



User Guide

Version 1.2

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Introduction

Intwined Pattern Studio makes it easy to create a complete knitting pattern. A pattern is more than just a chart, and Intwined Pattern Studio has been developed with that in mind. Intwined Pattern Studio lets you to easily include any additional text or photos in the pattern. The finished pattern can be saved as a standard PDF file for printing or sharing with friends.

Intwined Pattern Studio allows you to create a pattern from beginning to end with just one software program. Our goal is to make Intwined Pattern Studio easy enough and flexible enough to fit your creative style, and yet powerful enough to be the only tool you need to design high-quality patterns.

We would like to hear your suggestions how we can improve Intwined Pattern Studio. You can visit our website at www.IntwinedStudio.com to share you ideas or comments, or call us toll-free at 1-800-339-0625. Tell us how we can make Intwined Pattern Studio the best knitting software for you.

Supported Operating Systems:

Windows XP/Vista/7

Mac OS X 10.4-10.6

Installation on Windows

Installation on Microsoft Windows is easy. After you have downloaded the installer from the website just double-click it to start the wizard shown below.



Illustration 1: First screen of the installation wizard

You don't need to change any of the options to successfully install Intwined Pattern Studio. Just click the Next button until you get to the end, and then click Finish.

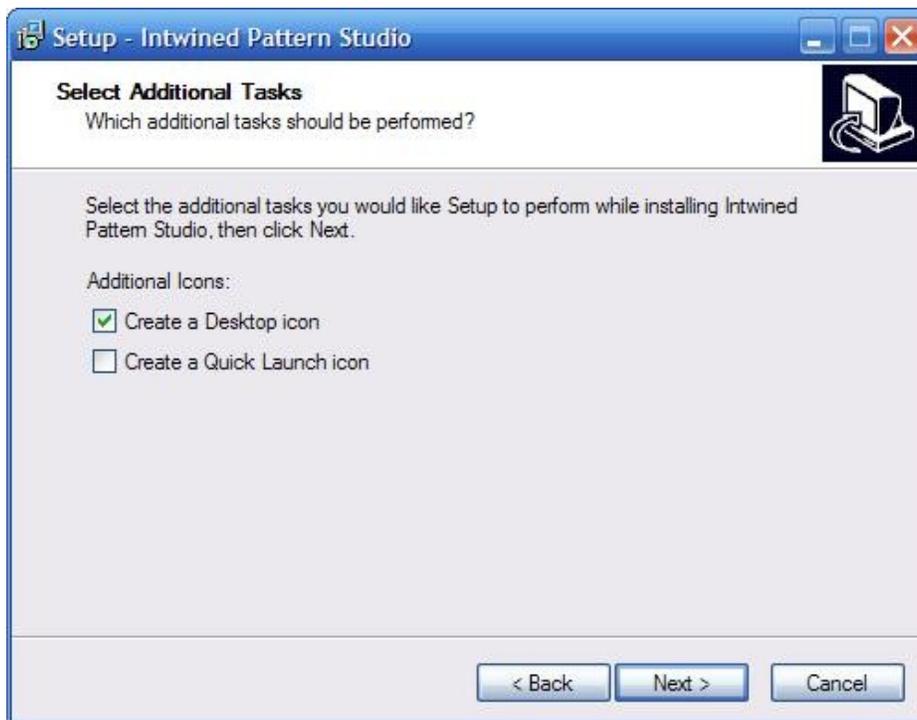
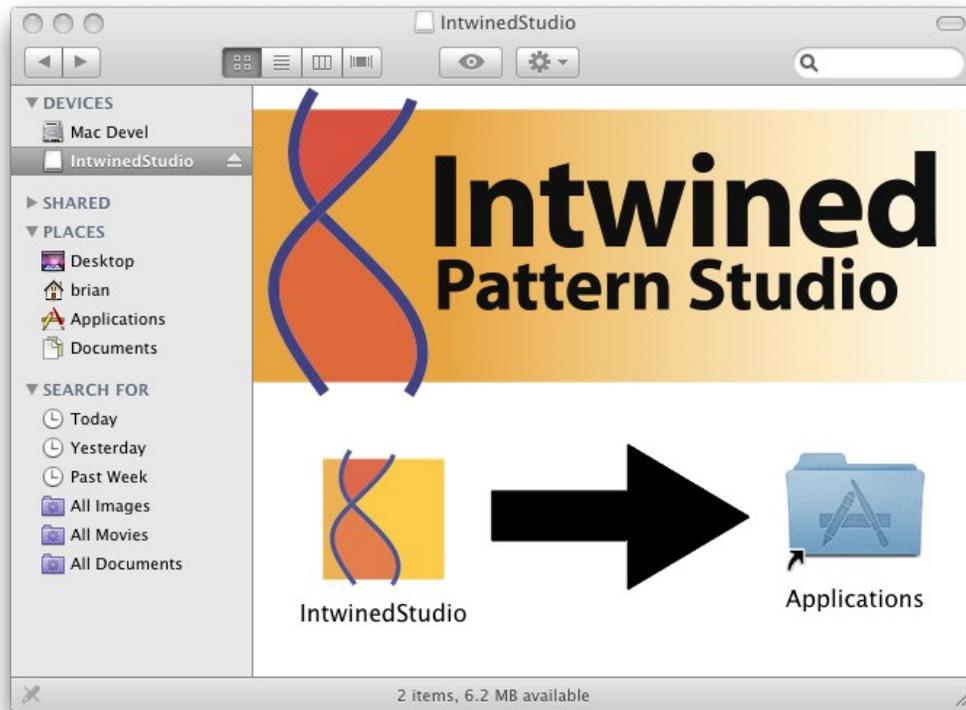


Illustration 2: Installation Options

Installation on Macintosh

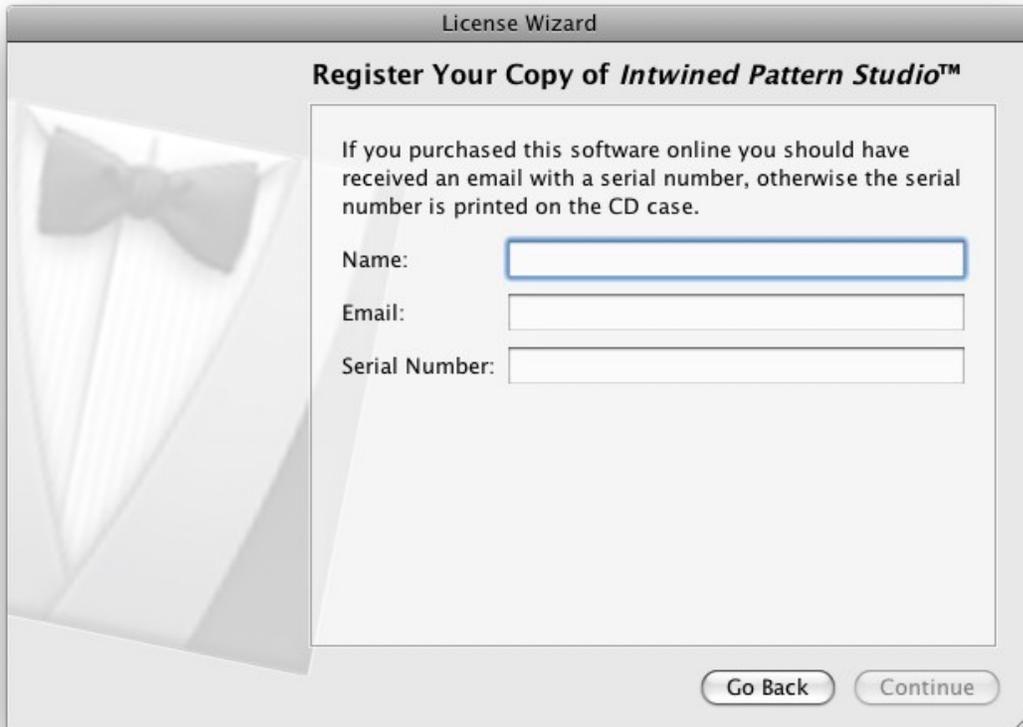
Once you've downloaded the application complete the following steps:

1. Open the downloaded .DMG file
2. Drag the Intwined Studio Application to the Applications directory.



Registering Intwined Pattern Studio

The first time you start Intwined Pattern Studio you will be prompted to enter your license information. If you purchased the software online, a license key should have been sent to you by email. If you did not receive your license key, or you are having any problem registering the software, please call us at 1-800-339-0625. You can also contact us by email at support@intwinedstudio.com.



