



— BABY LOCK —

Radiance™

Embroidery, Sewing, and Quilting Machine

Where innovation meets excellence, the Baby Lock Radiance embroidery, quilting, and sewing machine takes your creativity to the next level. With the largest projection area featuring IQ Live Stitch™ technology, you can project designs and stitches directly onto your fabric for flawless placement every time. The expansive 11 5/8" x 18 1/4" embroidery hoop, IQ Designer features, and editing capabilities allow for grand, intricate designs, making your creative possibilities endless. Plus, advanced quilting features like StitchSync™ Regulation enable you to master a wide range of free-motion techniques.



StitchSync™
Regulation



11 5/8" x 18 1/4"
Embroidery Hoop



Largest Projection Area
with IQ Live Stitch™

14.1"

14.1"
Creative Space



Picture
Play



FOR THE LOVE OF SEWING

 BabyLock.com

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StitchSync™ Regulation

With the Stitch Regulator attachment choose between Intermittent, Continuous, or Basting mode for a variety of free-motion quilting techniques. This attachment has 3 interchangeable soles: quilting, open toe, and echo quilting.



11 5/8" x 18 1/4" (297mm x 465mm) Embroidery Hoop

This is Baby Lock's LARGEST hoop yet! Use with the included embroidery table extension for added support for large projects.



Largest Projection Area with IQ Live Stitch™

While in embroidery mode, select from 16 different projection background colors on fabric choices to see your design clearly in the 8" x 5" (203mm x 127mm) projection area.



14.1" to the Right of the Needle

An unprecedented 14.1" (358mm) to the right of the needle for an overall workspace of 205 square inches giving you plenty of room to comfortably work on larger projects including full size quilts.



Precise Sewing Placement with Projected Guidelines

The Radiance uses a variety of guideline markers and grids for perfect placement. While in sewing mode, switch between 16 different laser colors for better visibility. Choose from a total of three main guideline patterns and six sub-guideline patterns as well as eight guideline angles.



Picture Play

Import your own picture (up to 6MB) and select from 12 options to convert it to an embroidery design. Recommended for use with the 10" x 10" (254mm x 254mm) embroidery frame.



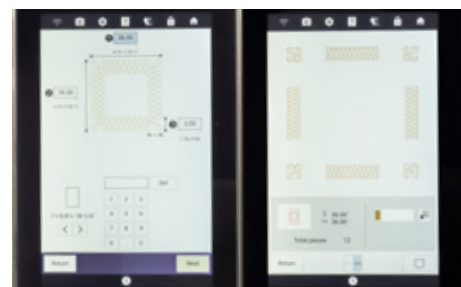
IQ Designer and IQ Intuition Positioning®

Create your own designs and quilt motifs with ease. Draw directly on the screen, scan in your favorite artwork, upload an existing file using a USB drive, or wirelessly send artwork to your machine from your smart phone using the IQ Intuition Positioning® App. Your art will be instantly converted for embroidery!



Edge-to-Edge Quilting

Create beautiful edge-to-edge quilting projects using the 15 built-in patterns. Enter a few measurements, select a hoop, specify flip options, and the Radiance sets up your entire quilt. The on-screen instructions and design projections guide you every step of the way for quilts measuring up to 118" x 118" (2,997mm x 2,997mm).

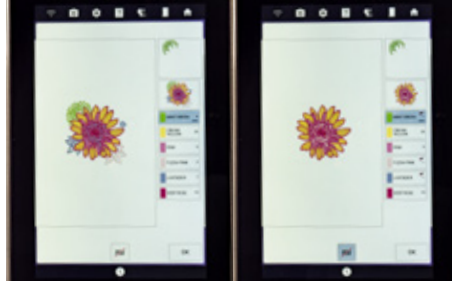


Enhanced Quilt Borders and Sashing

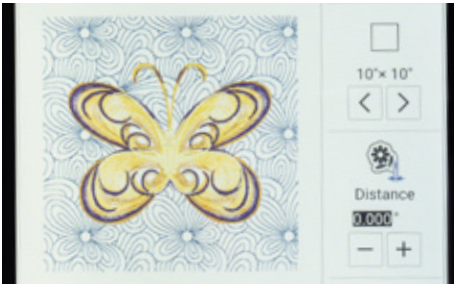
Create beautiful quilt borders and sashing with unmatched precision using the 35 patterns and two shapes. Enter a few measurements, and the Radiance does the necessary calculations for you. The on-screen instructions guide you every step of the way for quilts measuring up to 118" x 118" (2,997mm x 2,997mm).



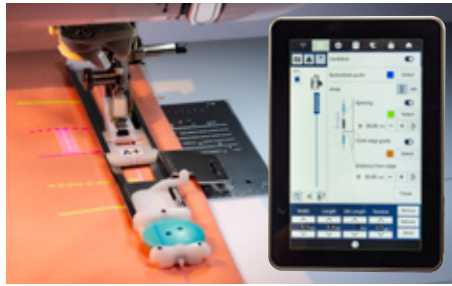
Large-connect Embroidery Patterns
Embroider large, stunning patterns in three connecting segments using the camera to precisely align each segment.



