Mid-Level

Aerial

Embroidery and Sewing Machine

Aerial takes your sewing and embroidery projects to new heights with a variety of advanced features you've come to expect from Baby Lock. It features IQ Technology™ that works with the machine's "brain" to make sewing and embroidery easier.

- 8" x 12" Embroidery Field
- LCD Color Touchscreen
- NeverMiss™ Automatic Needle Threader
- 262 Built-in Embroidery Designs
- 757 Built-in Stitches

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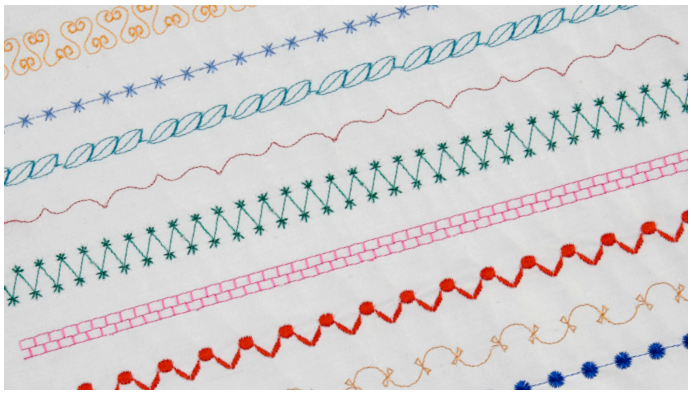
The Sky's the Limit for Your Projects!

IQ™ Technology
Baby Lock machines come with features that make sewing easy no matter what you want to create. These innovative features powered by Baby Lock IQ™ Technology, work with the "brain" of your machine to achieve the results you desire. Taking your creative journey with IQ Technology makes it easy to bring your vision to life.

8" x 12" Embroidery Field
There's plenty of room for your embroidery designs, and you'll enjoy less re-hooping, too!

LCD Color Touchscreen
The large, color LCD vividly displays embroidery designs, and makes it easy to change your machine settings. This screen measures 7" diagonally and shows up to 260,000 colors so you will know what your designs really look like before you sew.

NeverMiss™ Automatic Needle Threader
The NeverMiss Needle Threader does exactly what it promises – it threads your needle with little more than the push of a button.

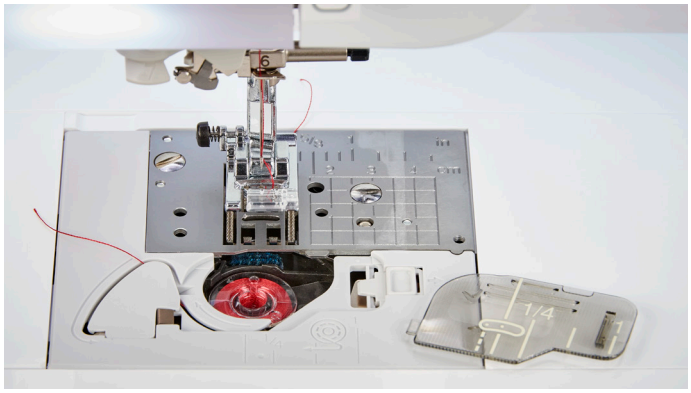


757 Built-In Stitches
Aerial is loaded with stitches, giving you plenty of options for every project. Best of all, you can combine them for countless stitch combinations, and you can save the combinations in memory to retrieve them at any time.

Hands-Free Presser Foot Lift
Keep both hands free for sewing. Start and stop your sewing without ever taking your eyes—or hands—off your project.

262 Built-In Embroidery Designs
You'll always have something to embroider with Aerial's selection of built-in designs. The library features large thumbnails to make finding the right match even easier.

Large Work Space
With a generous 11.25" workspace the right of the needle, Aerial gives you plenty of room to work. Those larger projects aren't anything to worry about!



Quick-Set Drop-In Bobbin
Simply drop your bobbin in the machine, pull your threads through the slot and let your machine do the rest.

