

[Manuals.plus](#) /

› [MEDION](#) /

› MEDION MD 14302 Overlock Sewing Machine Instruction Manual

MEDION MD14302

MEDION MD 14302 Overlock Sewing Machine Instruction Manual

Model: MD14302

1. INTRODUCTION

The MEDION MD 14302 overlock sewing machine is designed to complement your sewing projects, offering versatile functions such as assembling thin to medium-thickness fabrics, overcasting seams, and sewing with two needles. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new overlock machine.

2. SAFETY INSTRUCTIONS

WARNING: This appliance is intended for adult use only.

- Always unplug the machine from the power outlet immediately after use and before cleaning, oiling, or making any user servicing adjustments.
- Do not operate the machine with a damaged cord or plug. If the machine is not working properly, has been dropped or damaged, or dropped into water, return it to the nearest authorized service dealer for examination, repair, electrical or mechanical adjustment.
- Never operate the machine with any air openings blocked. Keep ventilation openings of the sewing machine and foot controller free from the accumulation of lint, dust, and loose cloth.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Always use the correct needle plate. The wrong plate can cause the needle to break.
- Do not pull or push fabric while stitching. This may deflect the needle causing it to break.
- Use only accessories recommended by the manufacturer as contained in this manual.
- This machine 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. PACKAGE CONTENTS

Carefully unpack your MEDION MD 14302 overlock machine and verify that all items are present. If any items are missing or damaged, please contact customer support.

- MEDION MD 14302 Overlock Sewing Machine
- Power cord with foot pedal
- Pincette (Tweezers)
- Spare upper knife
- Mini oiler (without oil)
- Cover
- Brush
- Needles (2 x n°11, 2 x n°14)
- Screwdriver
- 4x Spool holders
- Allen key



Figure 1: Included accessories for the MEDION MD 14302.

4. SETUP

4.1 Machine Placement

Place the overlock machine on a stable, flat surface with adequate lighting. Ensure there is enough space around the machine for fabric handling.



Figure 2: MEDION MD 14302 dimensions (32cm W x 28cm D x 32cm H).

4.2 Power Connection

Connect the foot pedal to the machine and then plug the power cord into a standard 230V~50Hz electrical outlet. Ensure the machine's power switch is in the OFF position before plugging it in.

4.3 Threading the Machine

The MD 14302 uses 4 threads. Proper threading is crucial for correct stitch formation. Refer to the color-coded threading guides on the machine for assistance. It is recommended to follow the threading path precisely, starting with the lower looper, then the upper looper, and finally the needles.

1. Raise the presser foot and open the front cover.
2. Place the thread spools onto the spool holders.

3. Extend the telescopic thread guide to its highest position.
4. Follow the numbered and color-coded threading path for each thread. Use the pincette for easier access to tight areas.
5. Ensure threads are seated correctly in all tension discs and guides.

4.4 Needle Installation

The machine uses #14 - 130/705H type needles. Always ensure the flat side of the needle faces the back of the machine when inserting.

1. Turn the handwheel towards you to raise the needles to their highest position.
2. Loosen the needle clamp screw with the screwdriver.
3. Insert the new needle(s) as far up as it will go, with the flat side facing the back.
4. Tighten the needle clamp screw securely.

5. OPERATING INSTRUCTIONS

5.1 Basic Sewing

1. Turn on the power switch. The 15-watt bulb (E14) will illuminate the sewing area.
2. Raise the presser foot lever.
3. Place the fabric under the presser foot, aligning the edge with the cutting knife if overcasting.
4. Lower the presser foot.
5. Gently press the foot pedal to start sewing. The machine operates at a speed of up to 1000 stitches per minute.
6. Guide the fabric smoothly without forcing it.
7. To stop, release the foot pedal. Raise the presser foot and pull the fabric away, cutting the thread chain.

5.2 Adjusting Differential Feed

The adjustable differential feed allows you to control the feeding of fabric, preventing stretching on knits or puckering on fine fabrics. Adjust the differential feed dial according to your fabric type and desired effect.

5.3 Adjusting Thread Tension

The MD 14302 features adjustable thread tension for each of its 4 threads. Correct tension ensures balanced stitches. Adjust the tension dials as needed to achieve a smooth, even seam. Refer to test fabric samples to fine-tune settings.

5.4 Adjusting Stitch Length and Width

The stitch length can be adjusted from 1 to 5 mm. The stitch width is 7 mm with 4 threads, or 4 or 7 mm with 3 threads. Use the appropriate dials to set these parameters based on your project requirements.

5.5 Using the Cutting Knife

The integrated cutting knife trims the fabric edge just before the stitches are formed, creating a clean, professional finish. Ensure the knife is engaged when overcasting. The cutting width can be set to 4 or 7 mm.

6. MAINTENANCE

6.1 Cleaning

Regular cleaning prevents lint and dust buildup, which can affect machine performance. Always unplug the machine before cleaning.

- Use the provided brush to remove lint from the looper area, under the needle plate, and around the feed dogs.
- Wipe the exterior of the machine with a soft, dry cloth.

6.2 Oiling

Apply a small drop of sewing machine oil (not included in the mini oiler) to designated oiling points as indicated in the full user manual (if available) or by a qualified technician. Do not over-oil.

6.3 Changing the Upper Knife

The upper knife may become dull over time. Use the Allen key to replace the upper knife with the spare provided in the accessories kit. Ensure the new knife is securely fastened and correctly positioned.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Skipped stitches	Incorrect needle, bent needle, improper threading, incorrect tension.	Replace needle, re-thread machine, adjust tension.
Thread breakage	Incorrect threading, too much tension, poor quality thread, burrs on thread path.	Re-thread, reduce tension, use quality thread, check for rough spots.
Uneven seams / Puckering	Incorrect differential feed setting, incorrect tension.	Adjust differential feed, adjust tension.
Machine not starting	Not plugged in, power switch off, foot pedal not connected.	Check power connections, ensure switch is ON.

8. SPECIFICATIONS

Feature	Detail
Brand	MEDION
Model Number	MD14302
Power	90 Watt
Sewing Speed	1000 stitches per minute
Lighting	15 Watt bulb (E14)
Needle Type	#14 - 130/705H
Number of Threads	4 Threads
Number of Needles	2 Needles
Differential Feed	Adjustable
Thread Tension	Adjustable

Feature	Detail
Cutting Width	4 or 7 mm
Stitch Length	1 to 5 mm
Stitch Width	7 mm (4 threads), 4 or 7 mm (3 threads)
Power Supply	230V~50Hz
Dimensions (P x L x H)	32 x 28 x 32 cm
Weight	9 Kilograms
Material	Plastic casing, metal mechanics

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Your MEDION MD 14302 Overlock Sewing Machine comes with a **24-month warranty** from the date of purchase. Please retain your proof of purchase for any warranty claims. The warranty covers manufacturing defects under normal use conditions.

9.2 Customer Support

For technical assistance, spare parts, or warranty service, please contact MEDION customer support. Refer to the contact information provided with your product packaging or visit the official MEDION website for support details.

© 2023 MEDION. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B010FMHLUO>

More documents and user manuals: <https://manuals.plus/>