Brother PR680W

Brother Entrepreneur PR680W Multi-Needle Embroidery Machine User Manual

Model: PR680W

1. INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation of your Brother Entrepreneur PR680W 6-Needle Multi-Embroidery Machine. Please read this manual thoroughly before using the machine to ensure proper setup, operation, and maintenance. Retain this manual for future reference.

2. PRODUCT OVERVIEW

Figure 1: Brother Entrepreneur PR680W Multi-Needle Embroidery Machine.

Key Features:

- 6-Needle embroidery capability for multi-color designs without frequent thread changes.
- Generous 8" x 12" (30x20 cm) embroidery area.
- Built-in 10.1" HD LCD touch screen for intuitive operation and design preview.
- Wireless (Wi-Fi) data transfer for design management.
- Compatibility with Scan N Cut Canvas App for design integration.
- High-speed embroidery up to 1000 stitches per minute.
- 100 built-in embroidery designs.
- 18 monogrammed font styles.
- 140 frame pattern combinations.
- 50 letter fonts.
- 10 eyelet styles in 3 sizes.

- Automatic needle threader.
- Automatic thread cutter.
- Includes a complete cap embroidery kit.
- USB ports for direct design transfer.
- Optimized screen icons for user interface.
- Wireless link function for enhanced connectivity.

Specifications:

Figure 2: Approximate dimensions of the Brother Entrepreneur PR680W.

Feature	Detail
Product Dimensions	20.08 x 23.23 x 29.92 inches

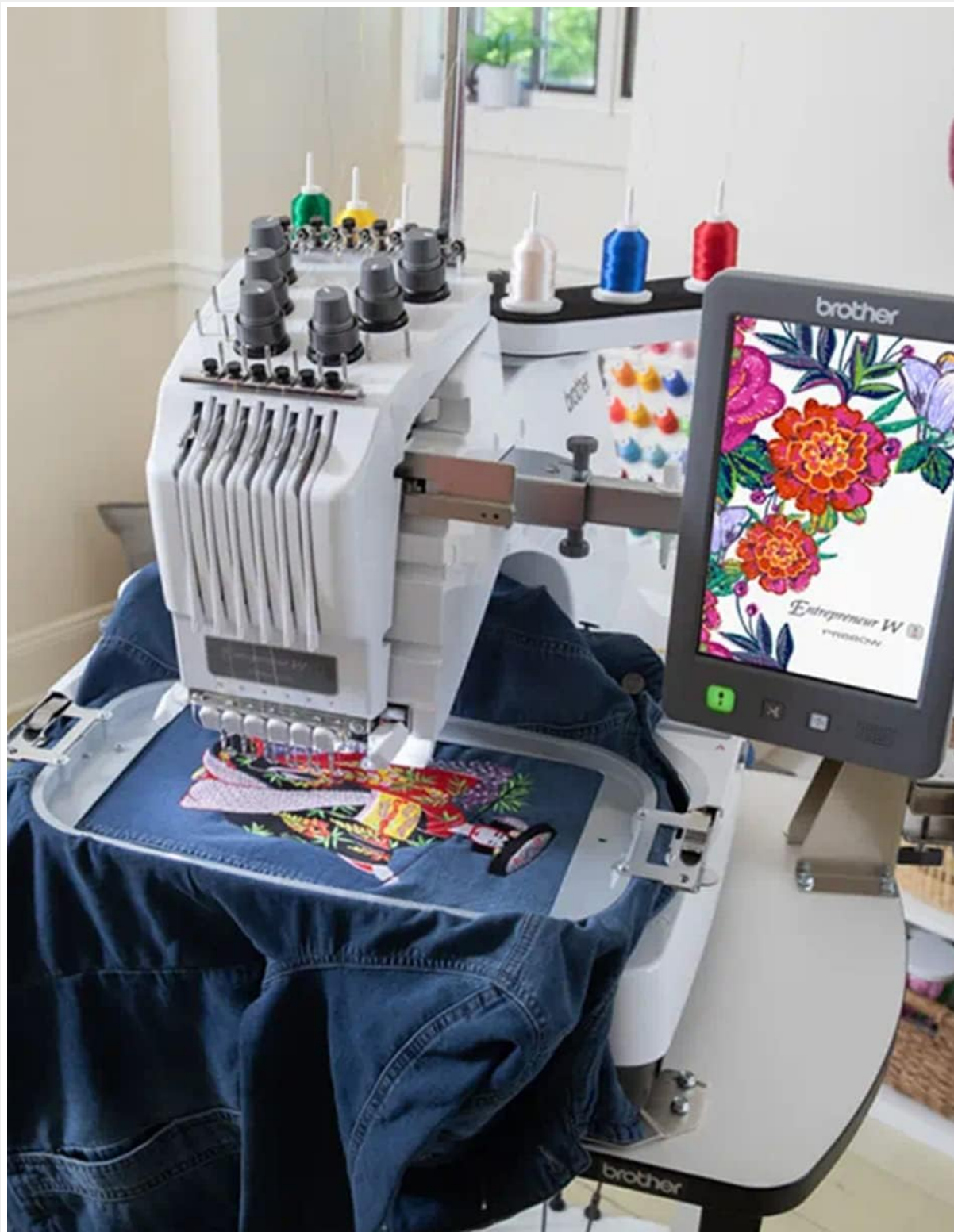|	
Item Weight	100 pounds
ASIN	B0B4QVB71K
Item Model Number	SAPR6BOOK
Date First Available	September 19, 2023
Brand	Brother
Color	White
Material	Plastic Stainless Steel
Power Source	Electric Cable
Is Electric	Yes
UPC	012502664833