The screenshot shows a window titled "License Wizard" with the subtitle "Register Your Copy of Intwined Pattern Studio™". On the left is a decorative image of a white tuxedo jacket with a bow tie. The main content area contains the following text: "If you purchased this software online you should have received an email with a serial number, otherwise the serial number is printed on the CD case." Below this text are three input fields: "Name:", "Email:", and "Serial Number:". At the bottom right of the window are two buttons: "Go Back" and "Continue".

Illustration 3: The registration page

You only need to complete the software registration process once. After you have successfully entered your software registration key, it will be stored for future reference.

After the registration is complete, you will see the main software window.

Using Intwined Pattern Studio

Creating a Chart

Let's start exploring what the software can do by creating a new document.

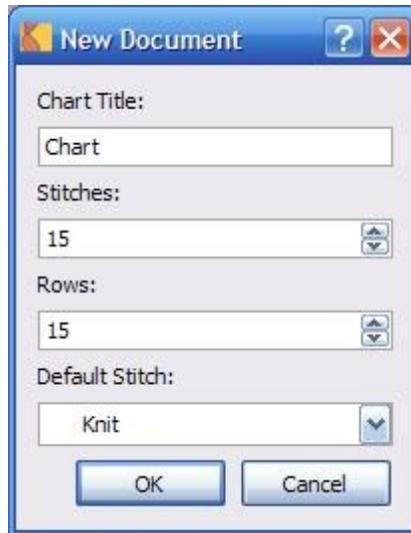


Illustration 4: New document dialog

At this point you can select the title of this first chart. For example, if you were creating a pattern for a sweater you might call this first chart "front" or "sleeve". You can choose to change the size of the chart, or fill the chart with something other than knit work for the default. After pressing "OK", you will be presented with the new document and chart.

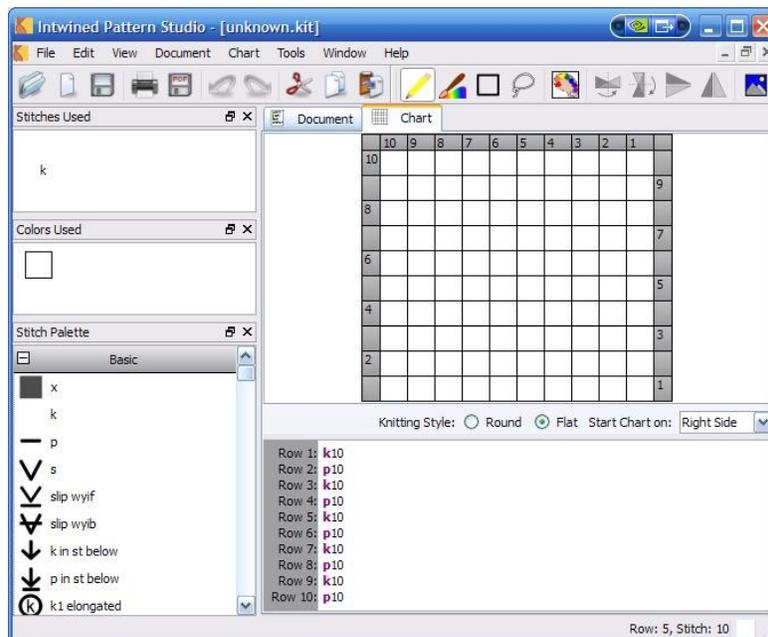


Illustration 5: The main window with a new document

Stitch Set – The stitch palette displays the list of available stitches from the Stitch Library. Use the scroll bar to see all of the stitches, and click on one to select it. You can also click on the section headers to collapse or expand the sections.

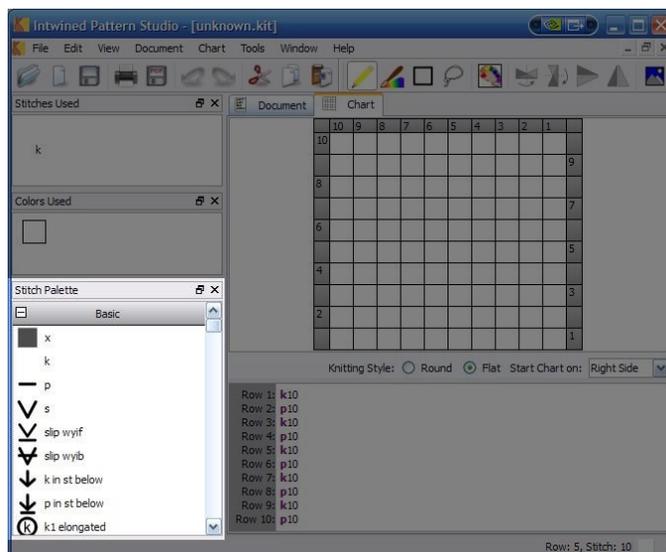


Illustration 6: The highlighted section is the Stitch Palette

Stitches and Colors Used - Once you've added several different stitches and colors to the chart you will notice in the upper left hand side of the application there are two sections called "Stitches Used" and "Colors Used" these lists allow you quick and easy access to the stitches and colors used in the current pattern.

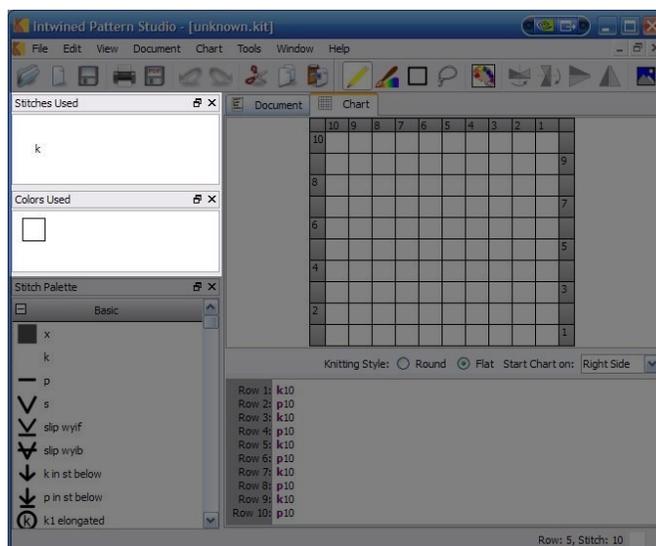


Illustration 7: The highlighted section is the Stitches and Colors Used

Charts and Instructions - When you edit the chart by drawing stitches on the screen, Intwined Pattern Studio translates the chart into written text instructions at the same time. The written instructions are correctly translated for flat or round knitting, and right side and wrong side rows are handled correctly. Creating charts with matching written instructions has never been easier.

If you prefer to type the text instructions rather than draw the chart with the mouse, Intwined Pattern Studio lets you edit the instruction text by typing directly in the instructions window. The software will automatically edit the chart to match the text, and keep the chart and text instructions synchronized as you complete each row/round. It will correctly interpret the instructions respecting flat or round knitting, and right side and wrong side stitches.

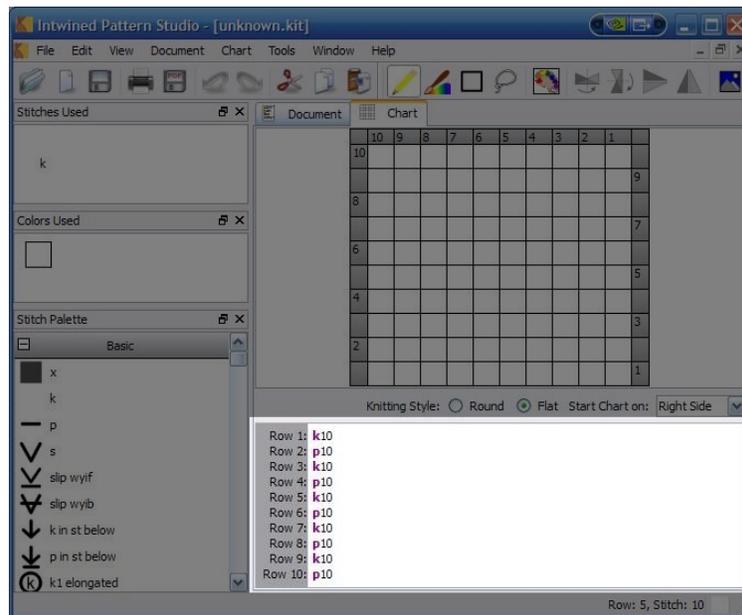


Illustration 8: The highlighted section is the Instructions pane

Creating a PDF – To create a PDF you must use the document tab first. On the Document tab add the chart, instructions, and key using "Format" >> "Insert Chart" or the tool bar option "Insert a Chart into this Document". At this point you can add any additional text or images as the Document tab is a basic word processor. Once you've completed your document you can then goto "File" >> "Export to PDF" or click on the "Export this Document to PDF" icon on the tool bar.

