



Feature Tips for Upgrade 3 & Solaris Vision



baby lock

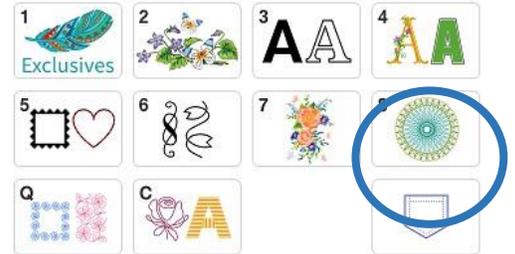
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Large Connect Embroidery Designs

- When the split pattern has been selected, the project can be completed with guided connection of the pattern on individual pieces can be connected using included basting stitch reference lines in conjunction with machine alignment tools.

- When following the guided connection, you will follow on-screen prompts to use embroidery positioning stickers to match the next section. If the camera cannot detect the positioning stickers, rehoop ensuring the positioning stickers are in the embroider able area of the hoop.



- When stitching the split design piece-by-piece, each segment will have basting stitches to be used for positioning the next pattern.
- The three large patterns use the largest hoop (10-5/8" x 16"). Two of these designs also use several bobbins, which increases the chance that the project may pop out of the hoop when removing and replacing the hoop if heavy stabilizer is hooped.
- To prevent the project from popping out of the hoop and/or puckering, we recommend floating mid to heavyweight cutaway stabilizer under the hoop instead of in the hoop.
- Another option is to hoop your stabilizer and float the top. Stick Tear Stabilizer can also be used for this and floating any additional stabilizer as needed.
- The Basting option is not allowed on the Large Connect Designs. Other editing tools are limited to ensure the stitch quality of the connected designs.
- A good result was yielded using Terial Magic to starch the fabric (Essex or cotton/linen fabrics) and floating midweight cutaway under the hoop. The stabilizer was pinned in the corners, away from the stitching field.
- Our next best result was using a lightweight fusible cutaway stabilizer and floating midweight cutaway under the hoop.



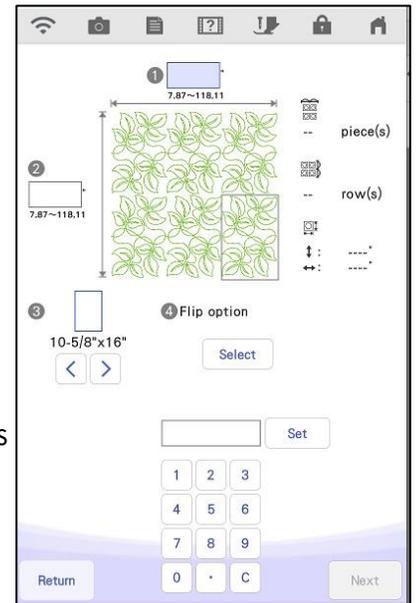
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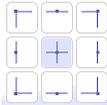
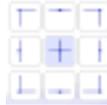


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Edge-to-Edge Quilting - Embroidery

- This feature is very similar to the quilting border feature of the Upgrade 1 and 2.
- Once the quilt area, pattern, and selected frame have been set, the machine will prompt the user to send the data to Memory and then recall it.
- From here, the project can be completed according to on-screen instructions or piece-by-piece.
- When following the on-screen instructions, the first segment has you anchor the upper left corner then match the upper right corner. Subsequent segments in this row have you anchor the first stitch before matching the upper right corner. The last segment has you also check the pattern width.



- To best match points, rotate the handwheel to check the exact needle position.
- If you find that you are rotating more than 1-2 degrees to match the upper right corner, you should select this tool to check the position of the pattern.
 
- The on-screen procedure will stitch across an entire row, stitching positioning marks so that the next row will be spaced with a 0.10-inch gap to prevent any overlapping of rows.
- It is very easy to overlook the prompt on the last row to check for the correct pattern length, especially if several rows have already been stitched. You will use this tool to check the length of the last row.
 
