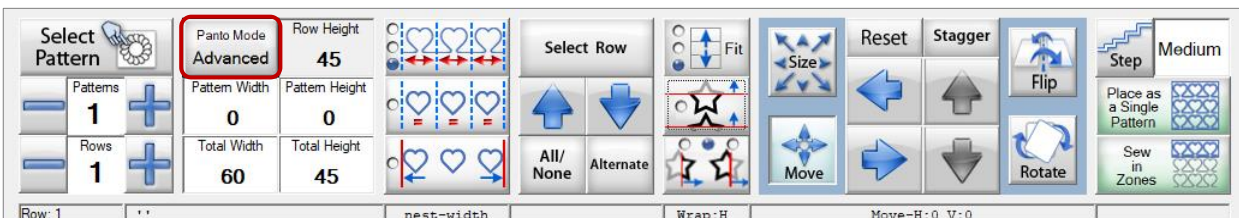
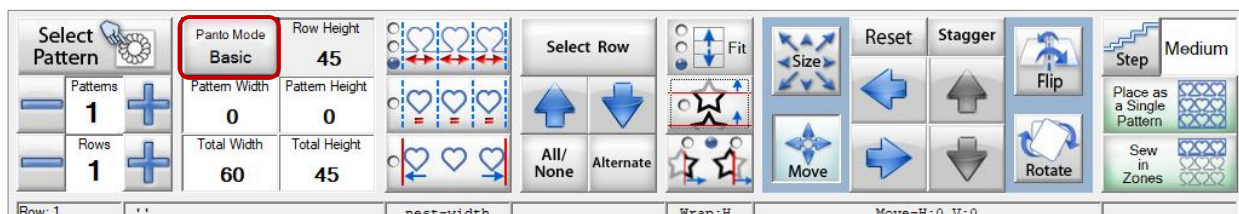
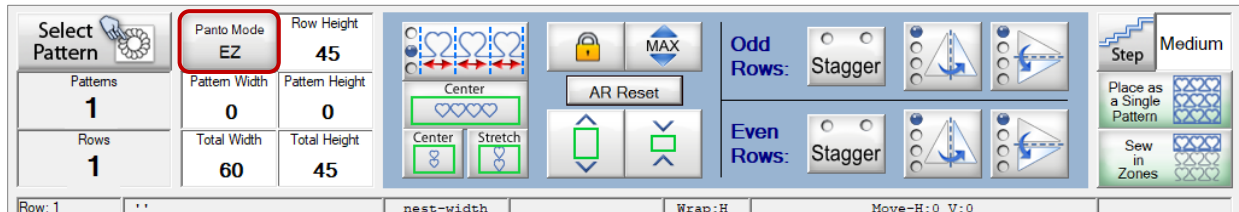
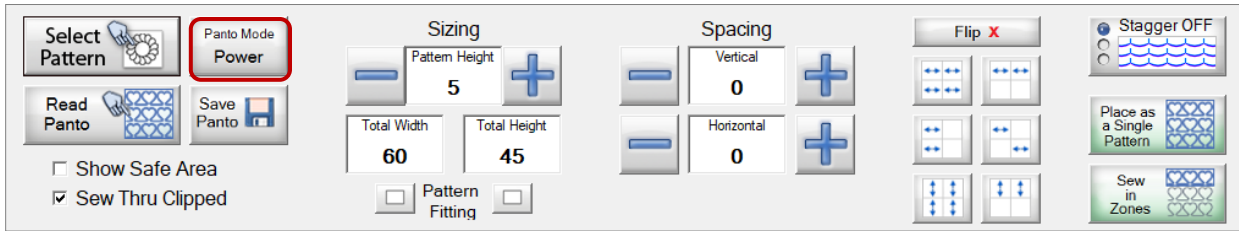
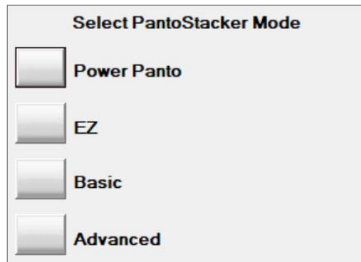


Pantograph EZ, Basic, Advanced

There are four Panto Modes in the PantoStacker screen. They are Power, EZ, Basic, and Advanced. The tools panel will change depending on what mode you have selected. The first columns on the left are similar for all modes. The center part is based on features available in that mode. The last part is how you are going to quilt the project.