Editing A Chart

Selecting A Stitch - Intwined Pattern Studio includes dozens of stitches and cables in the standard stitch palette, located in the lower left corner of the main window. You can select a stitch from the stitch palette by clicking on it. This makes it the currently selected stitch.

If you want to use a stitch that is not included in the standard stitch palette, Intwined Pattern Studio allows you to add custom stitches to the standard library of stitches, with your own icons. Custom stitches will be covered in more detail later in this user guide.

Stitch Painting Mode – To edit the chart, you can “paint” a stitch by either clicking on individual cells one at a time, or you can hold down the left mouse button and drag the mouse pointer across several cells, to draw multiple stitches at one time.

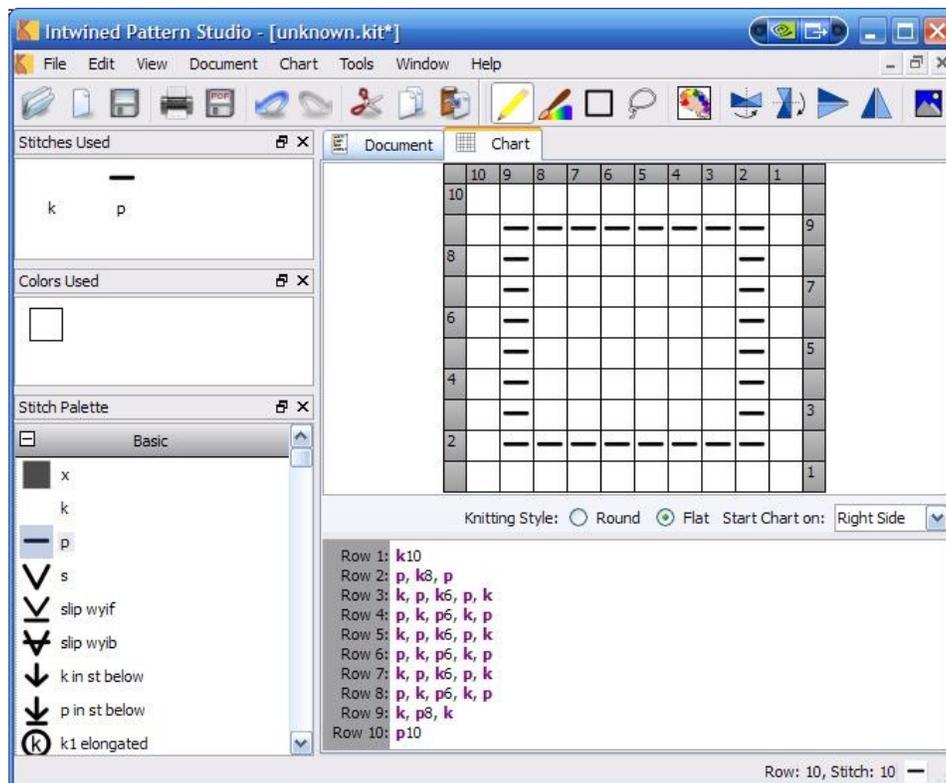


Illustration 9: A new document with a basic pattern, using the Stitch Painting Mode

Select a Color - The Color Selector allows you to select any color and apply it to the chart while you add stitches or borders, or you can change to the Color painting mode and change the color of cells without change the stitches.



If you change the color after selecting stitches in lasso mode you will change the color of the selected stitches. The selected color applies to multiple modes. If you select a color it will be used in the Stitch Painter, Color Painter, and Border Painter modes. Selecting a color after selecting a group of stitches in the Lasso Mode will change the color of the selected stitches. To clear a selection just click off the grid in the white space.

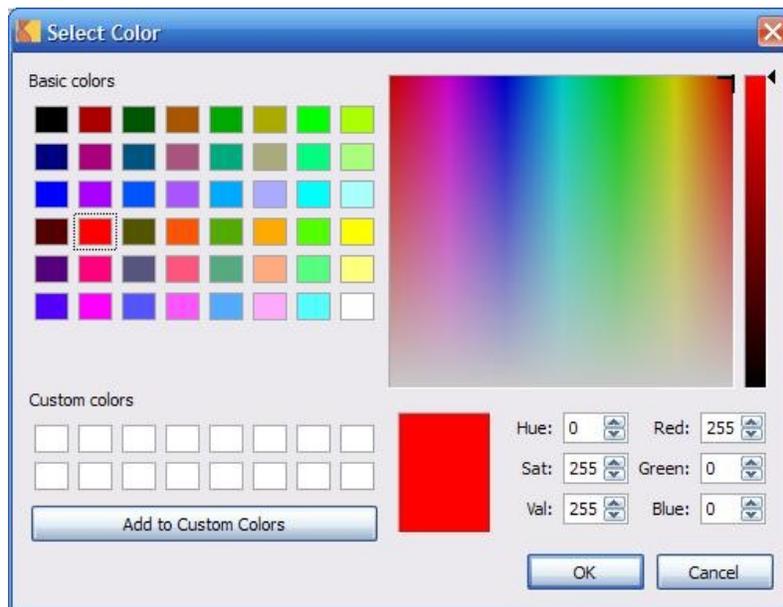
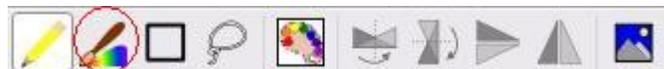


Illustration 10: Color Selector with red selected

Color Painting Mode – This mode will allow you to draw on the Chart with the selected color. This mode will not change the stitch of the cell, just the color. You can use it similarly to the Stitch Painting Mode in that you can either paint the individual cell or you can click and drag to paint multiple cells at one time. You can change the color by using the "Select a Color" feature.



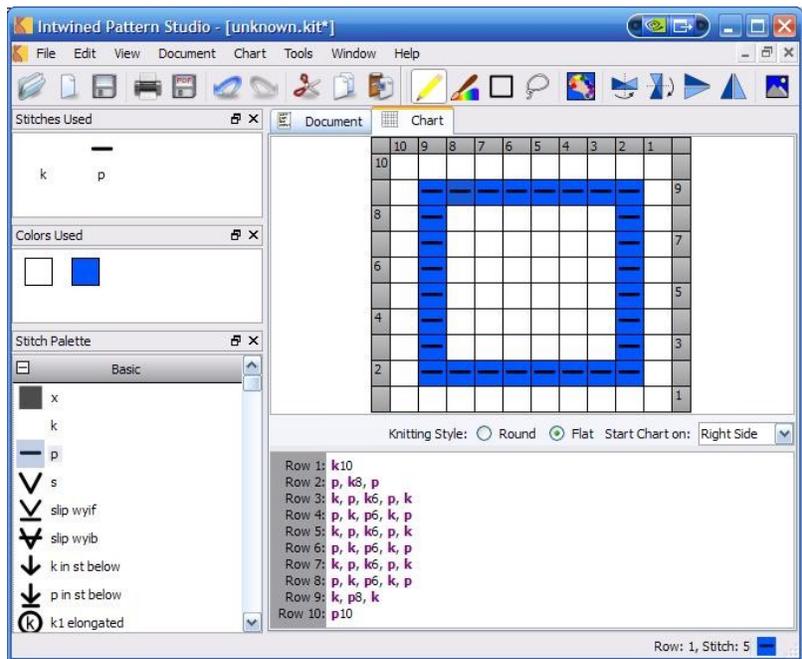


Illustration 11: Doc with color added using Color Paint Mode

Border Mode – This mode allows you to draw borders around cells.



Just click and drag tracing the edges of the cells you want to draw borders around. You don't have to stay on the line, just stay within half a cell of the edge you want to draw. You can change the color of the border before you start to draw the border by using the "Select a Color" feature. To remove a border right click and drag along the border. On Mac you can also hold down Control + mouse button.

