
Version 1.0.42.0



ABM International
INNOVA
PantoVision T2
USER INTERFACE MANUAL



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Introduction

ABM International would like to thank you for the purchase of a PantoVision T2 Digital Pantograph System for your Innova Quilting Machine. ABM is confident that this system will meet or exceed your expectations for cost, speed and durability.

If at any time you experience problems with any of your ABM products, we ask that you contact your nearest Dealer or us directly- 24 hours a day by calling our service department at (888)99-Quilt. We can help you solve the problem quickly, and correctly. Your calls, questions, and comments will in turn help us to perfect the quality of our products and services in the future.

Once again, we thank you for your purchase.

ABM International, Inc.

Engineering Department

Safety

Safety Introduction

As with the operation of all machinery, safe operation of the PantoVision T2 Digital Pantograph System and Innova quilting machine is a major concern of ABM International, Inc. The purpose of this section is to inform the owner/operator further referred to as "User" of the safe and prudent operation of an Innova quilting machine when equipped with PantoVision T2 Digital Pantograph System.

We have attempted to recommend the most effective methods and calculations to warn against actions that could result in personal injury or make equipment unsafe. It is important to understand that ABM cannot anticipate or list all conceivable safety methods and warn of all the possible hazards. In the interest of promoting safety, ABM advises that the user should always make sure that personal safety and the safe operation of the machine will not be adversely affected by their actions.

It is imperative that the User of the Innova with PantoVision T2 Digital Pantograph System read and understand the information in this manual before operating the machine.

Safety Practices

These safety factors must be observed to ensure safe operation of a PantoVision T2 Digital Pantograph System equipped Innova.

- Read and understand the operating instructions of the PantoVision T2 Digital Pantograph System and Innova before operating.
- Use caution when working around the PantoVision T2 Digital Pantograph System electrical controls.
- Keep hands or other body parts away from the moving parts of the PantoVision T2 Digital Pantograph System.
- Stop the PantoVision T2 Digital Pantograph System immediately at any sign of malfunction or danger.
- Do not reach into the Innova sewing area at any time during the operation of the machine.
- Do not climb, walk, or stand on the Innova at any time.
- Do not tamper with installed motor guards and or safety devices.
- Before starting the Innova or PantoVision T2 Digital Pantograph System, ensure that no loose tools, needles, or parts are lying in or on any part of the machine.

- Always disconnect the power when working on the machine.
- Do not wear loose clothing or jewelry when operating the Innova or PantoVision T2 Digital Pantograph System.
- Always keep hair from encountering moving parts.

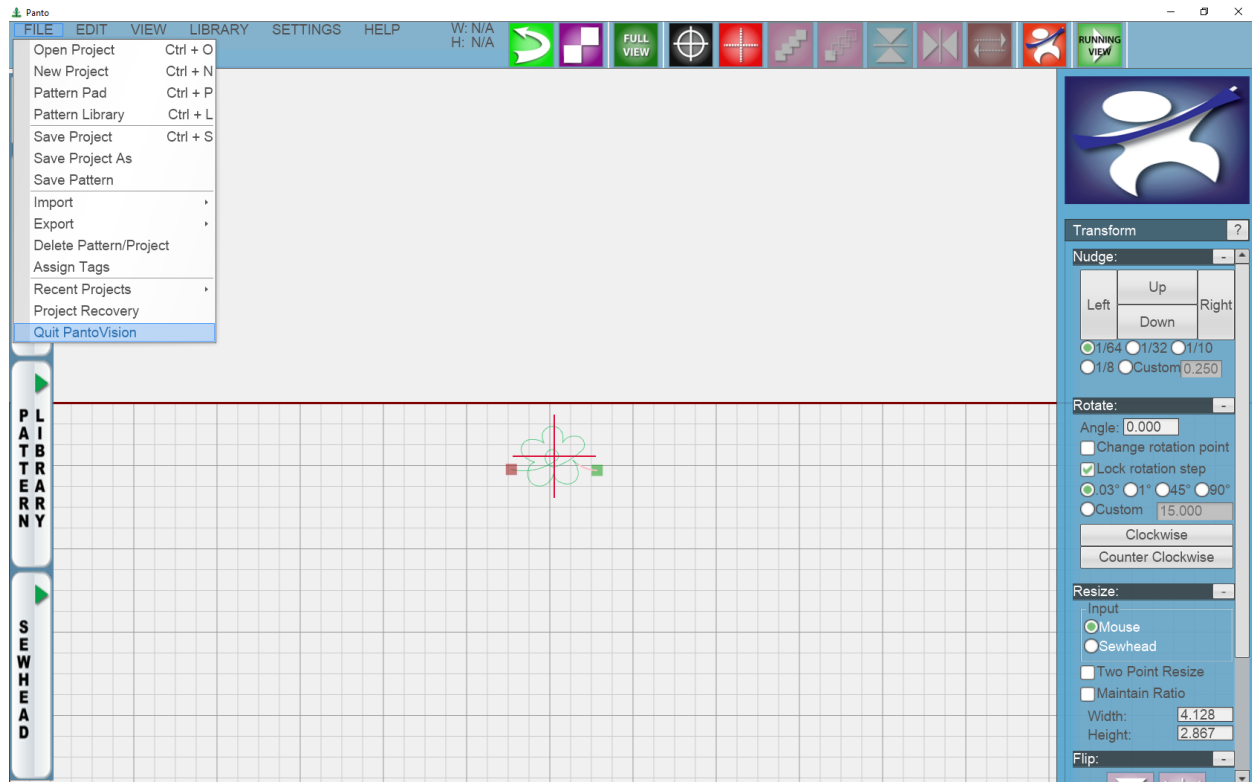
Splash Screen

The splash screen is the first screen that appears upon running the PantoVision T2 Digital Pantograph System application. The version number(s) of the software is shown in the upper left corner. The splash screen will display while the PantoVision T2 Digital Pantograph System application is loading.



File / Quit PantoVision

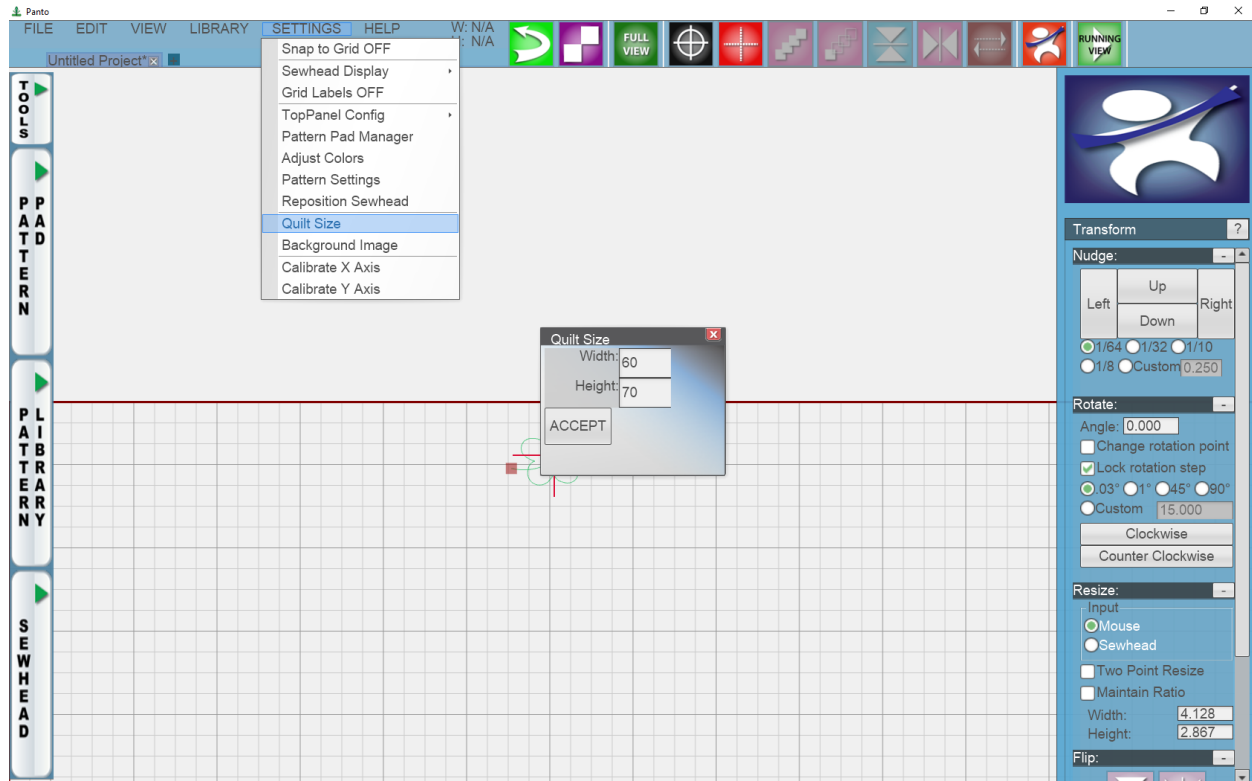
Terminates the PantoVision T2 Digital Pantograph System application and returns to Windows.



Setting Up

Create Quilt Grid

Click on the “Settings” tab, click “Quilt Size”, enter and accept quilt dimensions.

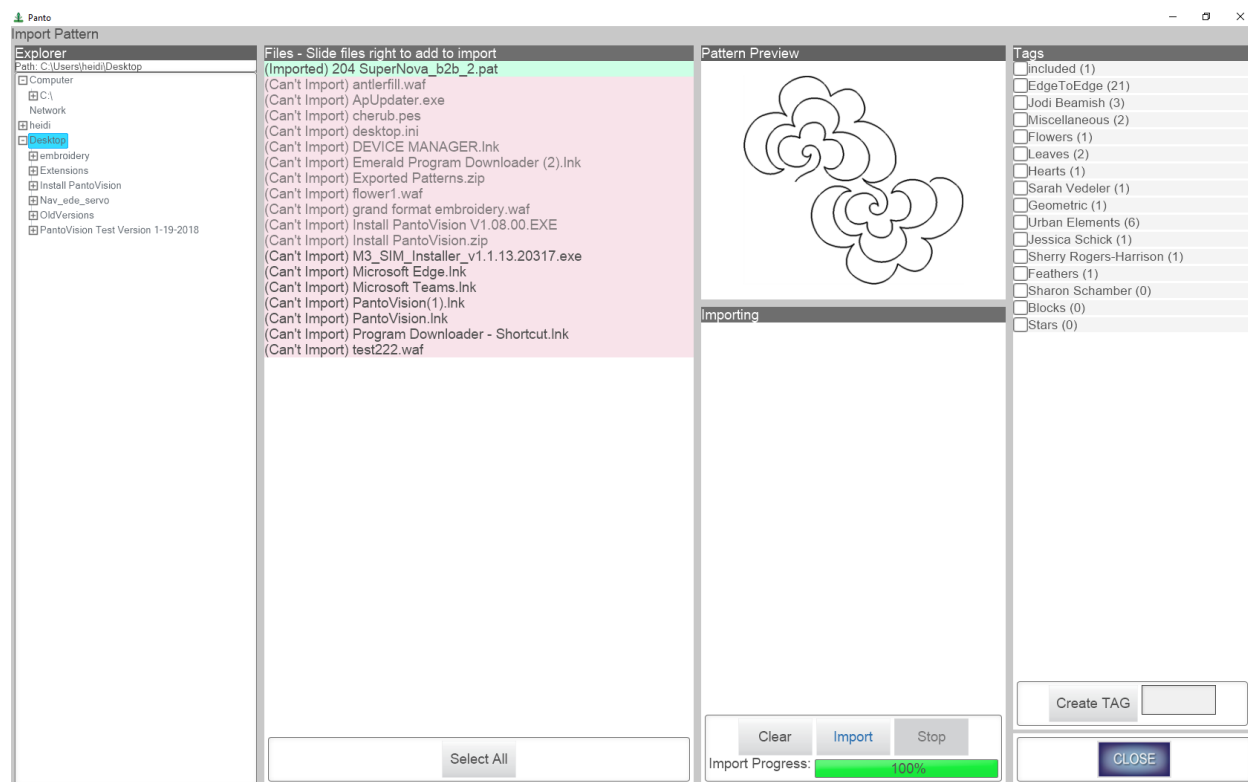


Import Patterns

Any pattern that has already been imported into the software will display (Imported). If a file is unable to be imported, it will display (Can't Import). If a file is encrypted and requires a dongle and the dongle is not detected, it will display (Dongle Required).

To import patterns: insert USB drive with pattern files into USB port. Copy pattern files to the desktop.

Open Import Pattern Screen: click on “Library” tab, click “Import Pattern”.



Open Pattern File: in the left window go to “Computer”, then find the desktop, open the folder containing pattern files you would like to import.