No Sew Setting
Deselect regions of a design to preview and stitch the design with fewer colors.



Quilting Around an Embroidery Pattern
Add stippling, echo quilting, or any of the 54 Decorative Fill patterns from IQ Designer around a selected design. Line spacing, distance and frame size are all easily adjustable.



Buttonhole Preview
Using the IQ Live Stitch Projector, preview the style, vertical or horizontal placement, and spacing of your buttonhole.



Long Stitch Embroidery Patterns
Stitch unique, decorative designs with long, overlapping stitches.



Fill Couching Alphabet
Stitch dimensional couched letters, characters and designs.



Wi-Fi Enabled

Wi-Fi enabled for optional download of update files, apps, and design transfer with Design Database Transfer or Palette 11 (optional purchase).

Technology Features

- New higher contrast AAA-rated WXGA IPS TFT LCD Color Touch Screen Technology
- Voice Guidance available with some processes
- IQ Live Stitch™
 - Projects your embroidery design or sewing stitches in an 8" x 5" (203mm x 127mm) area
 - Advance and select stitches from projection using the Dual-Purpose Stylus
 - Select background color from projection using Dual Purpose Stylus
 - Set stitch width, length, and left/right shift
 - Projection of Guide Beam, Grid, and Needle Beam for precision alignment of stitches
 - Buttonhole preview either vertically or horizontally
- NeedleCam™ Digital Camera for embroidery and sewing positioning with faster scanning
 - Precise Touch Positioning™ using NeedleCam
 - Camera detecting buttonhole foot with stabilization plate
- IQ Designer Scanning Frame
- Enhanced Stadium Lighting for 14.1" (358mm) area of brighter true color LED lighting on the needle and work area with 5 settings
- 2 (Type A) USB 2.0 drives
- Wireless Wi-LAN Function
 - Directly download update files to machine
 - IQ Intuition Monitoring®
 - IQ Intuition Positioning®
 - Design Database Transfer
 - Palette 11 pattern transfer to embroidery and IQ Designer
- NeverMiss™ Automatic Advanced Threading System
- Digital Dual-Feed System
- StitchSync™ Regulator
- Advanced Pivoting Feature and Automatic Fabric Sensor System
- Automatic sensors
- Embroidery and sewing speed up to 1,050 spm
- Precise tracking system on embroidery carriage
- Resume mode for Embroidery and IQ Designer
- Programmable shutoff capabilities
- Eco power mode
- Wireless mouse compatible

Embroidery Capabilities

- 1858 built-in embroidery designs
 - 381 Baby Lock Exclusives
 - 35 Sewlebrity designs
 - 17 Buttonhole embroidery designs in 5 sizes
 - 27 Buttonhole embroidery decoration designs
 - 240 Large decorative stitch designs
 - Couching Alphabet
 - 74 Quilting designs
 - 40 Couching patterns
 - 7 Large-connect designs
 - 7 Crochet lace designs
 - 11 Large alphabet designs
 - 18 Long-stitch designs
 - 11 Applique designs
- 140 Frame combinations
- 39 font styles
- New hoop size with 11⁵/₈" x 18¹/₄" (297mm x 465mm) embroidery field. This hoop has a new locking mechanism and side grips for fabric support.
- Embroidery design memory capacity approximately 10MB
- Reads embroidery designs with a stitch capacity of up to 850,000 stitches per design and 127 color changes
- Color Visualizer with favorite color options
- 9-Point trial to check position
- Starting point key for instant alignment of characters or patterns
- Alternate bobbin case when using bobbin thread other than The Finishing Touch™
- On-screen grid
- Cuts jump stitches (with on/off capability)
- Embroider without removing the foot control
- Compatible with optional W+ Needle Beam Foot

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Embroidery Editing Capabilities

- Combine embroidery designs on screen
- Character/text array function
- Character spacing
- Multi-line text with justification options
- Character insert and group edit capabilities
- Change fonts on letters or words before or after the design is set
- 0.1°, 1°, 10°, and 90° pattern rotation
- Enhanced design enlargement (up to 200%) and reduction (down to 60%) capabilities
- Design duplication
- Multiple design selection capabilities
- Automatic appliqué
- Automatic basting
- Add automatic stippling, echo stitching, and decorative fill patterns around embroidery designs
- Mirror imaging
- Change color selections within designs
- Enhanced color sorting to optimize sewing order
- Monochrome option for embroidery designs
- Programmable custom thread color palette
- 14 Major thread brands color palettes built-in