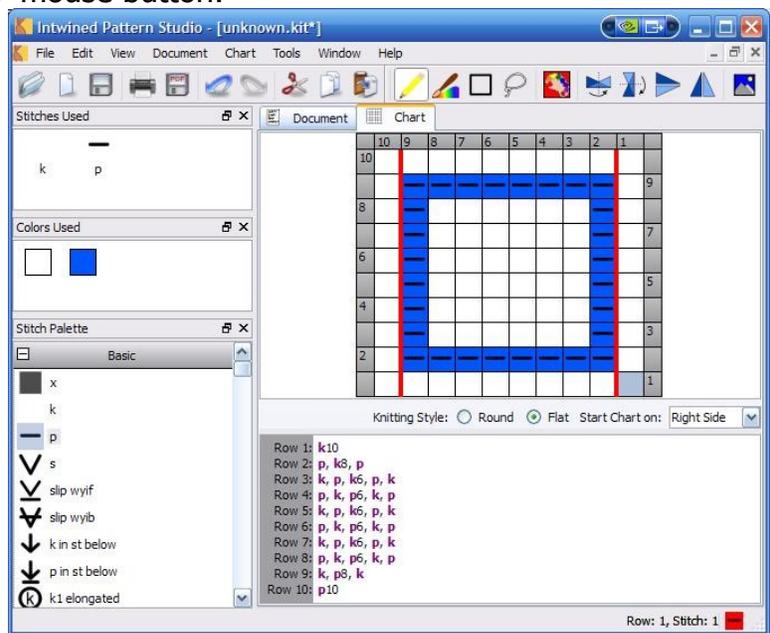


Illustration 12: The red borders were added in Border paint Mode

Lasso Mode – This mode allows you to select sections of the chart to copy, cut, paint, flip, or mirror.



Click on any cell and drag to any other cell, the Lasso will automatically include all cells in the region between where you started and where the mouse is, or where you release the mouse button. Once you've selected the region you can use other tools to change the selected cells. If you select a stitch all the selected cells will automatically be set as the new stitch, change the color the cells get the new color.

The Lasso will persist so that you can use it repeatedly without having to reselect it, which means that once you've finished using the Lasso you should switch to another mode to continue your work.

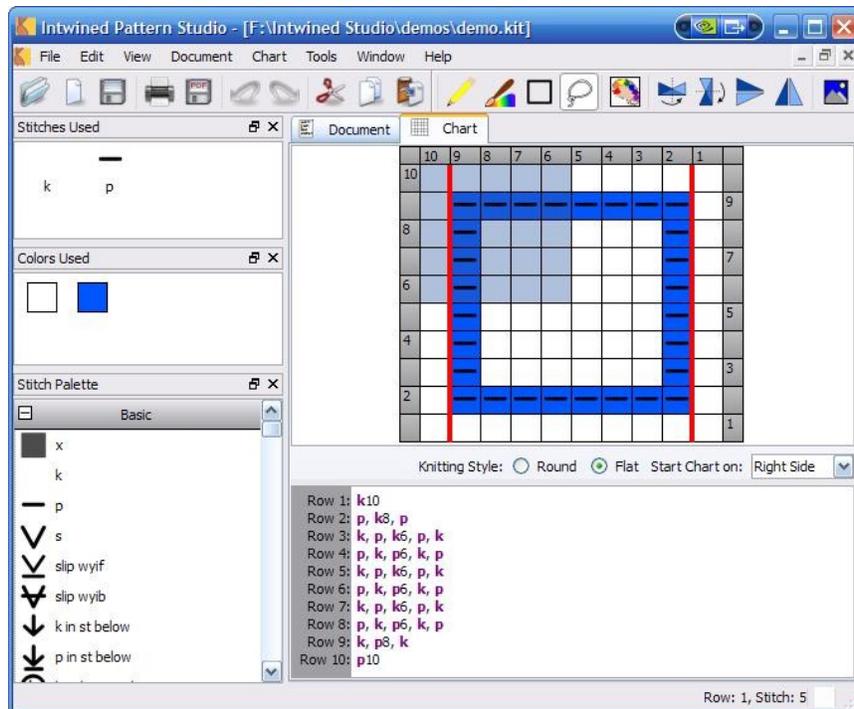


Illustration 13: Selection from 6,6 to 10,10

Flip Selection Horizontally – This will flip the selection in-place in a horizontal direction.



Flipping a selection does not move the borders that are drawn on the chart.

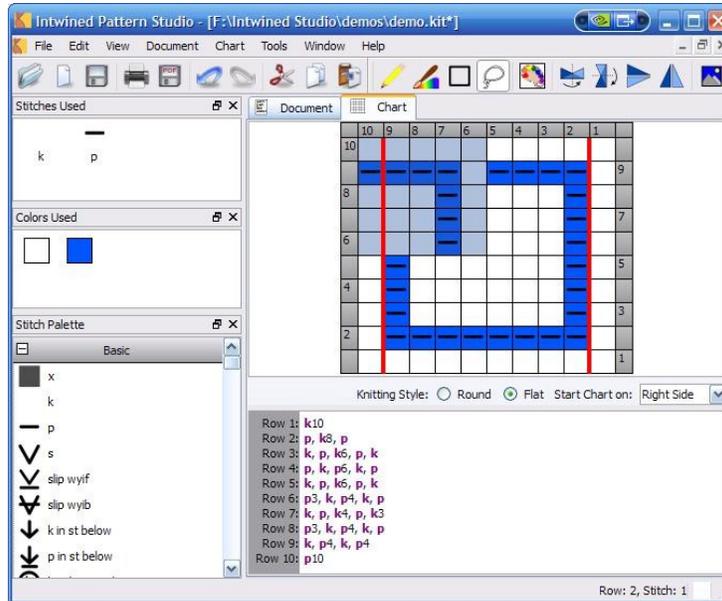


Illustration 14: Selection flipped horizontally

Flip Selection Vertically – This will flip the selection in-place vertically.



Flipping a selection does not move the borders that are drawn on the chart.

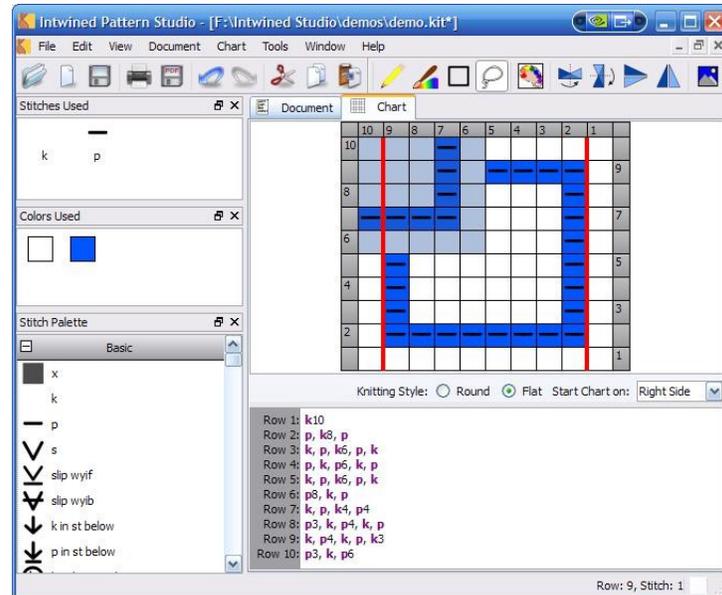


Illustration 15: Selection flipped Vertically

Mirror Selection Vertically – This will mirror the selection to the bottom.



Mirroring a selection does not copy any borders that are drawn on the chart.

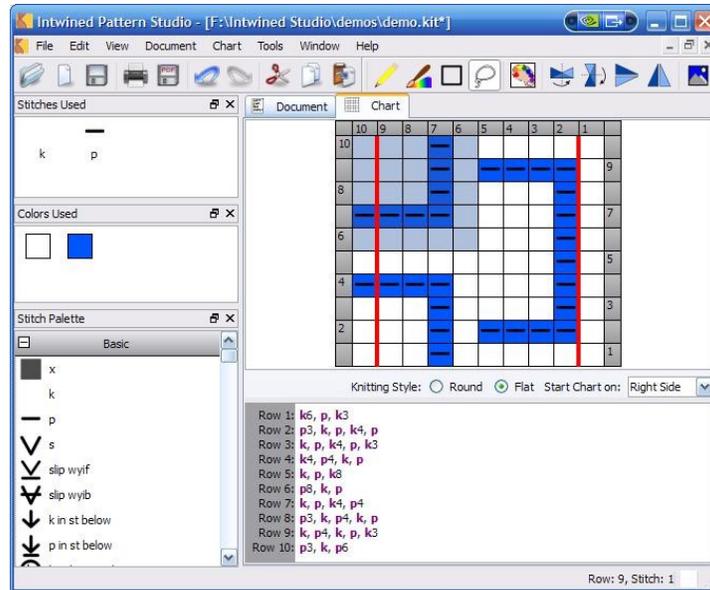


Illustration 16: Selection mirrored vertically (down)

Mirror Selection Horizontally – This will mirror the selection to the right. Mirroring a selection does not copy the borders that are drawn on the chart.