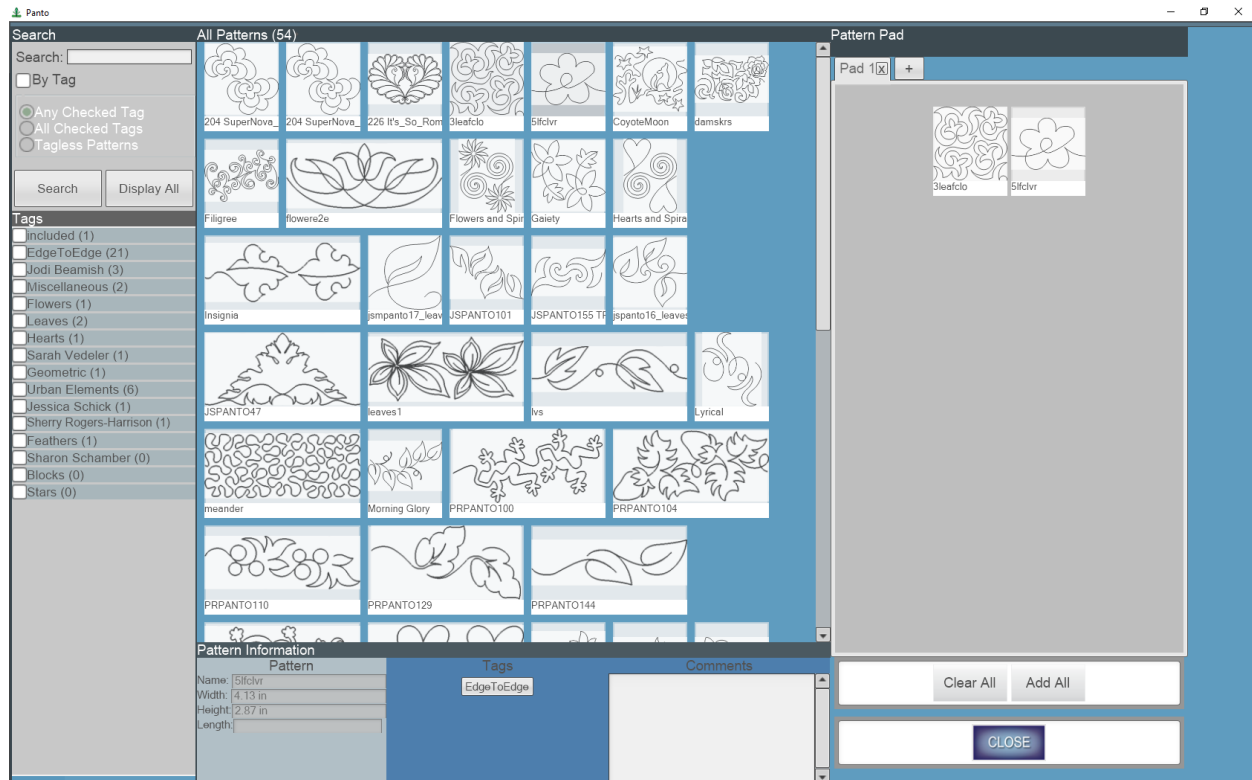
Choose Patterns to Import: from the list of patterns in the second window choose the patterns to import by double clicking on the file. The file name will appear in the Files to Import box along with an image of the selected pattern in the box above. Choose as many patterns as desired to import.

Tag Patterns: choose tags for the patterns being imported in the far-right window. Note: see Tagging Patterns pg. 79 for more tagging information.

Import: Click the “Import” button. Then click “Close” to return to PantoVision application.

Adding Patterns

Open Build Pattern Pad: by clicking on the “Pattern Library” icon or by going to “File” tab and clicking “Pattern Pad”.



Pattern Files: stored in the Pattern Library will display in the center window.

Pattern Information, Tags, and Comments: will display the pattern name, Width and Height of selected pattern. Tags will display any tags associated with that pattern. The Comments field is where you can edit comments associated with selected pattern.

Display pattern file type: Click the “All Patterns” drop down menu to choose the file type you wish to display. You may choose All Patterns, Quilting Patterns, or Extensions.

Search: narrow a search by selecting: the search field, to search alphabetically by entering the first few letters of a pattern title; By Tag and “Match Any Checked Tag”, for a broader search of many selected tags; By Tag and “Match All Checked Tags”, for a very specific search of the selected tags; By Tag and “Tagless Patterns”, for all patterns without tags. Click “Search” button to search the pattern library. Click “Display All” button to clear search results.

Select Patterns: to add to the Pattern Pad for possible use on the current project by double clicking the pattern chosen. The pattern will then show up in the right-hand window. Choose as many patterns as desired. Click "Close" to return to the Viewport Screen.

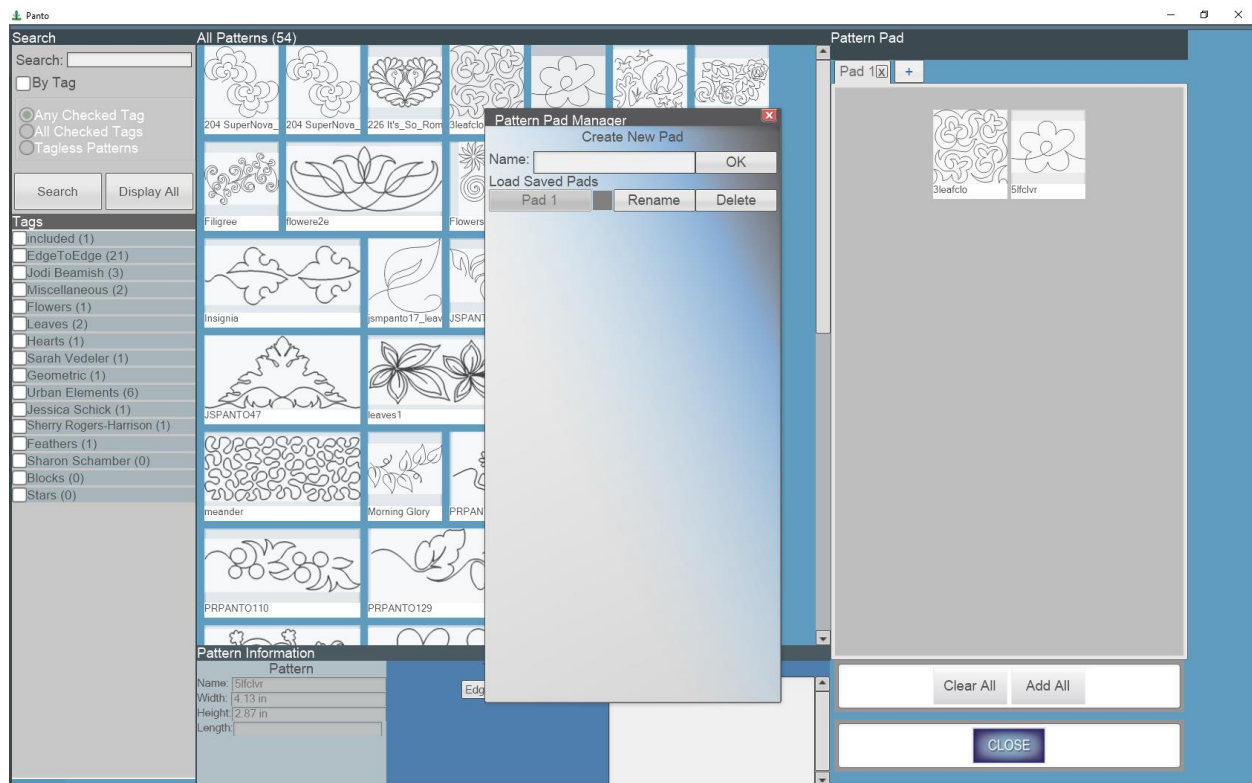
Delete Pattern from Pattern Library: by right-clicking on pattern within Pattern Library and choosing Delete from the dropdown menu. Choose "Yes" on confirmation dialog to permanently remove pattern file from the Pattern Library.

The Pattern Pad: can be cleared by selecting the "Clear All" button.

Delete Pattern from Pattern Pad: by right-clicking on pattern within Pattern Pad and choosing Remove from the dropdown menu. Choose "Yes" on confirmation dialog.

Pattern Pad Management

Open Pattern Pad Manager: by clicking on the “+” button.



Add a New Pattern Pad: by typing a name into the textbox and clicking “OK” button. A new pattern pad tab with the name selected will be added.

Open a Saved Pattern Pad: by clicking on the name of the Pattern Pad. Pattern Pad will be opened as a new tab.

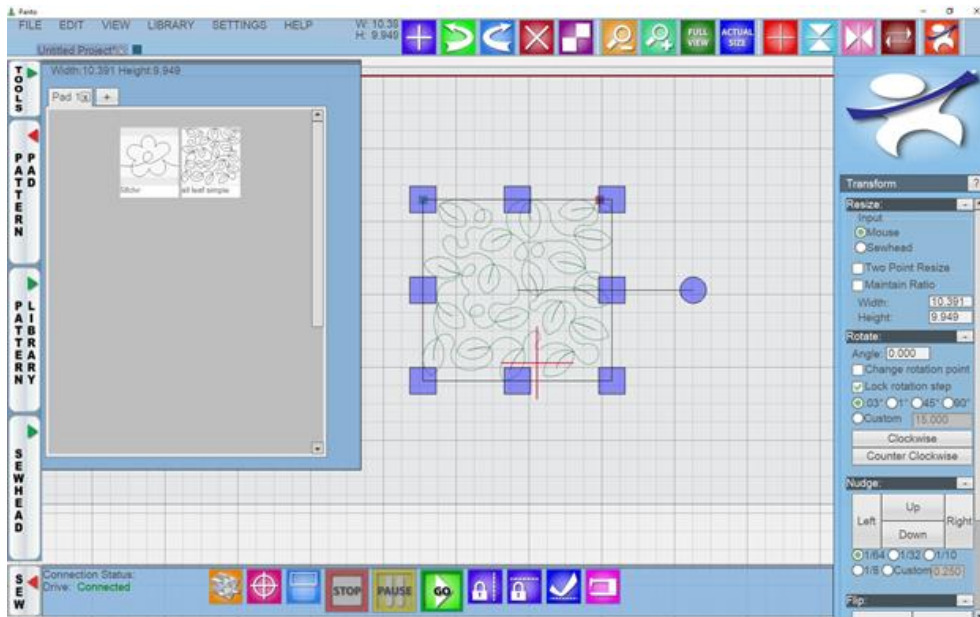
Delete a Pattern Pad: by clicking on the “Delete” button next to the Pattern Pad to remove.

Change Pattern Pad Display Color: by clicking on the colored square next to Close button. Choose desired color and close the color selection window.

Close a Pattern Pad: by clicking on the “Close” button at the top of the Pattern Pad to close.

Add/Delete Patterns from Workspace


Place Pattern: on the quilt grid by double clicking (double finger tap on screen) the chosen pattern on the Pattern Pad. The pattern will go to the center of needle crosshair on the screen. Place a pattern on the grid by clicking on the chosen pattern on the Pattern Pad and clicking on the grid to place the pattern where desired or click and drag a pattern from the Pattern Pad to the grid.




To Delete: a pattern from the quilt grid, select the pattern and click the "Delete" icon.




Or right-click the pattern to delete and choose Delete from the dropdown menu.




To Create a Copy: of the selected pattern, click the "Copy" icon.  Or right-click the pattern to make a copy of and choose Copy from the dropdown menu. Created copy will be offset from the original pattern location.

Undo/Redo


Undo: Reverse/Undo previous action by clicking the “Undo” icon.  Or right-click on the screen and choose undo from the dropdown menu.

Redo: Redo the previously undone action by clicking the “Redo” icon.  Or right-click on the screen and choose redo from the dropdown menu.


Mirror and Flip

Use the “Mirror” icon  or “Flip” icon  to flip selected pattern. Mirror will flip the pattern on a vertical axis. Flip will flip the pattern on a horizontal axis. These tools can be found within Transform , under the right click drop down menu, and may be pinned to the top control panel.


Reverse Sew

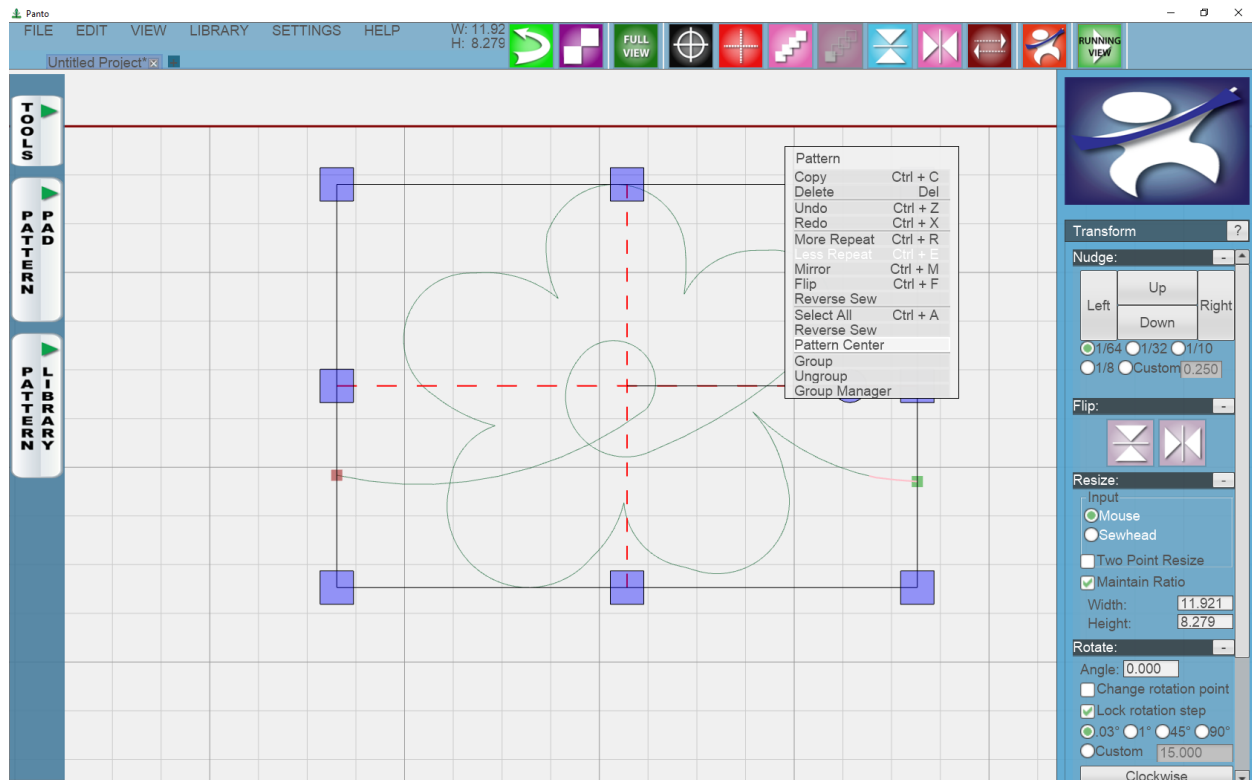
The green dot, and pink line marks the stitching start point of each pattern. Use the “Reverse Sew” icon  to reverse the sewing direction of selected pattern. This tool can be pinned to the top control panel, found as a button within Transform, or under the right click drop down menu.

