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> [BTY N-5 Mini Portable Electric Sewing Machine Instruction Manual](#)

BTY N-5

BTY N-5 Mini Portable Electric Sewing Machine Instruction Manual

Brand: [BTY](#) | Model: [N-5](#)

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1. INTRODUCTION

This instruction manual provides detailed guidance for the [BTY N-5 Mini Portable Electric Sewing Machine](#). Learn about its features, setup, operation, and maintenance. Designed for ease of use, this machine is suitable for beginners and various household sewing projects, offering 12 built-in stitches, dual-speed control, and multiple power options.

Key Features:

- **Portable & Lightweight:** Weighing only 5.39 pounds and compact (10.8 x 4.8 x 10.2 inches), it's easy to store and transport.
- **User-Friendly Design:** Equipped with an LED lamp, foot pedal, metal threader, thread cutter, and locking metal presser foot, making it accessible for beginners.
- **Safety & Durability:** Features a non-slip bottom pad and is constructed from environmentally friendly materials, including UL-certified cables and 3C-certified power supplies.
- **Multi-Functional:** Offers dual-threaded, 2-speed operation, and dual power supply options. Includes 12 built-in stitches, reverse stitching, and interchangeable metal presser feet for diverse projects like quilts, clothing, and home decor.

2. SETUP

2.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Ensure all accessories listed in the package contents are present and undamaged. Keep the packaging for future storage or transport.

2.2 Powering the Machine

The BTY N-5 sewing machine offers dual power options: AC adapter or 4 AA batteries (not included).



Power Adaptor



Foot Pedal



Threader



Needle



Bobbin



Manual



Presser Foot

Image: The BTY N-5 Mini Portable Electric Sewing Machine showing the power adapter and foot pedal.

- **Using AC Adapter:** Insert the power adapter plug into the DC6V external socket on the side of the machine. Plug the adapter into a wall outlet.
- **Using Batteries:** Open the battery compartment on the bottom of the unit. Insert 4 AA batteries, ensuring correct polarity. Close the compartment cover.

Lightweight: 5.39 pounds



Image: Bottom view of the BTY N-5 Mini Portable Electric Sewing Machine, highlighting the battery compartment.

2.3 Connecting the Foot Pedal

If using the foot pedal for control, insert the foot pedal plug into the dedicated pedal jack on the side of the machine. The foot pedal allows for hands-free speed control during sewing.