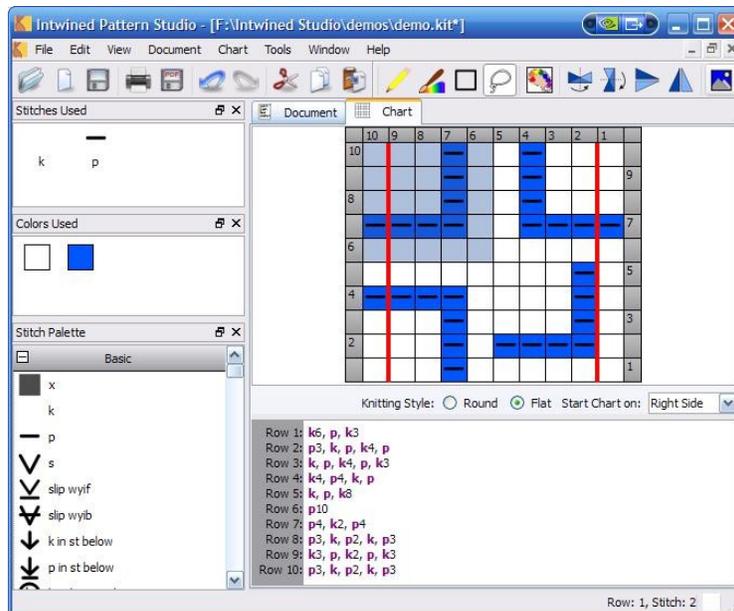


Illustration 17: Selection mirrored horizontally (right)

Save Chart as Image – This will allow you to export this chart to an image. You can save the image in the following file formats: jpeg, svg, png, bmp, and tiff.

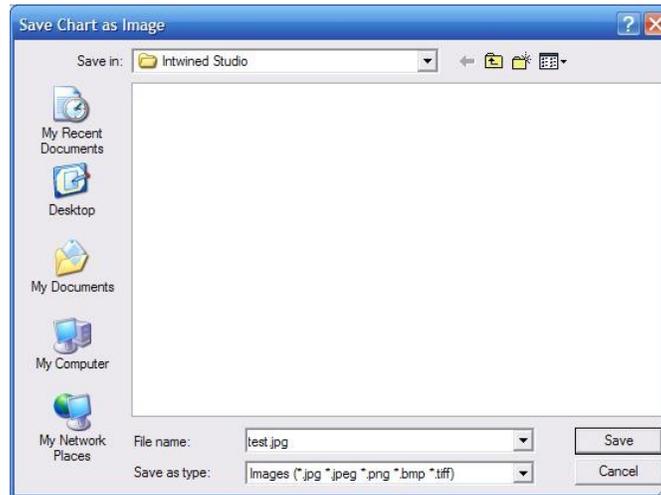
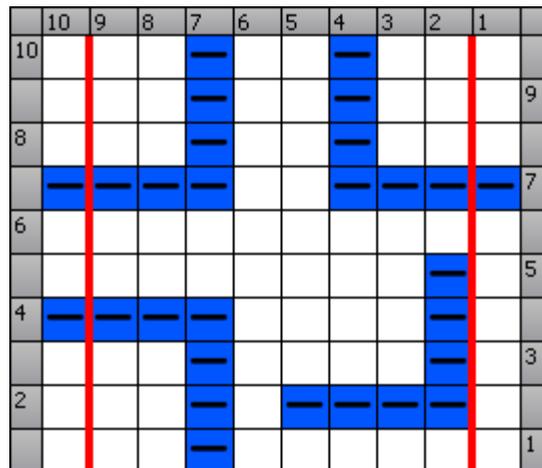


Illustration 18: Export dialog for saving as image

Here is a sample of what a chart might look like saved as an image file:



You can add or remove multiple charts to the document by using the "Add Chart..." and "Remove Chart..." Options found under the Document Menu.

Save Key as Image – “Document” >> “Save Key as Image” will save the document key as an image. Below is an example of a document key saved as an image. You can export the key in the following formats: jpg, svg, png, bmp, and tiff.

Key:	
	Knit k
	(RS) Knit (WS) Purl
	Purl p
	(RS) Purl (WS) Knit

Zoom In / Zoom Out – Increase and decrease the size of the chart. This option can be activated in the following ways:



- In the “Chart” menu or on the tool bar, click on the “Zoom In” / “Zoom Out” icons
- On Windows
 - Using the keyboard, hold down the Ctrl key and press “+” or “-” (plus or minus)
 - Scroll the mouse wheel while holding down the Ctrl key on the keyboard
- On Mac
 - Using the keyboard, hold down the Command key and press “+” or “-”
 - Scroll the mouse wheel while holding down the Command key on the keyboard

Highlight a Row or Column – To select a row or column click on the header above the column or to the left or right of the row. If you highlight a column or row on a Chart you can use the arrow keys to move the highlight from row to row or column to column. This is useful if you are reviewing a chart or comparing it to a hand written chart or using the software to keep track of your place on the chart while knitting.

Insert Rows – You can insert Rows into a chart by selecting the row header and going to the “Chart” menu and selecting either “Insert Row Above” or “Insert Row Below”.

Insert Stitches (Columns) – You can insert Columns into a pre-existing chart by selecting the column header and going to the “Chart” menu and selecting either “Insert Column Left” or “Insert Column Right”.

Remove Rows – You can remove rows by selecting the one or more rows then pressing the delete key on the keyboard, or selecting “Remove Row(s)” from the “Chart” menu. Select one row by clicking on its header. To select more than one row, click and drag across multiple row headers.

Remove Stitches (Columns) – You can remove columns by selecting the one or more columns then pressing the delete key on the keyboard, or selecting “Remove Column(s)” from the “Chart” menu. Select a single column by clicking on its header. To select more than one

column, click and drag across multiple column headers.

Replace a Stitch – Replace all occurrences of a stitch on a chart with another stitch.

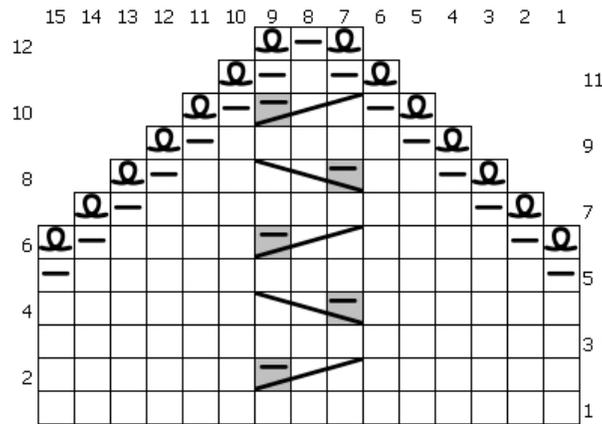


Illustration 19: Before using Replace a Stitch



Illustration 20: Replace a Stitch dialog

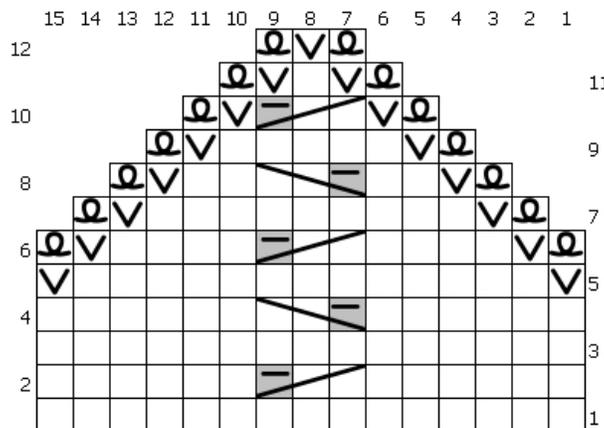


Illustration 21: After using Replace a Stitch

Changing Row/Stitch Numbering – You can change the row and stitch numbering of the chart by changing the Starts on Row/Column fields located on the divider between the chart and instructions, see Illustration 22. Also selecting Skip Every Other Row will effect the chart numbering.