Nudge

Use the nudge tool within Transform  to make fine adjustments to the placement of patterns. Adjust the nudge amount by clicking on one of the choices. Nudge choices are 1/64 in., 1/32 in., 1/10 in., 1/8 in., and custom. Click the button associated with the direction to nudge the selected pattern. Use the arrow keys on the keyboard to nudge the pattern.

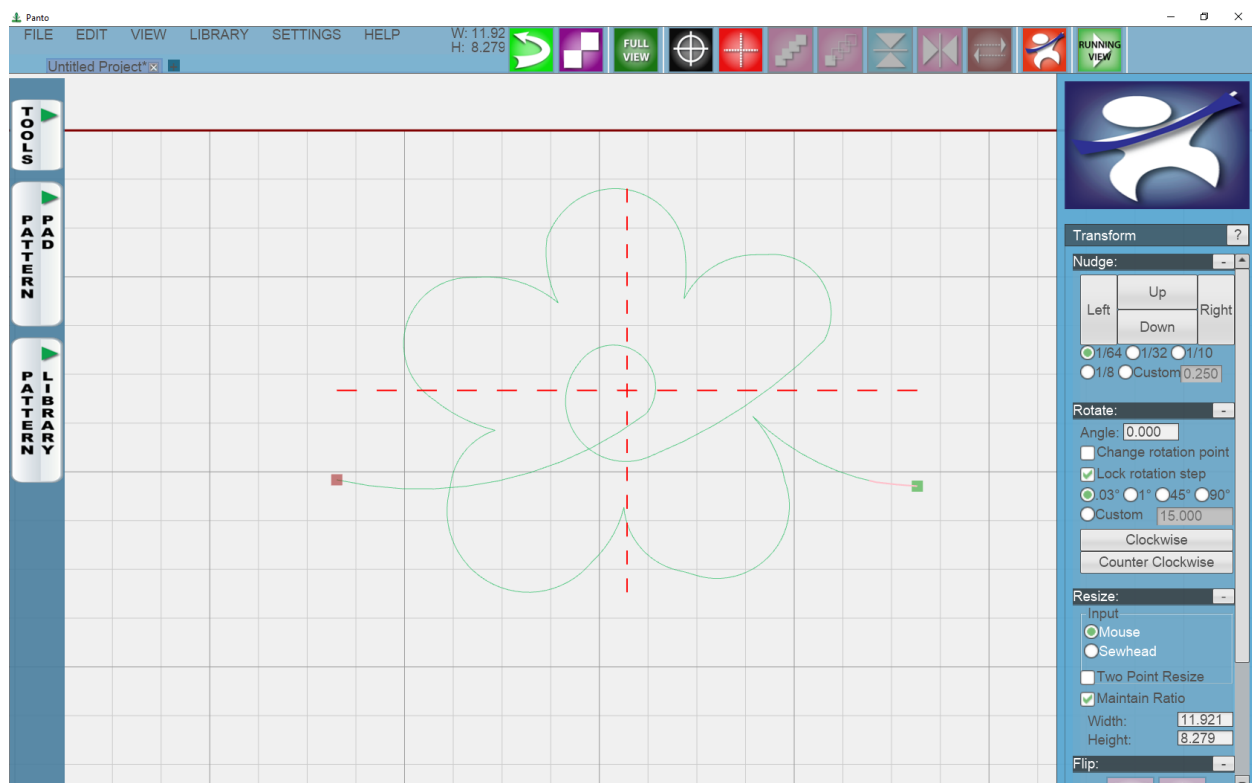
Pattern Center

Use the “Pattern Center” button within Transform  to show the pattern center point. This tool can be pinned to the top control panel and can be found in the right click drop down menu.



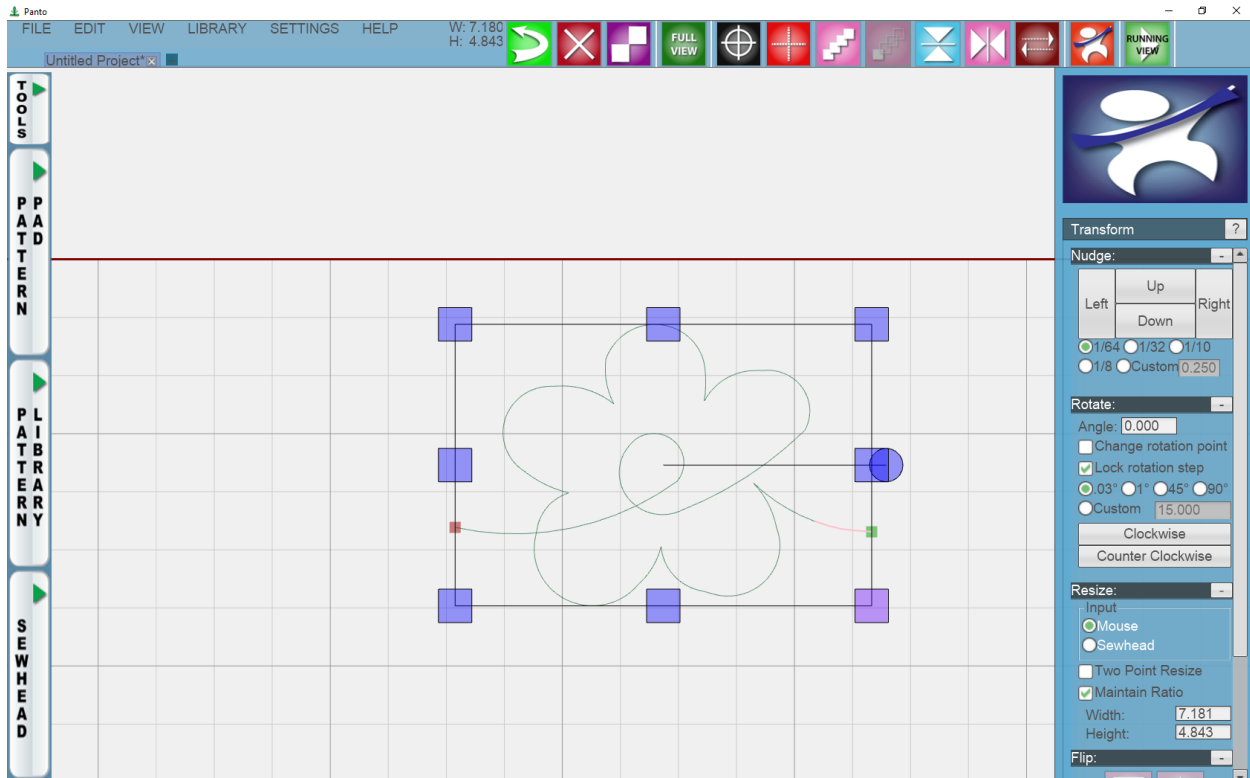
Transform

Transform is where basic editing of patterns can be made. Resize, Rotate, Flip, Mirror, Nudge, Reverse Sew, and Pattern Center are all within this tool. Transform, Flip, Mirror, Reverse Sew, and Pattern Center icons can be pinned to the top control panel by either right clicking the icon and selecting "Favorite", or by clicking Settings in the drop down menu, Top Panel Config, then place a checkmark next to the icons you wish to display on the top control panel. The order of Resize, Rotate, Nudge, Flip, Reverse and Pattern Center within the side bar can be reordered by right clicking the section label. The right click will bring that section of the tool to the top portion of the sidebar. See picture below. Nudge section label bar was right clicked so now it is positioned at the top of this tool side bar.





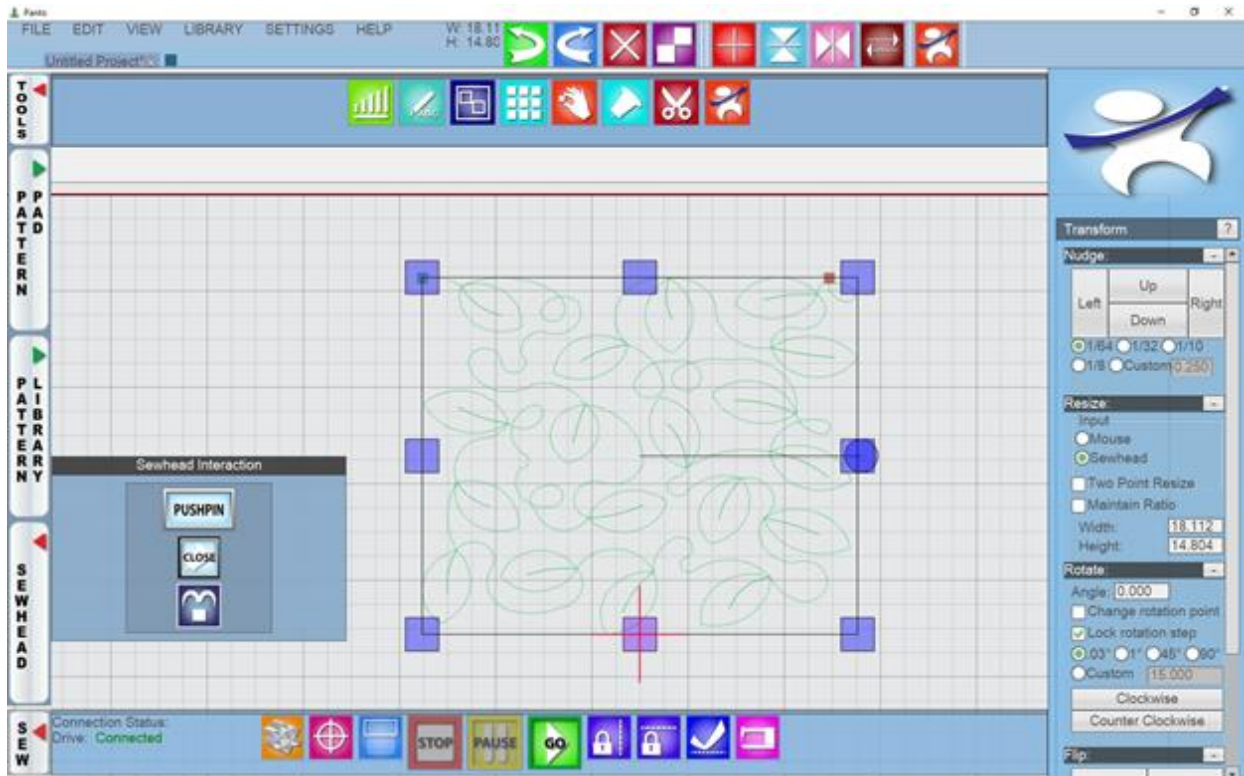
Resize

Use the Resize tool within Transform  to resize single patterns, pantograph rows, or groups of patterns.