- Just like longarm quilting, for best results, specify an area larger than you need if doing true edge to edge.
- Stitch the repeats as prompted by the machine and trim the quilt to the desired size.
- Additional designs can NOT be imported into this function. For purchased designs it is best to use the Pattern Connectivity with the Camera features to aid in connecting patterns.



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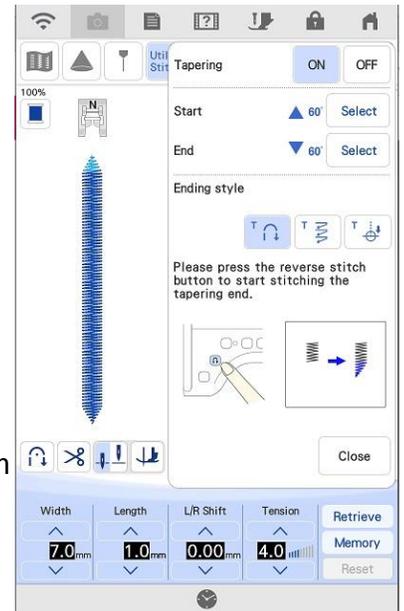
- If doing whole cloth quilting, it may be helpful to mark horizontal and vertical registration lines to assist in keeping consistent pattern sizes and connections.
- Other suggestions that have not been tested include using starch or selecting a more substantial fabric. Some fabrics may not be compatible with Terial Magic or starch.
- Another benefit of floating the cutaway stabilizer under the hoop is that you will be able to stabilize each section instead of needing one continuous piece of stabilizer
- Try using other materials such as Cork, Home Décor Suede, Screen or Canvas for these designs. Michaels carries 12 “ x 30” canvas that work well to stretch.
- The individual designs elements can be saved to machine memory, and which will allow for mor editing.
- Auto Resume function can be used with these designs if a need for the turning off the machine.
- Complimentary designs can be found in Tab 4 of the Common Design Category.



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Taper Function - Sewing

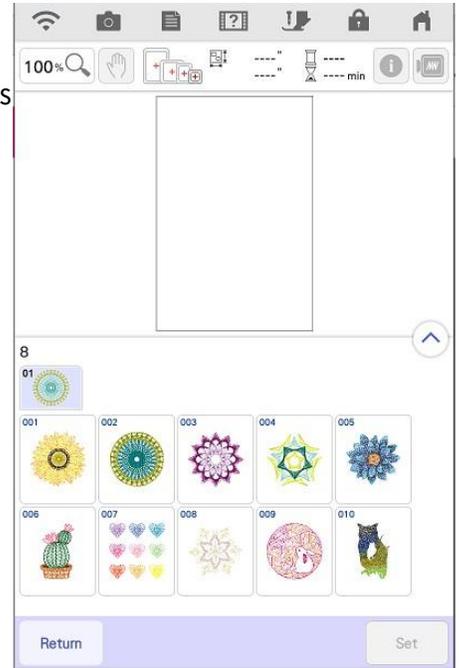
- There are three options to trigger the end taper:
 - Pressing the reverse button
 - Specifying several repeats
 - Using the end-point function (only available on BLSA machines with Upgrade 2 certified, BLSA2 and BLSA3 machines)
- Adjust the stitch pattern (length, width, L/R shift) before selecting the Taper function. Changing the length from the default setting may prevent the end-point-sticker function from working.
- Each ending option has its merits and applications. It is best to experiment on similar scrap fabric to test the different options.
- With the Repeat option, the length is an approximation. It will be more accurate in mm. Test stitch to determine length.
- Since this is using motif stitches, be sure to stabilize your fabric.