3. SETUP

Before beginning any embroidery project, ensure the machine is properly set up. This includes placing the machine on a stable surface, connecting it to a power source, and preparing your material for embroidery.

3.1 Hooping Your Material

Proper hooping is crucial for quality embroidery. For items like caps, use the dedicated cap embroidery kit. Ensure the fabric is taut and wrinkle-free within the hoop to prevent puckering or misalignment during stitching.

Figure 3: The embroidery machine in operation, demonstrating its capability on various fabrics.

3.2 Threading the Machine

The PR680W features a 6-needle system, allowing for multiple thread colors. Follow the on-screen instructions or refer to the detailed threading guide in the full manual for each needle. The automatic needle threader simplifies this process. Ensure the bobbin is correctly inserted and threaded.

4. OPERATING INSTRUCTIONS

The 10.1" HD LCD touch screen provides an intuitive interface for selecting and managing your embroidery designs.

4.1 Design Selection and Transfer

- **Built-in Designs:** Access the 100 built-in embroidery designs, 18 monogrammed font styles, 140 frame pattern combinations, 50 letter fonts, and 10 eyelet styles directly from the touch screen.
- **Wireless Transfer:** Utilize the Wi-Fi connectivity to transfer designs from your computer or mobile device using the Scan N Cut Canvas App.
- **USB Transfer:** Connect a USB drive to the machine's USB port to import designs.

4.2 Starting Embroidery

1. After selecting your design and hooping your material, position the hoop correctly on the machine.
2. Use the laser pointer (if available) on the machine to verify the design placement on your fabric.
3. Confirm thread colors for each needle as per your design.
4. Press the Start button on the touch screen to begin the embroidery process. The machine will automatically switch between needles for different colors and use the automatic thread cutter as programmed.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your embroidery machine.

- **Cleaning:** Regularly clean the bobbin area, needle plate, and tension discs to remove lint and thread residue. Use a soft brush or vacuum.
- **Needle Replacement:** Replace needles frequently, especially when working with different fabric types or if you notice skipped stitches or thread breakage.
- **Lubrication:** Refer to the comprehensive manual for specific lubrication points and recommended lubricants.
- **Software Updates:** Periodically check the Brother support website for firmware updates to ensure your machine has the latest features and bug fixes.

6. TROUBLESHOOTING

This section addresses common issues you might encounter. For more detailed troubleshooting, consult the full product manual or Brother's online support resources.

- **Skipped Stitches:** Check needle condition, ensure proper threading, and verify fabric hooping tension.
- **Thread Breakage:** Inspect for burrs on the needle or machine parts, ensure correct thread tension, and use quality embroidery thread.
- **Machine Not Responding:** Verify power connection, check for error messages on the touch screen, and restart the machine if necessary.
- **Poor Stitch Quality:** Adjust thread tension, replace the needle, and ensure the correct stabilizer is used for your fabric.

7. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Brother support website. If you require technical assistance or have questions not covered in this manual, please contact Brother customer support directly.
Brother Support: www.brother-usa.com/support