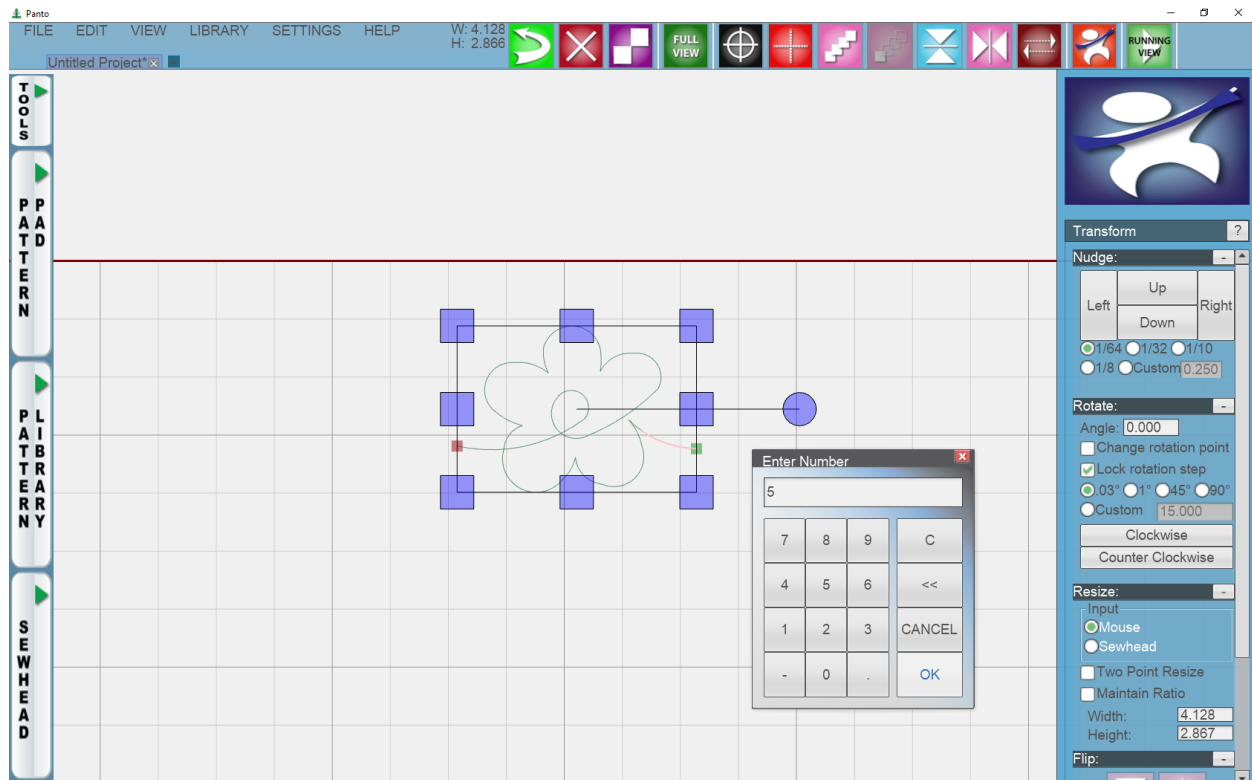


Mouse: Resize the pattern by touching on screen or mouse cursor. Click and drag a grab handle to resize the pattern. The selected grab handle will be highlighted. Use any one of the four corner grab handles to resize with maintain ratio box either checked/unchecked for desired result. Use any one of the four center edge grab handles to resize while maintaining the opposite width or height of the pattern.

Sewhead: Select Sewhead input. Position sewhead over grab handle to use for resizing. Click the "Grab" button on Sewhead Interaction display  and drag sewhead to resize the pattern. The selected grab handle will be highlighted. Click the "Drop" button on Sewhead Interaction display  to release grab handle.





Keypad: click on the "Height" or "Width" textbox and enter the preferred dimensions using the pop-up keypad. Maintain Ratio can be used with this option.

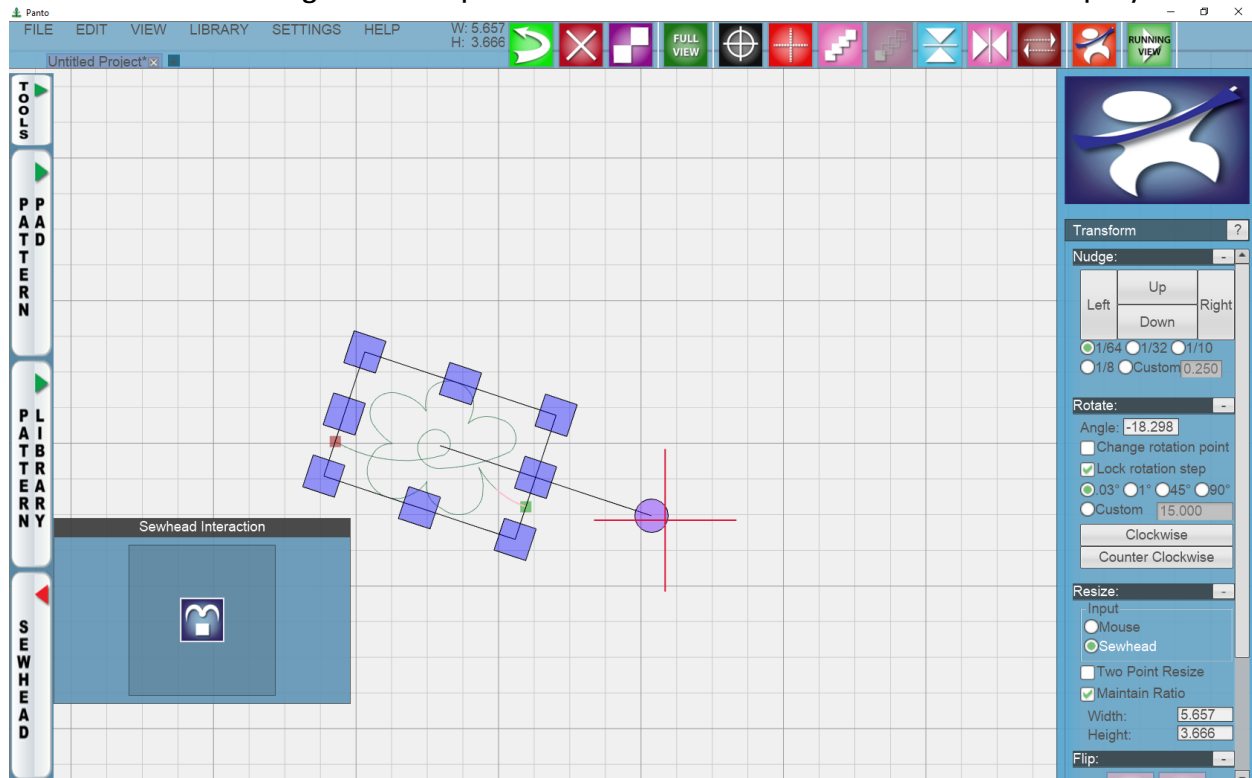


Two Point Resize: Check the “Two Point Resize” box to size a pattern by clicking the upper left corner (notice the patterns seem to have disappeared) and then the lower right corner of the location you want the pattern sized to and the pattern will suddenly reappear.

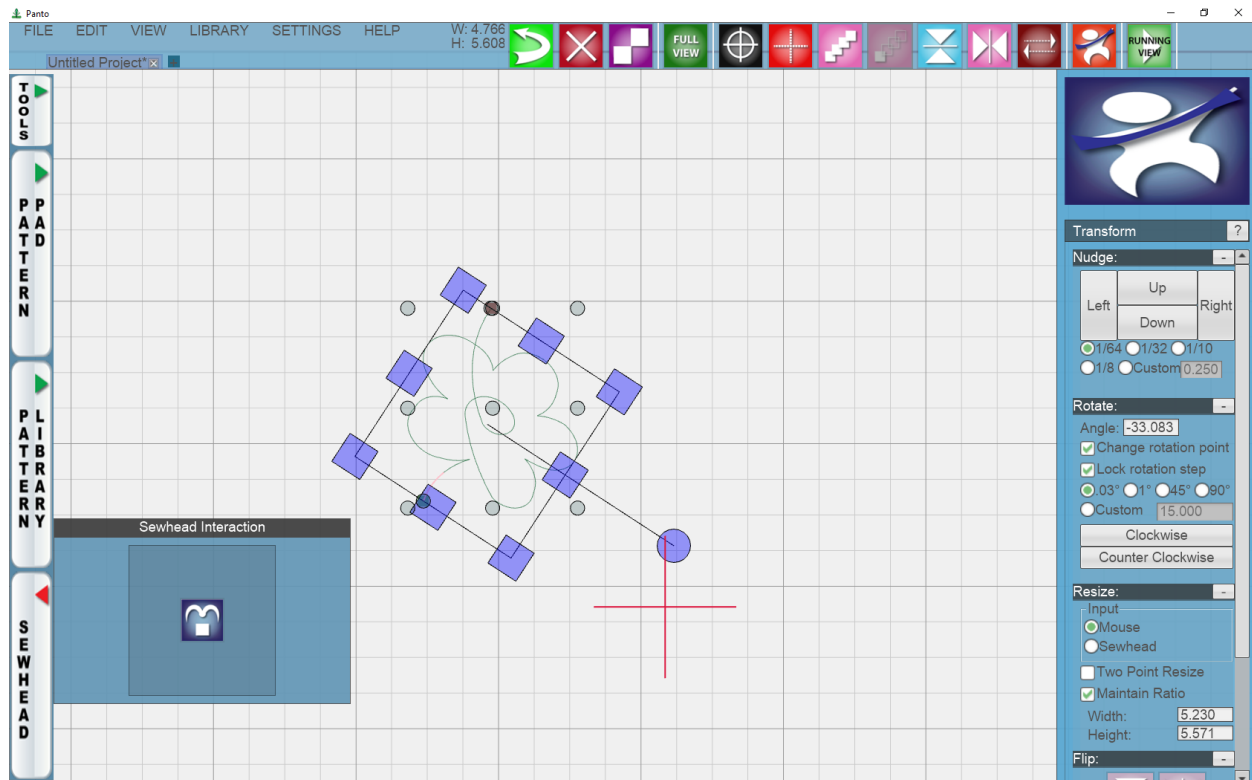
Rotate

Use the Rotate tool within the "Transform" icon  to rotate single patterns, pantograph rows, or groups of rows. Click and drag the circle grab handle to rotate the pattern using the touch screen or mouse cursor. Choose a specific angle by clicking on Angle box. Use the keypad to enter angle.

Sewhead: may be used by checking the sewhead option under Resize. Grab and Drop rotation handle using Grab/Drop  button on Sewhead Interaction display.



Change rotation point: will pop up points that can be used as a rotation point. Click on the circle to rotate from that point or click any location on the screen or pattern to choose a custom rotation point. Change rotation point can be made using the sewhead by placing the sewhead over the point you wish to rotate from and select using the Grab/Drop buttons on Sewhead Interaction display.



Lock Rotation Step: will snap rotations to selected degree. Uncheck for free rotation. Create custom degree by clicking custom box and entering degree on keypad. Click the "Clockwise" or "Counter Clockwise" buttons to rotate the pattern in any chosen degree increment. Change the rotation degree step by clicking on one of the choices. Rotation choices are .03°, 1°, 45°, 90°, and custom.

Positioning Grab/Drop

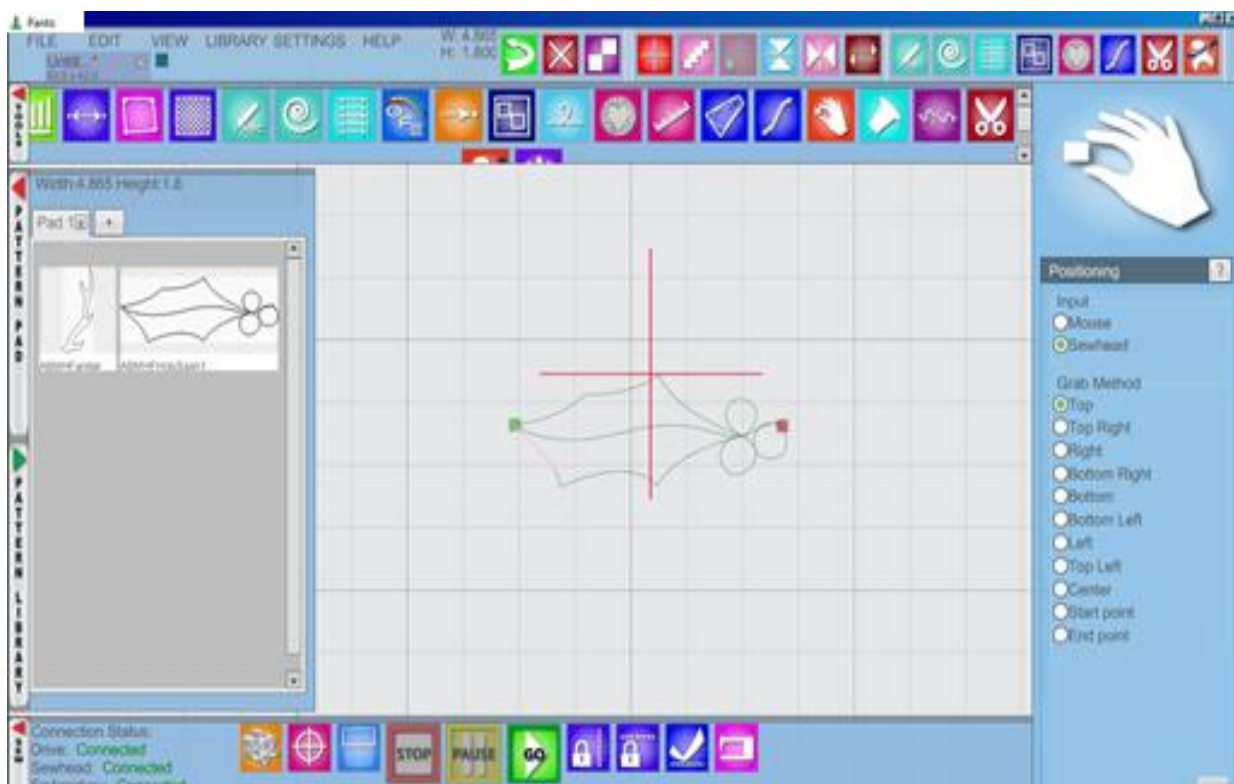
Grab and drag a pattern from the chosen point of the pattern to the desired location and drop it into place using this function. Click on the Positioning Grab/Drop icon








to access the positioning options. Grab Method indicates the location of the selected pattern that becomes the grab point.

Mouse: Left click and hold to drag pattern into position. Let left click go to drop pattern.

Sewhead: Select pattern to attach it to sewhead. Drag pattern into place and click “Drop” button on Sewhead Interaction display to place pattern.



Group

Click the “Group” icon  to open the group tool. The Group tool will allow you to Group, Attach, Link or Ungroup patterns    . The Group icon can be pinned to the top control panel.

Click “Accept” to accept the created grouping. Click “Cancel” to cancel grouping method.