Enhanced Stadium Lighting
High-powered color rendering LEDs illuminate your project so you can see every detail – including your large embroidery designs.

Aerial Optional Accessories

Palette 11 (ECS11)
Using this advanced software, you'll create and edit embroidery designs easier than ever before. You'll enjoy improved functionality that makes every step of digitizing easier. All-new editing features help you perfect your embroidery projects.

Trolley (BLMTXL-BK)
Safely take your Baby lock Machine to class and on the road in this durable trolley bag. Adjust the handle to a comfortable height and pull the easy-rolling trolley wherever you go. Fits your machine's associated accessories and hoops too!

Foot Kit (BLTAFTKIT)
Expand your creative possibilities with this 26-Piece Foot and Accessory Kit. It features a wide variety of feet for more techniques.

Extension Table (BLMA-ET)
Instantly create a larger sewing surface with this extension table. The table's convenient design stores your knee lift underneath. Table size 25"L x 16"W.

Aerial Included Accessories

- Touch pen (stylus)
- USB cable
- Knee lift
- 11 Presser feet
  - Buttonhole
  - Overcasting
  - Monogramming
  - Zipper
  - Zigzag
  - Blind stitch
  - Button fitting
  - Straight stitch
  - Embroidery foot
  - 1/4" Quilting with a guide
  - Free-motion open toe quilting
- Alternate bobbin case for use with pre-wound bobbins
- Specialty bobbin case for bobbin work
- Center pin for prewound and L class bobbins
- Cord guide bobbin cover
- Straight stitch needle plate
- Soft cover for machine
- Bobbins (10)
- Spool cap assortment
- Seam ripper
- Twin needle
- Needle Pack
- Vertical Spool Pin
- Cleaning Brush
- Screwdrivers
- Embroidery needle plate cover
- Spool net
- Adapter
- Eyelet punch
- Chalk Pencil
- Foot Control
- Embroidery bobbin thread
- Embroidery hoops and grids included
  - 8" x 12" (200mm x 300mm)
  - 5" x 7" (130mm x 180mm)

Features and Specifications

Technology Features

- LCD Color Touchscreen
  - Shows 260,000 colors
  - Measures 7" diagonally
  - Clock and Date
- Enhanced Stadium Lighting for brighter true color LED lighting of 10" around the needle
- 2 USB drives: 1 (Type A) drive, 2.0 connects with a mouse, hub, flash drives and CD-ROM drives and 1 (Type B) USB direct connect to a PC
  - Access designs stored in folders when using USB Type A
- NeverMiss™ Threading System
- Automatic thread cutter
- Quick-Set, top-loading bobbin with sensor
- Quick-Set independent bobbin winding system with variable speed
- Automatic sensors
  - Thread tension control makes tension adjustments for accurate stitches
  - Upper and lower thread sensors to alert when threads run out
  - Onscreen hoop sensor to recommend size of hoop
- Embroidery speed up to 1,050 spm

Embroidery Features

- Built-in embroidery design library
- 262 Embroidery designs built-in
  - 165 Baby Lock exclusive designs
  - 12 Floral vine alphabet accents and frame patterns
  - 13 Bobbin work designs
- 140 Frame combinations
- 19 Font styles including
  - Exclusive script alphabet characters
  - Large floral vine alphabet
- Embroiders up to 8" x 12" (200mm x 300mm) embroidery field
- Memory capacity 1MB
- Reads embroidery designs with a stitch capacity of up to 500,000 stitches per design
- Color Touch Screen shows:
  - Design placement using drag and drop capabilities
  - Estimated embroidery time display and stitch count
  - Needle advancement (1, 10, 100 or 500 stitch increments or entire thread color)
  - Measurements displayed in inches or millimeters
  - Color separation
  - Thread color indicator
  - Onscreen hoop size indicator
  - Low bobbin thread indicator
  - 300 color names
- 9-point trial check points
- Starting point key for instant alignment of characters or patterns
- Alternate bobbin case for pre-wound bobbins
- Custom embroidery pattern and thumbnail background colors (66 options)
- Resume feature
- On-screen grid
- Cuts jump stitches (with on/off capability)
- Stitch Count System – .SCS

