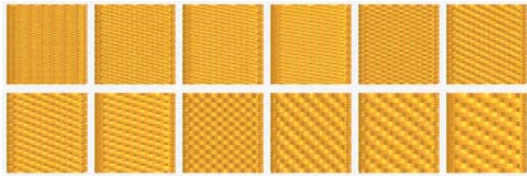
Squares 1 — Patterns 193 to 204



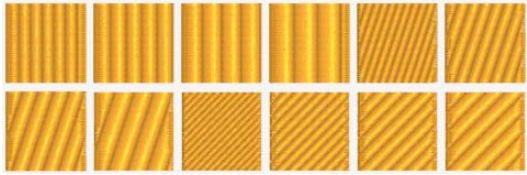
Squares 2 — Patterns 205 to 216



Standard 1 — Patterns 1 to 12



Standard 2 — Patterns 13 to 24





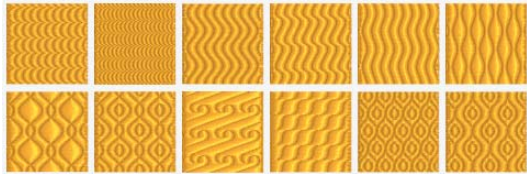
Standard 3 — Patterns 25 to 36



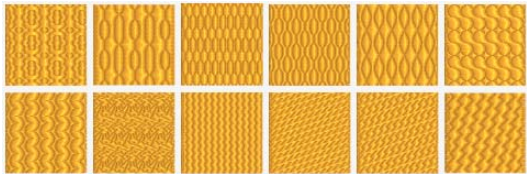
Transport — Patterns 217 to 228




Waves 1 — Patterns 229 to 240



Waves 2 — Patterns 241 to 252



Use Preferences  to set stitch length for single and motif stitches, and color tolerance and screen options. When these are changed, the new settings will be remembered when PREMIER+™ 2 Create is closed and reopened.

☒ Color Tolerance

Single Stitches

☐ Break Up

Maximum Stitch Length:

Creating Stitches

☒ Tie Off Before and After Trims

Minimum Gap to Add Trim:

Maximum Stitch Length for Motif:

Felting Needle Color Effect

☒ Break Up

Stitch Length:

## Shortcut

File Menu: 

## General Preferences

Choose whether or not to use color tolerance, and the stitch length for single stitches when broken up.

### Color Tolerance

Selecting the Color Tolerance option causes the Color Tolerance dialog to appear when any of the QuickStitch™ or QuickTrace functions are used. It allows parts of a picture to be selected for filling or tracing according to how similar they are in color to the chosen color.

This option is initially selected.

### Single Stitches

#### Break Up

Select Break Up to break long Single Stitches into Running Stitches at the length set in Maximum Stitch Length.

#### Maximum Stitch Length

Set the maximum Single Stitch length from 1 to 12mm in steps of 1mm. The initial setting is 6mm.

*Single Stitches will be broken up into stitches of this length, unless the setting is altered in the properties box.*

## Creating Stitches Preferences

Select whether or not to automatically add tie stitches, the maximum stitch length for motifs, and the stitch length for Felting Needle color effects.

### Tie Off Before and After Trims

Select this option to automatically add a tie stitch before and after a Trim.

*When this option is not selected, no ties are automatically added.*

This option is initially selected.

### Minimum Gap to Add Trim

Set the minimum gap between objects to automatically add a trim.

### Maximum Stitch Length for Motif

Set the maximum length of motif stitches used in motifs from 1 to 20mm in steps of 0.1mm. The initial setting is 2mm.

### Felting Needle Color Effect

Set the stitch length for Felting Needle stitches. These settings are used whenever a felting needle color is selected in PREMIER+™ 2 Create.

### Break Up

Break up Felting Needle stitches into a preset minimum length.

### Stitch Length

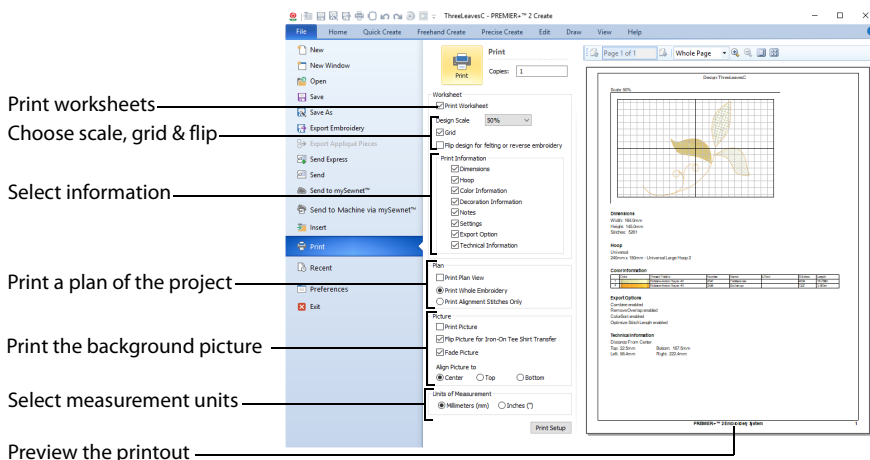
Set the stitch length for Felting Needle stitches from 0.1mm to 6.0mm in steps of 0.1mm. The initial setting is 0.4mm.

In different parts of the program you can print a design template, a picture background, or a drawing.

## Print: Design Window

Use the Print options for the Design window to choose what to print. Any combination of embroidery worksheet, plan view and an individually printed picture can be selected.

The Print Setup button presents a Print Setup dialog box, where you specify the printer and its connection.



At least one of the main print options, **Print Worksheet**, **Print Plan View** or **Print Picture**, must be selected or there will be nothing to print. If none of these options is selected, the **Print** button will be grayed out (unavailable).

## Shortcuts

- QuickAccess Toolbar:

## Print

Click **Print** to open the Print page and print the project. See “Print” on page 431.

## Worksheet

Select whether to print a worksheet, and the information to be printed on the worksheet, such as the Dimensions, Color Information, Notes and Technical Information. In addition, the scale may be altered and a grid turned on or off.

## Print Worksheet

Select this option to print a worksheet for the embroidery. Use the Worksheet Options to alter the appearance and contents of the printed worksheet.

## Design Scale

Select 25%, 50%, 75% or 100% scaling when printing your embroidery. This is how large the embroidery will print compared to the real size of a stitched out embroidery. Use a reduced Design Scale if you want to ensure that the worksheet fits on one page. Use the Print Preview on the right to see how many pages will be printed.

## Grid

This determines whether or not a grid will be printed with the embroidery. If you turn this off you will still get a rectangle representing the hoop.

## Flip design for felting or reverse embroidery

Flip the embroidery for being stitched in reverse, or for felting effects.

## Print Information

This determines what additional information is printed. All items are selected initially.

### Dimensions

The size of the embroidery and the stitch count.

### Hoop

The hoop used for the embroidery.

### Color Information

The sequence of thread colors used and, if available, the thread specification (range and thread number). Stop Commands and their text (where present) are also shown.

### Decoration Information

Information on the decorations used in PREMIER+™ 2 Embroidery Extra, and their size, color and number.

### Notes and Settings

Any notes or settings that are included with the embroidery.

### Export Options

The Export options used for the embroidery, as set in the Export dialog box.

### Technical Information

The distance of each edge of the embroidery from the center of the embroidery.

## Plan

Select whether to print a Plan View, and choose how to print the embroidery when you print the plan view. Use the plan view as a guide for aligning the embroidery to the picture.

### Print Plan View

Select this option to print a plan view of the picture, with either the whole embroidery or the alignment stitches printed over the picture. When stitching out, use the plan view as a guide for aligning the embroidery to the picture.



## Print Whole Embroidery

The whole embroidery will be printed on the plan view. If there are alignment stitches under the embroidery, they may be obscured by the embroidery.

## Print Alignment Stitches Only

Only the alignment stitches (if present) in the first color block in the embroidery will be printed. If the alignment stitches will be obscured by the rest of the embroidery, choose Print Alignment Stitches Only. Otherwise, it is generally better to choose Print Whole Embroidery.

# Picture

## Print Picture

Select this option to print a page that shows only the picture.

When you are ready to print the picture onto printable fabric or an iron-on transfer, select only this option. That is, deselect Print Worksheet and Print Plan View. This is so that you can load your printer with the printable fabric or transfer, without printing the worksheet or plan view first.

The picture can optionally be flipped and/or have the colors faded by 50%.

## Flip Picture for Iron-On Tee Shirt Transfer

Use this option if you are printing onto iron-on transfer paper, instead of printing directly onto the fabric. This is typically used for transferring the picture to a tee-shirt. Using iron-on transfer paper flips the picture, so use this option to flip it back again, ensuring that the picture is correctly orientated when it is ironed onto the tee-shirt.

## Fade Picture

Use this option to fade the picture by 50%, if desired. This will make the threads stitched over the picture stand out.

*Fade Picture affects both the plan view and the individually printed picture.*

## Align Picture To

Use this option to position the printed picture on your printable fabric or transfer paper. If you have a small picture, you can use this option to conserve the printable media by moving the printed picture to the top or bottom of the page. Alternatively, use center alignment to make hooping up easier.

Choose from Center, Top or Bottom. Use Print Preview to verify the size and position if you have already printed on the other part of the media.

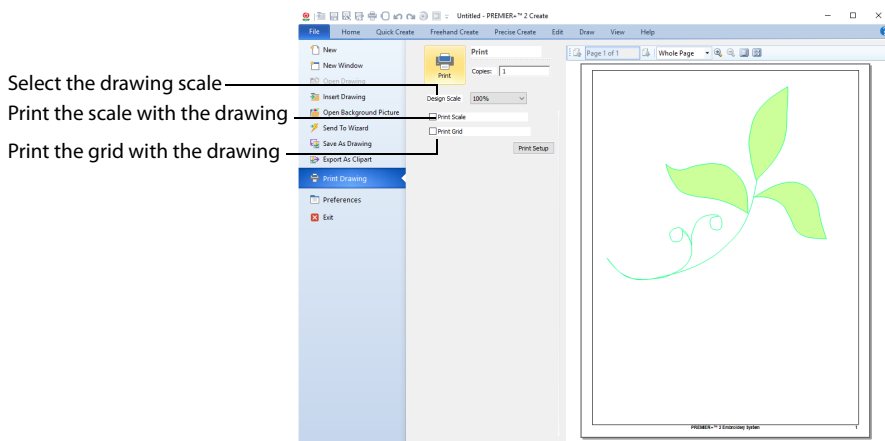
## Units of Measurement

Set the Units of Measurement for the Dimensions and Technical Information to mm or inches, as desired.

## Print Setup

Click the Print Setup button to see the Print Setup dialog box that is used to select the printer, what paper to use and the paper orientation.