Group

Select the group option and click on the patterns that you would like to group together. Group patterns to make them editable as one pattern.

Attach

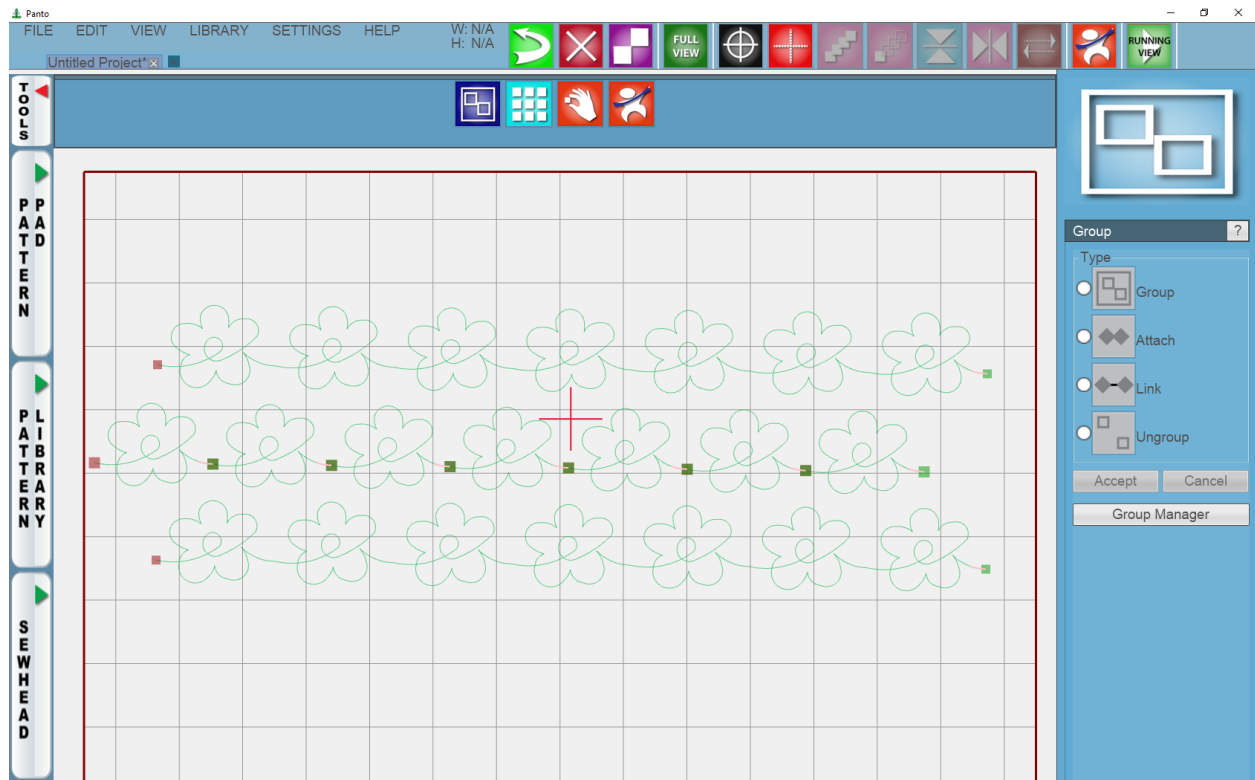
Attach snaps the pattern start point to the end point of the previously selected pattern. Select the attach option then click on the patterns that you would like to attach to each other, in the order you would like them attached.

Link

Links the pattern start point to the previously selected pattern end point without moving the selected patterns. Select the link option then click on the patterns that you would like to link to each other, in the order you would like them linked.

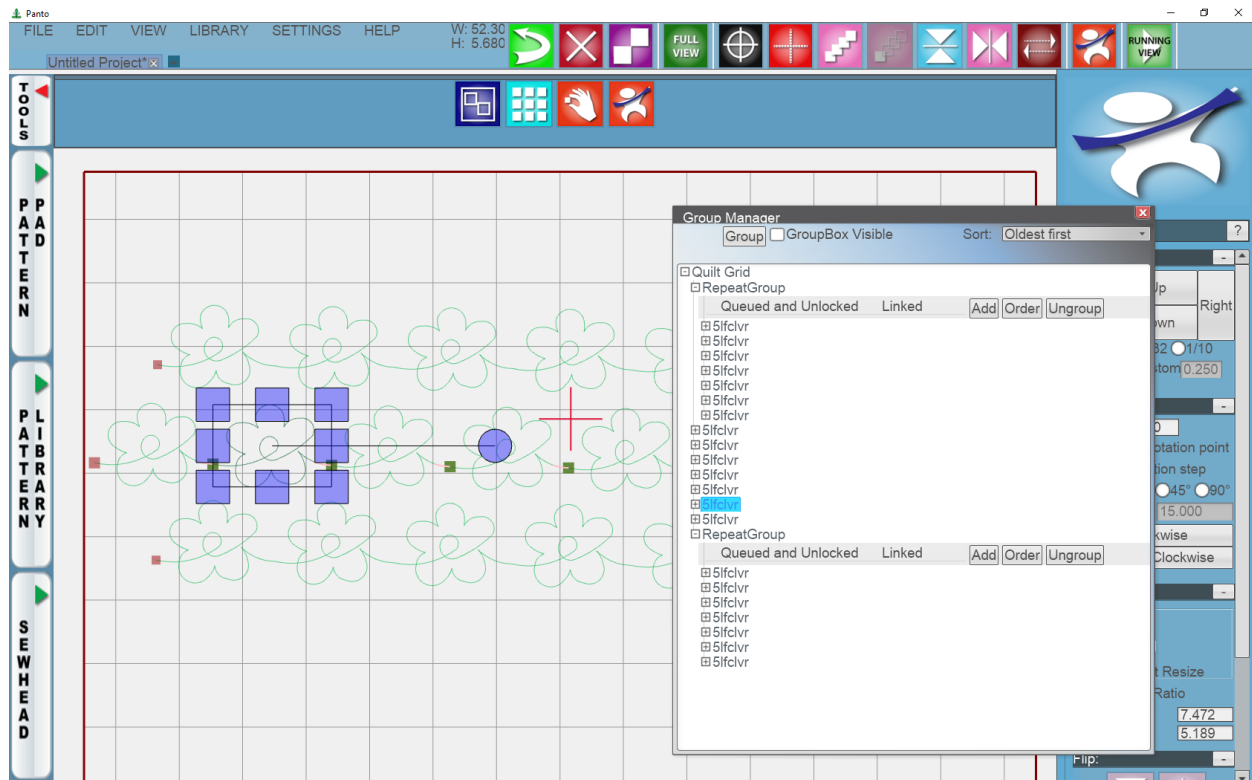
Ungroup

Select the ungroup option then click on the group to be ungrouped. This will cause the patterns to become unrelated and individually editable.



Group Manager

Open the Group Manager by selecting from the right click drop down menu. Edit individual patterns within groups, and groups of patterns. Group, add, queue, dequeue, lock, unlock, link, un-link, reverse sew, and order. Rename a pattern by right clicking on the pattern name to open name field entry.



Multiply



First select a pattern, and then click the “Multiply” icon to open the Multiply Dialog. The Multiply tool will allow you to create More/Less Repeats, and Multiples with varying options.

More Repeats: Adds another pattern and attaches to selected pattern to create rows.

Less Repeats: Removes patterns from row one at a time.

Multiply

Multiply the selected pattern by choosing how many patterns are desired across and how many patterns down. Move the entire set of patterns by left click hold and drag.

Options:

Row Gap

Enter a negative number to make the rows closer together, enter a positive number to make the rows further apart.

Column Gap

Enter a negative number for column gap to make the columns closer together, enter a positive number to make the columns further apart.

Offset

Offset will move the rows horizontally either positive/negative depending on the number entered.

Flip Options

Flip horizontal/vertical all rows or every other row.

Adjust row gap

Click and drag a row up or down on the screen to increase/decrease the row gap, or use the + and – next to the Row Gap entry field to increase or decrease the gap.

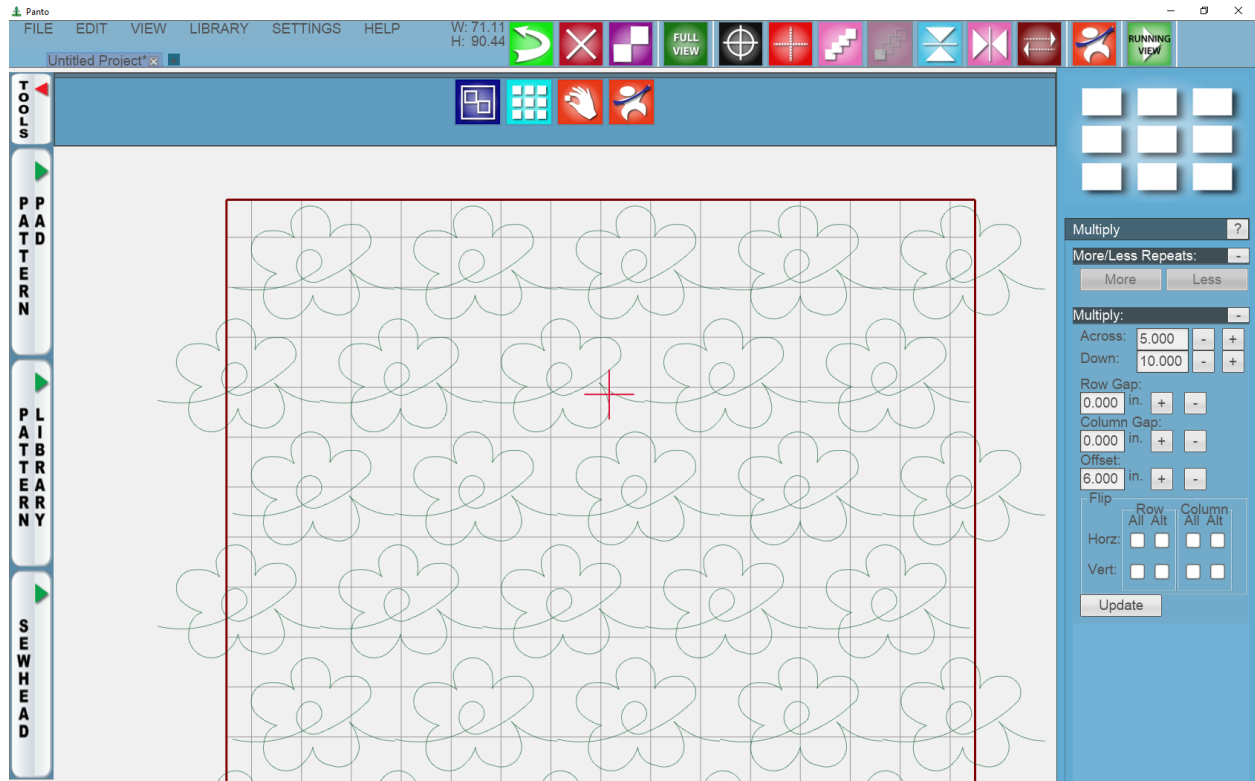
Adjust the offset

Click the + or – next to the Offset entry field to adjust offset.

Adjust column gap

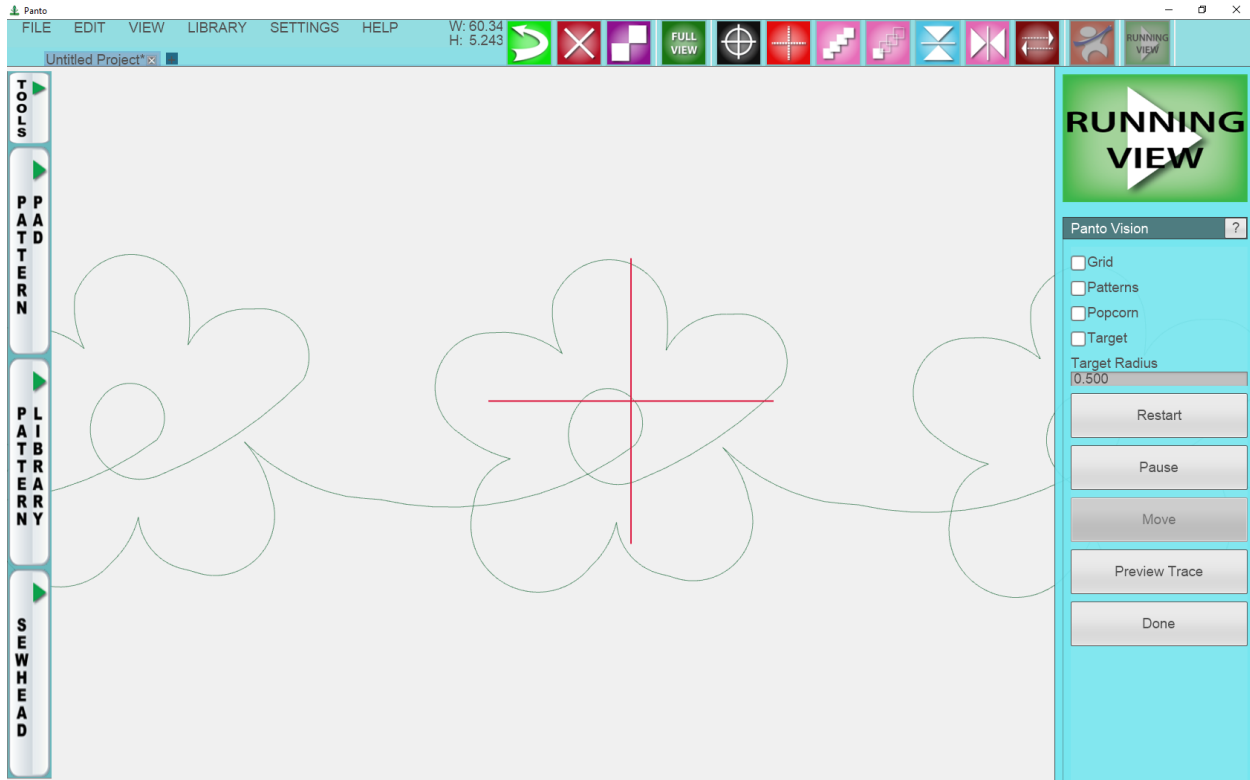
Click and drag a pattern left or right on the screen to increase/decrease the column gap.