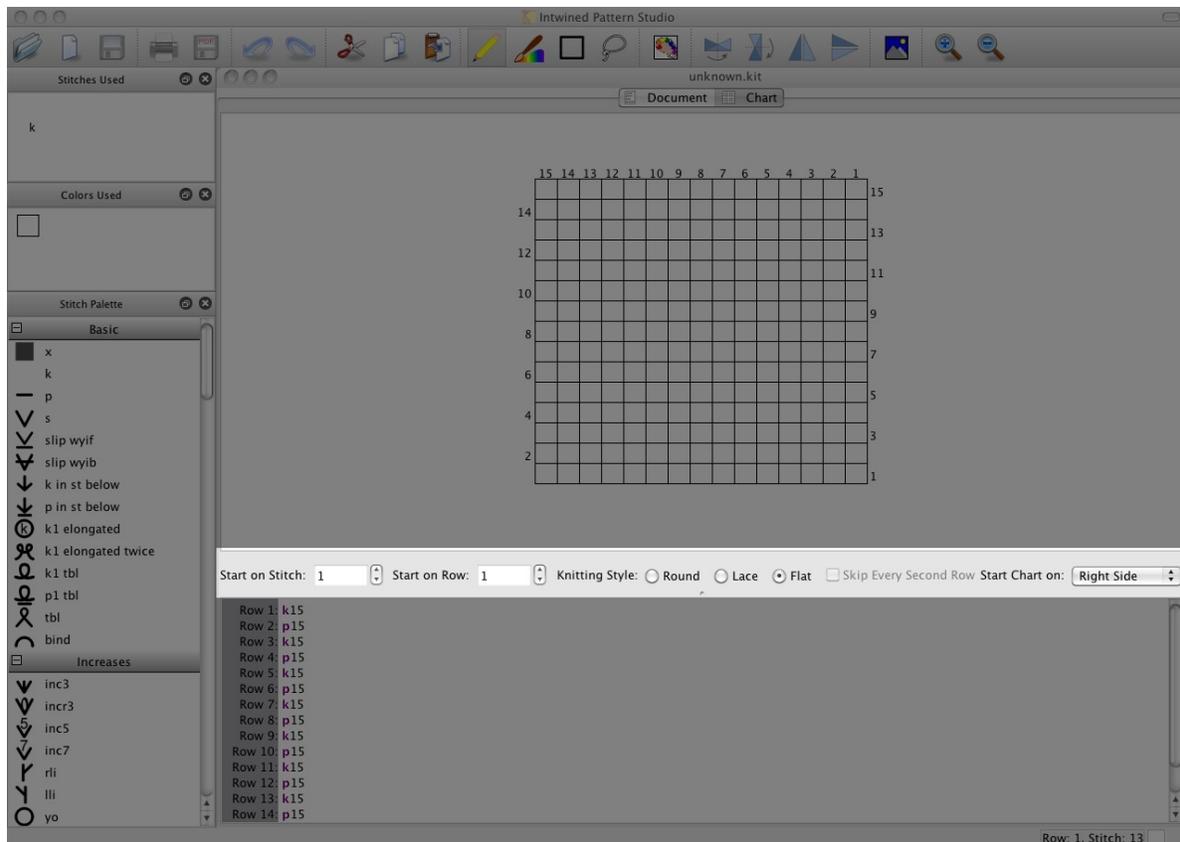


Illustration 22: The divider bar contains settings for chart numbering and changing how the written instructions are displayed

Knitting Style – Changing the Knitting Style effects how the instructions are generated when you are drawing on a chart, or how the instructions are interpreted when typing them into the Instructions window. Intwined Studio will apply the following rules:

Round: All the instructions are written right side only, and the chart numbering is done on the right side of the chart.

Flat: The instructions are written as right side and wrong side, and you can optionally choose to start the chart on the wrong side. The chart is numbered alternating right and left sides.

Lace: All the instructions are written right side only, and the chart is numbered alternating right and left sides. Also you can optionally skip every other row, or choose to start the chart on the wrong side.

Stitch Library



Illustration 23: Main window of the stitch library

Intwined Pattern Studio includes a standard Stitch Library which includes dozens of different stitches and cables. We've done our best to use common icons for common stitches, but since there is no universal standard, we let you change the icon for any stitch, if you don't like the default selection.

If you want to use a stitch that is not included in the standard Stitch Library, Intwined Pattern Studio allows you to add your own custom stitch, or a complete set of stitches. Your custom stitches can also use your own custom icons, if you like.

If a custom stitch is used in a pattern, the stitch icon and description are saved with the pattern file, so the stitch will automatically be available if the pattern file is opened by another user of Intwined Pattern Studio.

We've supplied a couple of the most common alternative icons for knit, and purl. If you want to use these alternative icons rather than the default icons, click on the Knit or Purl icon in the Stitch Library window, then when the editor window opens, select the drop down list and find knit.svg or purl.svg as the alternative to the standard icons which are named k.svg and p.svg.

Creating Custom Stitch Icons

To create a custom stitch we recommend making the images with a canvas size of 64x64 pixels. If you want to make your images scale well and use transparency we recommend using Inkscape (www.inkscape.org) to create SVG icons. If you want to make your stitch icons match ours, we use a stroke width of 8.0 with round joins and caps.

Intwined Pattern Studio also supports .png, .gif, and .jpg image formats. Please note if you use jpegs they will not have transparency and will not support colors behind the stitches when used in a chart.

If you are making a cable you will need to make one image (64x64) for each cell that the cable should cover.

Adding A Custom Stitch

Before you make a custom stitch or cable, you may want to watch [this youtube video](#) that demonstrates how to add custom stitches to the stitch library.

1. Create an image for the stitch or you can re-use our images if you'd rather.
 - a. If you're creating your own images open your favorite drawing application create a new image with 64x64 dimensions (Using Inkscape under "File" >> "New" there is an option called icon_64x64)
 - b. Draw the stitch.
2. Go into Intwined Studio, into the Stitch Library and create a new stitch using the "Add Stitch" button. Give the new stitch an abbreviation. Fill in any other information you want for that stitch.

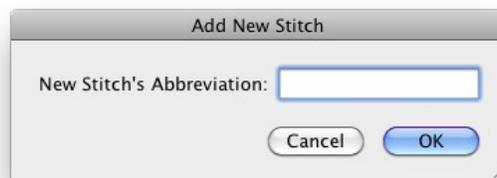


Illustration 24: New Stitch dialog

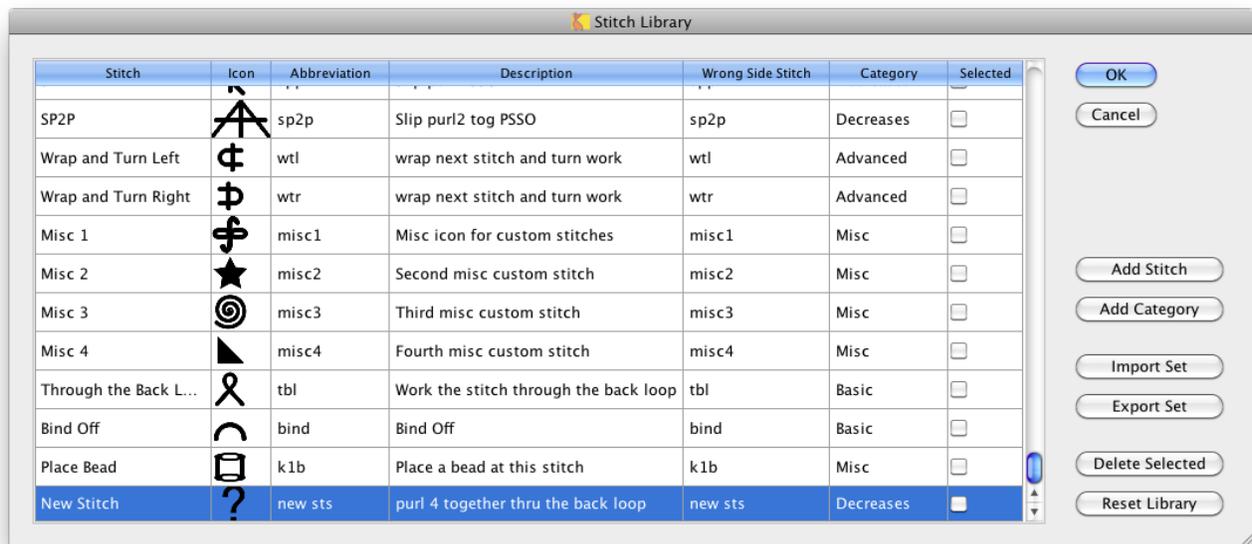


Illustration 25: A new stitch added to the library

- Click on the "?" that is currently displayed as the Icon. Click on "Add Icon" in the dialog that appears and import the icon for this stitch.

