

meross MTS300

meross Smart Thermostat User Manual

Model: MTS300

Brand: meross

INTRODUCTION

The meross Smart Thermostat (MTS300) is designed to provide intelligent and efficient control over your home's heating and cooling system. This device integrates with various smart home platforms, including Matter, Apple Home, Amazon Alexa, and Google Assistant, offering convenient app and voice control. It features flexible scheduling, energy usage tracking, and smart alerts to help optimize comfort and energy savings.



Image: The meross Smart Thermostat (MTS300) displayed alongside its mobile application interface, demonstrating the integrated control capabilities.

COMPATIBILITY AND PRE-INSTALLATION CHECKLIST

Before installing your meross Smart Thermostat, it is crucial to verify your HVAC system's compatibility and ensure a C-wire (common wire) is available or accounted for. The thermostat is compatible with 95% of HVAC systems, including conventional heating and cooling, heating/cooling only, and heat pumps. It is **not** suitable for electric baseboard heaters.

- Confirm your HVAC system type.
- Verify the presence of a C-wire. If not present, a meross C-wire adapter (sold separately) is required.
- Ensure your Wi-Fi network is 2.4GHz, as the thermostat only supports this frequency.

For detailed compatibility information, please visit the official meross compatibility checker:

[Check Compatibility Here](#)



Breaking Platform Barriers with Matter

Matter enables multi-platforms control for device, turning on smart thermostat via Alexa and off via Apple Home.



***Due to the limited controls offered by Matter, Meross app is required for initial setup to configure your HVAC system settings.**

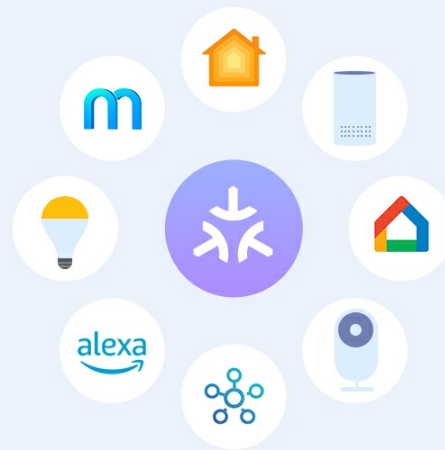


Image: A table detailing the compatibility of the meross Smart Thermostat with various 24V HVAC systems, indicating wire requirements and C-wire necessity.

Works with Smart Sensor

Maintain the temperature of a specific room with the help of Meross Smart Sensors (sold separately).

Supported Meross Smart Sensors models:MS130

Image: The meross C-wire adapter, a component used to provide power to the thermostat in systems lacking a dedicated C-wire.

What's INCLUDED

The meross Smart Thermostat package includes the following components:

- Smart Wi-Fi Thermostat x 1
- Backplate x 1
- Trim Plate x 1
- Screws and Anchors x 3
- Wiring Sticker x 1
- User Manual x 1 (this document)

Meross Smart Thermostat

Ultimate comfort,
maximum savings.



Image: An exploded view showing all components included in the meross Smart Thermostat package, such as the thermostat unit, backplate, trim plate, screws, anchors, wiring sticker, and user manual.

SETUP AND INSTALLATION

Physical Installation (DIY)

The meross Smart Thermostat is designed for easy DIY installation, typically taking less than 30 minutes. Follow the detailed instructions provided in the included user manual (physical copy) for wiring and mounting. Ensure power to your HVAC system is turned off before beginning installation.

Meross App Setup

After physical installation, download the Meross app from your device's app store. The app will guide you through the setup wizard to connect your thermostat to your 2.4GHz Wi-Fi network and configure your HVAC system settings. This initial setup via the Meross app is required for full functionality, even if you plan to use other smart home platforms.