Click the ACCEPT button when done.



Running View

Select a pattern or row to stitch, click the Running View Icon. Follow the pantograph pattern by moving the machine to trace the onscreen pattern with the crosshairs.

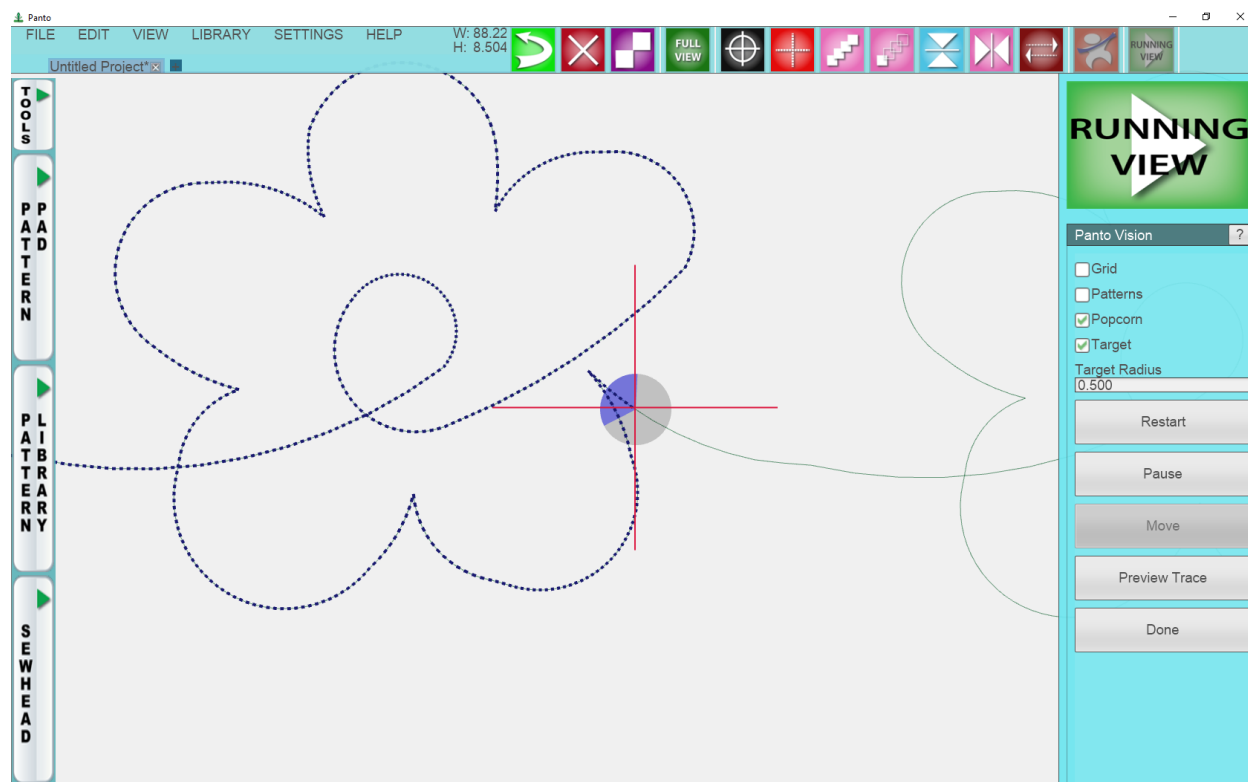


Check the **Grid** option checkbox to view the quilt grid onscreen.

Check the **Patterns** option checkbox to view all patterns onscreen.

Check the **Popcorn** option checkbox to drop dots along the path as you trace the pattern.

Check the **Target** option checkbox to display a target to “chase” as you trace the pattern.



Type a number in the **Target Radius** field to adjust the size of the target.

Apply Changes button must be pressed to apply the chosen changes in options.

Restart zooms to actual size with the crosshair centered onscreen and starts the Popcorn and Target at the start point of the pattern.

Pause stops and holds the Popcorn and Target at current location until ready to resume.

Resume allows Popcorn and Target to resume moving (from Pause location) while tracing.

Move relocates the Popcorn and Target to the point on the pattern nearest the sewhead crosshairs. Move is only available after a Pause.

Preview Trace demonstrates the path of the selected pattern.

Done allows selection of a new pattern within running view. Click **Restart** to start newly selected pattern.

View

Adjust the View: using the “Zoom” icons, click the “Full View” button to quickly view the entire quilt layout, or click the “Pan” button to move around the quilt layout using the mouse.

Zoom In



Zoom in to see more detailed view of sew area. To Zoom in by mouse click on icon, scroll wheel on mouse, or by placing two fingers far apart on touch screen and then sliding them together.

Zoom Out



Zoom out to see larger view of sew area. To Zoom out by mouse click on icon, scroll wheel on mouse, or by placing two fingers close together on touch screen and then spreading your fingers out.

Active Zoom



Turn active zoom on and zoom in to the point where the mouse clicks.



Turn active zoom off.

Full View



Full View shows the full quilt grid on viewport screen. This is the preferred selection for laying out patterns. Zoom in or out as preferred. Use pan to adjust viewing position of grid on the screen.

Actual Size



Actual Size shows the screen and patterns at approximate actual size.

Turn Pan On



Turn pan on and click and drag using mouse cursor on the quilt grid to navigate the quilt grid. Pan by pushing in the mouse wheel button and moving the mouse around the screen or by placing two fingers on touch screen to drag the quilt grid into view.

Turn Pan Off



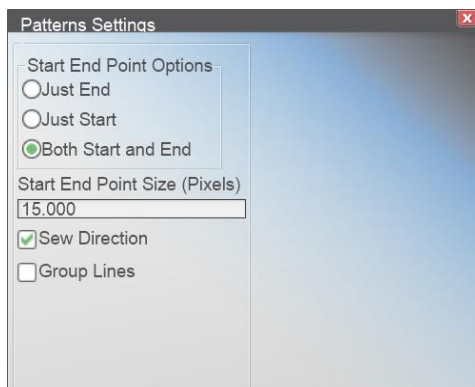
Turn pan off.

Needle View

Under the “View” tab choose “Needle View” to view the screen with the sewhead locked to the center position of the viewport screen. Uncheck “Needle View” to pan or zoom to any position on the screen.


Pattern Settings

Under the “Settings” tab choose “Pattern Settings” to adjust the size of the start/end point, adjust the options for start/end point, change the option for sew direction, and change the option for grouping lines. If an option is check marked, that means it is turned on. Sew direction will show a portion of the pattern as pink to indicate the direction the pattern will sew. Group lines will show the jump lines between patterns within a group.



Advancing and Repositioning

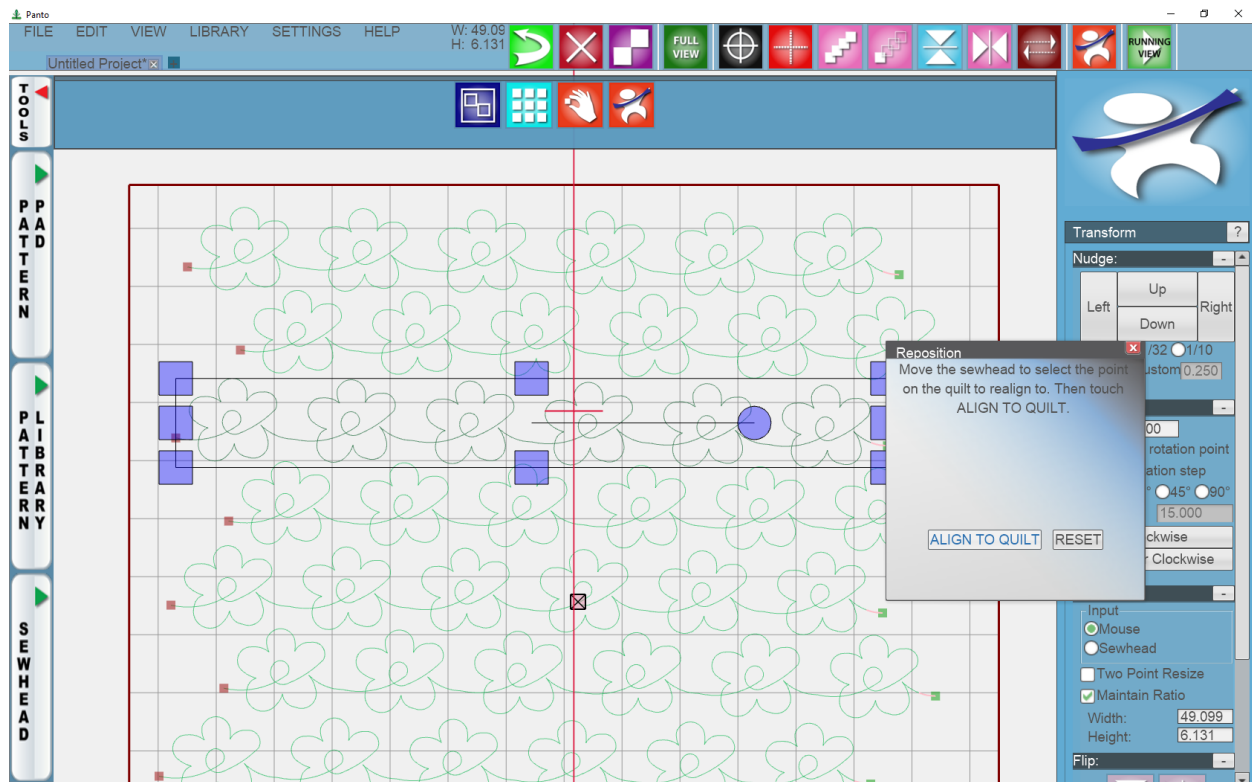
Reposition

Click the "Reposition" icon  and following the prompts on the screen.

Align to Quilt

Check the "Align to Quilt" selection. Move the sewhead to a recognizable and prominent location on the advanced quilt. Using the onscreen vertical crosshair line to help locate the recognizable and prominent location of the pattern that represents the location of the sewhead, click the cursor on the pattern location to place the realignment dot. Click APPLY.

When pressing "APPLY" button, the crosshair will snap to the point repositioning the patterns and quilt grid.



Tension Check

The PantoVision T2 software comes equipped with software to accommodate the use of a self-mounted web camera. Use industrial strength Velcro to attach the camera to the lower sew arm pointing up at the bottom of the quilt. Plugging the camera into the computer will allow you to view the bobbin stitch tension and underside of your

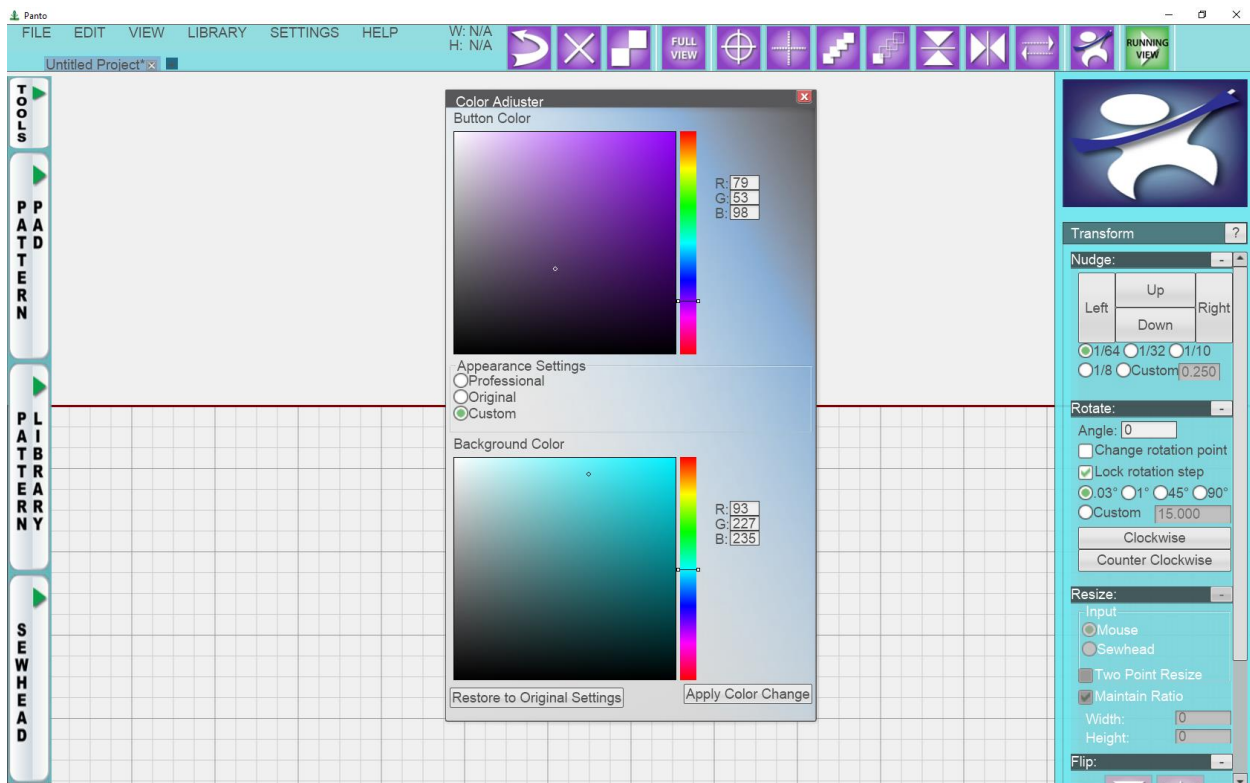
quilt when you select the “Tension Check” icon.