Power Panto

This mode helps you easily set up your pantograph and will keep the aspect ratio correct for the design you have selected. Select your pattern, input your Total Width and Total Height of your quilt and the software will calculate the amount of patterns and rows needed in the design. You have the option to change the Pattern Height for the look you want.

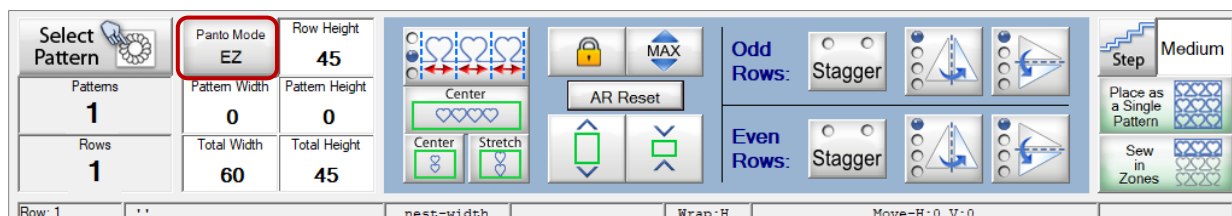
Note: For detailed instructions on how to set up a Pantograph in Power Panto, refer to our document on www.jukiquilting.com, e Learning, Power Panto Mode.

EZ – This mode automatically fills the pantograph with patterns based upon your size input.

Basic – Offers more control over your pantograph allowing you to specify rows and pattern counts.

Advanced – With this mode, you have control over every aspect of your pantograph.

EZ Mode -Tap on EZ.



1 2 3 4 5

1. Displays the number of Patterns and Rows you have selected for your pattern.
2. Tap on any of the boxes and enter the size you want to use. EX Mode lets you enter measurements for Row Height, Pattern Width, Pattern Height, Total Width and Total Height.
3. This area allows you to decide how your patterns will be joined and will let you select how you want to grow or shrink the height of your rows.
4. You can work with these tools to stagger or flip your designs.
5. These options will send your design to the quilting interface screen to sew your pattern.

Place as a Single Pattern – If the area you are quilting is entirely inside the quilting area of your machine and the pattern does not require rolling the quilt, this is a quick way to get your project quilted. This will quilt the entire setup as one design.


Sew in Zones - This sends the information to the quilting interface screen for you to quilt in large sections (rows). It will fit as many rows as it can into your safe area so you can quilt in zones (rows). Always save your Zone Sewing Pattern. This is the set up for your quilting project. You can go back and resume quilting if something interrupts your quilting process.

Quilt Exercise EZ Mode

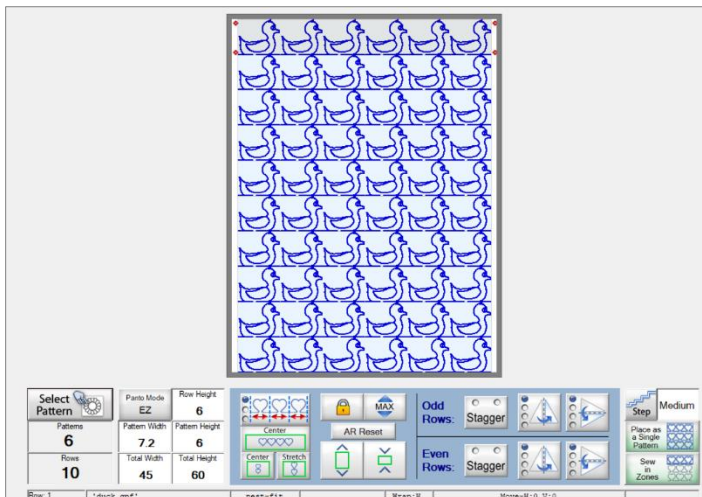
Tap on Power Mode and select EZ.

