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EXCELVAN FHSM-700

Excelvan FHSM-700 Mini Portable Sewing Machine User Manual

Model: FHSM-700

1. INTRODUCTION

Thank you for choosing the Excelvan FHSM-700 Mini Portable Sewing Machine. This compact and versatile sewing machine is designed for both beginners and experienced users, offering 16 pre-programmed stitch patterns and dual speed controls. Its portable design makes it ideal for various DIY projects and quick repairs. Please read this manual thoroughly before operating the machine to ensure safe and efficient use.



The Excelvan FHSM-700 Mini Portable Sewing Machine, ready for use in a creative workspace.

2. SAFETY INSTRUCTIONS

- Always unplug the machine from the power outlet when cleaning, lubricating, or when the machine is not in use.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Use only accessories recommended by the manufacturer.
- Never operate the machine if it has a damaged cord or plug, if it is not working properly, or if it has been dropped or damaged.
- Do not use outdoors or operate where aerosol (spray) products are being used or where oxygen is being administered.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your sewing machine:



Key features of the Excelvan FHSM-700 sewing machine, including thread cutter, bobbin winder, tension dial, free arm, presser foot, reverse button, and power/speed switch.

- **Thread Cutter:** For easily cutting threads after sewing.
- **Bobbin Winder Spindle:** Used for winding thread onto bobbins.
- **Upper Thread Tension Dial:** Adjusts the tension of the upper thread.
- **Built-in Free Arm:** Allows for sewing cylindrical items like sleeves and cuffs.
- **Changeable Presser Foot:** Different presser feet can be attached for various sewing tasks.
- **Reverse Button:** For reinforcing stitches at the beginning and end of seams.
- **Power Off & Speed Switch:** Controls power and selects between low (L) and high (H) sewing speeds.
- **LED Light:** Illuminates the sewing area for better visibility.

4. SETUP

4.1 Power Connection

Connect the power adapter to the DC 6V input jack on the machine and plug it into a wall outlet. Alternatively, the machine can be powered by 4 AA batteries (not included) for portable use. Ensure the machine is switched off before connecting or disconnecting power.

4.2 Winding the Bobbin

1. Place an empty bobbin onto the bobbin winder spindle.
2. Place a spool of thread on the spool pin.
3. Guide the thread through the bobbin winder tension disc.
4. Wrap the thread around the bobbin a few times, then push the bobbin winder spindle to the right.
5. Turn on the machine to start winding. Stop when the bobbin is full and push the spindle back to the left.

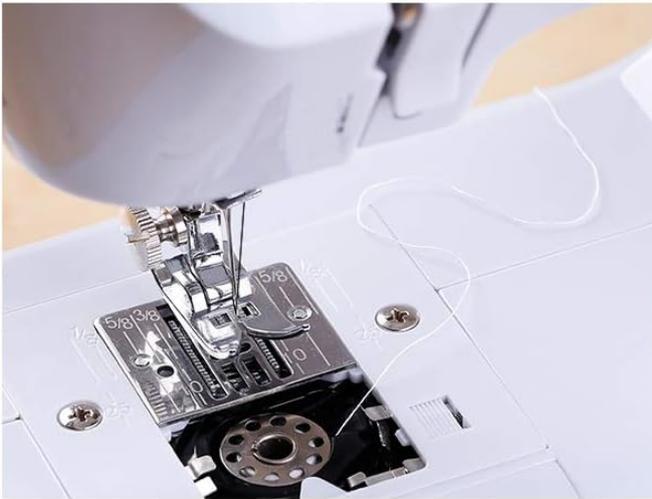


Step-by-step guide for winding the bobbin correctly before sewing.

4.3 Inserting the Bobbin and Retrieving Lower Thread

1. Open the bobbin cover and insert the wound bobbin into the bobbin holder, ensuring the thread unwinds counter-clockwise.
2. Hold the end of the upper thread and slowly turn the handwheel counter-clockwise to lower the needle.
3. Continue turning the handwheel until the needle rises, bringing up a loop of the lower thread.
4. Pull on the upper thread to draw up the lower thread loop.
5. Pull both threads (upper and lower) about 10 cm (4 inches) towards the back of the machine, under the presser foot.

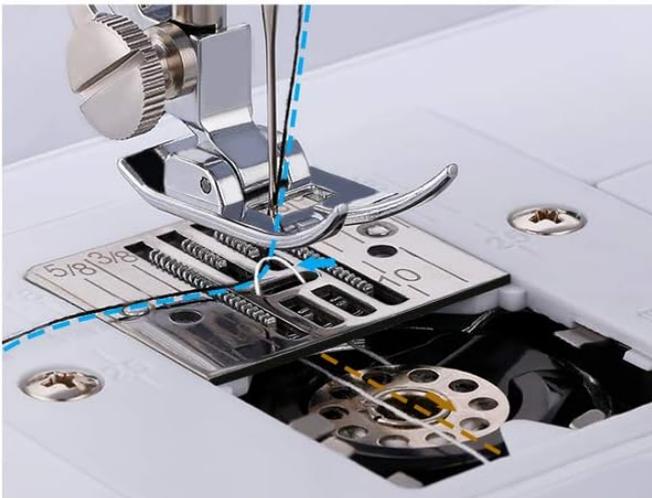
1. Put a bobbin in the holder and leave a loose end of about 10 cm.