For best results use a web camera such as a Logitech® with auto focus and a minimum of 2.0 megapixels.

Adjust Colors

The PantoVision T2 software color scheme can be customized. Under tabs click “Settings” then “Adjust Colors” to open the color window. Choose Professional (blue mono), Original (multi-color), or Custom (your choice). With “Custom” selected choose the button color on the top panel, choose the background color on the lower panel. Click “Apply Color Change” button to see the changes. Change the color of any individual icon by right clicking on the icon and choose Change Color.



Background Image

The PantoVision T2 software can show an image of the users quilt in the background of the grid display.

Background Image

Under tabs click "Settings" then "Background Image". Click the "Browse" button to select an image. "Crop" the image by dragging the sides of the purple box inward. Preview image is displayed in the right panel. Adjust the opacity of the image by using the slider bar. Slide the bar to the left to make the image more transparent. Slide the bar to the right to make the image opaquer. The image will "fit" to the quilt grid and is not adjustable within the viewport screen. Select "Clear" to remove the background image.



Save Patterns

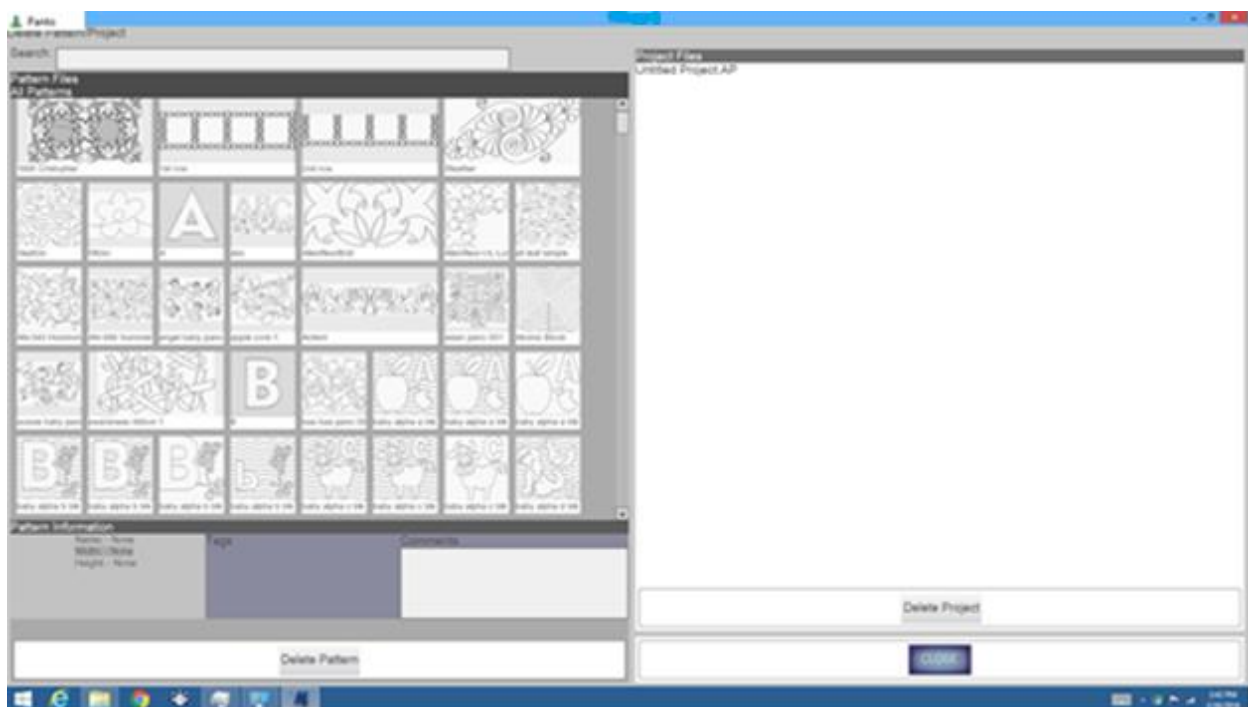
Save Patterns, rows, or groups as new patterns.

Select pattern, row or group desired. Under tabs click "File", then "Save Pattern File" to open Save Pattern dialog.

Rename new pattern in "File name" text box. Click "Save". Viewport screen will reopen.

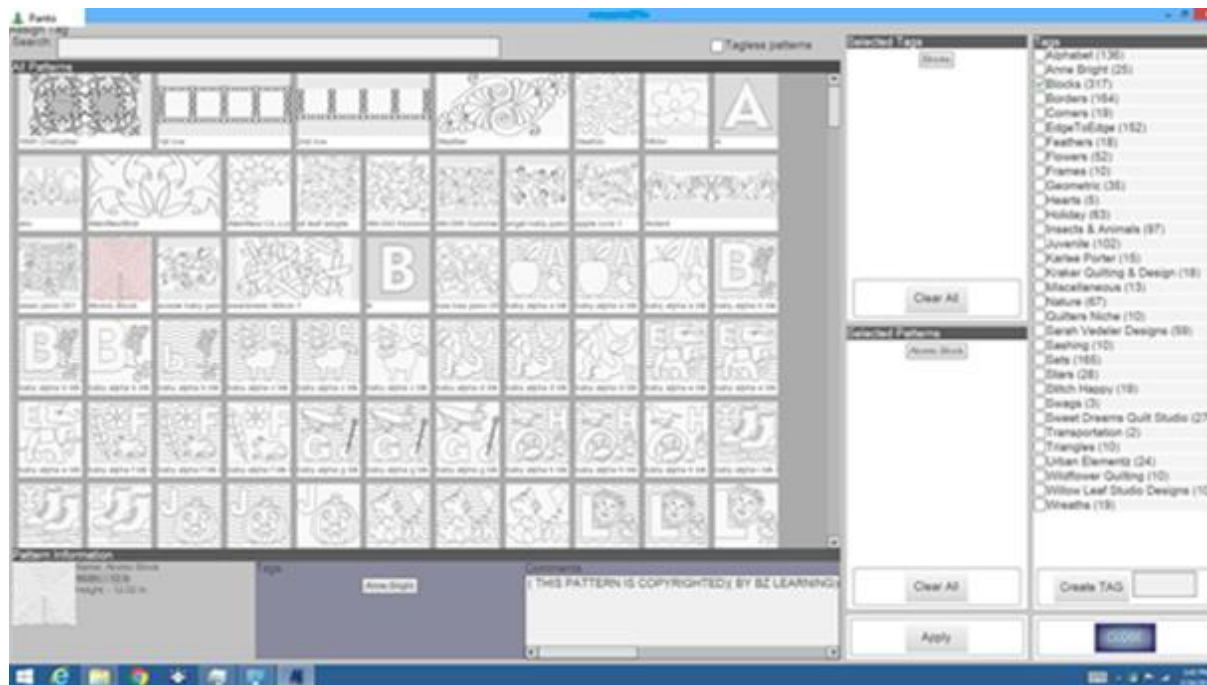
Delete Pattern/Project Files

To Delete pattern or project files, under tabs click "File", "Delete Pattern/Project Files" to open Delete Pattern/Project screen. On the left side of the screen, select the pattern file to delete and click the "Delete" button. On the right side of the screen, select the project file to delete and click the "Delete" button. Click "Close" to return to viewport.



Tag Patterns

To tag patterns, under tabs click "Library", then "Assign Tags" to open Assign Tags to Patterns screen.



To select pattern, double click the pattern thumbnail. The pattern file name will then show in the selected patterns list.

Search the pattern library by pattern name typing into the Search box. To show only patterns without tags, checkmark the "Tag less patterns" checkbox.

Select Tags as desired by check marking the box, selected tags will be shown in selected tags list. To assign selected tags to selected patterns click "Apply". If adding tags to a previously tagged pattern, new tags will get added to the existing tags for that pattern.

Click "Clear All" to remove tags from the selected tags or remove patterns from the selected patterns list.

To remove a tag from a pattern, select the pattern, and right click on the tag to remove in the Pattern Information panel. Click "Delete Tag" to remove the tag from the pattern.

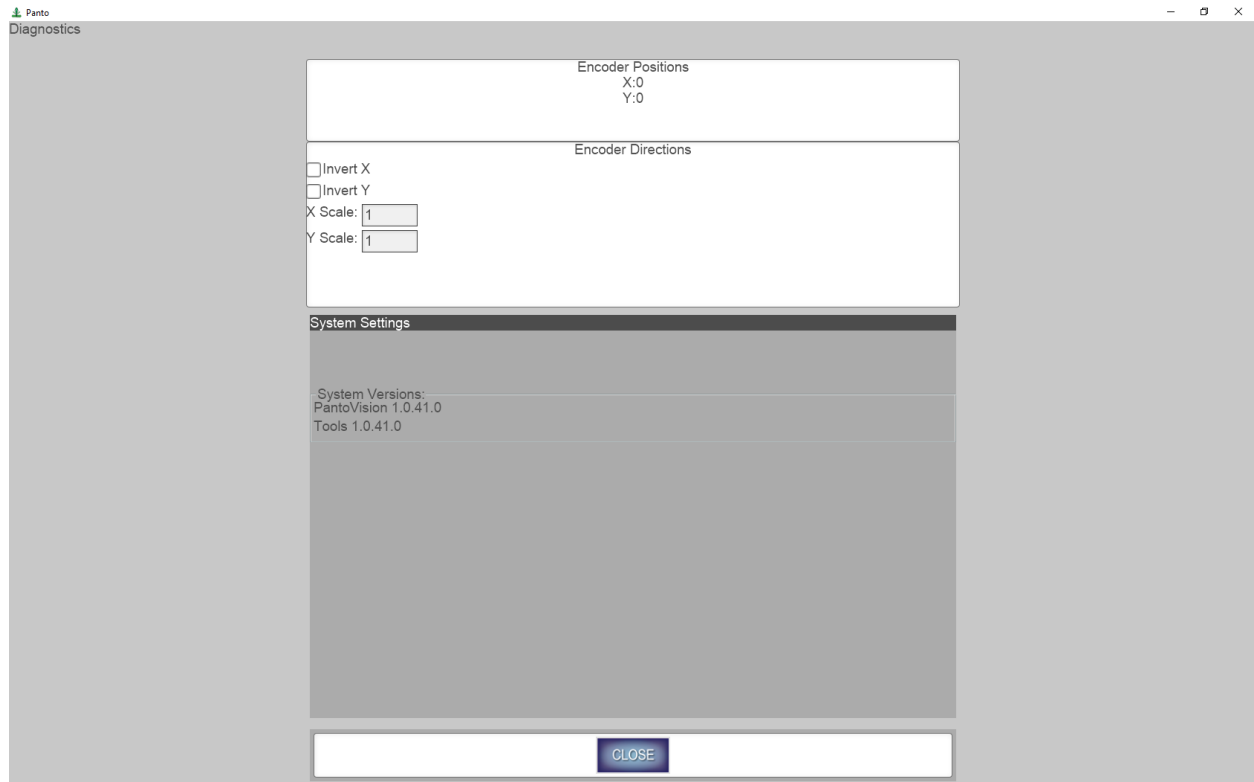
To create a new Master Tag, type desired name into textbox and click "Create TAG" button. Newly created master tag will be added to the list of tags.

To rename a Master Tag, right-click on the master tag to rename. Choose Rename from the dropdown menu. Click in the textbox and type what you want the master tag to be renamed to. Press "Rename" button to apply name change.

To delete a Master Tag, right-click on the master tag you want to delete. Choose Delete from the dropdown menu. Master Tag will be removed from the list of tags.

Diagnostics

The diagnostics screen is where to view different settings relating to the encoders and software.



Machine Diagnostics

Encoder Positions display at the top center of the diagnostics screen.

Encoder Directions

Check the Invert X or Invert Y checkbox to invert the direction indicated by the sewhead crosshair on the PantoVision T2 viewport screen.