Enter the Total Width and Total Height of your quilt (45 x 60). Tap on Row Height and enter 6.

Select Pattern	Panto Mode	Row Height
	EZ	6
Patterns	Pattern Width	Pattern Height
1	0	6
Rows	Total Width	Total Height
10	45	60

Note: Measure the width and length of your quilt before you attach it to the frame. Another option to measure the width of the quilt is to use the Ruler once the quilt is attached. 

Select Pattern and choose duck.gpf. This is in the Continuous Lines folder.



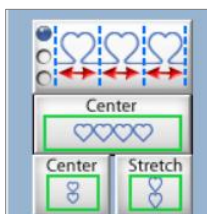
From here, you can change the number of Patterns and Rows, Row Height, Pattern Width or Pattern Height. If you enter the Row Height, the software will calculate the Pattern Height and Pattern Width.

Use the Grow and Shrink features to change the Pattern Height, if desired.



Choose how you want the pattern to fit on the screen. Center or Stretch.

Center will put the design in the center of the selected area, which may leave spaces on each side that will not have any stitching. Stretch will stretch the pattern to fit in the selected area.



Stagger will let you move odd or even rows to stagger the design. In EZ mode, no matter how many rows you have in your quilt pattern, the software only creates two unique rows, the Odd Row and the Even Row.



When you tap on the first selection of Odd Rows, the row will move to the left by a half of a pattern. The pink at the beginning of the odd rows is the partial design. If you stagger a second time the pink will disappear and it will quilt the full designs that are showing but will not quilt the partials that are not showing. Work with the Odd and Even rows until you get the design style you like.

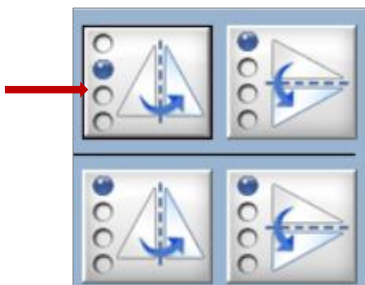
Flip the patterns horizontally or vertically for variations in the pattern. Using this feature can result in very interesting and beautiful designs.

Top selection – No Flip

Second selection – Flip All

Third selection – Flip the odd designs

Fourth selection – Flip the even designs.



Step will determine how the changes take place. There are 5 options, tiny, small, Medium, BIG, and JUMBO. There are not measurements for this, they are relative to each other.



You are now ready to send the pattern to the quilting interface screen to begin quilting,

Place As a Single Pattern

If the area you are quilting is entirely inside the quilting area of your machine, and the pattern does not require rolling the quilt, this is a quick way to get your project quilted. This will quilt the entire setup as one design.

Sew in Zones

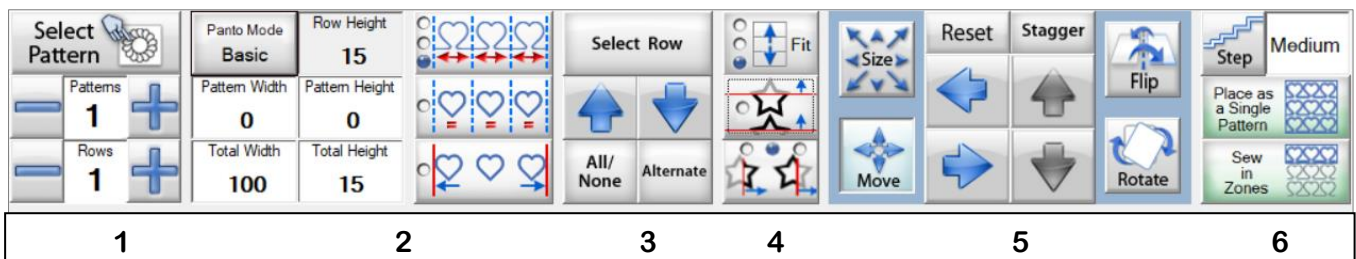
This sends the information to the quilting interface screen for you to quilt in large sections (rows). It will fit as many rows as it can into your safe area so you can quilt in zones (rows). Always save your Zone Sewing Pattern. This is the set up for your quilting project. You can go back and resume quilting if something interrupts your quilting process.