Advanced Sewing Capabilities

- 1610 Built-in stitches including
 - 184 Utility including 15 one-step buttonhole styles and 1 four-step custom buttonhole
 - 527 Decorative
 - 79 Decorative satin
 - 20 Satin
 - 21 Cross-stitch
 - 63 Combinable Utility
 - 3 Hand-look Quilting
 - 20 Tapering
 - 4 Built-in alphabets
- 40 Quilting stitches offer 57 needle position options
- Stitch length 0.0mm - 5.0mm (Stitch length over 2mm can increase in increments of 0.2mm)
- 2 Basting stitch options:
 - Regular (5mm) and free-motion
- Maximum Utility stitch width 7mm
- Utility stitch editing capabilities
- 5 Memory settings for each Utility stitch
- Decorative stitch editing capabilities
- Sewing function is available while the embroidery arm is attached
- Specify end-point for stitch line with capability to end with a completed pattern
- Stitch taper for specifying start and end angles of a select category of stitches
- Dual Feed Foot
- Stitch Regulator
- Automatic drop feed key on screen
- Lock key for Utility and Decorative stitches
- Reinforcement priority settings
- Lateral and diagonal feeding
- Variable needle positions
- Fully automatic built-in darning
- Twin needle settings

Convenience Features

- Increase in bobbin capacity 4.5m (14.75 feet)
- Larger sewing bed and workspace with 14.1" (358mm) to the right of the needle
- Frosted surface finish on machine bed
- Convenient one-touch buttons for
 - Start/Stop
 - Reverse sewing
 - Reinforcement key
 - Needle up/down
 - Thread cutter
 - Automatic presser foot lift
 - Automatic needle threading
- Sewing speed control doubles as width control
- Quick-Set, Top-Loading bobbin with sensor
- Quick-Set Independent bobbin winding system
- One finger removable needle plate for easy access cleaning
- Ergonomic 3-position, adjustable knee lift with extra high presser foot lift - 10mm Automatic and 13mm Manual
- Programmable 3-step needle up/down
- Adjustable volume with 5 settings
- Automatic thread cutter (with on/off capability)
- Needle plate with scale in inches and centimeters and additional guideline markings
- Free arm
- Foldable two-spool thread stand attaches magnetically to machine lid
- Two accessory storage compartments in sewing tray
- Enhanced Accessory Storage Box with 3 interchangeable trays

Instruction and Help Resources

- Built-in Instruction and Reference Manual
- Built-in Operational Guide with up to 40 help topics
- Videos available online using QR code
- Built-in Sewing Application Guide
- Built-in Help Messages
- Embroidery Stitch Count System - SCS
- Capability to save settings screen images

Downloadable Software

- Your machine will stay current with future upgrades/updates via USB or WLAN connection

Additional Information

- Language conversion capabilities (12 languages)
- 11½" x 18¼" (297mm x 465mm) Hoop required space is at least 20" (508mm) clearance from any back wall

Included Accessories

- Dual Purpose Stylus
- Adjustable knee lifter with 3-position handle
- Advanced multi-function foot controller
- 17 Presser feet
 - 1/4" Quilting foot with a guide
 - Blind stitch
 - Button fitting
 - Camera Detecting Buttonhole foot with stabilization plate
 - Couching Dual Feed sole
 - Compact Digital Dual-Feed System
 - Embroidery foot "W"
 - Embroidery couching foot
 - Free-motion echo
 - Free-motion open toe quilting
 - Free-motion quilting
 - General purpose zigzag
 - Advanced monogramming N+
 - Overcasting
 - Stitch Regulator
 - Stitch Regulator Quilting sole
 - Stitch Regulator Open Toe Quilting sole
 - Stitch Regulator Echo Quilting sole
 - Straight Stitch
 - Zipper
- Easy-lock accessory case for presser foot storage with 3 interchangeable trays
- 2 Thread king spool stand for larger cones
- Straight stitch needle plate
- Bobbin Covers with and without markings
- Alternate bobbin case
- Bobbin center pin
- Embroidery bobbin thread
- Bobbins
- Embroidery Positioning Stickers (2 Sheets)
- End-point stickers (4 sheets, 243 stickers per sheet)
- White needle calibration stickers
- Multi-position screwdriver
- Presser foot adaptor
- Seam ripper
- Scissors
- Eyelet Punch
- Spool nets (2)
- Foot control
- Twin needle
- Yarn guide for couching
- Yarn threader
- Scanning frame with magnets
- Embroidery Support Table
- Embroidery hoops
 - 11½" x 18¼" (297mm x 465mm)
 - 10½" x 10½" (272mm x 272mm)
 - 5" x 7" (130mm x 180mm)
 - 4" x 4" (100mm x 100mm)
- **Warranty:**
 - 25 years casting limited
 - 10 years parts
 - 5 years circuit boards
 - 5 years electrical
 - 1 year labor



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LBSP-BLRA (9/24)

The Baby Lock Experience



Education

We provide you with a comprehensive library of education and training so you'll always have something to learn.

Service

We provide the highest quality products and services, and can meet your needs better than anyone else.



Support

You can rely on Baby Lock for the support you need to get the most out of your machine.