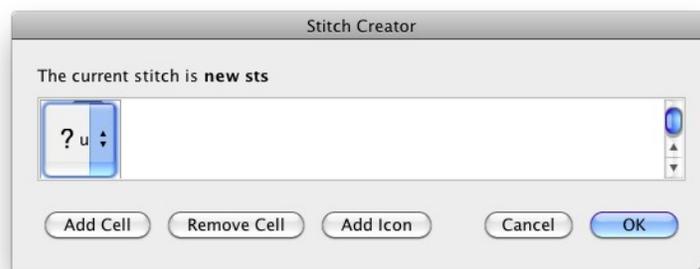


Illustration 26: Adding an image to our new stitch

- Select the icon for the stitch.

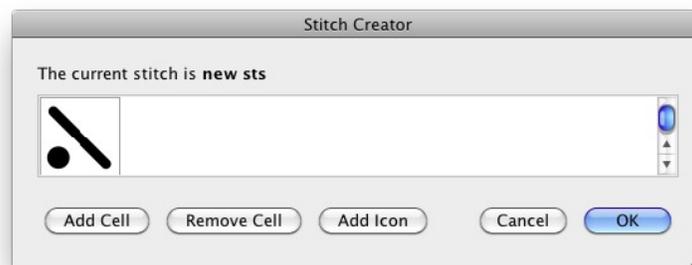


Illustration 27: New image selected for the stitch

- Click "Ok" out of the dialog and the Stitch Library when you are done.

Adding A Custom Cable

Before you make a custom stitch or cable, you may want to watch [this youtube video](#) that demonstrates how to add custom stitches to the stitch library.

6. Create an image for the stitch or you can re-use our images if you'd rather.
 - a. If you're creating your own images open your favorite drawing application create a new image with 64x64 dimensions (Using Inkscape under "File" >> "New" there is an option called icon_64x64)
 - b. Draw the portion of the cable that should show up in the first cell.
 - c. Repeat (a) and (b) until you've drawn the whole cable.
7. Go into Intwined Studio, into the Stitch Library and create a new stitch using the "Add Stitch" button. Give the new cable an abbreviation. Fill in any other information you want for that cable.

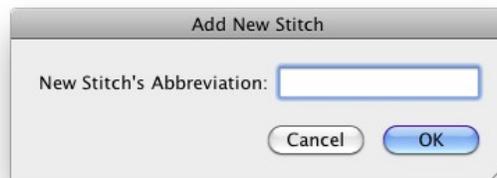


Illustration 28: New Stitch dialog

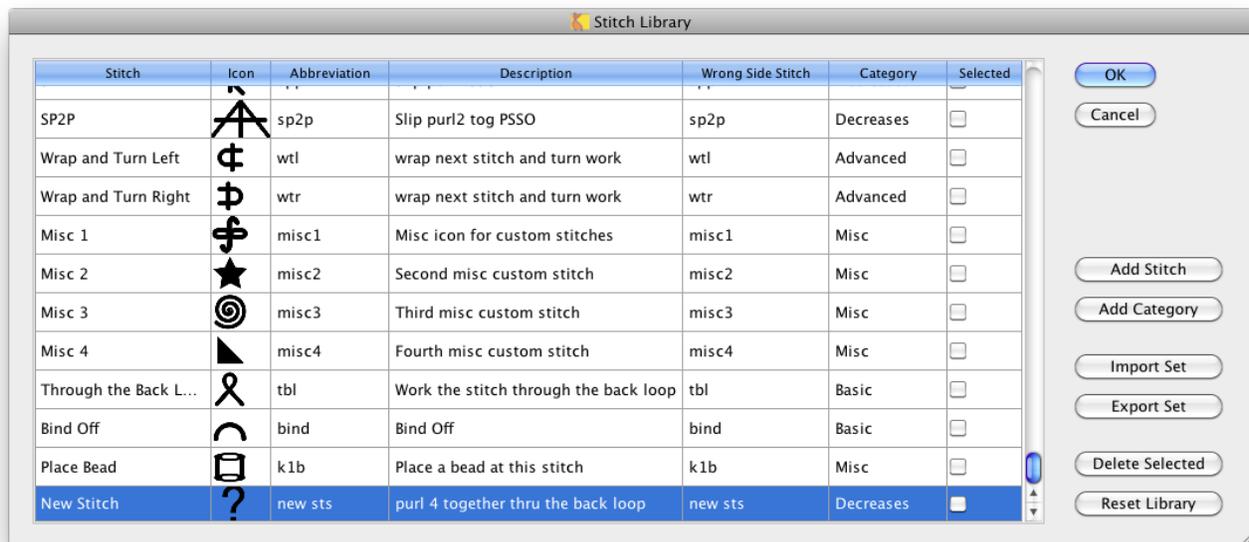


Illustration 29: A new stitch added to the library

8. Click on the "?" that is currently displayed as the Icon. Click on "Add Icon" in the dialog

that appears and import the icon for this cell of the cable. Repeat until all the icons have been brought into the library.



Illustration 30: Adding an image to our new stitch

9. Select the first icon for the cable.

10. Click "Add Cell" and add the next icon in the new cell that appears. Repeat until done.

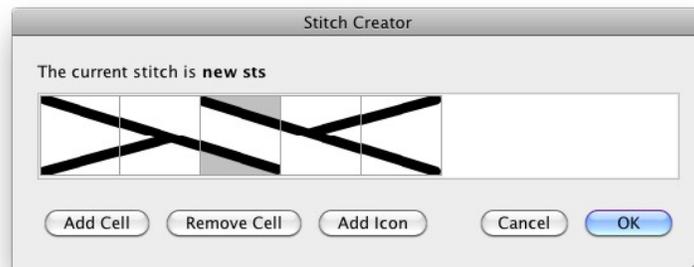


Illustration 31: The completed cable

11. Click "Ok" out of the dialog and the Stitch Library when you are satisfied with the results.

Document Tools

The document tools are for basic text editing and work like a word processor, with a few additional options for easily including the Chart, Stitch Key, and line-by-line Instructions.



Font Selection – Select the font for the selection of text

Font Size Selection – Select the font size for the selection of text

Bold – Make the selected text bold

Italic – Make the selected text italic

Underline – Underline the selected text

Left Justify – Left Justify the current paragraph or selected paragraphs

Center Justify – Center Justify the current paragraph or selected paragraphs

Right Justify – Right Justify the current paragraph or selected paragraphs

Justify – Justify the current paragraph or selected paragraphs

Foreground Color – Change the color of the font

Background Color – Change the color of the background

Insert Link – Insert a Hypertext or web link into the document

Insert Ordered List – Add an numbered list to the document

Insert Unordered List – Add a bulleted list to the document

Insert Image – Insert an image into the document. If you want to add a picture showing the final product, a logo, or any image that will enhance the final look of your document, you can add it from here. The Following image formats are supported: jpeg, png, gif, bmp, tiff

Insert Chart / Instructions / Document Key – If you insert a Chart or a Document Key into the document, Intwined Studio will key them in sync with the live charts.

The instructions will **not** be updated after they are initially added to the document, which means if you change the chart you will need to either re-insert the instructions or edit them by

hand. Leaving the instructions unchanged allows you to make additions and add sizing information without having to worry about losing your modifications when making changes to the chart.

Insert Page Break – Insert a forced page break into the document, page breaks do not show up in the document, but will effect the final printing or PDF of the document.

Miscellaneous Features

Auto-Save

Intwined Patterns Studio will quietly and automatically save your pattern every few minutes while you are using the software. In the event of a power failure, or any kind of computer or software crash, you will not lose more than a few minutes of your work.

