

Poolin Eom-15

Poolin EOM 15 Needles Embroidery Machine User Manual

Model: Eom-15

1. INTRODUCTION

The Poolin EOM 15 Needles Embroidery Machine is designed for high-efficiency, multi-color embroidery on various materials, including hats, caps, patches, and garments. Featuring a 9-inch touchscreen interface and Institch OS4 computer system, it offers user-friendly operation for both beginners and experienced users. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance of your embroidery machine.

2. SAFETY INFORMATION

- Always disconnect the power supply before cleaning, servicing, or when the machine is not in use.
- Keep hands and loose clothing away from moving parts, especially needles and the embroidery head, during operation.
- Ensure the machine is placed on a stable, level surface to prevent tipping.
- Do not operate the machine in damp or wet conditions.
- Use only recommended accessories and parts to avoid damage and ensure safe operation.
- Keep children and pets away from the machine during operation.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, contact customer support.



Image: The Poolin EOM 15 Needles Embroidery Machine with various accessories laid out, including hoops, cap attachments, power adapter, toolkit, bobbins, and embroidery thread.

- Poolin EOM 15 Needles Embroidery Machine
- Power Adapter
- 5 Standard Embroidery Hoops (14"x7.9", 12"x7.9", 7"x5", 4"x4", 2.4"x1.6")
- 1 Cap Station
- 2 Cap Hoops
- 1 Cap Driver
- Table Support
- Toolkit
- Prewound Bobbins
- Cut Away Stabilizer
- Embroidery Thread (starter set)

- USB Cable

15 Needles = Multi-Color Efficiency Time Saved: 70%



Image: A detailed view of the included embroidery hoops (various sizes), cap station, cap hoops, cap driver, table support, power adapter, toolkit, prewound bobbins, cut away stabilizer, and embroidery thread.

4. SETUP

4.1 Machine Placement

Place the embroidery machine on a sturdy, level surface capable of supporting its weight (approximately 165 pounds). Ensure adequate space around the machine for operation and maintenance.

4.2 Power Connection

1. Connect the power adapter to the machine's power input port.
2. Plug the power adapter into a grounded electrical outlet.
3. Turn on the main power switch, usually located at the back or side of the machine.

4.3 Threading the Machine

The Poolin EOM features 15 needles, allowing for multi-color designs without frequent thread changes. Refer to the on-screen instructions or the detailed threading guide in the supplementary documentation for proper thread path for each needle.



Image: A close-up view of the 15 needles and thread guides on the Poolin EOM machine, highlighting its multi-color capability.

4.4 Attaching Hoops

Select the appropriate hoop size for your design and material. Securely attach the hoop to the embroidery arm. For cap embroidery, use the provided cap station and hoops.

4.5 Connectivity (Wi-Fi/USB)

The machine supports design transfer via Wi-Fi or USB. Connect to your local Wi-Fi network through the touchscreen interface or insert a USB drive containing your DST/DSB format designs into the designated port.

5. OPERATING INSTRUCTIONS

5.1 Using the 9-inch Touchscreen Interface

The 9-inch touchscreen provides intuitive control over the machine. Navigate through menus to select designs, adjust settings, and monitor embroidery progress.

No Extra Purchase Needed Start Embroidering Instantly

■ Hoop/14*7.9" ■ Hoop/12*7.9" ■ Hoop/7*5" ■ Hoop/4*4" ■ Hoop/2.4*1.6"

■ Cap Station ■ Cap Hoop*2 ■ Cap Driver ■ Table Support ■ Power Adapter

■ Toolkit ■ Prewound Bobbins ■ Cut Away Stabilizer ■ Embroidery Thread

Image: The 9-inch touchscreen of the Poolin EOM, showing options for pattern selection, configuration, and embroidery start.

5.2 Design Selection and Editing

1. From the main menu, select 'Pattern' to browse designs from USB, built-in patterns, or Wi-Fi.
2. Choose your desired DST or DSB format design.
3. Use the 'Config' menu to adjust design size, rotation, position, and color sequence. The Institch OS4 system allows for easy editing.