Embroidery Editing Features

- Combine embroidery designs on screen
- Character/text array function
- Multi-line text function
- Character spacing
- 1°, 10°, and 90° Pattern rotation
- Design enlargement (up to 20%)
- Design reduction (up to 10%)
- Automatic basting
- Mirror imaging
- Change color selections within designs
- Color sorting on border designs
- Monochrome option for embroidery designs
- Programmable custom thread color selection

Sewing Features

- 757 Built-in stitches including
  - 138 Utility with 14 one-step buttonhole styles
  - 442 Decorative
  - 20 Satin
  - 77 Decorative satin
  - 17 Cross
  - 63 Combinable Utility
- 5 Built-in alphabets
- Maximum utility stitch width: 7mm
- Stitch length 0.0mm - 5.0mm
- Automatic Fabric Sensor System adjusts presser foot pressure and tension to deliver perfect stitch
- Advanced Pivoting Feature
- Ergonomic hands-free presser foot lift with extra high setting 10mm automatic and 13mm manual
- 11.25" Workspace to the right of the needle
- LED lights illuminate 10" around the needle
- Sewing speed up to 1,050 spm
- Automatic drop feed

Advanced Sewing Features

- Utility stitch editing capabilities
- Stores personal stitch settings for each Utility stitch on machine
- Decorative stitch editing capabilities
  - Back to the Beginning key, returns to the beginning of a decorative stitch pattern
  - Edit and combine Character/ Decorative stitches
  - 24 Memory Pockets for Character/Decorative stitches equaling 1 MG
  - Store additional stitch combinations on your PC using the 2 USB ports
- Mirror-image capability for stitches
- Lock key for stitches keeps current settings
- 57 Variable needle positions
- Programmable needle up/down
- Upper and lower thread sensors to alert when threads are broken
- Lateral and diagonal feeding
- Fully automatic built-in darning
- Twin needle settings

Convenience Features

- Convenient one-touch buttons for:
  - Start/Stop
  - Reverse sewing
  - Reinforcement stitch
  - Needle up/down
  - Thread cutter
  - Automatic presser foot lift
  - Auto threading
- Needle plate with scale in inches and centimeters
- Additional seam markings on bobbin cover for needle position preference
- Free arm
- Two accessory storage compartments

Additional Information

- Built-in Help Messages
- Built-in Operational Guide
- Built-in Sewing Application Guide
- Multiple Language conversion capabilities

Warranty

- Warranty (25-year limited, 10-year parts, 5-year computer circuit, 5-year electrical, 1-year labor)
- Optional Love of Sewing Comprehensive Care Program

Optional Accessories

- Baby Lock Stabilizer
- Palette 11 (ECS11)
- Trolley (BLMTXL-BK)
- Foot Kit (BLTAFTKIT)
- Extension Table (BLMA-ET)
- Digital Dual Feed Foot (BLTY-DDF)
- Embroidery Foot with LED (BLTY-EF)
- Multi-function Foot Control (BLMA-MFC)
- Dust Cover (BL-COVERXL)
- 10 Spool Stand (BLMA-TS)
- 2 Spool Stand for King Spools (BLMA-STS)
- Bobbins (BLG-BOB)
- 6" x 6" (150mm x 150mm) Embroidery Hoop (BLMA-150)
- 2-1/2" x 1" (60mm x 20mm) Embroidery Hoop (EF73)
- 4" x 4" (100mm x 100mm) Embroidery Hoop (EF74)
- 8" x 8" (200mm x 200mm) Embroidery Hoop (EF91)
- 12" x 4" (300mm x 100mm) Embroidery Border Hoop (BLMA-CBH)
- 7" x 4" (180mm x 100mm) Embroidery Border Hoop (BLSO-BF)
- USB Mouse (XE4904-101)

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