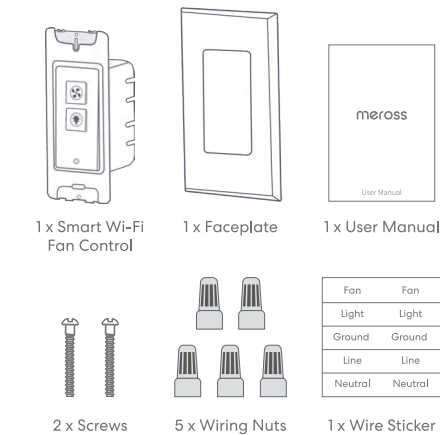


■ Package Contents



Tools you'll need

Standard and Philips screwdriver, Lineman's pliers, a wire stripper and a voltage detector.

■ Installation Guide

Before we get started.

- If you're not experienced in this area, please seek advice from a qualified electrician.
- **Neutral wire** (white wire) is required.
- Only supports 2.4GHz WiFi networks.

1. Hardware installation.

NOTE:

You can also refer to the step-by-step instructions in the Meross app for further guidance.

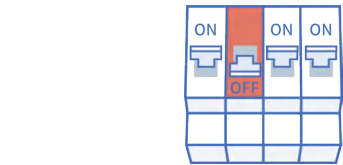
A - Set the fan speed

Set the fan to the **highest speed**.

B - Turn power off

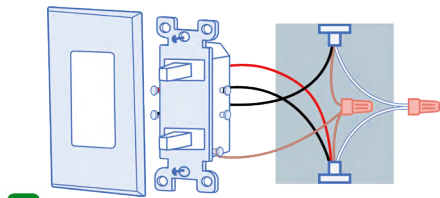
Ensure strong 2.4GHz Wi-Fi coverage near your fan switch. For safety, switch off the circuit breaker controlling your fan speed switch.

Caution: Risk of electric shock. Always switch off power before installation to prevent injury or death.



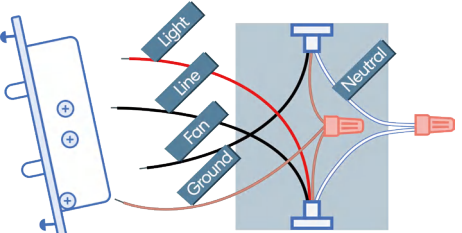
C - Remove the existing switch

Remove the plastic faceplate and existing switch. Use a voltage detector to make sure the wires are inactive.



D - Wire identification

Locate and label all the wires according to their function, take a photo for future reference. Then disconnect all wires from the switch.



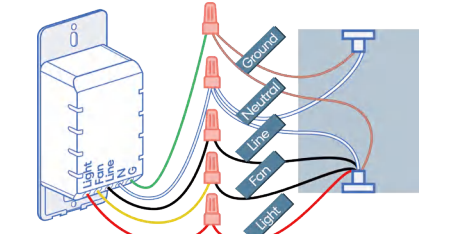
- **Line/hot wire:** Black.
- **Neutral:** White insulated wire.
- **Ground:** Bare wire or Green insulated.
- **Fan load:** Brown or Black insulated wire.
- **Light load:** Red or Blue or Black insulated wire.

Note: Only one Load wire? See "Troubleshooting," point 5.

E - Connect the wires

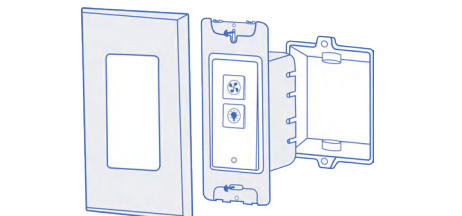
Connect the wires to the corresponding wires.

Caution: Incorrect wiring can damage the product.



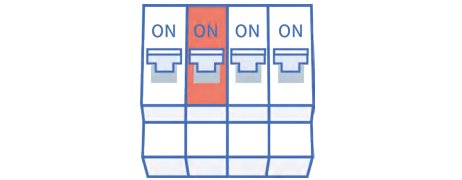
F - Mount the device

Secure the device to the switch box with the provided screws, and snap on the faceplate.