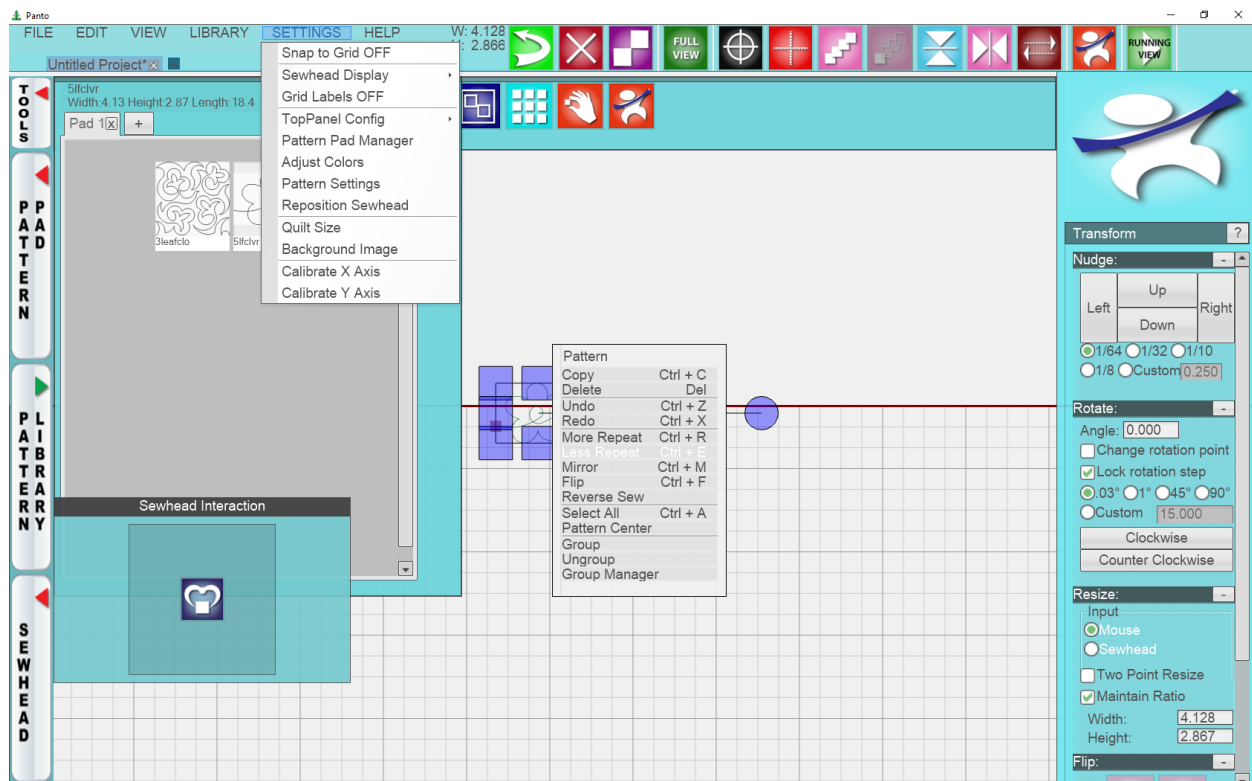
X Scale and Y Scale input fields indicate set encoder scales.

System Settings

System Versions shows the version of PantoVision T2 and Tools currently running.

Viewport

The viewport window shows the arrangement of patterns in the active project on a virtual representation of the quilt layout. It also features the top control panel, right side dialogue panel, menu tabs, and access to the Icon Tool Bar, Pattern Pad, Pattern Library, and Sewhead Interaction display.



Gridlines:

Are visible to assist in positioning and sizing patterns. Turn on Gridline labels by going to "Settings" tab and clicking Grid Labels setting. Gridlines are defined as follows:

Blue: 4 inches

White: one inch

Dark Gray: one quarter inch (only visible at high magnification)

Red: outer edges of the quilt grid.

Tabs Bar:

Allows for function selections included on icon tool bar as well as more function selections and settings that are used less frequently.

Pattern Pad:

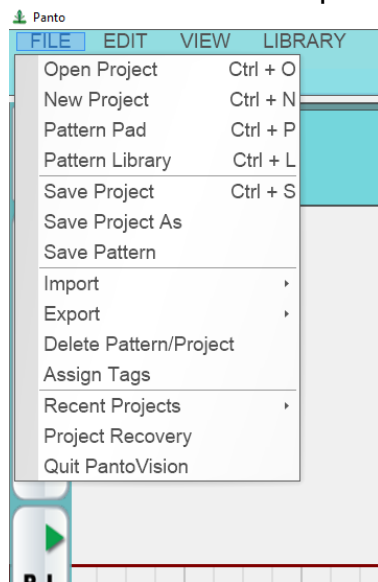
Displays patterns selected for possible use on current project.

Icon Tool Bar:

Contains icon touch buttons for editing functions.

Menu Tabs

File Menu: contains options for opening, saving, and managing patterns and projects.

***Open Project***

Opens window of saved projects you may select to open.

New Project

Opens new project tab for creating a new project from scratch.

Pattern Pad

Opens the Pattern Library for Pattern Pad management.

Pattern Library

Opens the Pattern Library for Pattern management.

Save Project

Opens window for naming and saving projects.

Save Project As

Opens window for assigning a new name to a modifies project, leaving the original as last saved.

Save Pattern

Opens window for naming and saving modified or newly created patterns.

Import

Opens windows to import Patterns, Projects, or Chimes.

Export

Opens window for exporting a Selection on the viewport or Patterns from the Library.

Delete Pattern/Project

Opens window for selecting and deleting patterns and projects.

Assign Tags

Opens the window for assigning tags to patterns.

Recent Projects

Opens a window showing recent projects.

Project Recovery

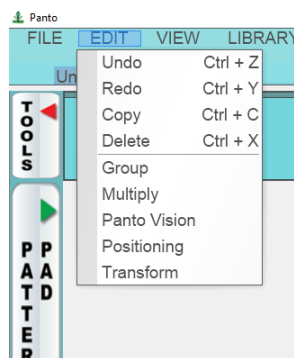
opens a window showing specific "saves" of projects.

Quit PantoVision

Closes the PantoVision T2 application.

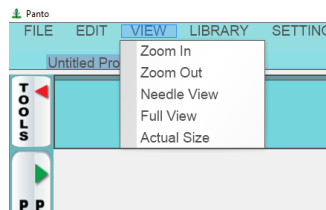
Edit Menu

Contains a list of previously covered features. Clicking these menu items works the same as if you click the icons.



View Menu

offers various selections relating to the viewing of the viewport screen.



Zoom In

Clicking this menu item will zoom in, same as the Zoom In icon. Zoom in by rolling the scroll button on a mouse cursor forward. Finger gesture on touch screen or placing two fingers close together on the screen and sliding them outward will zoom in.

Zoom Out

Clicking this menu item will zoom out, same as the Zoom Out icon. Zoom out by rolling the scroll button on a mouse cursor backwards. Finger gesture on touch screen or placing two fingers on the screen separated and sliding them towards each other will zoom out.

Needle View

Clicking on this menu item selects it as the view mode for the viewport screen. Needle view locks the sew head crosshairs to the center of the viewport screen. Having trouble panning, check to see if this view is selected. It is a useful view to

choose when running patterns to see the needle (where you're stitching) in the viewport screen. Needle view will remain selected until deselected.

Full View

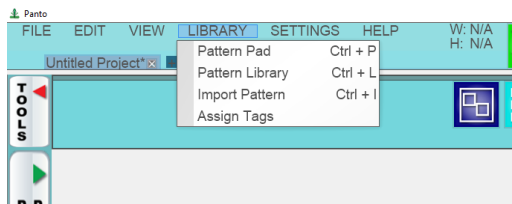
When clicked the viewport screen will zoom out to the full view.

Actual Size

When clicked will zoom in to view the patterns at their actual size.

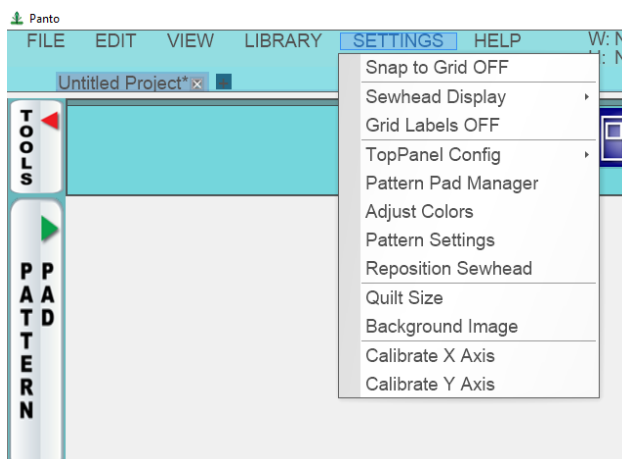
Library Menu

Contains Pattern Pad, Pattern Library, Import Patterns and Assign Tags, previously covered.



Settings Menu

contains settings, some with sub-menus.



Snap to Grid ON/Off

Toggle selection for ON/OFF. Items will snap to the closest grid intersection. This is useful when needing perfectly horizontal or vertical placement of points.

Sewhead Display

Option for normal or long crosshair, circle or large circle display representing sewhead position.

Grid Labels ON/OFF

Toggle selection to show or hide centerline grid labels showing distance from center of quilt grid.

Top Panel Config

Select icons and tools from the sub-menu to display in the top control panel.

Pattern Pad Manager

Select to open the pattern pad manager.

Adjust Colors

Opens control panel for changing screen and icon color display.

Pattern Settings

Opens options for pattern display. Choose to see Start, End, or both Start and End points of patterns. Choose the size of the start/end point. Select to see pink line indicating direction of sewing. Select to see lines connecting grouped patterns.

Reposition Sewhead

Click to open reposition dialogue. Covered previously.

Quilt Size

Click to access input field for entry of quilt grid dimensions.

Background Image

Opens options for adding a background image as previously covered.

Calibrate X Axis

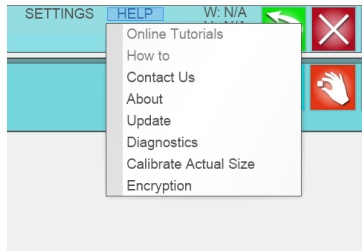
Click and follow prompts to mark, measure, and move several times to calibrate and scale encoder. Results of calibration show in scale field on Diagnostics screen.

Calibrate Y Axis

Click and follow prompts to mark, measure, and move several times to calibrate and scale encoder. Results of calibration show in scale field on Diagnostics screen.

Help Menu

Includes information about the system, updates, activation, diagnostics, calibration, and encryption.



Contact Us

To find contact information for ABM International.

About

Click to see the software version currently installed.

Update

Click to run the updater and update software.

Diagnostics

Click to open diagnostics screen, previously covered.

Calibrate Actual Size

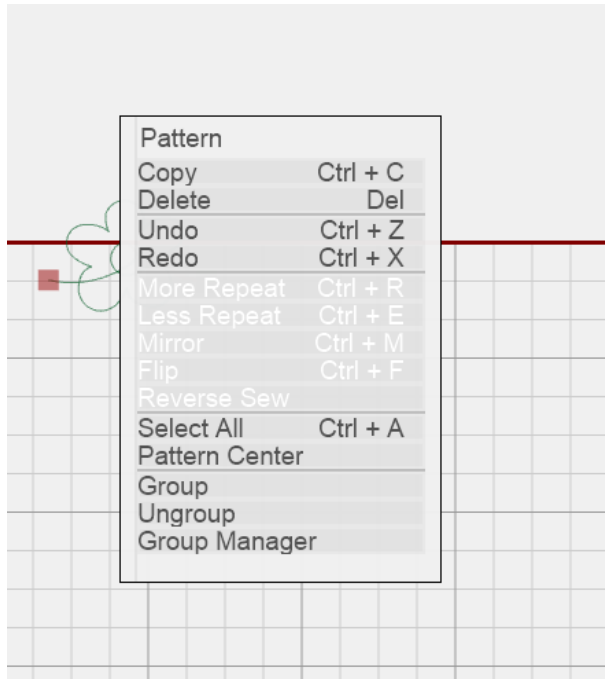
Click to calibrate the actual size of your screen.

Encryption

Click to install pattern encryption dongle.

Right Click Drop Down Menu

Right click on a pattern to gain quick access to many functions such as Copy, Delete, Undo, Redo, More/Less Repeats, Mirror, Flip, Reverse Sew, Select All, Pattern Center, Group, Ungroup, and Group Manager.



Keyboard Shortcuts

Ctrl + O: Open Project

Ctrl + N: New Project

Ctrl + P: Add to Pattern Pad

Ctrl + S: Save Project

Ctrl + I: Import Pattern

Ctrl + X: Cut (Delete)

Ctrl + C: Copy

Ctrl + H: Flip Horizontal

Ctrl + V: Flip Vertical

F5: More Repeats (while E2E tool is open)

F6: Less Repeats (while E2E tool is open)

Ctrl + Click: Select pattern(s)

Ctrl + A: Select all patterns

Ctrl + Z: Undo

Ctrl + Y: Redo

Icon Key



Undo: Reverse/Undo previous action.



Redo: Redo the previously undone action.



Delete: deletes pattern, row, or group that is selected on screen.



Copy: places copy of selected pattern, row, or group on screen.



Flip Horizontal: flips the selected pattern on the horizontal axis.



Flip Vertical: flips the selected pattern on the vertical axis.



Transform: opens dialog box for resize, rotate, nudge and pattern center options.



Reverse Sew: reverses the sew direction of the selected pattern.



Group: opens dialog box for group, attach, link and ungroup options.



Multiply: opens dialog box for More and Less Repeats, Multiply and options.



Positioning: opens dialog box for grab/drop pattern options.



Zoom Out: to see larger view of sew area.



Zoom In: to see more detailed view of sew area.



Active Zoom On: use mouse to click to zoom to more detailed view of sew area.



Active Zoom Off: turns click to zoom off.



Full View: shows full view of quilt width in viewport window.



Actual Size: zooms to the actual size of the selected pattern.



Pan On: Turn pan on and click and drag using mouse cursor on the quilt grid to navigate the quilt grid.



Pan Off: turns pan off.



Reposition: reposition quilt top.



Tension Check: uses add-on camera to view stitches under the quilt.

Notice

For Technical assistance call ABM at 888-99Quilt.

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