Smart Home Integration (Matter)

The thermostat supports Matter technology, allowing seamless integration with platforms like Apple Home, Amazon Alexa, Google Home, and Samsung SmartThings. Once set up in the Meross app, you can add the thermostat to your preferred smart home ecosystem for unified control. Matter-certified devices also enable smooth local area network (LAN) control, even if your internet connection is temporarily offline.

OPERATING THE THERMOSTAT

Manual Control

The thermostat features a minimalist design with a sleek glass panel. You can adjust the temperature directly by touching the up and down arrows on the device. The digital display shows the current temperature and settings.

I Voice Control

Thanks to Matter technology, it's easy to adjust the temperature by voice via different platforms.

Alexa, set the temperature to 72°F.

Hey Siri, set the temperature to 72°F.

Hey Google, set the temperature to 72°F.



Image: A user interacting directly with the meross Smart Thermostat's touch interface to adjust settings.

App Control

The Meross app provides comprehensive control over your thermostat from anywhere, at any time. You can monitor the current temperature, change settings, and access advanced features remotely via your smartphone or tablet.

I Remote Control

Easily control your home thermostat at anywhere.



Image: A person using the meross mobile application to remotely control their thermostat while away from home.

Voice Control

Leveraging Matter technology, the thermostat can be controlled using voice commands through compatible smart assistants such as Amazon Alexa, Apple Home (Siri), and Google Assistant. Simply use commands like "Alexa, set the temperature to 72°F" or "Hey Google, set the temperature to 72°F."

I Before Your Purchase



Confirm whether your HVAC system is compatible



Confirm whether a C-wire adapter is needed



**Scan the QR Code
to confirm compatibility**



Image: Various smart speakers (Amazon Echo, Apple HomePod Mini, Google Nest Mini) illustrating the voice control capabilities of the meross Smart Thermostat through different platforms.

Smart Scheduling

Create flexible 7x24 hour schedules to automate your heating and cooling routine. The thermostat will automatically follow the programmed schedule, even if your Wi-Fi connection is temporarily lost, ensuring consistent comfort and energy efficiency.

I Flexible Schedule Plans

The image shows a man sitting in a modern armchair, holding a cup and using a laptop. On the wall is a Meross Smart Thermostat. A smartphone overlay displays the 'Schedule' screen of the Meross app. The app interface includes a toggle for 'Preheat/precool', a note to 'Adjust to scheduled temperature in advance', and a weekly schedule table for Monday. The table lists five time slots with corresponding heating (red) and cooling (blue) temperature targets. At the bottom of the app screen are 'Add' and 'Copy schedule to another day' buttons.

Start time	Heating (°F)	Cooling (°F)
00:00	68°F	78°F
06:30	72°F	76°F
08:00	60°F	82°F
18:00	72°F	76°F
22:00	68°F	78°F

7X24h schedule preheat/precool

Image: A user setting up a flexible schedule for the meross Smart Thermostat using the mobile application, showing options for daily temperature adjustments.

Energy Usage Tracking

The Meross app allows you to track your heating and cooling usage over time. This feature helps you monitor energy consumption, identify patterns, and make informed decisions to conserve resources and save on energy bills.

I Track your Heating&Cooling

Track your heating and cooling usage with the Meross app to conserve resources and save money.



Image: The meross app's usage dashboard, illustrating how users can track their heating and cooling consumption over various periods to manage energy usage.

Smart Sensor Integration (Optional)

For enhanced temperature control in specific rooms, the thermostat can work with Meross Smart Sensors (sold separately), such as the MS130. This allows the thermostat to maintain the desired temperature based on readings from the sensor in that particular area.

I Works With Smart Sensor

Maintain the temperature of a specific room with the help of Meross Smart Sensors (sold separately).



* Supported Meross Smart Sensors models:
MS130 with Meross Smart HUB.

Image: A meross Smart Thermostat integrated with a meross Smart Sensor (MS130) in a bedroom, demonstrating its ability to maintain a specific room's temperature.