Institch OS4

Smart control ,laser-accurate positioning

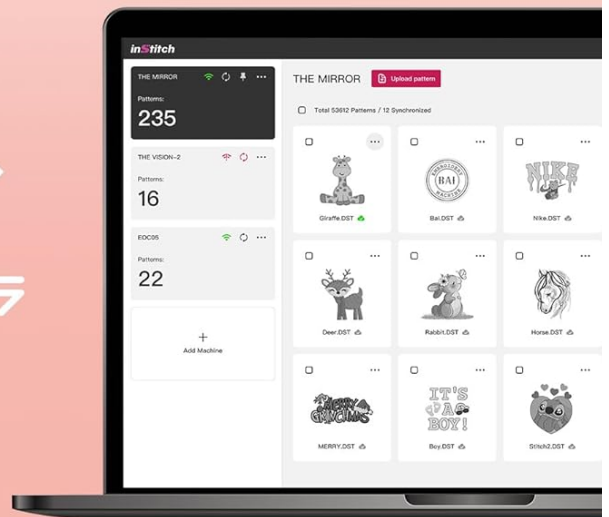
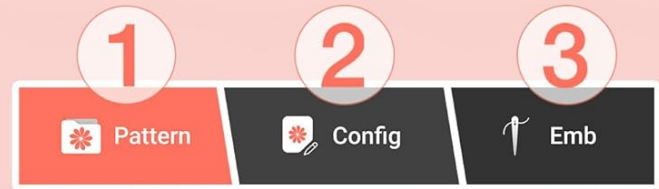
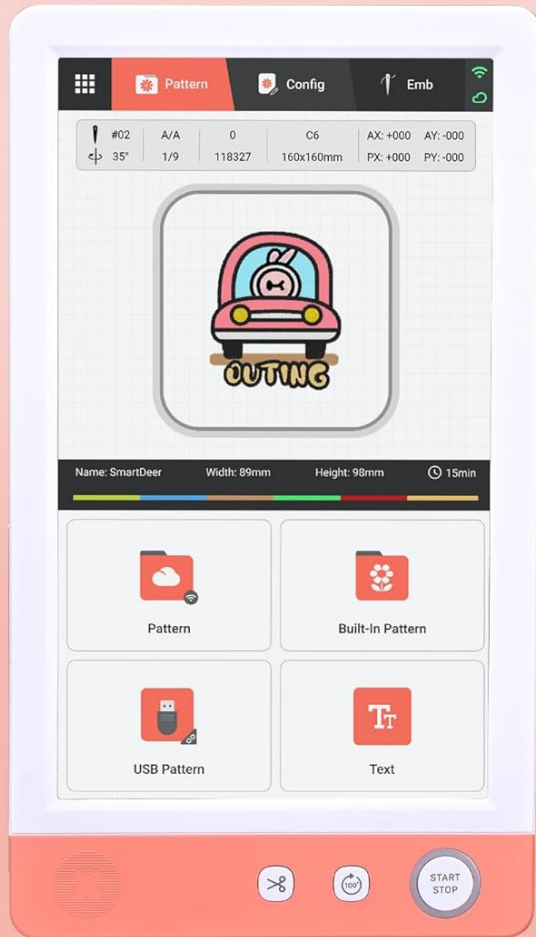


Image: The Institch OS4 interface on the machine's touchscreen, demonstrating design transfer via Wi-Fi and USB, and pattern editing capabilities.

5.3 Starting Embroidery (3-Step Process)

1. **Select Design:** Choose your pattern from the touchscreen.
2. **Set Hoop:** Ensure your material is properly hooped and attached to the machine.
3. **Start Stitching:** Press the 'Start' button on the touchscreen to begin the embroidery process. The machine features automatic color change and thread break detection for seamless operation.

5.4 Large Embroidery Area

The Poolin EOM supports a maximum embroidery area of 14.2" x 9.5" (360mm x 240mm), accommodating large designs for items like jackets, hoodies, and tote bags. Custom and third-party hoops are also supported.

5.5 Cap Embroidery

Utilize the included cap station and hoops for professional cap embroidery. Follow the specific instructions for attaching and

hooping caps to ensure proper alignment and stitching.

Professional Flat & 3D Hat/Cap Embroidery



Image: A close-up of the embroidery machine actively stitching a design onto a cap, demonstrating its cap embroidery capability.

6. MAINTENANCE

6.1 Cleaning

- Regularly clean lint and dust from the bobbin area, needle plate, and tension discs using a soft brush or vacuum.
- Wipe the machine's exterior with a soft, dry cloth. Avoid using harsh chemicals.

6.2 Lubrication

Periodically apply a small amount of sewing machine oil to designated lubrication points as indicated in the detailed maintenance guide (refer to supplementary documentation). Over-oiling can cause issues.

6.3 Thread Path Inspection

Before each use, inspect the thread paths for any obstructions, frayed threads, or incorrect threading that could lead to stitching problems.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, refer to the comprehensive troubleshooting guide or contact customer support.

Problem	Possible Cause	Solution
Thread breaks frequently	Incorrect threading, tension issues, dull needle, poor quality thread	Re-thread the machine, adjust tension, replace needle, use high-quality thread
Skipped stitches	Incorrect needle, bent needle, improper hooping, fabric too thick	Use correct needle type/size, replace bent needle, re-hoop fabric tightly, use appropriate stabilizer
Machine not starting	Power not connected, safety sensor triggered, emergency stop engaged	Check power connection, ensure all covers are closed, disengage emergency stop button
Poor stitch quality	Incorrect tension, wrong stabilizer, dirty machine parts	Adjust thread tension, use suitable stabilizer for fabric, clean machine thoroughly

8. SPECIFICATIONS

- **Model Number:** Eom-15
- **Needle Count:** 15
- **Maximum Embroidery Area:** 14.2" x 9.5" (360mm x 240mm)
- **Dimensions (Product):** 24"D x 28.3"W x 59"H (61cm D x 71.9cm W x 150cm H)
- **Item Weight:** 165 pounds (75 kg)
- **Operating System:** Institch OS4
- **Connectivity:** Wi-Fi, USB
- **Supported Formats:** DST, DSB
- **Continuous Operation:** 24+ Hours
- **Color:** White

EOM Parameters



Image: A visual representation of the Poolin EOM machine with key dimensions and weight specifications labeled.

9. WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty claims, please contact Poolin customer support. You can also find valuable resources and community support through the following channels:

- **Facebook Group:** Search for "Poolin Embroidery Machine Groups" to join our community and receive free one-to-one after-sales service from engineers.
- **YouTube Channel:** Follow the official "Poolin" YouTube channel for teaching videos and real usage feedback.

Service Support



Poolin Embroidery Machine

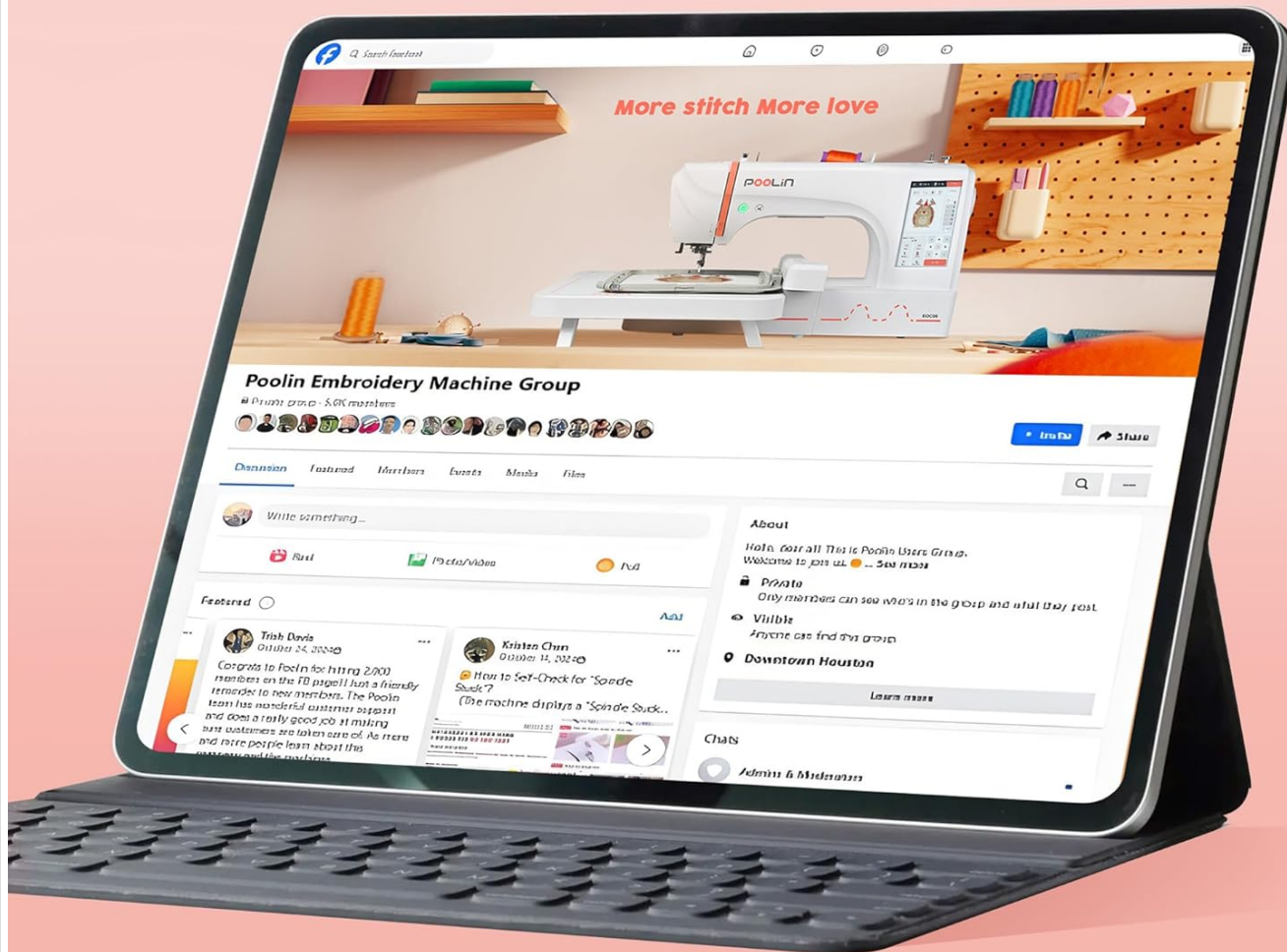


Image: A screenshot of the 'Poolin Embroidery Machine Group' on Facebook, indicating community support and resources available to users.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

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

Submit question

Answered questions about this manual

How do I prevent the cap attachment on my Poolin EOM-15 from turning sideways when starting embroidery?

The issue you are describing usually occurs when the machine's software (Institch OS4) is set to a standard flat hoop mode instead of Cap Mode, or if the design rotation has not been adjusted...

[Read full answer](#)