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Long-Stitch Embroidery Patterns

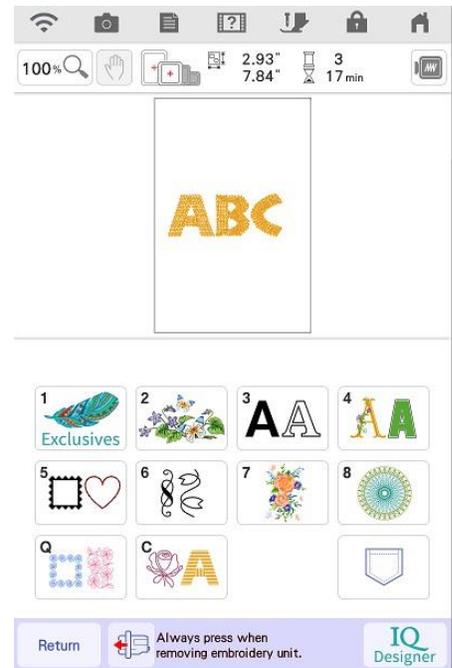
- Be sure that you have enough bobbin thread and embroidery thread to complete the pattern.
- The machine will stitch very slowly and deliberately. This is normal.
- These designs cannot be combined or exported. To stitch additional designs in the same hooping, you will need to stitch the long-stitch design, clear the pattern, scan the fabric in the hoop, set another design, then use the scanned image to place the new design.
- Utilize the Shape Creation Key to create outlines to be used in IQ Designer. These can be used to create fills around the designs stitch prior to the long stitch designs being stitched or as placements for multiple long stitch patterns. Refer to Learn and Create Projects – Long Stitch Cactus Pillow
- Not intended to be used on clothing or other high wash or high wear items. However, fusible interfacing can be placed to the back of the designs to add some increased stability to the stitches.
- 40 weight threads is recommended. Specialty threads can be used, such as metallic. Heavier weight threads could be used on some of the more open designs, such as the spirograph designs. Test stitch a design if wanting to try a different thread.



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Couching Alphabet Patterns

- Be sure that you have enough bobbin thread and embroidery thread to complete the pattern.
- BLSA machines with Upgrade I certified and BLSA2 machines already have a couching category (shapes) and the hardware necessary to stitch these designs (Embroidery Couching Foot, Yarn Guide, and Yarn Threader). The alphabet is added as a second tab of this category.
- BLSA machines without Upgrade I certified will not have existing couching designs or the hardware necessary to stitch these Upgrade III couching alphabet designs. The Upgrade III Instruction and Reference Guide explains the couching procedure for these consumers and specifies the items needed to stitch this couching alphabet.
- Use yarn that can be easily compressed by the couching stitches. This is typically a worsted weight, multi-ply acrylic or wool yarn. Cotton and linen yarns do not compress easily and cause the yarn to be pushed to one side by the needle instead of being stitched. Avoid yarns that are thin, fuzzy, or of varying thicknesses.
- These designs cannot be combined with patterns from other categories because a different embroidery foot is used. To stitch additional designs from other categories in the same hooping, you will need to stitch the couching pattern, clear the pattern, swap the embroidery foot, scan the fabric in the hoop, set another design, then use the scanned image to place the new design.
- The built-in video aids in the proper calibration of the foot and walks through the threading process. Ensure the needle position is properly lined up with the left half of the opening in the foot. This is highlighted in the video around minute 1.
- The machine speed with slow and the foot height will raise. The foot height may need to be increased if laying multiple yarn couching designs.
- If stitching repeated designs, use the stitch simulator preview to view the stitch order. This will aid in determining if you need to



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rotate a designs or re-sequence your designs for optimal stitching.

- If stitching multiple couching designs to create patterns, turn off the End Trim Function. This will allow for more control of the movement in between designs and eliminate any pull of the fabric out of the hoop.
- If thread breaks, it is easy to back up stitches and stitch over the area where thread breaks. Be sure to leave long thread tails than can be pulled to the back OR catch your thread tails under the couched fills and once secure trim.
- The magnetic frames work well with the Yarn couching.
- Use shape creation key to create outlines of the yarn couching designs. This allows for use of fills under the yarn couching or other elements to be created and stitched prior to adding yarn couching designs.
- Designs can be layered and stitched. Or, if overlapped areas are unwanted, use the +/- key to advance past sections not wanting to stitch.
- These designs can be combined with other letters of the couching alphabet or the couching designs (BLSA2 already has these, and Upgrade I for BLSA added these).

Thank you for the Baby Lock Quality Assurance Team, Theresa Bridgemann and Carole Buerman for their input on this document.



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