MAINTENANCE

Air Filter Alerts

The meross Smart Thermostat provides smart alerts, including notifications for air filter life. This helps you stay

informed about when to replace your HVAC system's air filter, ensuring optimal system performance and air quality.

Regularly check the thermostat for dust accumulation and gently wipe it with a soft, dry cloth. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

If you encounter issues with your meross Smart Thermostat, consider the following common troubleshooting steps:

- **No Power/Display Off:** Ensure the C-wire is correctly connected and providing power. Verify that the circuit breaker for your HVAC system is on.
- **Cannot Connect to Wi-Fi:** Confirm your Wi-Fi network is 2.4GHz. Ensure the thermostat is within range of your Wi-Fi router. Try restarting your router and the thermostat.
- **Incorrect Temperature Readings:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources that could affect its temperature sensor. If using a smart sensor, ensure it is placed appropriately.
- **App Control Issues:** Ensure your Meross app is updated to the latest version. Check your internet connection.
- **Voice Control Not Working:** Verify that the thermostat is correctly linked to your smart assistant (Alexa, Google Assistant, Apple Home) and that your smart speaker is online.

For more detailed troubleshooting guides and support, please refer to the comprehensive user manual PDF available online or contact meross customer support.

SPECIFICATIONS

Feature	Detail
Brand	meross
Model Name	MTS300
Product Dimensions	0.9"D x 3.6"W x 3.6"H
Controller Type	Amazon Alexa, Apple HomeKit, Google Assistant, Hand Control, SmartThings
Special Feature	Dimmable, Lockable, Low Voltage, Programmable, Temperature Display
Color	Black
Specific Uses For Product	Air Conditioner, Boiler, Dehumidifier, Furnace, Heat Pump
Temperature Control Type	Heating and Cooling
Connectivity Technology	Wi-Fi
Included Components	Backplate x1, Screws and Anchors x 3, Smart Wi-Fi Thermostat x 1, User Manual x1, Trim Plate x1, Wiring Sticker x1

Feature	Detail
Voltage	24 Volts
Material	Plastic
Shape	Square
Control Method	Voice
Connectivity Protocol	Matter, Wi-Fi
Mounting Type	Wall Mount
Item Weight	8.8 ounces

WARRANTY AND SUPPORT

Warranty Coverage

The meross Smart Thermostat comes with a **2-Year Warranty**, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or warranty inquiries, please contact the meross Professional Expert Assistance Team:

Phone: 855-516-5861

Hours: 10:30 AM - 7:30 PM (EST), Mon-Wed, Fri-Sat

Email: support@meross.com


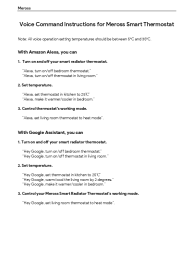




Image: Visual representation of meross customer support contact details, including phone number and email address.

© 2025 meross. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents

	<p>Meross Smart Plug Quick Start Guide - Setup, Safety, and Warranty</p> <p>This guide provides instructions for setting up your Meross smart plug using the Meross app, covering installation, safety information, warranty, support, and compliance details.</p>
	<p>Meross Smart Thermostat Voice Command Instructions</p> <p>A guide to using voice commands with Meross Smart Thermostats via Amazon Alexa and Google Assistant, covering turning the device on/off, setting temperatures, and controlling working modes.</p>
	<p>Meross MSS315(EU) Matter Smart Wi-Fi Plug with Energy Monitor</p> <p>Discover the Meross MSS315(EU), a Matter-compatible smart Wi-Fi plug with energy monitoring capabilities. This media kit highlights its features, easy setup, voice/remote/local control, scheduling, and product specifications, along with media coverage and comparisons to other Meross models.</p>
	<p>Meross MSG100 Smart Garage Door Opener Voice Commands Guide</p> <p>Learn how to control your Meross MSG100 Smart Garage Door Opener using voice commands with Amazon Alexa and Google Assistant. Includes setup tips and command examples.</p>