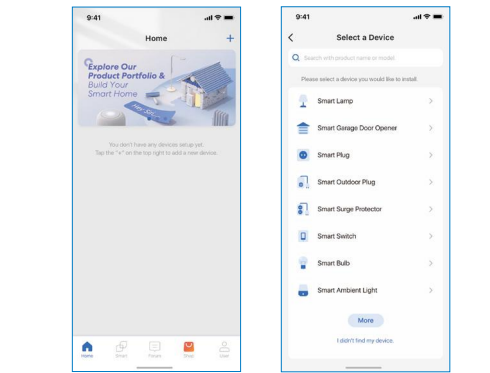


G - Turn power on

Activate the circuit breaker to power the device. If the device works manually and the LED flashes amber and green, proceed with setting up. If not, switch off power and check wiring again.



2. Set up the device.
- 1) Download the Meross app.
- 2) Connect your smartphone or tablet to a 2.4 GHz Wi-Fi network.
- 3) The smart device supports iOS 13/ iPadOS 13 and later. It is recommended that you upgrade your iOS or iPadOS to the latest version before pairing with the smart device.
- 4) Launch the Meross app and log in to your account, or if you are a new user, tap Sign up to create a new account.
- 5) Tap the "+" icon to select the type of smart device you want to add, then you can just follow the setup wizard to finish configuration.
- 6) Relocation of the smart device does not require additional operations provided that it remains on the same network with strong Wi-Fi signal.



NOTE:

1. If this is not the first time you've added this smart device, you'll have to reset it before going any further.
2. As long as you finish configuration, you'll be able to manage the device in Apple Home app.
3. If the setup code does not work, please try to add the smart device in Apple Home app.
4. Find more at <https://www.meross.com/support>.

■ LED and Button Rules

Levels LED

White: Fan speed levels. The number of lit white LEDs corresponds to the current fan speed level.

Orange: Light brightness levels. The number of lit orange LEDs corresponds to the current light brightness level.

Fan Button

Single press: Turns the fan on or off.

Double press: Cycles through the speed levels in order, from low to high.

Light Button

Single press: Turns the light on or off.

Double press: Cycles through the brightness levels in order, from low to high.

Power Button

Single press: Turns the device on or off.

Long press for 5 seconds: Resets the device.

Status LED

Slow Alternate Flashing Green and Amber: Ready for Configuration.

Solid Green: Power On.

Flashing Green: Wi-Fi Connecting.

Solid Red: No internet.

Off: Power Off or LED turned off.

Restart Button

Press once: Quickly restarts the device. Useful when device is unresponsive and hard to reach for power reset.

■ How to Use?

1. General Settings

Device name:
Modify the name of your device.

LED:
Adjust the LED lights to suit your preferences, ideal for reducing light disturbance at night.

User manual:
Access the user manual for further guidance.

2. Advanced Settings

Fan speed settings:
Please select the original speed setting of your fan to achieve the most suitable airflow effect.

Power-on state:
The initial state of the fan when the power button is turned on.

Light compatibility:
Different light bulbs may flicker or not light up at certain brightness levels. Adjust the max and min brightness settings to fit your bulb's performance.

Custom button actions:
Customize the button action that best fits your preferences for controlling the fan and light.

Power retention:
This feature allows the device to remember its settings even after power is turned off and then restored. Choose the setting that best suits your preferences.

Integration:

Go to User-> Amazon Alexa and follow the instructions.

Go to User-> Google Assistant and follow the instructions.

Link Meross to Google Home or Amazon Alexa

Set up the device in the Meross app and link it to the voice assistants.

Link to Apple HomeKit

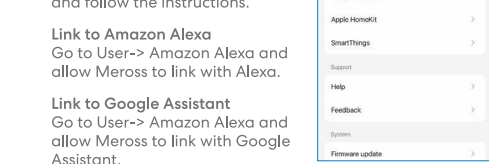
Go to User-> Apple HomeKit and follow the instructions.

Link to Amazon Alexa

Go to User-> Amazon Alexa and allow Meross to link with Alexa.

Link to Google Assistant

Go to User-> Amazon Alexa and allow Meross to link with Google Assistant.



HomeKit Siri:

The example commands are as follows:

- "Hey Siri, set the bedroom fan to high."
- "Hey Siri, turn the bedroom light on."
- "Hey Siri, decrease bedroom fan speed."
- "Hey Siri, increase brightness on my office light."
- "Hey Siri, is my living room fan off?"

Amazon Alexa:

The example commands are as follows:

- "Alexa, set the bedroom fan speed to 4."
- "Alexa, set the fan speed on the bedroom fan to maximum."
- "Alexa, turn up the bedroom fan speed."
- "Alexa, turn the bedroom light off."
- "Alexa, what's the bedroom fan speed?"