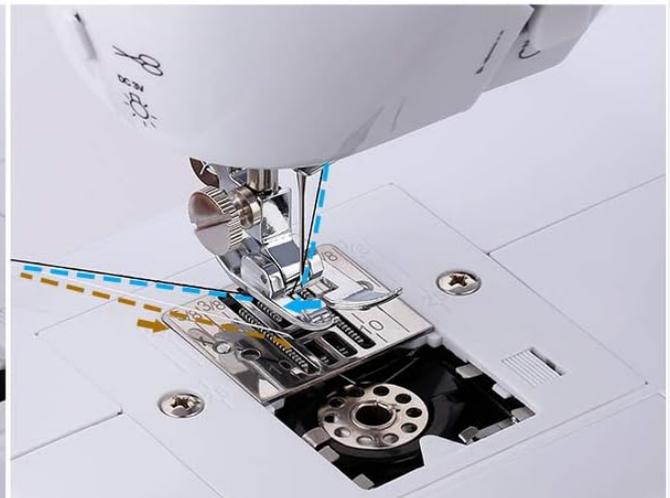
2. Hold the end of the upper thread and slowly turn the handwheel counterclockwise.



3. Pull on the upper thread to draw up the lower thread.



4. Leave about 10 cm (4 inches) of both threads and put them backward of the machine.



Visual instructions for correctly inserting the bobbin and bringing up the lower thread.

4.4 Threading the Upper Thread

1. Place a spool of thread on the spool pin.
2. Guide the thread through the first thread guide.
3. Pass the thread down through the tension assembly.
4. Bring the thread up and through the take-up lever from right to left.
5. Guide the thread down through the needle bar thread guide.

6. Finally, thread the needle from front to back.



Detailed steps for threading the upper thread correctly through the machine's guides and needle.

5. OPERATING INSTRUCTIONS

5.1 Stitch Pattern Selection

The FHSM-700 offers 16 pre-programmed stitch patterns. To select a stitch, turn the Pattern Selection Dial to the desired number. Refer to the stitch chart on the machine body for visual reference of each pattern.



Work With Thicker Materials Quite Well

—
Making it ideal for a wide range of projects

The stitch pattern selection dial and visual representation of the 16 available stitch patterns.

5.2 Adjusting Sewing Speed

Use the Power Off & Speed Switch to select your desired sewing speed: 'L' for low speed or 'H' for high speed. For beginners or intricate work, start with the low speed setting.

5.3 Reverse Sewing

To reinforce the beginning and end of a seam, press and hold the Reverse Button while sewing. Release the button to resume forward sewing.

5.4 Sewing with Different Fabrics

This machine is capable of sewing various fabric types, including thicker materials like denim, thanks to its powerful motor. Always test on a scrap piece of fabric first to ensure proper tension and stitch quality.



Thread Cutter; Light



Bobbin Winder Spin



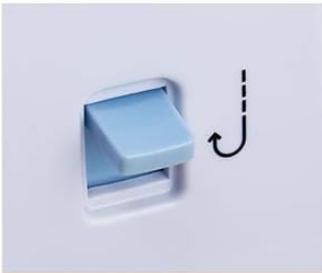
Upper Thread Tension Dial



Built-in Free Arm



Changeable Presser Foot



Reverse Button



Power Off & Speed Switch

The Excelvan FHSM-700 sewing machine effectively stitching through thicker materials, demonstrating its versatility.

6. MAINTENANCE

- **Cleaning:** Regularly clean lint and dust from the bobbin area and feed dogs using a small brush. Ensure the machine is unplugged before cleaning.
- **Needle Replacement:** Replace the needle regularly, especially if it becomes bent, dull, or if you experience skipped stitches. Always use the correct needle type and size for your fabric. To replace, loosen the needle clamp screw, remove the old needle, insert the new needle with the flat side facing the back, and tighten the screw.
- **Lubrication:** Refer to the full manual for specific lubrication points and frequency. Generally, a drop of sewing machine oil on moving metal parts can help maintain smooth operation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Machine not starting	No power, foot pedal not connected, power switch off.	Check power connection, ensure foot pedal is securely plugged in, turn power switch on.
Skipped stitches	Bent or dull needle, incorrect needle for fabric, improper threading.	Replace needle, use appropriate needle, re-thread machine carefully.
Thread breaking	Incorrect thread tension, poor quality thread, burr on needle or machine parts.	Adjust tension dial, use good quality thread, check for burrs and replace needle if necessary.
Fabric not feeding	Presser foot not lowered, feed dogs clogged with lint.	Lower the presser foot, clean the feed dog area.

8. SPECIFICATIONS



Dimensions of the sewing machine and a visual representation of the accessories included in the package.

Feature	Detail
Brand	EXCELVAN
Model Number	FHSM-700
Color	Blue
Dimensions (L x W x H)	32 x 14 x 27.5 cm (approx.)
Item Weight	3.3 kg (approx.)
Material	Plastic
Power Source	Electric Cord / Batteries (4x AA)
Stitch Patterns	16 Pre-programmed
Speed Settings	2 (Low, High)

9. WARRANTY AND SUPPORT

Warranty information for the Excelvan FHSM-700 Mini Portable Sewing Machine is not provided within this manual. For details regarding warranty coverage, technical support, or service, please refer to the documentation included with your purchase or contact Excelvan customer service directly. Please retain your proof of purchase for any warranty claims.