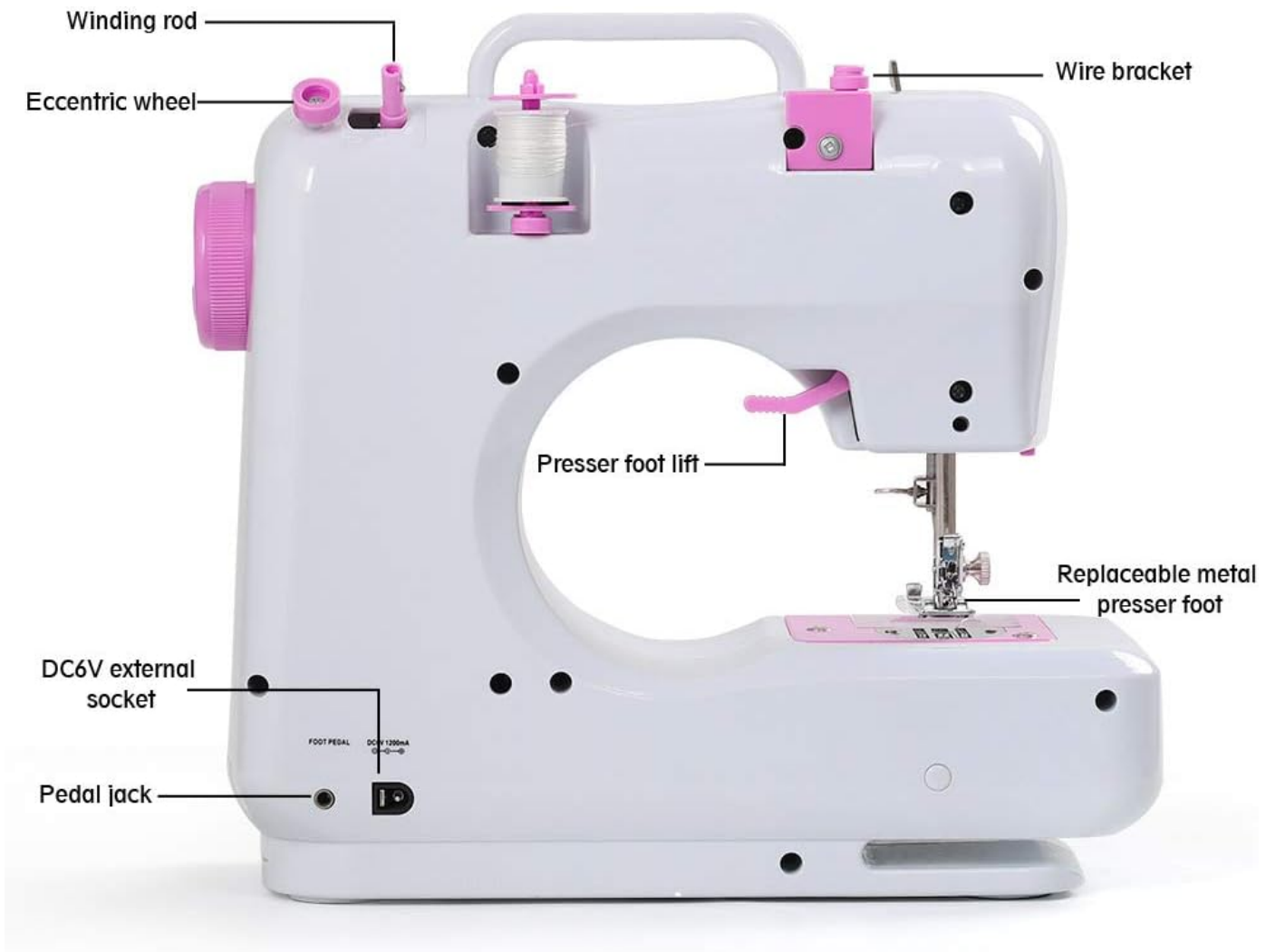


Image: Side view of the BTY N-5 Mini Portable Electric Sewing Machine, indicating the pedal jack and DC6V external socket.

2.4 Threading the Machine

Proper threading is crucial for correct stitch formation. Follow the numbered diagram on the machine or refer to the detailed manual for step-by-step instructions.



Image: A detailed diagram illustrating the correct threading path for the BTY N-5 Mini Portable Electric Sewing Machine.

1. Place the upper thread spool on the winding rod.
2. Guide the thread through the upper thread elastic adjustment knob.
3. Thread through the take-up lever.
4. Guide the thread down to the needle.
5. Use the needle threader (included accessory) to thread the needle from left to right.
6. For the bottom bobbin, slide out the bobbin cover plate.
7. Insert the bobbin, ensuring the thread unwinds counter-clockwise.
8. Pull the bobbin thread up through the needle plate using the upper thread.
9. Replace the bobbin cover plate.

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Video: Official BTY HOME video demonstrating the threading process for the Mini Sewing Machine.

3. OPERATING INSTRUCTIONS

3.1 Stitch Selection

The machine features 12 built-in stitches. To select a stitch, turn the stitch selection button (dial) on the front of the machine to the desired stitch number. Refer to the stitch guide printed on the machine for visual reference.



Image: Front view of the BTY N-5 Mini Portable Electric Sewing Machine, highlighting the stitch selection dial and various stitch patterns.

3.2 Speed Control

The machine offers two speed settings: Low (L) and High (H). Use the switch on the side of the machine to select your preferred speed. For beginners, it is recommended to start with the Low speed setting.

3.3 Reverse Stitching

To reinforce stitches at the beginning or end of a seam, press and hold the reverse button located on the front of the machine while sewing. Release the button to resume forward stitching.

3.4 Using the Extension Table

The machine includes an extension table (8" x 9.75") for larger projects. Attach it to the free arm area to provide a wider, more stable work surface.



▼ Up to 5 layers of fabric (2.5mm)



▼ Storage drawer



▼ Lock sewing



▼ Night lighting



▼ Bottom mat



▼ Pedal controller

Image: The BTY N-5 Mini Portable Electric Sewing Machine with the extension table attached, providing a larger work surface.

4. MAINTENANCE

4.1 Cleaning

Regularly clean the machine to ensure smooth operation. Use a soft brush (often included with accessories) to remove lint and dust from the bobbin area and feed dogs. Wipe the exterior with a soft, dry cloth.

4.2 Needle Replacement

If the needle becomes bent or dull, replace it immediately to prevent damage to the machine or fabric. Loosen the needle clamp screw, remove the old needle, insert a new needle with the flat side facing the back, and tighten the screw securely.

4.3 Bobbin Winding

To wind a new bobbin, place an empty bobbin on the bobbin winder spindle. Guide the thread from the spool through the tension disc and around the bobbin. Engage the bobbin winder and press the foot pedal or switch to wind the thread. Disengage when full.

5. TROUBLESHOOTING

This section addresses common issues you might encounter. For more detailed troubleshooting, refer to the comprehensive manual.

- **Machine Not Sewing:**

- Ensure the machine is properly plugged in or batteries are correctly installed.
- Check if the power switch is ON.
- Verify that the foot pedal is connected (if using).
- Confirm the machine is correctly threaded, both upper and bobbin threads.
- Ensure the hand wheel is disengaged from bobbin winding mode.

- **Skipped Stitches:**

- Check if the needle is bent or dull; replace if necessary.
- Ensure the needle is inserted correctly and fully.
- Verify that the thread tension is appropriate for your fabric.
- Use the correct needle type and size for your fabric.

- **Thread Breaking:**

- Check for correct threading path; ensure no tangles.
- Adjust upper thread tension; it might be too tight.
- Ensure the bobbin is wound evenly and not too full.
- Replace the needle if it's dull or bent.

- **Fabric Not Moving:**

- Ensure the presser foot is lowered.
 - Check if the feed dogs are engaged (if applicable).
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6. SPECIFICATIONS

Feature	Detail
Product Dimensions	10.8"W x 4.8"D x 10.2"H
Item Model Number	N-5
Item Weight	5.39 pounds (2.44 kg)

Brand	BTY
Material	Metal, Plastic
Power Source	Electric (AC Adapter) or 4x AA Batteries
Built-in Stitches	12
Speed Settings	2 (Low, High)
Features	LED lamp, Foot Pedal, Metal Threader, Thread Cutter, Locking Metal Presser Foot, Reverse Stitching, Extension Table
UPC	758277046503

7. WARRANTY AND SUPPORT

For any questions about the product, warranty information, or dissatisfaction, please contact BTY customer support. The manufacturer is committed to providing satisfactory solutions, including returns and refunds as applicable.

Refer to the detailed manual included with your sewing machine for specific warranty terms and conditions.