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## TouSuaRSi FHSM-398

# Electric Sewing Machine FHSM-398

### User Manual

Model: FHSM-398 | Brand: TouSuaRSi

## Introduction

Thank you for choosing the TouSuaRSi Electric Sewing Machine FHSM-398. This compact and portable sewing machine is designed for various sewing tasks, from clothing and pants to silk and chiffon. Its double-thread design ensures strong stitching, and features like LED lighting and adjustable speed make it user-friendly for both beginners and experienced sewers.




Figure 1: Front view of the FHSM-398 Electric Sewing Machine.

## Product Components

Familiarize yourself with the main components of your sewing machine:




Figure 2: Key components of the FHSM-398 sewing machine, including the hand wheel, pattern selector dial, LED light, power switch, speed control, reverse lever, thread take-up lever, thread tension dial, thread cutter, needle clamp, needle, and presser foot.

- **Hand Wheel:** Manually controls needle movement.
- **Pattern Selector Dial:** Adjusts stitch type (straight, curve, etc.).
- **LED Light:** Illuminates the sewing area.
- **Power On/Off & Speed Control Switch:** Turns the machine on/off and selects high/low speed.
- **Reverse Lever:** Engages reverse sewing.
- **Thread Take-up Lever:** Guides the upper thread.
- **Thread Tension Dial:** Adjusts the tension of the upper thread.
- **Thread Cutter:** For conveniently cutting threads.
- **Needle Clamp & Screw:** Secures the needle in place.
- **Needle:** Pierces the fabric.
- **Presser Foot:** Holds the fabric firmly against the feed dogs.

## Setup

### 1. Unpacking and Placement

Carefully remove the sewing machine from its packaging. Place it on a stable, flat surface with adequate lighting. Ensure there is enough space around the machine for comfortable operation.

### 2. Power Connection

The FHSM-398 can be powered via an adapter or a foot pedal. Connect the power adapter to the DC 6V 1000mA port

on the back of the machine and plug it into a suitable power outlet. For foot pedal control, connect the foot pedal to its designated port.




Figure 3: Rear view of the sewing machine, highlighting the power input and foot pedal connection.

## 3. Bobbin Winding

To wind the bobbin, place an empty bobbin onto the bobbin winder spindle. Guide the thread from the spool pin through the tension disc and around the bobbin. Engage the bobbin winder and press the foot pedal or power button to start winding. Stop when the bobbin is full.




Figure 4: Detail of the bobbin winding mechanism and tension dial.

## 4. Threading the Machine

Proper threading is crucial for good stitch quality. Follow the numbered guides on the machine for the upper thread. Ensure the thread passes through the thread take-up lever and the needle eye. Insert the wound bobbin into the bobbin case beneath the needle plate.



Figure 5: The needle and presser foot area, showing the threaded needle ready for sewing.

## Operating Instructions

### 1. Basic Sewing

Place the fabric under the presser foot. Lower the presser foot lever. Turn the hand wheel towards you to bring the needle down into the fabric and then up again, pulling the bobbin thread through. Hold both threads to the back. Select your desired speed (high/low) using the speed control switch, or use the foot pedal for variable speed control. Press the power button or foot pedal to begin sewing.

### 2. Stitch Selection and Density

Rotate the **Pattern Selector Dial** to choose from five types of stitching, including straight lines and curves. The**Thread Tension Dial** allows you to adjust the density of the surface stitching. Experiment on a scrap piece of fabric to find the optimal setting for your material.

### 3. Reverse Sewing

To reinforce stitches at the beginning or end of a seam, press and hold the **Reverse Lever** while sewing. The machine will sew backward. Release the lever to resume forward sewing.

### 4. LED Lighting

The machine is equipped with an LED light to illuminate your sewing area. Use the **LED Light Control Switch** to turn the light on or off, especially useful in dim environments.

## Maintenance

### 1. Cleaning

Regularly clean your sewing machine to ensure smooth operation. Use a soft brush to remove lint and dust from the bobbin area and around the feed dogs. Wipe the exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.

### 2. Needle Replacement

Replace the needle regularly, especially if it becomes bent, dull, or if you are experiencing skipped stitches. Loosen the needle clamp screw, remove the old needle, insert the new needle with the flat side facing the back, and tighten the screw securely.

### 3. Presser Foot Replacement

The presser foot can be replaced to accommodate different sewing tasks (e.g., buttonholes, zippers). Consult specialized guides for specific presser foot attachment instructions.

## Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Machine not starting | Power not connected; Power switch off; Foot pedal not connected/faulty. | Ensure adapter is securely plugged in; Turn on power switch; Check foot pedal connection. |
| Skipped stitches | Improper threading; Bent or dull needle; Incorrect needle size for fabric. | Re-thread the machine carefully; Replace the needle; Use appropriate needle for fabric type. |
| Thread breaking | Too much thread tension; Poor quality thread; Improper threading; Burrs on needle plate. | Adjust thread tension dial; Use good quality thread; Re-thread; Inspect and clean needle plate. |
| Uneven stitches | Incorrect thread tension; Improper bobbin winding. | Adjust thread tension; Re-wind bobbin evenly. |

## Specifications

| Feature | Detail |
|---|---|
| Brand | TouSuaRSi |
| Model | FHSM-398 |
| Color | Black |
| Product Dimensions (L x W x H) | 10.43" x 5.11" x 8.85" (26.5 cm x 13 cm x 22.5 cm) |
| Weight | 2.8 pounds (approx. 1.27 kg) |
| Stitch Types | 5 (including straight and curve) |

| Feature | Detail |
|---|---|
| Sewing Mechanism | Double-thread design |
| Lighting | Built-in LED light |
| Speed Control | Two-speed adjustment (high/low) and foot pedal control |
| Sewing Direction | Two-way (straight and reverse) |




Figure 6: Dimensions of the FHSM-398 Electric Sewing Machine.


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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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### Answered questions about this manual

**What needle size is used for the TouSuaRSi FHSM-398 sewing machine?**

The manual for the TouSuaRSi FHSM-398 does not specify a single fixed needle size, as the needle should be chosen based on the fabric type you are sewing. However, it provides the following guidance...

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