

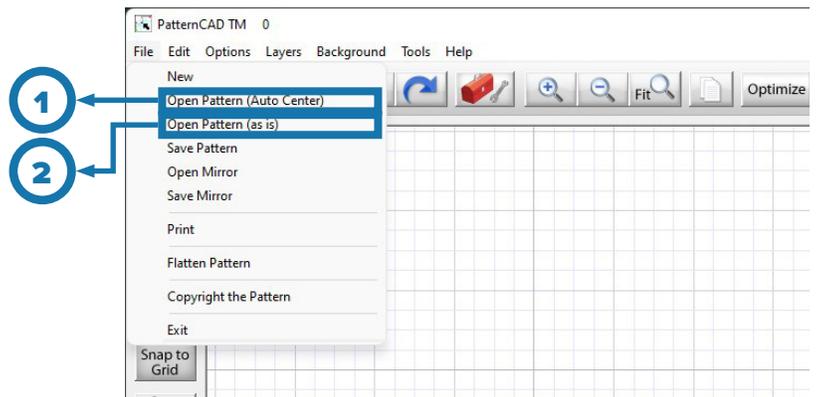


Pattern CAD is a feature of the Grace Company's Quilter's Creative Touch Pro Software. Pattern CAD can be used to create your own automation designs, but it can also be used to make adjustments to the designs that you already have. This document will give you a quick overview of the most useful tools for editing designs in Pattern CAD.

## Opening a Design in Pattern CAD

To open a design in Pattern CAD, click "File" in the top left corner and select one either "Open Pattern (Auto Center)" or "Open Pattern (as is)." Select your pattern and then tap "Open" to open the pattern.

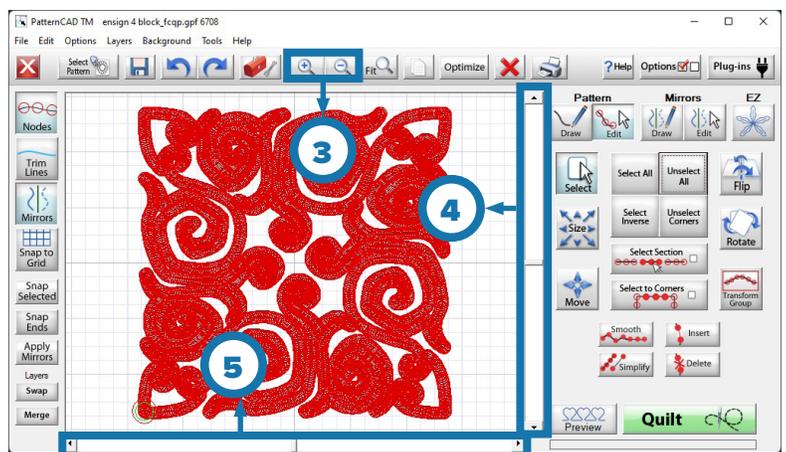
- 1 **Open Pattern (Auto Center)** This option will automatically resize your design to fit in the center of the view window.
- 2 **Open Pattern (as is)** This option will open the pattern at the size that it was saved at.



## Navigating in Pattern CAD

When editing a design you will need make adjustments to what you can see in the view window. To do this use the zoom in and zoom out buttons and the side bars to adjust the view

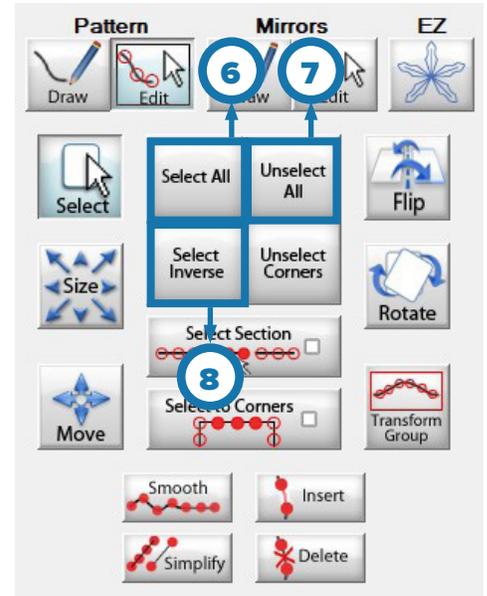
- 3 **Zoom In and Zoom Out** If you have nodes selected, you will zoom in to the center of the selected nodes.
- 4 **Adjust Up and Down View** Use the small arrows in the corners to move in small increments. Tap either side of the scroll bar to move in large increments.
- 5 **Adjust Left and Right View** Use the small arrows in the corners to move in small increments. Tap either side of the scroll bar to move in large increments.



## “Select” Tools

When you first select the “Edit” options in Pattern CAD, the “Select” options will be open by default. Below are the most useful tools found in the Select Options.

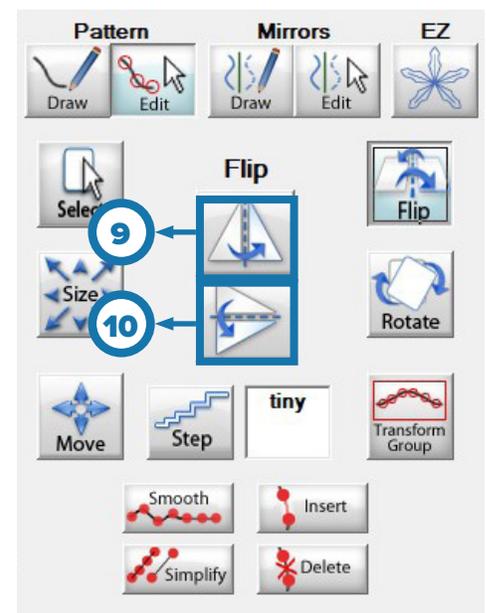
- 6 Select All** Tap this button to select all of the nodes in your design. This is useful for moving, flipping, or rotating your entire design.
- 7 Unselect All** Tap this button to unselect all of the nodes in your design. This is useful when you start moving nodes in a new part of your design so you don't move node you forgot were selected.
- 8 Select Inverse** All the selected nodes will be unselected and all the unselected nodes will become selected.



## “Flip” Tools

You can use these tools to flip your design. To flip your entire design you will need to have all of your nodes selected already.

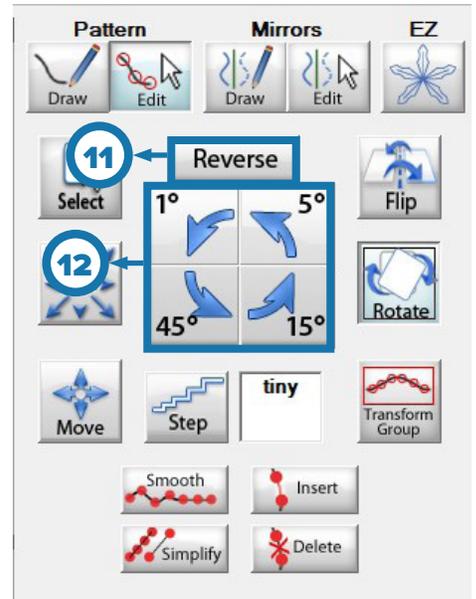
- 9 Flip Horizontally** Tap this button and the selected nodes will flip horizontally.
- 10 Flip Vertically** Tap this button and the selected nodes will flip vertically.



## “Rotate” Tools

You can use these tools to rotate your design. To rotate your entire design you will need to have all of your nodes selected already.

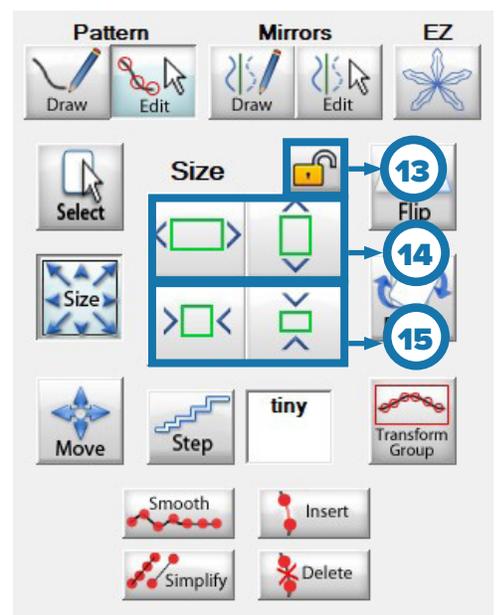
- 11 Rotate** Select how much you want to rotate your design by tapping 1°, 5°, 15°, or 45° and your selected nodes will rotate in the direction shown by the arrows.
- 12 Reverse** Switch between rotating clockwise and counter clockwise.



## “Size” Tools

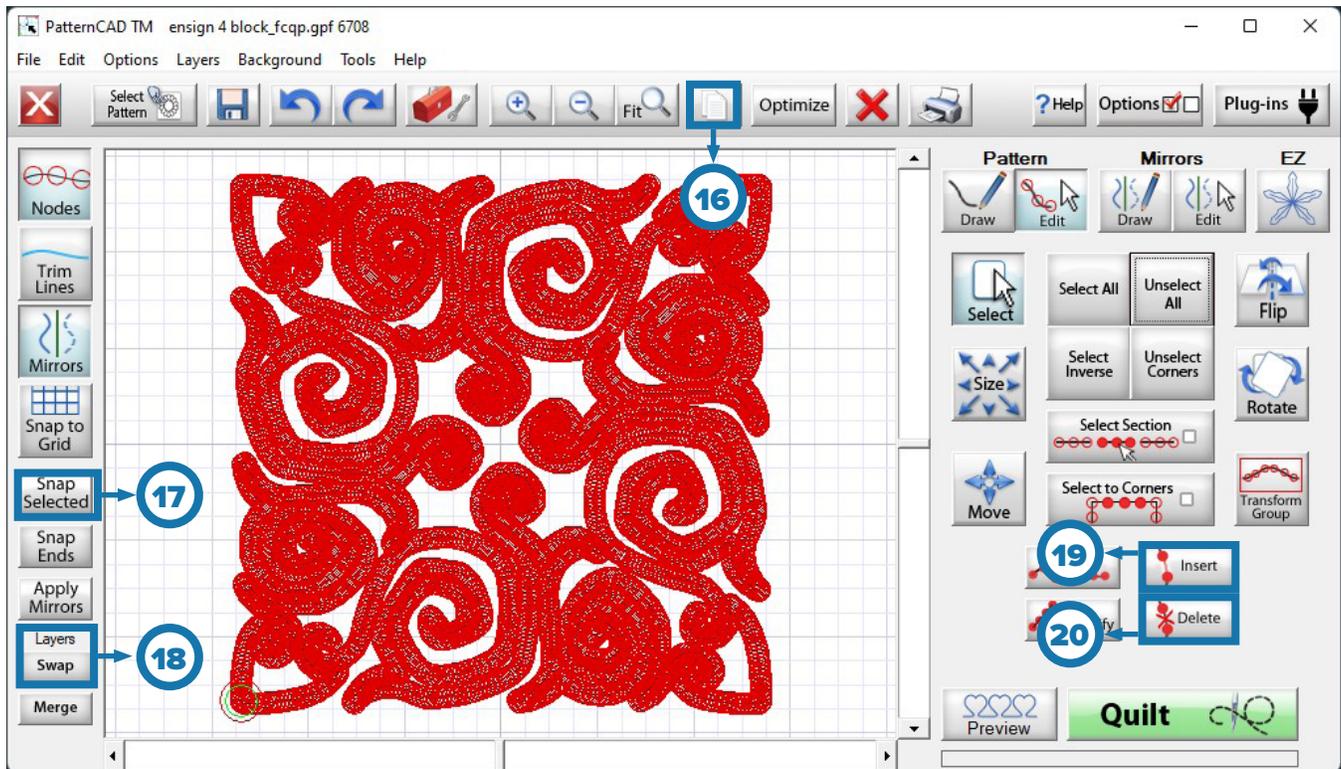
These tools can be used to resize your design. You can use the to resize your design to a specific size. To resize your entire design you will need to have all of your nodes selected.

- 13 Lock Aspect Ratio** Tap to switch between lock and unlocked. When locked both the height and width will be affected
- 14 Increase Height and Increase Width** Tap these buttons to increase the height or width of the selected nodes. When the aspect ratio is lock these buttons will both increase height and width at the same time.
- 15 Decrease Height and Decrease Width** Tap these buttons to decrease the height or width of the selected nodes. When the aspect ratio is lock these buttons will both decrease height and width at the same time.



## Advanced Tools

Here are some other tools that are useful for editing your design.



- 16 Copy** Tap this button and all of the lines that have the nodes on both ends selected will be copied. Be sure that you don't have any nodes selected without the node on the other end of the line selected.
- 17 Swap Layers** Pattern CAD has two layers that you can swap so that you can have a drawing of one design behind the design you are actively adjusting.
- 18 Snap Selected** If you have two nodes that are not part of the same line selected, tapping this button will snap the nodes together at the same point.
- 19 Insert** If you have two nodes that are not part of the same line selected, tapping this button will insert a line, spline, arc or parabola between the nodes, depending on what is selected on the "Draw" options.
- 20 Delete** If you have the nodes at either end of lines selected, tapping this button will delete the lines.