Auto-Restore

If you like to work on a pattern for awhile, quit, and then return later to keep working on the same pattern, Intwined Pattern Studio will remember what you were working on before you shut down the software. As long as you don't close the individual files, the next time you start Intwined Pattern Studio, it will restore any files you had open.

These features are all accessible in the options/preferences.

Check for Updates



Minor improvements, bug fixes, and additional features are available automatically as part of our free software updating system. To make it easy for you to get those updates Intwined Pattern Studio automatically checks for updates and notifies you when they are available. Intwined Pattern Studio will prompt you with a popup message box whenever an update is available, and offer to download and start the installation process. This check will be done quietly behind the scenes and only notify you when something new is available.

If you don't want Intwined Studio to automatically check for updates you can disable this feature on the Options/Preferences screen by un-selecting the "Check for Updates on Startup" option.

All of the Intwined Pattern Studio Options and Preferences are described in more detail in the next section of the User's Guide.

Options and Preferences

The options screen allows you to change the settings for Intwined Pattern Studio. You can change the standard settings for a new chart and how that chart should look, among other settings. The complete list of settings is detailed on the following pages.

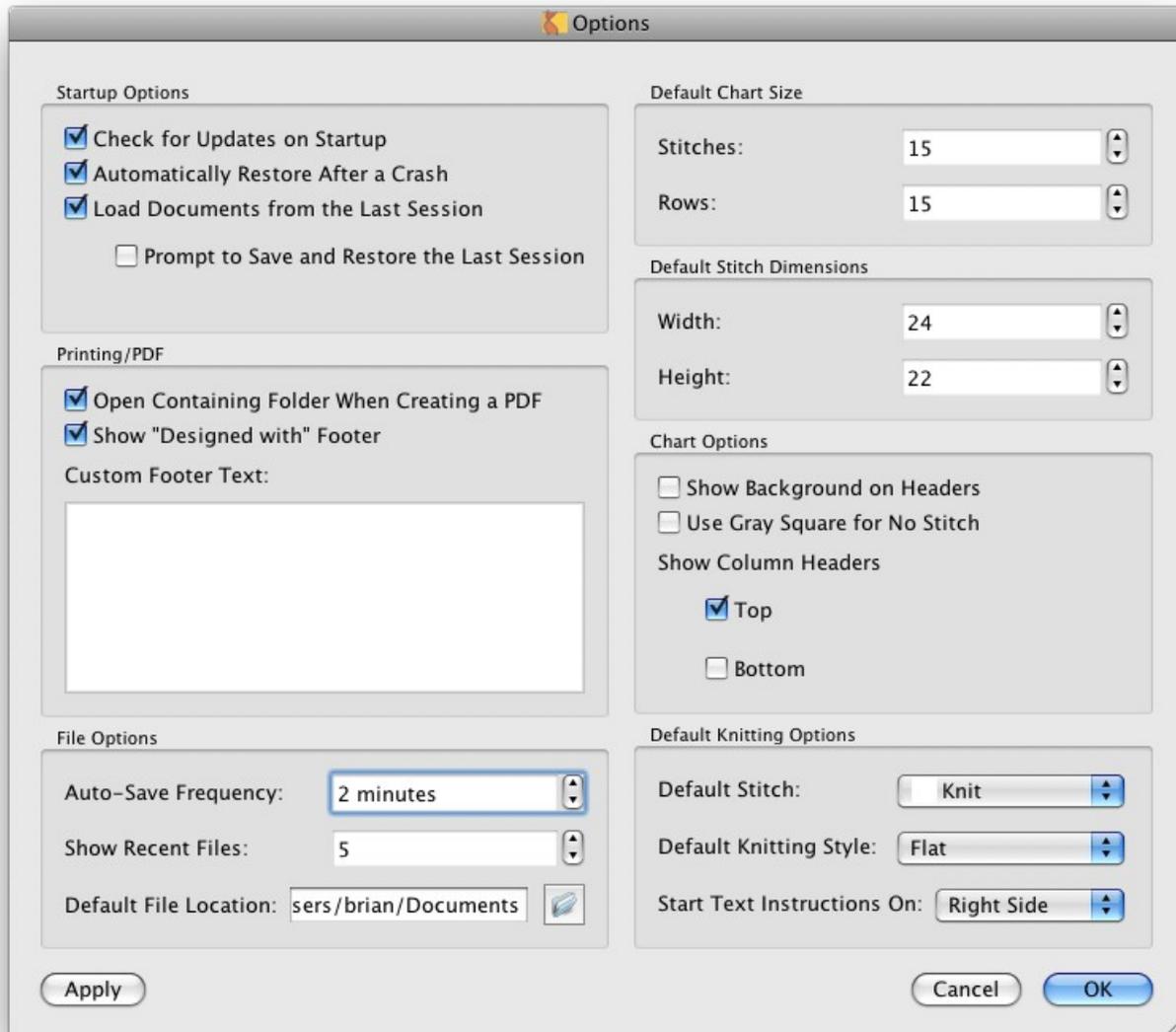


Illustration 32: Intwined Studio options form

Startup Options

Check for Updates on Startup – Whenever you start the application it will check for updates from our server.

Automatically Restore After a Crash – Should your computer or our software crash when you start Intwined Studio after the crash it will prompt for you to restore any files that

were open at the time of the crash.

Load Documents from the Last Session – There are times when you have to shutdown your computer when you haven't finished working on a document. With this feature checked any documents you were working on the last time you were in Intwined Studio will automatically open without having to select anything.

Prompt to Save and Restore the Last Session – This will prompt you to save and restore your sessions instead of doing it automatically giving you more choice in when sessions should be opened and closed.

Printing/PDF

Open Containing Folder When Creating a PDF – This will open the folder containing the pdf you just created, when you create a pdf. This feature works on MS Windows only.

Show "Designed with" Footer – This will show the text "Designed with Intwined Pattern Studio (intwinedstudio.com)" at the bottom of a printout or pdf.

Custom Footer Text – The text that you enter into this field will show up on the bottom of every page of any documents you create with the built-in editor.

File Options

Auto-Save Frequency – This feature allows you to determine how often you want Intwined Studio to automatically save your files.

Show Recent Files – How many files should be shown in the File Menu's recent files list.

Default File Location – This is the default folder that will be used when opening/saving any files used in the application, by default it is the user's documents folder.

Default Chart Size

Stitches – When you go to create a new document this is the number of stitches it will assume as a default.

Rows – When you go to create a new document this is the number of rows it will assume as a default.

Default Stitch Dimensions

Width – The width of the stitch as it's drawn on screen.

Height – The height of the stitch as it's drawn on screen.

Chart Options

Show Background on Headers – Use gray as the header background color. Un-checking this option will use white background without header borders, showing just the numbers.

	10	9	8	7	6	5	4	3	2	1	
10											
											9
8											
											7
6											
											5
4											
											3
2											
											1

Illustration 33: With background headers

	10	9	8	7	6	5	4	3	2	1	
10											
											9
8											
											7
6											
											5
4											
											3
2											
											1

Illustration 34: Without background headers

Use Gray Square for No Stitch – Use a gray square to represent an “x” or No Stitch on the chart. Un-checking this option will use white without a grid.

	10	9	8	7	6	5	4	3	2	1	
10											
											9
8											
											7
6											
											5
4											
											3
2											
											1

Illustration 35: Use Gray Square for No Stitch

	10	9	8	7	6	5	4	3	2	1	
10											
											9
8											
											7
6											
											5
4											
											3
2											
											1

Illustration 36: Un-check Use Gray Square for No Stitch

Show Column Headers Top/ Bottom – Optionally show the column headers above and/or below the stitch columns.

Default Knitting Options

Default Stitch – The stitch that is used by default when creating a new document.

Default Knitting Style – This feature effects how the directions are initially translated when a new document is created. The options are Round or Flat.

Start Text Instructions On – This feature effects how the directions are initially translated when a new document is created. The options are to start the chart on the right side, or wrong side.

Troubleshooting

In the event that Intwined Pattern Studio program “crashes”, or if you find an error, a software “bug”, or any problem with the software, we would really like to know about it, so that we can make a correction as quickly as possible. The first person to report any confirmed bug will receive yarn and a thank-you card from our staff.

Please call us toll-free at 1-800-339-0625, or email us at support@intwinedstudio.com.

Thank you, and we hope you enjoy Intwined Pattern Studio.