## Print: Draw Window



Select whether to alter the scale or turn the grid on or off.

The Print Setup button presents a Print Setup dialog box, where you specify the printer and its connection.

## Shortcuts

- File Tab/Menu: Print Drawing

## Print

Click Print to open the Print page and print the drawing. See "Print" on page 431.

## Design Scale

Select 25%, 50%, 75%, 100%, or Fit to Page scaling when printing your drawing. This is how large the drawing will print compared to the real size of the drawing. Use a reduced Design Scale if you want to ensure that the drawing fits on one page. The preview shows how many pages will be printed.

## Print Scale

This determines whether the design scale will be printed with the drawing.

## Grid

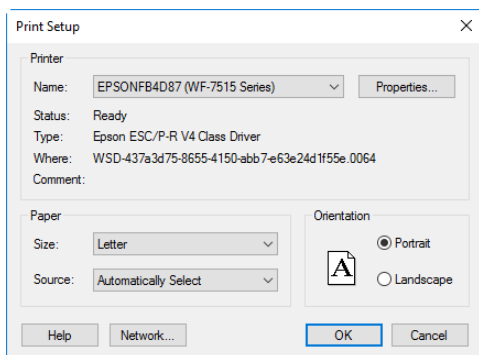
This determines whether or not a grid will be printed with the drawing.

## Print Setup

Click the Print Setup button to see the Print Setup dialog box that is used to select the printer, what paper to use and the paper orientation.

# Print Setup

This is displayed when you click the Print Setup button in the Print dialog box. Use Print Setup to select the destination printer and its connection.



## Printer

Select the printer you want to use.

## Paper Size

Select the size of paper that the embroidery is to be printed on.

## Paper Source

Some printers offer multiple trays for different paper sources. Specify the tray here.

## Orientation

Choose Portrait or Landscape. Generally, you should not need Landscape for the standard hoop sizes as the embroidery is rotated automatically by the print process when you print an embroidery that uses a Rotated hoop.

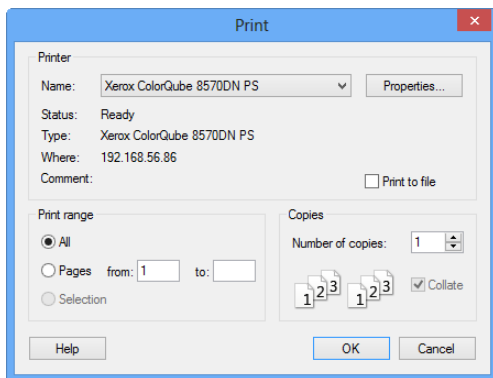
## Properties

Displays a dialog box that provides additional printing choices, specific to the type of printer you have selected.

## Print

Print the embroidery displayed on the PREMIER+™ 2 Create preview. Other information, such as the Dimensions, Color Information, Notes and Technical Information is printed depending on the choices made in Page Setup. The scale may also be altered and a grid turned on or off in Page Setup. If possible, the hoop will be printed with the same orientation as on the screen. If a horizontal hoop is too wide to fit on the paper at the Design Scale chosen in Page Setup then the hoop will be rotated 90 degrees when it is printed.

The Print dialog box appears, where you may specify number of copies, the destination printer, and other printer setup options.



## Printer

Select the printer you want to use.

## Properties

Displays a dialog box where you can make additional choices about printing, specific to the type of printer you have selected.

## Print to File

When this option is checked, you will be prompted for a file name after you click OK. The print job will then be saved with the file name you specify and can be sent to the printer at a later time.

*This is an advanced Windows® printing option.*

## Print Range

Select the range of pages you wish to print.

## Copies

Select the number of Copies you wish to print. If you choose to print more than one copy, you can choose to Collate the copies.

## Error Messages

### Opening the Program

"Feature not available in this version."

This message will appear when trying to start a module or feature if the PREMIER+™ 2 Embroidery System cannot detect an activation for that module or feature. Ensure that you have activated your software.

Your license may not cover this module or feature. To upgrade, see your dealer or look in the Purchase Center at: [www.EmbroideryPurchaseCenter.com](http://www.EmbroideryPurchaseCenter.com)

### Acquiring and Loading Pictures

"Problem with scanner or camera software."

This message will appear when trying to use your scanner or digital camera if the device has not been installed correctly. Close PREMIER+™ 2 Create, follow the manufacturer's instructions for the WIA-compliant device, then reopen PREMIER+™ 2 Create and try again.

"Scanner or camera is in use by another application."

This message will appear when trying to use your scanner or digital camera if another graphics program is already open that uses the WIA-compliant device. Close PREMIER+™ 2 Create and the other graphics program, then reopen PREMIER+™ 2 Create and try again.

"Your scanner or camera is no longer available for use. Close this program, plug in and switch on your scanner or camera, and run this program again."

This message will appear if the connection to your scanner or digital camera has a problem. Close PREMIER+™ 2 Create, check the connections to your scanner or digital camera, then reopen PREMIER+™ 2 Create and try again.

"Failure to acquire picture due to unknown causes."

This message will appear in certain circumstances when trying to use your scanner or digital camera, for example if the cable is disconnected during the scan or download. Close PREMIER+™ 2 Create, check the connections to your scanner or digital camera, then reopen PREMIER+™ 2 Create and try again.

"Could not load picture file."

This message could appear if the desired picture is not where the module expects it to be, for example if it was loaded from a USB stick, then closed and the USB stick removed. It could also appear if the file you are attempting to load is corrupt. For example, it might have an extension such as .bmp or .jpg, yet not be a proper picture file.

**"Part of this file is a raster image and cannot be loaded."**

This message could appear when loading certain types of Corel® Draw files, that include raster images. If not enough of the picture is visible, try one of the other picture loading options, such as Load a Background Picture into the Draw Window.

**"This file version cannot be opened. Save as CDR version 7 - 13, then try again."**

This message could appear when loading certain types of Corel® Draw files. Try saving from Corel® Draw in a different version file, then reload.

## Preparing Pictures

**"You must select an area first, before applying the crop tool."**

Use the Box Select feature to select an area of the picture around which you wish to crop the background.

**"Cannot rotate - picture will be bigger than 2000 x 2000 pixels if rotated to this extent."**

When rotating a picture, certain angles could make the picture larger than the maximum allowed. If this message appears, either rotate the picture to a different angle, or reduce the size of the picture, then try again.

**"Please enter an integer between 16 and 2000."**

When resizing a picture, the largest size available is 2000 x 2000. If you enter dimensions smaller than 16 or larger than 2000 pixels, this message will appear. Choose a different size and try again.

**"Not enough memory to save undo data."**

This message may appear if you are using a large picture and your computer's memory or hard disk space is relatively low. Close other programs and try again.

## Loading Designs

**"The data is not in the correct format."**

This message appears if an .edo file cannot be loaded. For example, it might have the extension .edo, yet not be a proper design outline file.

**"Error. Could not load can file."**

This message appears if a .can file cannot be loaded. For example, it might have the extension .can, yet not be a proper design outline file.

## Using the ExpressDesign Wizard

**"Some areas were too thick to be traced."**

This message may appear when creating an Express Trace design if the final picture has thick areas of solid color. Some or all parts of the design may not be created. Try using

options in the wizard, on the Outline Finder and Expander page and/or the Monochrome Threshold page, to ensure the outlines are not too thick. Cancel the wizard, adjust the picture so that the outlines are easier to isolate with Monochrome Threshold, then open the picture in the ExpressDesign Wizard again.

## Choosing Thread Colors

**"The color xx has been found in your database, but the thread color is not exactly the same."**

This message appears if the Thread Range and Color Number of the selected color are identical to those in your thread database, but some aspect of the color is different. It could be a different material or weight, or have additional colors as a variegated thread. This could happen if the design you are attempting to edit was supplied by someone with a different version of the color, for instance if they have edited it in MyThreads, or if they have a later version of the thread database. If you click OK, the color will be replaced with the near match. You can alter it to any other color if desired. If you click Cancel, the color will not be changed. To import the new color from an embroidery if it is a MyThreads color, use PREMIER+™ 2 Thread Cache. To check for the latest updates for the PREMIER+™ 2 Embroidery System, use Smart Update in PREMIER+™ 2 Configure.

**"Could not find xx in your database. Matching to closest thread in yy."**

This message appears if the Thread Range of the selected color is not found in your thread database. This could happen if the design you are attempting to edit was supplied by someone with a later version of the thread database. If you click OK, the color will be replaced with the nearest match in the Import Thread Range you have set in PREMIER+™ 2 Configure. You can alter it to any other color if desired. If you click Cancel, the color will not be changed. To import the new color from an embroidery if it is a MyThreads color, use PREMIER+™ 2 Thread Cache. To check for the latest updates for the PREMIER+™ 2 Embroidery System, use Smart Update in PREMIER+™ 2 Configure.

**"Error - thread range is corrupt or missing. Cannot change thread. Restore MySettings or reinstall the thread database."**

This message appears if there is a problem with your thread database. You will be unable to choose a thread color. First close all the modules of the PREMIER+™ 2 Embroidery System, close down your computer and restart. If this does not clear the problem, restore a backup with Restore MySettings, if you have created one using Backup MySettings in PREMIER+™ 2 Configure. Otherwise, you either need a new version of the thread database, or a repair install of your PREMIER+™ 2 Embroidery System software. To check for the latest updates for the PREMIER+™ 2 Embroidery System, use Smart Update in PREMIER+™ 2 Configure.

If the error still appears, then repair the installation. First, delete the following files from ProgramData\VSMSSoftware\Premier+2\System:

- User.sqlite
- System\_cdb2.sqlite

*This assumes you have installed your PREMIER+™ 2 Embroidery System software in the default location. If these file are not present then this is the reason for the error. The file names may be shown without their file extensions.*

Put your PREMIER+™ 2 Embroidery System software USB stick in your computer and re-run the installation. When the choice appears, select the "Modify or remove" option and click Next. In the next screen, select Repair and click Next. Continue with the installation and follow the on-screen instructions. When the installation is complete, the thread database will be restored to its original installation state. This means that the MyThreads database will have the default set of threads.

*This will also reset MyThreadRanges and custom Quick Color Themes to their installation states. Check Smart Update in PREMIER+™ 2 Configure after repairing the installation.*

### **"Error: Please select a valid thread."**

This message appears if you attempt to click OK in the Color Selection dialog box when MyThreads is selected as the thread range and MyThreads is empty.

To prevent this message appearing again, use PREMIER+™ 2 Thread Cache to add at least one thread to MyThreads.

## **QuickTrace Areas**

**"This is not an appropriate use of this tool. Areas of the image may be too wide."**

This happens when you use QuickTrace to follow an outline in the picture and then QuickTrace finds a part of the outline that is very thick. This can be caused by excessively broad outlines or by selecting too much of the picture with a high Color Tolerance value. In this case, QuickTrace does not know where to trace the outline as the problem part of the outline is more like a fill area. Use a lower Color Tolerance value, or use the editing functions in the Picture window to make the outline thinner or break up the outline so that the wide parts are isolated from the rest of the outline.