Google Assistant:

The example commands are as follows:

- "Hey Google, lower the fan speed little."
- "Hey Google, set the fan speed to high."
- "Hey Google, set the fan light to 80% brightness."
- "Hey Google, what speed are the fans in the bedroom?"
- "Hey Google, drop the fan speed to medium."

meross

MFC100 USER MANUAL

SIMPLE DEVICE SIMPLIFY YOUR LIFE

Email: support@meross.com
Website: www.meross.com

Chengdu Meross Technology Co., Ltd.
Floor 3, Building A5, Shijicheng Road No 1129, Gaoxin, Free Trade Trial Zone,
Chengdu, Sichuan, China.



MADE IN CHINA
INDOOR USE ONLY
CONFORMS TO UL STD. 60730-1
CERTIFIED TO CAN/CSA STD. E60730-1

■ Safety Information

- Installation without turning off power at circuit breaker or fuse may cause severe injury or even death.
- Ensure operation within a temperature range of 32 °F (0 °C) to 104 °F (40 °C).
- A neutral wire is essential.
- Never use a neutral wire for a load wire of a light or fan, as it could potentially damage the device.
- Refrain from connecting this device to other motor-operated appliances.
- Suitable only for permanently installed ceiling fans.
- To prevent overheating and potential damage, avoid using this device to control receptacles, motor-operated appliances, or transformer-supplied appliances.
- For indoor use only.
- Radio-frequency / Max transmission power: 2400-2483.5MHz, 20dBm.

■ Fan Compatibility

- Designed for operating ceiling fans with paddle-style blades.
- Works with pull-chain ceiling fans without electronic controls, avoid usage with fans that possess integrated fan speed controls (such as remote control, particularly those that only use remote control and lack hard-wired wall switch or Bluetooth/WiFi enabled) unless the integrated control is disengaged from the ceiling fan.
- Certain newer models or remote-controlled versions of Hunter or Casablanca fans have additional technologies designed to prevent integration with third-party devices.
- Not intended for controlling DC motor fans, typically those with more than four speed settings.
- If you have just one Load wire in your wall (usually with a neutral and a ground), separate control of the fan and light isn't possible. Please use the original pull chain or remote for the light.

■ Troubleshooting

At Meross, we strive to assure your satisfaction. Attached below is a nonexhaustive list of questions that users are mostly concerned about.

1. Why can't I dim my lights manually?
Make sure you're using dimmable light bulbs. If not, replace them with non-smart dimmable light bulbs.
2. Why is my fan speed too slow?
Check that the fan is set to its highest possible setting before installing the device.
3. Why isn't my fan working?
Please refer to the "Fan Compatibility" section of this manual. Ensure your fan type aligns with our device's design and intended use.
4. Is this device compatible with a 3-way switch?
No, this device is designed for single-pole (one location) wiring and is not compatible with 3-way/multi-way switch wiring.
5. I only have one Load wire, can I control both fan and light?
Typically, this means you won't be able to control the fan and light independently using our device. If your fan allows for individual light control via a pull chain or remote, yet only has one Load wire, it suggests that your fan has a separate module to control the light, our Light wire might not directly manage it. If you have two wall switches, one for the fan and another for the fan light, you can connect the Load wire controlling the light to our device's Light Load to achieve separate control. If you're unsure about the setup, please reach out to our customer support.

■ Disclaimer

1. The function of this smart device is tested under a typical circumstance described in our specifications. Meross does NOT guarantee that the smart device shall perform exactly the same as described under all circumstances.
2. By using third-party services including but not limited to Amazon Alexa, Google Assistant, Apple HomeKit and SmartThings, customers acknowledge that Meross shall not be held liable in any way for the data and private information collected by such parties. Meross's total liability is limited to what is expressly covered in its Privacy Policy.
3. Damages arising from ignorance of the SAFETY INFORMATION shall not be covered by Meross aftersales service, nor does Meross take any legal responsibility therefrom. Customers acknowledge understanding of these articles clearly by reading this manual.

■ Warranty

Meross products are covered by a 12-month limited warranty from the date of purchase. Please visit <https://www.meross.com/support/warranty> for detailed warranty policy and product registration. We can only provide aftersales service for products that are sold by Meross or Meross authorized retailers and distributors.

■ FCC Compliance Information Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
 - (2) this device must accept any interference received, including interference that may cause undesired operation.
- Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

■ Canadian Compliance Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
 - (2) This device must accept any interference, including interference that may cause undesired operation of the device.
- L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
- 1) L'appareil ne doit pas produire de brouillage;
 - 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité defr. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre.