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› NEX Portable Sewing Machine User Manual

NEX BSM505B

NEX Portable Sewing Machine User Manual

Model: BSM505B

1. INTRODUCTION

Thank you for choosing the NEX Portable Sewing Machine. This compact and versatile sewing machine is designed for beginners, kids, and anyone looking for a convenient solution for various DIY sewing projects. With its double speeds, reverse sewing function, and 12 built-in stitches, it offers ease of use and functionality for everyday sewing needs.

Please read this manual carefully before operating the machine to ensure safe and efficient use. Keep this manual for future reference.



Figure 1.1: NEX Portable Sewing Machine (Model BSM505B)

2. IMPORTANT SAFETY INSTRUCTIONS

- **Read Instructions Carefully:** Always read the entire instruction manual before using the sewing machine to prevent improper operation and potential damage.
- **Power Source:** Use only the provided DC 6V 1200mA power adapter or 4 "AA" batteries. Do not use both the power supply and batteries simultaneously, as this can cause the machine to malfunction or be damaged.
- **Needle Position:** Before changing any stitch pattern, ensure the needle is in its highest position and clear of the base. Failure to do so may make it difficult to change stitches and could lead to needle breakage.
- **Thread Winding:** Pay close attention to the direction of the needle and the thread during bobbin winding. Incorrect winding can cause thread jamming or improper stitching.
- **Adult Supervision:** Children should only use this sewing machine under the supervision of experienced adults.
- **Keep Clear:** Keep fingers, hair, and loose clothing away from all moving parts, especially the needle, handwheel, and presser foot.
- **Unplug When Not in Use:** Always unplug the sewing machine from the power outlet when not in use, before cleaning, or when performing any maintenance.

3. PRODUCT FEATURES

The NEX Portable Sewing Machine is equipped with a variety of features to enhance your sewing experience:

- **12 Built-in Stitch Patterns:** Offers a selection of stitches for various sewing tasks, including straight stitches, zigzag stitches, and decorative patterns.
- **Double Speeds:** Choose between high and low speeds for precise control over your sewing projects.
- **Reverse Sewing Function:** Allows for reinforcing stitches at the beginning and end of seams for added durability.
- **Automatic Bobbin Rewinding:** Simplifies the process of preparing bobbins for use.
- **Built-in Sewing Light:** Illuminates the sewing area for improved visibility.
- **Thread Cutter:** Conveniently located for quick and easy thread trimming.
- **Drawer:** Integrated storage for small accessories, including a built-in measuring tape and tension adjuster.
- **Foot Pedal Control:** Provides hands-free speed control, allowing you to focus on guiding the fabric.
- **Portable Design:** Lightweight with a built-in carry handle for easy transport.
- **Versatile Fabric Handling:** Capable of sewing sleeves and handling up to 5 layers of thin denim (approx. 2.5mm thickness).



Figure 3.1: Key Features Overview



Figure 3.2: Close-up of Features (Cutting Knife, Sew Sleeves, LED Light, Drawer)

4. PACKAGE CONTENTS

Upon opening your NEX Portable Sewing Machine package, you should find the following items:

- NEX Portable Sewing Machine (Model BSM505B)
- Power Adaptor (UL authenticated)
- Foot Pedal
- Bobbins (pre-wound and empty)
- Needle Threader
- Spare Needles
- Buttonhole Presser Foot (pre-installed or included separately)



Power Adaptor



Foot Pedal



Bobbins



Threader



Needles



Presser Foot

Figure 4.1: Standard Accessories Included

5. SETUP

5.1 Power Connection

Your sewing machine can be powered by either the AC adaptor or 4 "AA" batteries (not included). Ensure only one power source is connected at a time.

1. **AC Adapter:** Insert the power cord into the DC 6V input jack on the back of the sewing machine, then plug the adapter into a wall outlet.
2. **Batteries:** Open the battery compartment on the bottom of the machine and insert 4 "AA" batteries, ensuring correct polarity. Close the compartment securely.

5.2 Threading the Machine

Proper threading is crucial for smooth operation and good stitch quality. Refer to the video below for a visual guide on threading the machine and winding the bobbin.

Your browser does not support the video tag.

Video 5.1: NEX Portable Sewing Machine Operation Guide (Threading, Winding, Stitching)

This video demonstrates how to wind the bobbin, thread the upper thread, and set up the machine for sewing. It also shows various stitching functions.

1. Winding the Bobbin:

- Place an empty bobbin onto the bobbin winder spindle.
- Place a spool of thread onto the spool pin.
- Guide the thread through the bobbin winder tension disc.
- Wrap the thread around the empty bobbin a few times, then push the bobbin winder spindle to the right.
- Turn on the machine (or press the foot pedal) to start winding. Stop when the bobbin is full.
- Cut the thread and push the spindle back to the left.

2. Installing the Bobbin:

- Open the bobbin cover plate located on the sewing bed.
- Insert the wound bobbin into the bobbin case, ensuring the thread unwinds in the correct direction (usually counter-clockwise).
- Pull the bobbin thread through the tension slot.
- Close the bobbin cover plate.

3. Threading the Upper Thread:

- Raise the presser foot lever and the needle to its highest position by turning the handwheel towards you.
- Place the thread spool on the spool pin.
- Guide the thread through the upper thread guide (1).
- Pass the thread down through the tension control disc (2).
- Guide the thread up and through the take-up lever (3).
- Thread the needle from front to back using the needle threader or manually.
- Pull about 4 inches of thread through the needle eye and under the presser foot.

4. Bringing Up the Bobbin Thread:

- Hold the upper thread lightly with your left hand.
- Turn the handwheel towards you to lower the needle completely and then raise it again. This will catch the bobbin thread.
- Pull both the upper and bobbin threads to the back, under the presser foot.

6. OPERATING INSTRUCTIONS

6.1 Getting Started

1. Place the fabric under the presser foot.
2. Lower the presser foot lever.
3. Select your desired stitch pattern by turning the stitch selection dial.
4. Choose your speed setting (L for Low, H for High) using the speed switch on the front of the machine.
5. Start sewing by either pressing the foot pedal or sliding the ON/OFF switch to the desired speed.

6.2 Key Functions

- **Stitch Selection:** Rotate the large dial on the front of the machine to select one of the 12 available stitch patterns.
- **Reverse Sewing:** To reinforce a seam, press and hold the reverse sewing button. The machine will sew backward. Release the button to resume forward sewing. Note: Reverse stitching is primarily for straight stitches.
- **Sewing Sleeves:** The free arm design allows for easy sewing of cylindrical items like sleeves and pant hems. Simply slide the accessory drawer off to reveal the free arm.
- **Sewing Multiple Layers:** The machine is capable of sewing through multiple layers of fabric, such as up to 5 layers of thin denim (approximately 2.5mm total thickness).



Sewing multilayer fabric



7. MAINTENANCE

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

- **Cleaning:**
 - Always unplug the machine before cleaning.
 - Use a soft brush or lint brush to remove lint and dust from the bobbin area and feed dogs.
 - Wipe the exterior with a soft, dry cloth. Do not use liquid cleaners.
- **Changing the Needle:**
 - Ensure the machine is off and the needle is in its highest position.
 - Loosen the needle clamp screw.
 - Remove the old needle.
 - Insert a new needle with the flat side facing the back of the machine, pushing it up as far as it will go.
 - Tighten the needle clamp screw securely.
- **Changing the Presser Foot:**
 - Ensure the machine is off and the needle is in its highest position.
 - Lift the presser foot lever.
 - Press the presser foot release button (usually located behind the presser foot holder) to detach the current presser foot.
 - Align the new presser foot with the presser foot holder and lower the presser foot lever until it snaps into place.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine does not turn on.	Incorrect power source connection (AC adapter and batteries used simultaneously).	Ensure only one power source is connected at a time. Remove batteries if using AC adapter, or unplug adapter if using batteries.
Thread jamming or skipped stitches.	Improper threading of upper thread or bobbin. Incorrect needle direction.	Re-thread the machine completely, ensuring all guides and tension discs are correctly used. Verify the needle's flat side faces the back.
Needle breakage.	Needle not installed correctly. Attempting to change stitch while needle is in fabric. Sewing overly thick material.	Ensure needle is fully inserted with flat side to the back. Always raise needle before changing stitch. Do not force machine through thick layers beyond its capacity (max 2.5mm denim).
Uneven stitches or loose tension.	Incorrect thread tension setting. Lint in tension discs.	Adjust the tension dial. Clean any lint from the tension discs.

9. SPECIFICATIONS

- **Model Number:** BSM505B
- **Brand:** NEX
- **Product Dimensions (D x W x H):** 4.8" x 10.8" x 10.2" (12.2 cm x 27.4 cm x 25.9 cm)
- **Item Weight:** 5.46 pounds (2.48 kg)
- **Stitch Formation:** Lock Stitch
- **Max. Sewing Thickness:** 2.5mm (e.g., 5 layers of thin denim)
- **Power Supply:** DC 6V 1200mA adapter or 4 "AA" batteries (not included)
- **Built-in Stitches:** 12
- **Speed Settings:** Low (L) and High (H)

Less than 6 Pounds, Portable Design



Figure 9.1: Product Dimensions

10. WARRANTY & SUPPORT

NEX provides "At Your Side" support, offering free technical assistance via email for the lifetime of your machine. For any questions, issues, or technical support, please contact NEX customer service through the email provided in your product packaging or on the official NEX website.

Please retain your proof of purchase for warranty claims.

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