Basic Mode

This mode lets you control nesting for each individual row instead of for the entire quilt. The added features in this mode allow you to do the row-by-row nesting and lets you manage the partial inset rows and partial designs on rows.

These are the added features in Basic Mode



1. Area that you select your pattern, and enter the number of patterns and rows you would like to use.

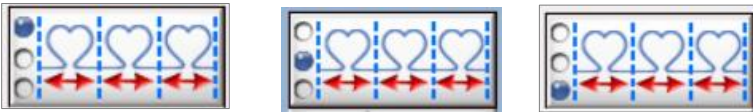
2. Enter your quilt width and length and select the Row Height you want to use, the Nesting options will tell the software how you want to join the pattern repeats together.
3. You can select Rows.
4. Manage partial inset rows and see how the partial designs are handled.
5. Size, Move, Flip, and Rotate.
6. Step increments and sending pattern to quilting interface screen for quilting.

Nesting Options

The top selection is the one that joins the motifs on a row together and makes than a continuous line. There are 3 Nesting options.

Second selection – *Fit*: Joins the start point of the design with the end point of the preceding repeat. It will allow parts of the design to overlap. *By Ends*: Joins the start point of the design to the end point of the preceding pattern. It allows parts of the design to overlap. Allows partial repeats to complete the entire design across the row, which are shown by pink partial designs being shown on one, or both, ends of the row.

By Width – the 3rd selection, uses the total pattern width to set the repeats and does not allow any overlapping. This means that if the width of any part of the design is larger than the distance between the start and end point, the design will not be continuous.



Equal – Center. It will space the designs evenly across the row but will not join the designs together. It will allow the Aspect Ratio to be locked.



Equal – Edges. This locks a design on each side of the row and then spaces the rest of the patterns across the row. Aspect Ratio can be locked.

Fit – This is used to tell the software how it needs to treat the top and bottom row of the quilt when you are using pantograph that needs a partial inset to fill the voids in those rows.



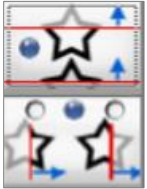
Top Option – Allows you to grow the quilting off the top and bottom of the quilt to create partial rows. You can also now use all four blue Move arrows. The Vertical Clipping button under Fit will let you quilt or not quilt the partial rows.

Middle Option – You can grow the quilt off the top and bottom of the quilt to create partial Rows. You only have access to the right and left Move options.

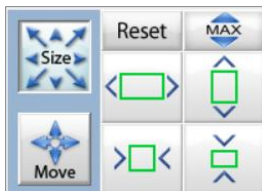
Bottom Option – It will keep the rows inside the length of the quilt and will not allow you to create partial rows.

Vertical Clipping – Gives the flexibility of not quilting the pink partial inset row after you have unchecked Fit to create the row. If you see the pink rows, they will quilt. If you do not see them, they will not quilt.

Horizontal Clipping – Gives the flexibility not to quilt the partials that are wrapping from one side of the row to the other end of that same row. You have three options with horizontal clipping. Sew all partials, sew no partials, or sew the blue partial and not the pink partials.



Size and Move – Allows you to resize the patterns and move the pattern to the left or right. You can select Rows and move them independently.



Advanced Mode

You have all the features of Basic Mode with the additional feature of being able to set a different design on each row. In Advanced Mode, every row can be different. Select the pattern and you can have a different number of repeats, flip some rows and not others. You can resize the rows. You can have different patterns on each row but the quilting will be like an edge-to-edge design.