## **Creating and Using My Fills**

**"Cannot load My Fills picture. The width and height must be between 120 to 700 pixels."**

This message appears if the picture being imported in the Manage My Fills function is outside the required size range. Resize in an image editing program such as Windows® Paint.

**"Error. Unable to locate MyFills.mdb."**

This message usually means that the My Fills database has been deleted or corrupted. This may be corrected by first attempting to Restore MySettings.

To Restore MySettings, you must have previously saved a copy of MySettings with Backup MySettings. Click Restore MySettings in PREMIER+™ 2 Configure and select the desired backup to restore. See the online help in PREMIER+™ 2 Configure for more information.



If the error still appears, then repair the installation. First, delete the file named 'MyFills.mdb' from ProgramData\VSMSoftware\Premier+2\System.

*This assumes you have installed your PREMIER+™ 2 Embroidery System software in the default location. If the file is not present then this is the reason for the error. The file name may simply be shown as 'MyFills'.* Put your PREMIER+™ 2 Embroidery System software USB stick in your computer and re-run the installation. When the choice appears, select the "Modify or remove" option and click Next. In the next screen, select Repair and click Next. Continue with the installation and follow the on-screen instructions. When the installation is complete, the My Fills database will be restored to its original installation state. This means that the My Fills database will be empty. If you had any My Fills, you will need to import them again.

## Choosing and Creating Motifs and Creating Machine Stitches

**"Please choose a valid motif pattern."**

This message appears if you try to select a motif from My Motifs, and all the motifs have been deleted from My Motifs. Use PREMIER+™ 2 Create to add at least one motif to My Motifs.

**"Error. Motif database is missing or corrupt. Cannot change motif."**

This message usually means that the motif database has been deleted or corrupted. This may be corrected by repairing the installation.

First, delete the file named 'SystemMotifs.mdb' from ProgramData\VSMSoftware\Premier+2\System.

*This assumes you have installed your PREMIER+™ 2 Embroidery System software in the default location. If the file is not present then this is the reason for the error. The file name may simply be shown as 'SystemMotifs'.*

Put your PREMIER+™ 2 Embroidery System software USB stick in your computer and re-run the installation. When the choice appears, select the "Modify or remove" option and click Next. In the next screen, select Repair and click Next. Continue with the installation and follow the on-screen instructions. When the installation is complete, the motifs will be restored.

**"The start and end points do not line up. Add a stitch?"**

This message may appear when exporting a drawing to My Motifs or as a Machine Stitch. Motifs and machine stitches are usually designed to stitch from left to right, and to start and finish at the same level. This function allows you to add a stitch to ensure the start and end points line up.

## Using Shape Fill Areas or creating Shapes in the Paint and Draw windows

**"Error. Shapes database is corrupt or missing."**

This message usually means that the shape database has been accidentally moved, deleted or corrupted. This may be corrected by repairing the installation.

*This error does not prevent PREMIER+™ 2 Create from starting. However, you will not be able to use the relevant functions until this is resolved.*

To correct this, start the installation for your PREMIER+™ 2 Embroidery System software, then choose the Repair option.

If the problem persists, delete the file named 'BorderShapes.bdr' from ProgramData\VSMSSoftware\Premier+2\System, and then use the Repair option again.

*This assumes you have installed your PREMIER+™ 2 Embroidery System software in the default location. If the file is not present then this is the reason for the error.*

### Repair an Installation of the PREMIER+™ 2 Embroidery System

- 1 Put your PREMIER+™ 2 Embroidery System software USB stick in your computer and re-run the installation. (If you downloaded your software, double-click on the PREMIER+™ 2 Applications file.)
- 2 When the choice appears, select the "Modify or remove" option and click Next.
- 3 In the next screen, select Repair and click Next.
- 4 Continue with the installation and follow the on-screen instructions.  
When the installation is complete, the shapes database will be restored.

## Resizing Designs

"Design has been reduced in size to fit the hoop."

This message is displayed if an attempt has been made to resize a design using Change Design Size to a size larger than the current hoop. The design will be resized to fit the hoop, as with Scale Fit Hoop. To enlarge the design further, select a bigger hoop before resizing.

## Inserting Embroideries and Characters

"Cannot open embroidery."

This message appears if the desired embroidery is not where the module expects it to be, for example if an embroidery was loaded from a USB memory stick, then closed and the memory stick removed. The message would appear if you tried to load the embroidery from the Recent Files list on the File menu.

"Unrecognized file format."

This message appears if the embroidery you are attempting to load is corrupt. For example, it might have the extension .vp4, yet not be a proper Husqvarna Viking / Pfaff embroidery.

"Embroidery is corrupt."

The embroidery is corrupt and cannot be loaded. Refer to source of this file for a solution.

"Embroidery XY coordinates incorrect."

The embroidery is corrupt and cannot be loaded. Refer to source of this file for a solution.

"Embroidery not created using licensed software."

This message may appear if you attempt to load an embroidery created in third-party software. Such embroideries may cause unpredictable results.

### "Error. Cannot open Font File."

This message appears if the font that you have selected is not available. The most likely reason is that it is already open in the optional PREMIER+™ 2 Font Create module. Close PREMIER+™ 2 Font Create, then try again. This could also happen if you opened PREMIER+™ 2 Create, then accidentally moved or deleted the font from the relevant category folder in ProgramData\VSMSoftware\Premier+2\System\Fonts. Close PREMIER+™ 2 Create, make sure the file is in the folder, then try again.

### "Error. Font file is corrupt."

This message appears when trying to select a character if the font is corrupt. Reinstall the font.

## Using Groups

### "To move a group of objects to the back of the design, the first object must be a color change"

This message is displayed when Move to Back of Design is used to place an object other than a color change at the beginning of a design. The first object in a design must always be a color change, or a group that starts with a color change. Ensure that the first object in the selection to be moved is a color change.

## Creating Stitches

### "Fill object is too complicated."

This message may appear if a QuickStitch™ or Freehand fill area is too complex for the stitch generation functions, usually because the fill area is very small. This may happen, for example, if a design has small areas and is then further reduced in size.

To help find the area, check the progress bar that appears when stitches are created. This shows how far through the design the object is, and can be used as an approximate guide for setting the slider bars on the Edit tab. If desired, also use the filters to hide other object types. Use the FilmStrip to step through the objects quickly. Look for small areas in the remaining visible objects, and adjust as necessary.

## Saving Files

### "Error saving picture."

This message appears on attempting to save the picture and the picture is not saved. For example, if you attempt to overwrite an existing picture that is read only or if you attempt to save the picture to a read only location such as a CD-ROM.

## Exporting Files

### "Embroidery is too large or is not in the hoop."

This message appears if an embroidery you are trying to Export is outside the selected hoop or larger than will fit in it. For example, with the 100mm x 100mm hoop selected, an

embroidery smaller than 100mm x 100mm might be placed partially outside the work area when you click Export. This message would then appear. Move the design completely within the four blue corners of the work area and try again.

#### **"Cannot export design."**

This message appears if you try to use the Export function when there is no stitch information to export (such as when there are only Stop commands in the design).

#### **"Cannot save file."**

The program cannot save the file. Ensure that the disk where you are trying to save the design is not write-protected, then try again.

#### **"You can't save here. Please choose another location."**

This message appears if, for instance, you have loaded an embroidery from a CD-ROM and then attempt to save the embroidery back to the CD. A CD-ROM is read only, therefore you will not be able to save the embroidery.

#### **"Design too large for export format."**

Certain formats are limited to the size of hoop used on their specific embroidery machine, for example .sew. If you attempt to save a file in this format that is bigger than the largest available hoop size this message would appear.

#### **"Unrecognized file extension."**

This message appears if you type an incorrect extension that does not belong to any embroidery file types in the File Name box when trying to save a file.

#### **"Design File is read-only. Cannot continue."**

This will happen if you attempt to open a design that has been set as read-only, or is read-only because it is stored on a CD-ROM. If the design file is on your hard disk as read-only then you must change its properties in Windows® Explorer so that it is no longer read-only. For designs on CD-ROMs, use Windows® Explorer to copy them to your hard disk, then change the properties so that they are no longer read-only. (Windows® Explorer Help has information on the read-only attribute.)

#### **"Filename already exists. Do you want to replace it?"**

This happens when you are doing a Save As on the .edo design outline file and you have given the name of a file that is already there. It also happens when you are saving a stitch file and the file already exists. Click Yes or No as appropriate. You may have to replace a stitch file several times if you are creating stitch files to stitch out tests of your design.

#### **"Disk is write-protected. File not saved"**

This will happen if you try to save a file to a floppy disk that has the write-protect tab open. Either take out the floppy disk and close the write-protect tab, or use a different floppy disk.

## Miscellaneous

"Error. Not enough memory to perform operation."

This message will appear when system resources are low. Close other programs and try again. If this does not work, try restarting your computer.

## Other Topics

### Screen Appearance

"Some of the icons in the Ribbon bar are 'grayed out'."

Certain icons (for example Cut on the Home tab) are only highlighted once a design is shown on the screen. Also, when there is a design on the screen, some functions that might cause a mismatch between the size of the design and the size of the picture are not available in the Picture window.

"I have changed grid color and spacing and now I wish to return to the original settings."

Use PREMIER+™ 2 Configure to change the grid color. Follow the instructions in PREMIER+™ 2 Configure and select Blue Gray (RGB values 100, 102, 153) from the standard color drop-down on the Grid Color button.

Use the Size setting on the View tab to change the grid spacing. Set the Grid Size to 10.

"I have changed the screen background color and now I wish to return to the original light blue."

Use PREMIER+™ 2 Configure to change the background color. Follow the instructions in PREMIER+™ 2 Configure and select the RGB values 211, 233, 255 in the Colors dialog box.

"I am looking for the origin of my fill area, but there is no orange circle."

The origin is usually shown as an orange circle. It may be a different color, depending the underlying picture or background colors. Also, the origin can be moved anywhere on the work area. Try Zoom To Fit to see the whole work area.

### Loading Designs

"When I insert a design outline file (.can) created in a different version of the software, some motif fill areas are blank."

If your design contains motif fill areas using My Motifs created in 5D or 4D Design Creator, the My Motifs will not initially be present, and therefore cannot be used in the PREMIER+™ 2 Embroidery System. Use Backup MySettings in 5D or 4D Configure, then restore MySettings in PREMIER+™ 2 Configure. Then, in PREMIER+™ 2 Create, re-select the My Motif for the motif fill area in your design.

"I cannot see thumbnails for my design outline files."

Thumbnails can only be seen for .edo design outline files, they cannot be seen for .can design outline files from 5D and 4D Design Creator. Use Insert to view the contents of a .can file.

## Loading Pictures

"I have loaded a picture with the ExpressDesign Wizard, and changed it on the Paint window. Now I want to use Send To Wizard, but it is not available."

Send To Wizard may not be used when there are objects in the design. When you use the Load a Picture into the Paint Window option in the ExpressDesign Wizard, the design area is also automatically created, so that you can begin to create your design when the wizard finishes. To make Send To Wizard available, click the Edit tab, click Display All Objects, then in the Home tab click Select All Visible, then click Cut. This will remove all objects in the design. Click the Paint tab, then click Send To Wizard.

*After you have made changes to your picture, it is recommended to use Save As Picture to save the modified picture with a new name, before using Send To Wizard.*

"When I view some pictures before opening them in the preview Window of the Open dialog box they appear blue."

Pictures saved in .jpg format from Adobe® Photoshop® with non-image data may appear blue in the preview window. This does not affect the way they appear on the PREMIER+™ 2 Create screen. To avoid this, if you use Adobe® Photoshop® to save .jpg files, make sure to check the Exclude non-image data box. If you do not have access to this program and have received this type of file, open the picture and re-save it in another program such as Paintshop Pro. This automatically removes the non-image data.

"I loaded a small picture, and it has too many jagged lines."

Although the program automatically doubles the size of a picture if its height and width are less than 500 pixels, this may still produce jagged lines. For a smoother effect, rescan the picture.

"The From Scanner or Camera option is not available, even though my scanner/camera is plugged in."

The From Scanner or Camera option may not be available, even though you have installed and connected a scanner/camera, if it does not support Windows Image Acquisition (WIA). If your scanner/camera supports a different image acquisition system, e.g. TWAIN, create a .png or .jpg file of the image in My Pictures, and load it from there.


## Scanning

"What DPI setting should I use to scan a picture for creating a design?"

The correct DPI (dots per inch) setting will depend on the size of the picture to be scanned. The desired picture size is approximately 1500 X 1500 pixels. To achieve this take the size of your artwork in inches, such as 8" x 7", and divide the longest side into 1500. In the example, 1500 divided by 8 = 187.5. The DPI setting of the scanner should then be 188 DPI, and this will produce a picture that is about 1500 x 1310 pixels.

## Preparing Pictures

"I am trying to Resize an area, but nothing happens when I click the Resize icon or select Resize from the Picture menu."

To resize when part of a picture is selected, simply click and drag any of the resize handles on the selection box (out to increase size, in to decrease size). When the pointer is over a resize handle on a corner of the selection box, the pointer changes from an arrow to the resize pointer .

"I am trying to Rotate an area, but nothing happens when I click the Rotate icon or select Rotate from the Picture menu."

To rotate when part of a picture is selected, simply click and drag the round rotate handle on the middle right of the selection box. Click and drag down to rotate clockwise, up to rotate counterclockwise.

"The background picture shows more of the picture than I want to use."

In the Paint window select the part of the picture you want with Box or Freehand Select then Crop the picture (you can only do this before you start creating your design).

"The background image has a thick outline so that QuickStitch™ leaves gaps between color areas."

Use the Outline Thinner to narrow the outline to one pixel and allow areas to join together better.

"The Expander did not expand all my lines."

The Expander makes lines thicker around areas in the picture that match the background color. The Expander is intended for use with scanned pictures, such as line art that has been converted to monochrome and despeckled to clean it up.

## Using the ExpressDesign Wizard

"My picture already has outlines, but some outlines are not traced properly when I create an Express Trace embroidery."

This can happen if the outlines in your original picture are only one pixel wide. For example, there may be gaps or missing sections of the outline. If this happens, select Find Outlines on the Outline Finder and Expander page and ensure Expand is set to 1. This will thicken all the outlines so that they are traced correctly.

"The preview picture is blank or almost blank on the Express Trace Options or Express Border Options page."

This may happen if the outlines in the picture are only one pixel wide after the Monochrome Threshold page.

For Express Trace, return to the Outline Finder and Expander page, select Find Outlines and ensure Expand is set to 1.



For Express Border, first click Picture Options and set the Area Sensitivity to High. If this does not have the desired effect, return to the Monochrome Threshold page and adjust the slider so that more of the picture within the desired areas turns black. If this also selects unwanted parts of the picture, you may need to remove the unwanted areas in a picture editor.

*To remove unwanted areas, use Open Picture in the Paint window to open the picture. Set the background color to white. Select unwanted areas with Box Select or Freehand Select and Delete them. Use Save As Picture to save the picture with a new name, in case you wish to make further edits, then click Send To Wizard.*

**"My picture only makes a rectangular border when I create an Express Border."**

This can happen with a picture that has a border or background that is black or very dark, especially if the background or border cannot be removed with Monochrome Threshold.

For pictures with a dark border, it should be possible to remove the border on the Rotate and Crop Picture page of the ExpressDesign Wizard. If this is not possible, edit the picture to remove the border or change the border color.

For pictures on a dark background, use an image editor to invert the colors in the picture or change the background color to a light color.

After editing the picture, load it again in the ExpressDesign Wizard.

**"Why can't I click Finish on the Fabric and Stitch Type Options page?"**

If you change the options on the Fabric and Stitch Type Options wizard page, you must click Refresh Preview before you can click Finish to place the embroidery in the work area. The Finish button is not available until the preview has been refreshed.

## Importing Embroideries

**"Some of the satin sections in my imported or inserted embroidery are now fill areas."**

Some wide areas of satin may be imported as fill areas, depending on their size in the embroidery. This is because any area that is very wide is assumed to be a fill area. Also, any satin that has a fill pattern will be imported as a fill area.

## Freehand, Precise or QuickStitch™ Areas

**"When I create stitches one of my fill areas doesn't fill completely with stitches."**

Try changing the angle of orientation. Even one degree can be enough to allow the artificial intelligence of the program to fill the object. Another possibility is to move the start point slightly.

"The fill shape created with QuickStitch™ when I click inside the area is not the one I want."

The pictures used should have well differentiated color areas, which may be solid or stippled, to fill easily. Clipart is excellent for this purpose. If there is a gap where the same color flows into another area, the fill will not work as expected. If Color Tolerance is switched off then switch it on in Preferences. Color Tolerance will then allow you to preview any area for QuickStitch™ functions, which should reveal any problems with color areas in the picture. You can then alter the picture in the Picture window. Alternatively, use the Freehand or Precise functions to place the Fill Area.

"More of the picture than I want is selected for QuickStitch™ when I click inside a small color area."

QuickStitch™ will not create an area from part of the picture that is very small or very thin. This is because the area will either have insignificantly few stitches, or it is not wide enough for stitches to go across it. Try editing your picture to enlarge the area, so that it is big enough to be used as a QuickStitch™ area. Alternatively, use single or running stitches. For thin lines, use QuickTrace.

"I am looking for the origin of my fill area, but there is no orange circle."

The origin is usually shown as an orange circle. It may be a different color, depending the underlying picture or background colors. Also, the origin can be moved anywhere on the work area. Try Zoom To Fit to see the whole work area.

## Appliqué Areas

"I want to change the stitch length for my appliqué placement lines."

In an appliqué piece, the stitch length in the appliqué placement lines is initially set to 2.0 mm. To change the stitch length for the placement lines, select the appliqué piece, then in the Edit tab click Break Apart. The appliqué piece is broken up into its constituent stitch lines, fabric and Stop commands. Adjust the placement lines as desired.

## Fill Areas using My Fills

"I have loaded a design that uses a My Fill pattern, but the fill area is showing a plain pattern."

This will happen if you delete a pattern from your My Fill database and then load a design that uses the pattern. The pattern will use system pattern 3 instead of the deleted My Fill pattern. Either import the deleted pattern picture again, then select it in the My Patterns area of Fill Properties, or choose a different pattern.

"I have a design from a friend and the My Fill pattern for a fill area is different on my computer."

When you have a design from somebody else that contains a fill area with a My Fill pattern, it is likely that their My Fill database will have different patterns to your My Fill database.

You must obtain the exported My Fill pattern and import it into your My Fill database, then select the correct pattern in the My Patterns area of Fill Properties.

**"When I insert a design outline file (.can) created in a previous version of the software, some fill areas are blank."**

If your design contains fill areas using My Fills created in 5D or 4D Design Creator, the My Fills will not initially be present, and therefore cannot be used, in the PREMIER+™ 2 Embroidery System. Use Backup MySettings in 5D or 4D Configure, then restore MySettings in PREMIER+™ 2 Configure. Then, in PREMIER+™ 2 Create, re-select the My Pattern for the fill area in your design.

## Freehand or QuickStitch™ Motif Fill Areas

**"When I use motif fill areas, the design takes a long time to appear."**

On slower computers, large or complex motif fill areas may take some time to draw, particularly if there are holes in the area. This may be noticeable when you create new motif fill areas and when you return to the Design window from the Paint or Draw window, or another PREMIER+™ 2 Embroidery System module.

## QuickStitch™ Borders

**"The border shape created with QuickStitch™ when I click inside the area is not the one I want."**

The pictures used should have well differentiated color areas, which may be solid or stippled, to fill easily. Clipart is excellent for this purpose. If there is a gap where the same color flows into another area, the fill will not work. If Color Tolerance is switched off then switch it on in Preferences. Color Tolerance will then allow you to preview the border, which should reveal any problems with color areas in the picture. You can then alter the picture in the Picture window. Alternatively, use the Freehand or Precise Create functions to place the satin border.

**"A QuickStitch™ line has a double layer of stitching in one section."**

If border areas run into each other, two layers of stitching will be produced by the QuickStitch™ border functions. To avoid this, split the colors on the picture in the Picture window. For example, put a visual 'end point' for each border area. Alternatively, use the Satin Line Trace function.

## Editing the Design

**"I am trying to change colors for some objects but they don't appear on the color worksheet in the Design Panel."**

Colors for multicolor gradient density are only visible when Design Property Colors is selected in the Design Panel. Select Design Property Colors to see the colors, and change them there, or by selecting the pattern fill area and changing its properties. Similarly, the border color for a fill plus border area can be edited on the color worksheet or on the line tab in the properties box.

**"I have inserted a new point and moved an outline but there is still an outline in the old position."**

Some functions in the Quick Create tab create more than one outline at a time, such as, Double and Quadruple Trace. For example, Quadruple Trace puts lines of triple and running stitches directly on top of each other. This means that if you want to add and move a new point to change a Quadruple Trace then you will have to do so twice, once for each of the lines.

**"I have pasted a block but it is not the original color."**

A color change is only copied when it is part of the selected block. If you paste a block that does not start with a color change then it will use the color that is active at the point where the block is pasted. If you want to preserve the color, either copy the relevant color change or use the FilmStrip to insert the desired color.

**"I lose my selected block when I move the Start or End slider bar."**

This happens because you could move the slider bar so that part of the selected block would be hidden. This is avoided by automatically deselecting the block.

**"I did not select all the objects I wanted with Box, Freehand Point or Freehand Select."**

Objects must be fully enclosed by the selection line to be selected as part of a block. If even the smallest part of an object is outside the line then it will not be selected.

**"I have created satin line with Satin Line Trace but I can't change the width of it all at once."**

Use the FilmStrip and/or slider bars to hide all objects except the satin borders and traveling running stitch used to create the trace. Select any satin line object in the trace, then right-click in the FilmStrip and select Global Properties. The Satin Line properties dialog box will appear. Make adjustments as desired and click OK. The new properties will be applied to all visible satin lines. Alternatively, if working within a group, use Select Similar from Group to apply the settings to all other objects of the same stitch type within the group.

**"Color Tolerance does not show me all the lines that will be traced by a QuickTrace function."**

The dashed line used by Color Tolerance only shows the outside of the area that is selected by the current Color Tolerance value. Simply try the QuickTrace function and if the result is not satisfactory then Undo the result and retry the trace with a higher Color Tolerance.

**"There is no underlay under a fill area."**

Underlay is set to none when you select Gradient or Multi-Gradient Density for a pattern fill area. This is because the underlay stitching will spoil the effect of Gradient or Multi-Gradient Density. If you change an area from gradient density to Standard density, reset the Underlay if desired.

"Why did my fill areas vanish when I selected the Columns filter?"

Fill areas surrounded by a satin line will be hidden when the Columns filter is used, as well as Columns and Satin Lines.

## Converting Objects

















"When I try to convert my area to a satin area, it does not seem to work."

If an area is too small or the outline of the area crosses itself, it may not always convert to a satin area. If the area is very small, adjust the outline to increase the size of the area. If the outline of the area crosses itself, adjust the outline to prevent this.

## Design Window

### Ribbon Tabs

### File Tab/Menu

	New	Clear the screen ready to create or load a new design. Ctrl + N
	New Window	Open an additional PREMIER+™ 2 Create window. Ctrl + Shift + N
	Open	Open an existing design, replacing the design on the screen. Ctrl + O
	Save	Save the design with the same name. Ctrl + S; Alt, 2
	Save As	Save the design under a new name. Ctrl + Shift + S; Alt, 3
	Export	Save the embroidery in the current window as a flattened .vp4 file, or in an alternative embroidery format. Ctrl+ E; Alt, 4
	Export Appliqué Pieces	Save or print appliqué outlines ready for cutting by a fabric cutter or INSPIRA™ Cutwork Needles. Ctrl + Shift + E
	Send Express	Send the selected design to the screen of the connected embroidery machine. Ctrl + K
	Send	Send the selected design to the MyFiles or Personal Files folder of the connected embroidery machine. Ctrl + Shift + K
	Send to mySewnet™	Send the selected embroidery to the mySewnet™ cloud for your mySewnet™ enabled embroidery machine. Ctrl + W
	Send to Machine via mySewnet™	Send the selected embroidery to your mySewnet™ enabled embroidery machine via the mySewnet™ cloud.
	Insert	Insert an existing design into your current project. Ctrl + I; Alt + 1
	Print	Set printing options, preview and print the selected design(s) and background.
	Recent	Open recently used designs.
	Preferences	Set the stitch and screen options.
	Exit	Close the current window and prompt to save new and changed designs. Alt + F4

# Home Tab

## Clipboard



Copy

Copy the selected objects to the clipboard, without affecting the current selection.

Ctrl + C; Alt, H, CO, CO



Copy Embroidery

Copy the design as an embroidery for use in another PREMIER+™ 2 Embroidery System module.

Ctrl + Shift + C; Alt, H, CO, CE



Paste

Paste the objects on the clipboard back into the design.

Ctrl + V; Alt, H, P, PA



Paste Into Center

Paste the objects on the clipboard into the center of the work area.

Ctrl + Shift + V; Alt, H, P, PI

Paste and Replace

Paste the objects on the clipboard, replacing the currently selected objects.

Alt, H, P, PR

Paste Into Window

Paste the objects on the clipboard into a new window.

Alt, H, P, PW



Cut

Cut out the selected objects and place them on the clipboard.

Ctrl + X; Alt, H, X



Duplicate

Make a copy of the selected objects, which is automatically pasted on the work area below and to the right of the original.

Alt, H, DU



Delete

Delete the selected object or the last object in the design.

Delete; Alt, H, DE

## Select



Box Select

Select a block of objects by drawing a rectangle.

Alt, H, B



Freehand Select

Select a block of objects by drawing a line around the required objects.

Alt, H, FS



Freehand Point Select

Select a block of objects by clicking a series of points to create an irregular outline of straight or curved lines around the required objects.

Alt, H, FP



Select All Visible

Select all visible objects as a single block.

Ctrl + A; Alt, H, SA



Select None

Deselect all of the objects in the work area, including any outside the hoop.

Ctrl + Shift + A; Alt, H, SN



Replace Selection

Replace the currently selected designs with the new selection.















Alt, H, RS













Add To Selection

Add the new selection to the currently selected designs.















Alt, H, A















	Remove From Selection	Remove the new selection from the currently selected designs. Alt, H, RF
	Group	Group selected objects together so they may be moved, resized or scaled and rotated together. Alt, H, G
	Ungroup	Ungroup a selected group so that each object may edited independently. Alt, H, U
	Rotate 45	Rotate the selected block of objects by 45 degrees. Alt, H, R4
	Modify Block	Show and change the size and rotation of the currently selected block. Alt, H, M, M
	Scale to Fit Hoop	Resize the design in the work area proportionally to fit within the boundaries of the hoop. Alt, H, M, S
	Change Design Size	Alter the design automatically to a new size allowing for the stitch objects used. Alt, H, M, C
<b>Points</b>		
	Edit Points	Use Edit Points to enable the moving and editing of an object's points if another function is being used. Return; Alt, H, E
	Insert Points	Add a new point to the currently selected line. Ctrl + Shift + D; Alt, H, IP
	Delete Points	Delete points from the currently selected line. Ctrl + D; Alt, H, DP
	Convert Points and Bezier Lines	<div>            Convert Points to Corner            Change the selected point in a Bezier line to a Corner point.            Alt, H, CP, CP         </div> <div>            Convert Points to Smooth            Change the selected point in a Bezier line to a Smooth point.            Alt, H, CP, CT         </div> <div>            Convert Points to Symmetric            Change the selected point in a Bezier line to a Symmetric point.            Alt, H, CP, CS         </div> <div>           Convert to Point Line            Change the selected Bezier Line to a Point Line.            Alt, H, CP, CL         </div> <div>           Convert to Bezier Line            Change the selected Point Line to a Bezier Line.            Alt, H, CP, CC         </div>
<b>Insert</b>		













	Insert	Insert outline designs (.edo and .can files) into the current design by name or number. Ctrl + I; Alt, H, IN
	Insert Embroidery	Insert embroidery files by name or number. Alt, H, IE
	Insert Lettering	Insert lettering from PREMIER+™ 2 Embroidery System fonts. Alt, H, IL
	Insert ExpressDesign	<div>  ExpressDesign into Rectangle Create a design automatically to fit in the selected area. Alt, H, IR, IR </div> <div>  ExpressDesign into Hoop Create a design automatically to fit in the hoop. Alt, H, IR, IH </div>
	Insert SuperDesign	Insert a SuperDesign from the SuperDesign sets available in PREMIER+™ 2 Create Alt, H, IS
<b>Hoop</b>		
	Change Hoop	Choose the hoop size you wish to use in PREMIER+™ 2 Create. Ctrl + H; Alt, 6; Alt, H, H; Alt, V, H
	Life View	Show how an embroidery exported from the project will look in 3D with real-world perspective. Share a picture or video of your design on your favorite social media site. Ctrl + L; Alt 9; Alt, H, L
	Design Player	Play through the stitches in the embroidery as if they were being stitched from an exported embroidery. Share a picture or video of your design on your favorite social media site. Ctrl + J; Alt 0; Alt, H, J














# Quick Create Tab














Command		
	Color Change	Insert a Color Change after the currently selected object. Alt, Q, C, C
		Pick Color Choose a color from the background picture to set a new thread color. Alt, Q, C, P
		Quick Colors Click one of the Quick Colors to set a new thread color.
Fill Area and Line		
		Create a fill.
		Pattern Fill Create a fill area with small stitches in a repeating pattern. Alt, Q, F, P
		Motif Fill Create a fill area with one or two motif stitches in a repeating pattern. Alt, Q, F, M
		Shape Fill Create a fill area where the stitching lines follow one of 75 shapes, using motif lines if desired. Alt, Q, F, S
		Radial Fill Create a fill area that radiates out from the center. Alt, Q, F, R
		Spiral Fill Create a fill area that follows a spiral path from the center. Alt, Q, F, L
		QuiltStipple Fill Create a stippled fill area. Alt, Q, F, Q
		Contour Fill Create a fill area that follows the contours of the outline. Alt, Q, F, C
		Crosshatch Fill Create a crosshatched fill area. Alt, Q, F, X
		Curved Crosshatch Fill Create a curved crosshatched fill area. Alt, Q, F, H
		MultiWave Fill Create a MultiWave fill area. Alt, Q, F, U
		Echo Fill Create an Echo fill area. Alt, Q, F, E







Line		Create a line or border.
		Running Stitch Create a border of running stitches (small consecutive stitches). Alt, Q, L, R
		Double Stitch Create a border of double stitch (small stitches going forward, followed by small stitches going backward). Alt, Q, L, D
		Double Zigzag Create a line of small stitches going forward, followed by zigzag stitches going backward. Alt, Q, L, Z
		Triple Stitch Create a border of triple stitch (small three-part stitches, each composed of one stitch going forward, one going backward then one going forward). Alt, Q, L, T
		Satin Line Create a border of satin stitches of constant width. Alt, Q, L, S
		Motif Line Create a border of motif stitches. Alt, Q, L, M
	Appliqué	Use appliqué for the area.  Select Appliqué Fabric Open the Appliqué Selection dialog box to select an appliqué fabric. Alt, Q, A, F
	QuickStitch™	Fill the selected area with stitches automatically. Alt, Q, Q
	QuickStitch™ + AutoHole	Fill the selected area with stitches and create holes automatically. Alt, Q, H
	Shape	Select one of 75 shapes to draw as a fill area with or without a border, or as a closed line, on the work area. Alt, Q, S; Alt, Q, P
Enhance		
	QuickStitch™ Hole	Insert a hole automatically in the selected fill area. Alt, Q, U
	Emboss Line	 Freehand Emboss Line Draw one or more embossed lines of needle points over the selected object(s). Alt, Q, E, F
		 Precise Emboss Line Place points to define one or more embossed lines of needle points over the selected object(s). Alt, Q, E, P

 MultiWave Line	
	<b>Freehand MultiWave Line</b> Draw one or more MultiWave lines within the selected MultiWave Fill object. Alt, Q, W, F
	<b>Precise MultiWave Line</b> Place points to define one or more MultiWave lines within the selected MultiWave Fill object. Alt, Q, W, P
Trace	
 Trace	
	<b>Double Trace</b> Create a layer of double stitch, with running stitch where necessary, automatically following the selected line. Alt, Q, T, D
	<b>Quadruple Trace</b> Create a layer of running and a layer of triple stitches automatically following the selected line. Alt, Q, T, Q
	<b>Satin Line Trace</b> Create satin stitches of fixed width automatically following the selected line. Alt, Q, T, S
	<b>Motif Line Trace</b> Create a line of motif stitches automatically following the selected line. Alt, Q, T, M
Satin Area	
	<b>QuickStitch™ Satin</b> Create a satin area automatically in the selected area. Alt, Q, K
	<b>QuickStitch™ Multiple Satin</b> Create a multiple part satin area automatically in the selected areas. Alt, Q, M
Options	
Fill Area and Line	Open the options dialog for the fill area and line. Alt, Q, OF
Satin Area	Open the options dialog for the satin area. Alt, Q, OS














# Freehand Create Tab

Command		
	Color Change	Insert a Color Change after the currently selected object. Alt, R, C, C
	Pick Color	Choose a color from the background picture to set a new thread color. Alt, R, C, P
	Quick Colors	Select one of the 32 Quick Colors.
	Single Stitch	Insert Single Stitches of variable length. Alt, R, N
	Alignment Stitch	Insert an alignment stitch. Alt, R, G
	Stop	Insert a Stop after the currently selected object. Alt, R, P
Fill Area and Line		
	Fill	Create a fill.
	Pattern Fill	Create a fill area with small stitches in a repeating pattern. Alt, R, F, P
	Motif Fill	Create a fill area with one or two motif stitches in a repeating pattern. Alt, R, F, M
	Shape Fill	Create a fill area where the stitching lines follow one of 75 shapes, using motif lines if desired. Alt, R, F, S
	Radial Fill	Create a fill area that radiates out from the center. Alt, R, F, R
	Spiral Fill	Create a fill area that follows a spiral path from the center. Alt, R, F, L
	QuiltStipple Fill	Create a stippled fill area. Alt, R, F, Q
	Contour Fill	Create a fill area that follows the contours of the outline. Alt, R, F, C
	Crosshatch Fill	Create a crosshatched fill area. Alt, R, F, X














Line		Curved Crosshatch Fill Create a curved crosshatched fill area. Alt, R, F, H
		MultiWave Fill Create a MultiWave fill area. Alt, R, F, U
		Echo Fill Create an Echo fill area. Alt, R, F, E
		Create a line or border.
		Running Stitch Create a border of running stitches (small consecutive stitches). Alt, R, F, R
		Double Stitch Create a border of double stitch (small stitches going forward, followed by small stitches going backward). Alt, R, F, D
		Double Zigzag Create a line of small stitches going forward, followed by zigzag stitches going backward. Alt, R, F, Z
		Triple Stitch Create a border of triple stitch (small three-part stitches, each composed of one stitch going forward, one going backward then one going forward). Alt, R, F, T
		Satin Line Create a border of satin stitches of constant width. Alt, R, F, S
		Motif Line Create a border of motif stitches. Alt, R, F, M
	Appliqué	Use appliqué for the area.
		Select Appliqué Fabric Open the Appliqué Selection dialog box to select an appliqué fabric. Alt, R, A, F
	Create Freehand Area or Line	Fill an area with stitches by drawing a line around it. Alt, R, R
Enhance		
	Freehand Hole	Cut out holes within the selected fill area, by drawing outlines to define the holes. Alt, R, H
	Freehand Emboss Line	Draw one or more embossed lines of needle points over the selected object(s). Alt, R, E








	Freehand MultiWave Line	Draw one or more MultiWave lines within the selected MultiWave Fill object. Alt, R, W
<b>Column</b>		
	Freehand Satin Area	Draw an outline to create a satin area. Alt, R, T
	Satin Column	Place alternate points to define a column of satin. Alt, R, S
	Feathered Satin	Place alternate points to define a column of feathered satin. Alt, R, D
	Richelieu Bars	Place alternate points to define a column of Richelieu bars (short sections of satin perpendicular to the direction of the column). Alt, R, B
	Tapered Motifs	Place alternate points to define a line of motifs that vary in size according to the width of the column. Alt, R, M
<b>Options</b>		
	Fill Area and Line	Open the options dialog for the fill area and line. Alt, R, OF
	Satin Area	Open the options dialog for the satin area. Alt, R, OS
	Column	Open the options dialog for the column. Choose from: Satin Column, Feathered Satin, Richelieu Bars and Tapered Motifs. Alt, R, OC

## Precise Create Tab

















Command		
	Color Change	Insert a Color Change after the currently selected object. Alt, P, C, C
	Pick Color	Pick Color Choose a color from the background picture to set a new thread color. Alt, P, C, P
	Quick Colors	Quick Colors Select one of the 32 Quick Colors.
	Single Stitch	Insert Single Stitches of variable length. Alt, P, N
	Alignment Stitch	Insert an alignment stitch. Alt, P, G
	Stop	Insert a Stop after the currently selected object. Alt, P, P
Fill Area and Line		
	Fill	Create a fill.
	Pattern Fill	Pattern Fill Create a fill area with small stitches in a repeating pattern. Alt, P, F, P
	Motif Fill	Motif Fill Create a fill area with one or two motif stitches in a repeating pattern. Alt, P, F, M
	Shape Fill	Shape Fill Create a fill area where the stitching lines follow one of 75 shapes, using motif lines if desired. Alt, P, F, S
	Radial Fill	Radial Fill Create a fill area that radiates out from the center. Alt, P, F, R
	Spiral Fill	Spiral Fill Create a fill area that follows a spiral path from the center. Alt, P, F, L
	QuiltStipple Fill	QuiltStipple Fill Create a stippled fill area. Alt, P, F, Q
	Contour Fill	Contour Fill Create a fill area that follows the contours of the outline. Alt, P, F, C
	Crosshatch Fill	Crosshatch Fill Create a crosshatched fill area. Alt, P, F, X










		Curved Crosshatch Fill Create a curved crosshatched fill area. Alt, P, F, H
		MultiWave Fill Create a MultiWave fill area. Alt, P, F, U
		Echo Fill Create an Echo fill area. Alt, P, F, E
	Line	Create a line or border.
		Running Stitch Create a border of running stitches (small consecutive stitches). Alt, P, L, R
		Double Stitch Create a border of double stitch (small stitches going forward, followed by small stitches going backward). Alt, P, L, D
		Double Zigzag Create a line of small stitches going forward, followed by zigzag stitches going backward. Alt, P, L, Z
		Triple Stitch Create a border of triple stitch (small three-part stitches, each composed of one stitch going forward, one going backward then one going forward). Alt, P, L, T
		Satin Line Create a border of satin stitches of constant width. Alt, P, L, S
		Motif Line Create a border of motif stitches. Alt, P, L, M
	Appliqué	Use appliqué for the area.
		Select Appliqué Fabric Open the Appliqué Selection dialog box to select an appliqué fabric. Alt, P, A, F
	Create Precise Area or Line	Fill an area with stitches by placing points around it. Alt, P, R
Enhance		
	Precise Hole	Cut out holes within the selected fill area, by placing points to define the holes. Alt, P, H
	Precise Emboss Line	Place points to define one or more embossed lines of needle points over the selected object(s). Alt, P, E

	Precise MultiWave Line	Place points to define one or more MultiWave lines within the selected MultiWave Fill object. Alt, P, W
<b>Satin Area</b>		
	Precise Satin Area	Place points to create a satin area. Alt, P, T
<b>Enhance</b>		
	Satin Column	Place alternate points to define a column of satin. Alt, P, S
	Feathered Satin	Place alternate points to define a column of feathered satin. Alt, P, D
	Richelieu Bars	Place alternate points to define a column of Richelieu bars (short sections of satin perpendicular to the direction of the column). Alt, P, B
	Tapered Motifs	Place alternate points to define a line of motifs that vary in size according to the width of the column. Alt, P, M
<b>Options</b>		
	Bezier Mode	Enable line creation in Bezier Mode. Alt, P, BM
	Fill Area and Line	Open the options dialog for the fill area and line. Alt, P, OF
	Satin Area	Open the options dialog for the satin area. Alt, P, OS
	Column	Open the options dialog for the column. Choose from: Satin Column, Feathered Satin, Richelieu Bars and Tapered Motifs. Alt, P, OC

# Edit Tab

Display Range		
	Draw Previous Color Block	Step through the color blocks in reverse order. Alt, E, P
	Draw Next Color Block	Step through the color blocks one at a time. Alt, E, N
	Display All Objects	Display all objects and commands in the design. Alt, E, A
	Draw Range	The upper slider bar sets the Draw From Start object. The lower slider bar sets the Draw To End object. Move the appropriate slider bar to change the start or end object. Objects are not displayed when the color block containing the objects is hidden.
	Only Selected	Show only the currently selected object. Alt, E, Y
	Only From Start	Show only the currently visible objects from the start to the selected object. Alt, E, S
	Only To End	Show only the currently visible objects from the selected object to the end of the design. Alt, E, E
Hide Object Types		
	Lines	Show and hide Running, Double and Triple Stitches, Tapered Motifs and Motif Lines. Alt, E, HL
	Fills	Show and hide pattern fill areas, motif fill areas and shape, radial, spiral, QuiltStipple, contour and crosshatch fill areas. Alt, E, HF
	Satin Areas	Show and hide satin areas. Alt, E, HA
	Columns	Show and hide Satin Columns, Richelieu bars, feathered satin and satin lines. Alt, E, HC
	Single Stitches	Show and hide Single Stitches and Alignment Stitches. Alt, E, HS
	Stops and Colors	Show and hide Color Change and Stop commands. Alt, E, HP
	Groups	Show and hide Groups and all their contents. Alt, E, HG
	Appliqués	Show and hide Appliqué areas. Alt, E, HQ
Object		
	Delete	
		Delete Hole Delete one or more holes from the currently selected area. Alt, E, D, H

		<p>Delete Emboss Line</p> <p>Delete one or more embossed lines from the currently selected area.</p> <p>Alt, E, D, E</p>
		<p>Delete MultiWave Line</p> <p>Delete one or more MultiWave lines from the currently selected MultiWave fill area.</p> <p>Alt, E, D, W</p>
	Break Apart	<p>Break a complex object into its constituent parts.</p> <p>Alt, E, B</p>
	Reversal	<p>Reverse Column End to End</p> <p>Reverse the order of all the points defining a column so that the start becomes the end and vice versa.</p> <p>Alt, E, R, E</p> <p>Reverse Column Side to Side</p> <p>Swap each pair of points within a column.</p> <p>Alt, E, R, S</p> <p>Reverse Line</p> <p>Reverse the order of the points defining a line so that the start becomes the end, and vice versa.</p> <p>Alt, E, R, L</p>
	Manage My Fills	<p>Load new pictures for fill patterns, export an existing My Fill pattern as a picture and delete unwanted My Fills.</p> <p>Alt, E, F</p>
		<p>Select Similar from Visible</p> <p>Select all visible objects with similar properties.</p> <p>Alt, E, M, V</p>
		<p>Select Similar from Group</p> <p>Select all objects with similar properties that are in the same Group.</p> <p>Alt, E, M, G</p>
	Properties	<p>Display the properties for the selected object.</p> <p>Alt, E, O</p>
	Global Properties	<p>Change the properties of all visible objects of a selected type.</p> <p>Alt, E, G</p>







## Draw Tab

See “Draw Window” on page 472.






## Paint Tab

See “Paint Window” on page 478.

# View Tab

Grid		
	Show Grid	Show or hide the background grid, and set its size. Show Grid: Alt, V, G; Size: Alt, V, S
	Get Length	Measure the distance between any two points on the work area. Alt, V, L
Background		
	Fade	Use the slider to Hide, Fade or Show the background image.
View Mode		
	3D View	View objects as embroidery stitches. Ctrl + T; Alt, V, 3
	2D View	View objects as individual stitches with no shading. Ctrl + R; Alt, V, 2
	Object View	View the outline of the objects in the design. Ctrl + R; Alt, V, O
Hoop		
	Change Hoop	Choose the hoop size you wish to use in PREMIER+™ 2 Create. Ctrl + H; Alt, 6; Alt, H, H; Alt, V, H
Panels		
	Show Design Panel	Show the Design Panel. Alt, V, D
	Show FilmStrip	View the Filmstrip. Alt, V, F

## Help Tab

	Help Topics	List help topics. F1; Alt, L, H
	Internet FAQs	Use the Internet to access answers to Frequently Asked Questions on the software. Alt, L, I
	Learning Center	View interactive training tutorials and videos on the Internet. Alt, L, L
	Purchase Center	Purchase additional modules on the Internet. Alt, L, P
	About PREMIER+™ 2 Create	Display module information, version number and copyright. Alt, L, A

# Design Window — FilmStrip

## FilmStrip Items

### Thread Color Bar

The color bar shows the color of each object, even when the Color Changes are hidden.







### Object

Each object is represented graphically. Markers are shown for Color Changes, Alignment Stitches and Stops. A Color Change also shows a thread sample. All other object types show the shape of the objects as black outlines.









### Object Type












The name of the object type is shown.

### Layout Order

	Move Forwards	Bring one step closer to the front of the design.
	Move Backwards	Bring one step closer to the back of the design.
	Move to Front	Place at the front of the design.
	Move to Back	Place at the back of the design.
	Display Group Contents	Switch between viewing the objects within Groups in the FilmStrip, and seeing only the Group heading rows in the FilmStrip.
	Select Last Visible	Select the last object that has not been hidden by Color Select, any of the object Filters, or the End slider.

## FilmStrip Context Menu

	Display Only <u>S</u> lected	Show only the currently selected object or group of objects.
	Display Only <u>F</u> rom Start	Display only the visible objects from the start of the design to the selected object. Hence, all objects after the selected object are hidden.
	Display Only <u>T</u> o End	Display only the visible objects from the selected object to the end of the design. Hence, all objects before the selected object are hidden.
	Display <u>A</u> ll Objects	Display all objects and commands in the design.
	<u>C</u> ut	Cut out the selected objects and place them on the clipboard. Ctrl + X
	<u>C</u> opy	Copy the selected objects to the clipboard, without affecting the current selection. Ctrl + C
	<u>P</u> aste	Paste the objects on the clipboard back into the design. Ctrl + V
	Duplicate	Make a copy of the selected objects, which is automatically pasted on the work area below and to the right of the original.


	<b>D</b> el	Delete the selected object or the last object in the design. Del.
	<b>I</b> nsert <b>C</b> olor <b>C</b> hange	Insert a Color Change after the currently selected object. The Color Selection dialog box appears so you can choose the new color.
	<b>I</b> nsert <b>S</b> top	Insert a Stop after the currently selected object.
	<b>G</b> roup	Group selected objects together so they may be moved, resized or scaled and rotated together.
	<b>U</b> ngroup	Ungroup a selected group so that each object may edited independently.
	<b>S</b> elect Similar from <b>V</b> isible	Select all visible objects with similar properties.
	<b>S</b> elect Similar from <b>G</b> roup	Select all objects with similar properties that are in the same Group.
	<b>P</b> roperties	Show the properties dialog box for the selected object.
	<b>G</b> lobal Properties	Show the properties dialog box for the selected type of object, to change the properties of all visible objects of that type.
	<b>L</b> ayout Order	<div>  <b>M</b>ove <b>F</b>orwards Bring one step closer to the front of the design. Ctrl + [; Alt, L, F </div> <div>  <b>M</b>ove <b>B</b>ackwards Bring one step closer to the back of the design. Ctrl + ]; Alt, L, B </div> <div>  <b>M</b>ove to <b>F</b>ront Place at the front of the design. Ctrl + Shift + [; Alt, L, N </div> <div>  <b>M</b>ove to <b>B</b>ack Place at the back of the design. Ctrl + Shift + ]; Alt, L, C </div>





# Design Window — Design Panel

## Design Information

**Stitch Count** : The Stitch Count of the embroidery.


**Height** : The Height of the embroidery.

**Width** : The Width of the embroidery.

**Colors** : The number of colors in the embroidery.

## Color Select

A worksheet panel showing the color blocks in the design. It is used to change the thread color and add thread or needle effects, show which color blocks are visible and turn the display of color blocks on and off.

Use Design Property Colors  to show or hide thread colors in the Color Select area that are part of an object's property; for example, colors in multigradient density fill areas or satin columns.

## Notes

Enter up to 2000 characters in the Notes for information and keywords about the design.

## Settings

Enter up to 2000 characters in the Settings for information on the techniques used for the design.

## Edit

Click Edit to update the Notes or Settings by using the dialog box.

## Clipboard Block











The Clipboard Block shows the current selection that can be pasted into the work area.

## Overview Window

The overview window gives a small overview of the whole work area for the current embroidery and background.







# Toolbars

## Quick Access Toolbar




	Insert	Insert an existing design into your current project. Ctrl + I; Alt, 1
	Save	Save the design with the same name. Ctrl + S; Alt, 2
	Save As	Save the design under a new name. Ctrl + Shift + S; Alt, 3
	Export	Save the design in the current window as a flattened .vp4 file, or in an alternative embroidery format. Ctrl+ E; Alt, 4
	Print	Print the selected design(s) and background. To set page options, use File, Print. Ctrl + P; Alt, 5
	Change Hoop	Choose the hoop size you wish to use in PREMIER+™ 2 Create. Ctrl + H; Alt, 6; Alt, H, H; Alt, V, H
	Undo	Undo the last action. Ctrl + Z; Alt, 7
	Redo	Redo the previously undone action. Ctrl + Y; Alt, 8
	Life View	Show how an embroidery exported from the project will look in 3D with real-world perspective. Ctrl + L; Alt, 9; Alt, H, L
	Design Player	Play through the stitches in the embroidery as if they were being stitched from an exported embroidery. Ctrl + J; Alt, 0; Alt, H, J

## Status Bar

Use the Select Tools on the Status Bar to select objects in your design.

	Edit Points	Use Edit Points to enable the moving and editing of an object's points if another function is being used.
	Box Select	Select a block of objects by drawing a rectangle.
	Freehand Select	Select a block of objects by drawing a line around the required objects.
	Freehand Point Select	Select a block of objects by clicking a series of points to create an irregular outline of straight or curved lines around the required objects.
	Select All Visible	Select all visible objects as a single block. Ctrl + A
	Select None	Deselect all of the objects in the work area, including any outside the hoop. Ctrl + Shift + A

Use the Zoom Commands on the Status Bar to navigate around designs.











	Zoom To Rectangle	Increase magnification of an area of the design. Ctrl + 0
	Zoom To Fit	Fit work area to screen. Ctrl + 9
		100% Display picture at 100% magnification. Ctrl + 1
		200% Display picture at 200% magnification. Ctrl + 2
		400% Display picture at 400% magnification. Ctrl + 3
		800% Display picture at 800% magnification. Ctrl + 4
		75% Display at 75% magnification. Ctrl + 5
		50% Display at 50% magnification. Ctrl + 6
		25% Display at 25% magnification. Ctrl + 7
	Zoom Out	Decrease magnification. Ctrl + -
	Zoom In	Increase magnification. Ctrl + =

## QuickLink Toolbar







For information about the contents of the QuickLink toolbar, please refer to the PREMIER+™ 2 Embroidery Guide.

















# Draw Window

















## File Tab/Menu

	New	Clear the screen ready to create or load a new design. Ctrl + N
	New Window	Open an additional PREMIER+™ 2 Create window. Ctrl + Shift + N
	Open Drawing	Open an existing drawing, replacing the drawing on the screen. Ctrl + O
	Insert Drawing	Insert an existing drawing into your current project.
	Open Background Picture	Open an existing picture as a background on which to create a design.
	Send To Wizard	Send the drawing to the ExpressDesign Wizard to create a new design. Ctrl + K
	Save As Drawing	Save the drawing with a new name. Ctrl + S
	Export as Clipart	Save the drawing as clipart.
	Print Drawing	Print the drawing.
	Preferences	Set the stitch and screen options.
	Exit	Close the current window and prompt to save new and changed designs. Alt + F4

## Draw Tab

<b>Clipboard</b>		
	Copy	Copy the selected part or all of the drawing and place it on the clipboard, where it can be pasted into the same file or a new drawing. Ctrl + C; Alt, D, C
	Paste	Paste part or all of a drawing that has been cut or copied to the clipboard onto the screen. Ctrl + V; Alt, D, VP
	Cut	Cut out the selected part of the drawing to the clipboard, where it can be pasted into the same file or a new drawing. Ctrl + X; Alt, D, X
	Duplicate	Make a copy of the selected part or all of the drawing, which is automatically pasted on the work area below and to the right of the original. Ctrl + D; Alt, D, DU
	Delete	Delete the selected objects. Delete; Alt, D, DE
<b>Select</b>		
	Box Select	Select a block of objects by drawing a rectangle. Alt, D, SB

	Freehand Select	Select a block of objects by drawing a line around the required objects. Alt, D, SF
	Freehand Point Select	Select a block of objects by clicking a series of points to create an irregular outline of straight or curved lines around the required objects. Alt, D, SP
	Select All	Select all visible objects as a single block. Ctrl + A; Alt, D, SA
	Select None	Deselect all of the objects in the drawing. Ctrl + Shift + A; Alt, D, SN
	Replace Selection	Replace the currently selected designs with the new selection. Alt, D, SR
	Add To Selection	Add the new selection to the currently selected designs. Alt, D, ST
	Remove From Selection	Remove the new selection from the currently selected designs. Alt, D, SM
<b>Object</b>		
	Multiply	Mirror or rotate copies of objects as you draw. Alt, D, Y
	Encore	Horizontally repeat your drawing to fill the work area. Alt, D, E
	Reverse Path	Switch the start and end points of the selected object. Alt, D, R
	Rotate 90°	Rotate the selected objects by 90 degrees. Alt, D, 9
	Alignment	<p>Center In Hoop Move the selected objects to the center of the hoop. Alt, D, A, C</p> <p>Horizontal Alignment</p> <p> Align Left Align all selected objects on the left edge. Alt, D, A, H, L</p> <p> Align Center Center align all selected objects horizontally. Alt, D, A, H, C</p> <p> Align Right Align all selected objects on the right edge. Alt, D, A, H, R</p> <p> Distribute Horizontally Align all selected objects to be equally spaced horizontally. Alt, D, A, H, D</p> <p>Vertical Alignment</p> <p> Align Top Align all selected objects on the top edge. Alt, D, A, V, T</p>

	 <b>Align Middle</b> Center align all selected objects vertically. Alt, D, A, V, M
	 <b>Align Bottom</b> Align all selected objects on the bottom edge. Alt, D, A, V, B
	 <b>Distribute Vertically</b> Align all selected objects to be equally spaced vertically. Alt, D, A, V, D
	<b>Combine Paths</b>
	 <b>Combine Paths</b> Combine paths for the selected objects, usually to create holes. Alt, D, P, C
	<b>Uncombine Paths</b> Break apart an object combined using Combine Paths. Any holes in fill areas will be removed. Alt, D, P, U
	<b>Group</b>
	 <b>Group</b> Group all selected objects together. Ctrl + G; Alt, D, G, R
	 <b>Ungroup</b> Separate the objects, or groups, within the selection. Ctrl + U; Alt, D, G, U
	 <b>Ungroup All</b> Separate all objects, and groups, within the selection. Alt, D, G, A
<b>Motif</b>	
	<b>My Motifs</b>
	 <b>Import Motif</b> Open an existing motif to modify it. Alt, D, M, I
	 <b>Export to My Motifs</b> Save the drawing or selected area to the My Motifs database. Alt, D, M, E
	 <b>Manage My Motifs</b> View and delete motifs in the My Motifs database. Alt, D, M, M
	<b>Machine Stitch</b>
	 <b>Import Machine Stitch</b> Open an existing stitch to modify it or to export it as a motif. Alt, D, H, I
	 <b>Export as Machine Stitch</b> Save or send the drawing or selected area as .spx machine stitch for certain sewing machines. Alt, D, H, X

## View



Show FilmStrip

Show or hide the FilmStrip.  
Alt, D, VF



Show Grid

Show or hide the background grid.  
Alt, D, VG











Snap To Grid



Align objects to the Grid lines when moved.  
Ctrl + . ; Alt, D, N

# Draw Window Control Panel



## Color Section

	Line Color	Double-click to change the line color.
	Fill Color	Double-click to change the fill color.
	Pick Line Color	Select a color from the picture and make it the line color.
	Match Line Color	Flood fill object lines with the line color.
	Pick Fill Color	Select a color from the picture and make it the fill color.
	Match Fill Color	Flood fill object areas with the fill color.
	Theme	Select a color theme from the drop-down list.
	Quick Color Palette	Left-click to select line color, and right-click to select fill color.






## Lines Section

	No Line	No line is placed around a fill.
	Line	Create a single line.






## Fills Section

	No Fill	No fill is placed within an area.
	Solid Fill	Create an area with a fill.

## Create Section

	Freehand Draw	Click and drag to draw a line.
	Polygon Draw	Click points to create a line.
	Shapes	Add a shape to your design.
	MiniPics	Add a special small drawing.
	Text	Add text to your design.

## Edit Section

	Edit Nodes	View and move the node points of the selected object.
	Edit Line	Reshape the lines of the selected object.
	Add Nodes	View and add object node points.
	Delete Nodes	View and delete object node points.
	Knife	Slice the selected objects along the line you draw.

## Clipboard Block






The Clipboard Block shows the current selection that can be pasted into the work area.



# Overview Window










The overview window gives a small overview of the whole work area for the current drawing.

## Selection Toolbar: Draw
















	Box Select	Select a block of objects by drawing a rectangle. Alt, D, SB
	Freehand Select	Select a block of objects by drawing a line around the required objects. Alt, D, SF
	Freehand Point Select	Select a block of objects by clicking a series of points to create an irregular outline of straight or curved lines around the required objects. Alt, D, SP
	Select All	Select all visible objects as a single block. Ctrl + A; Alt, D, SA
	Select None	Deselect all of the objects in the drawing. Ctrl + Shift + A; Alt, D, SN


















# Paint Window

## File Tab/Menu

	New	Clear the screen ready to create or load a new design. Ctrl + N
	New Window	Open an additional PREMIER+™ 2 Create window. Ctrl + Shift + N
	Open Picture	Open an existing picture, replacing the picture on the screen. Ctrl + O
	Insert Picture	Insert an existing picture into your current project.
	From Scanner or Camera	Display the program that is used to acquire pictures from the selected scanner, digital camera or other suitable device.
	Send To Wizard	Send the picture to the ExpressDesign Wizard to create a new design. Ctrl + K
	Save As Picture	Save the picture with a new name. Ctrl + S
	Preferences	Set the stitch and screen options.
	Exit	Close the current window and prompt to save new and changed designs. Alt + F4

# Paint Tab

Clipboard		
	Copy	Copy the selected part or all of the picture and place it on the clipboard, where it can be pasted into the same file or a new picture. Ctrl + C; Alt, D, C
	Paste	Paste part or all of a picture that has been cut or copied to the clipboard onto the screen. Ctrl + V; Alt, D, V
	Cut	Cut out the selected part of the picture to the clipboard, where it can be pasted into the same file or a new picture. Ctrl + X; Alt, D, X
	Duplicate	Make a copy of the selected part or all of the picture, which is automatically pasted on the work area below and to the right of the original. Ctrl + D; Alt, D, DU
	Delete	Delete the selected part of the picture. Delete; Alt, D, DE
Select		
	Box Select	Select part or all of the picture by drawing a rectangle. Alt, D, SB
	Freehand Select	Select part or all of the picture by drawing a line around the required area. Alt, D, SF
	Freehand Point Select	Select part or all of the picture by clicking a series of points to create an irregular outline of straight or curved lines around the required area. Alt, D, SP
	Ellipse Select	Select an elliptical area of the picture. Alt, D, SE
	Magic Wand Select	Select an area of the picture of similar color to the point where you click. Use the Tolerance settings to set the color variation for the Magic Wand selection. Alt, D, SW, 1-5
	Invert Selection	
		Invert Selection Select everything outside the current selection. Alt, D, SI, V
		Select All Select all of the picture. Ctrl + A; Alt, D, SI, A
		Select None Deselect all of the picture. Ctrl + Shift + A; Alt, D, SI, N
	Exclude Background	Include or exclude areas matching the background color when making a selection. Alt, D, SK

	Replace Selection	Replace the currently selected area with the new selection. Alt, D, SR
	Add To Selection	Add the new selection to the currently selected area. Alt, D, ST
	Remove From Selection	Remove the new selection from the currently selected area. Alt, D, SM
<b>Edit</b>		
	Resize	Change the size of the picture. Alt, D, I
	Crop	Crop the picture, leaving only the selected area. Alt, D, P
	Rotate	Rotate the picture to any degree. Alt, D, R
	Fill Background to Hoop	Fill the empty areas between the picture and the hoop boundaries with the selected background color. Alt, D, L, B
	Mirror Horizontally	Flip the picture or selected area from side to side. Alt, D, MH
	Mirror Vertically	Flip the picture or selected area from end to end. Alt, D, MV
	Rotate 90	Rotate the picture or selected area by 90 degrees. Alt, D, 9
<b>Effects</b>		
	<b>Effects</b>	
	Luminosity Effects	Change Brightness, Contrast and Gamma for the picture, and select Autolevel, AutoContrast or Negative. Alt, D, E, L
	Color Effects	Change Saturation, Hue and Color Filter for the picture. Alt, D, E, C
	Blur / Sharpen	Enhance or blur the edges between differently colored areas. Alt, D, E, B
	Monochrome	Turns all shades or colors into either black or white. Alt, D, E, M
	Cleaning	Use Despeckle, Find Outline, Expander or Outline Thinner on the picture. Alt, D, E, N
<b>View</b>		
	Show Grid	Show or hide the background grid. Alt, D, G

# Paint Window Control Panel

## Color Select Section

### Color Box

Use the Color Box to select the foreground color (for left-click drawing) and background color (for right-click drawing). To select a color not shown in the Color palette double-click on either of the colors in the Color box to bring up the Colors dialog box. To select a color from the picture on the screen use the Pick Color function.







### Theme

Select a color theme from the drop-down list.

### Color Palette

The Color Palette provides 32 commonly used colors. A color is placed in the Color Box if you click on it, or right-click to choose a background color.

## Paint Section

	Paintbrush	Paint lines on the picture that follow the movement of the pointer.
	Line	Draw a straight line with the selected line width.
	Calligraphy	Click and drag to draw sculptured lines on the picture.
	Shapes	Add a shape to your picture.
	Flood Fill	Fill an area with the selected color.
	MiniPics	Select and add mini clipart pictures to the picture.









### Clipboard Block

The Clipboard Block shows the current selection that can be pasted into the work area.

### Overview Window

The overview window gives a small overview of the whole work area for the current picture and background.

## Selection Toolbar: Paint

	Box Select	Select part or all of the picture by drawing a rectangle. Alt, D, SB
	Freehand Select	Select part or all of the picture by drawing a line around the required area. Alt, D, SF
	Freehand Point Select	Select part or all of the picture by clicking a series of points to create an irregular outline of straight or curved lines around the required area. Alt, D, SP
	Ellipse Select	Select an elliptical area of the picture. Alt, D, SE
	Magic Wand Select	Select an area of the picture of similar color to the point where you click. Use the Tolerance settings to set the color variation for the Magic Wand selection. Alt, D, SW, 1-5
	Invert Selection	Select everything outside the current selection. Alt, D, SI, V
	Select All	Select all of the picture. Ctrl + A; Alt, D, SI, A
	Select None	Deselect all of the picture. Ctrl + Shift + A; Alt, D, SI, N

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