

## meross MPD100

# meross MPD100 Outdoor Smart Dimmer Plug User Manual

Model: MPD100

## 1. INTRODUCTION

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The meross MPD100 Outdoor Smart Dimmer Plug is designed to provide smart control over your outdoor lighting and appliances. It features dimming capabilities from 1% to 100% and can be controlled via the Meross app, Apple HomeKit, Amazon Alexa, and Google Home. Its IP44 weatherproof housing ensures durability for outdoor use, making it suitable for various applications such as string lights, patio lights, and holiday decorations.



Figure 1: meross MPD100 Outdoor Smart Dimmer Plug. This image shows the compact design of the smart dimmer plug with its flexible power cord and two covered outlets.



Figure 2: Versatile Use Cases. This image illustrates various outdoor settings where the smart dimmer plug can be used, including gardens, backyards, and patios, enhancing ambiance with controlled lighting.

## 2. SETUP INSTRUCTIONS

1. **Power On:** Plug the meross MPD100 Outdoor Smart Dimmer Plug into a standard outdoor electrical outlet. Ensure the outlet is protected from direct water exposure.
2. **Download Meross App:** Download the latest version of the Meross app from the Apple App Store or Google Play Store.
3. **Add Device:** Open the Meross app, sign in or create an account, and tap the '+' icon to add a new device. Follow the on-screen instructions to connect the smart plug to your 2.4 GHz Wi-Fi network.
4. **Smart Home Integration:** For integration with Apple HomeKit, Amazon Alexa, or Google Home, follow the respective setup guides within the Meross app or your preferred smart home application. For Apple HomeKit setup, refer to [Apple HomeKit Support](#).

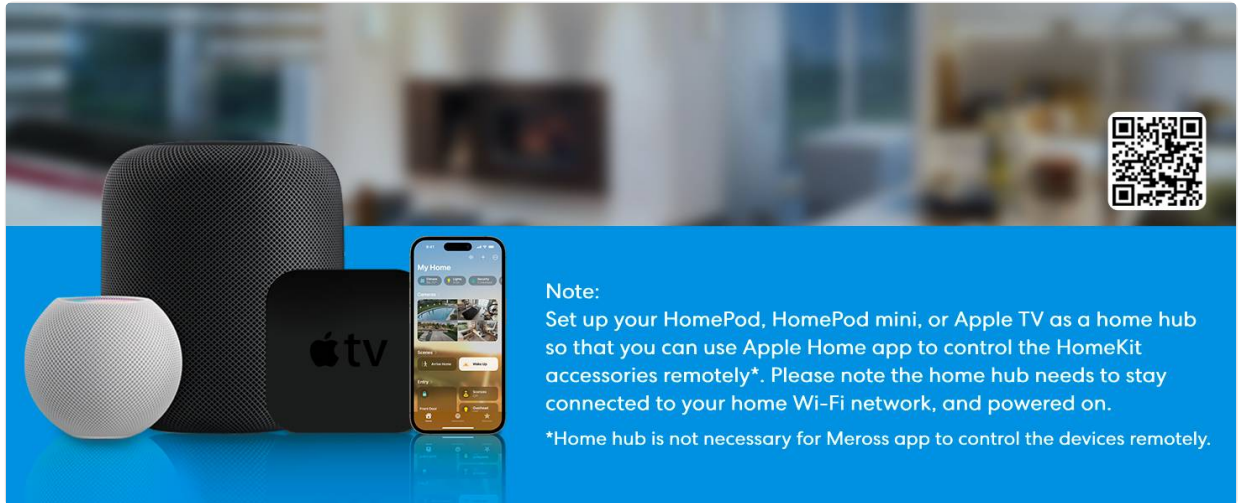


Figure 3: HomeKit Setup. This image displays Apple HomePod, HomePod mini, and Apple TV devices, along with a smartphone showing the Apple Home app interface, indicating the process of setting up a home hub for HomeKit accessories.

## 3. OPERATING INSTRUCTIONS

### 3.1. Dimming Functionality

The meross MPD100 allows for precise brightness adjustment from 1% to 100%. This can be controlled through the Meross app or the Home app (for HomeKit users). The physical button on the device also offers quick dimming settings at 10%, 20%, 30%, 50%, and 100%.

## I Dimmable. Multi-Compatible

Dim your light from 1%~100%. Compatible with LED, CFL and INC bulbs.



Figure 4: Dimmable and Multi-Compatible. This image shows an outdoor patio scene with string lights, demonstrating the dimming capability from 1% to 100% and compatibility with LED, CFL, and INC bulbs.

### 3.2. Voice Control

Control your outdoor lights with simple voice commands using Apple HomeKit (Siri), Amazon Alexa, or Google Home. For example, say “Hey Siri, set my yard lights to 50%” to adjust brightness.





Figure 5: Voice Control. This image depicts a group of people enjoying an outdoor dinner under string lights, with speech bubbles showing voice commands like “Hey Siri, set my string lights to 60%” for smart control.

### 3.3. App Remote Control

Manage your devices remotely from anywhere with a 2.4 GHz Wi-Fi connection using the Meross app. You can turn devices on/off or adjust dimming settings even when you are away from home.

# I Remote Control

Control your devices remotely via Meross app( no hub needed). Anytime and anywhere with internet.



\*Please grant Meross app to use mobile data.

Figure 6: Remote Control. This image shows a person using a smartphone with the Meross app to control outdoor string lights, emphasizing remote access to devices via the app.

## 3.4. Local Control

When you are at home and connected to the same Wi-Fi network, enjoy ultra-fast, reliable local control with millisecond response times and no drop-offs. No internet hub is required for local control.

# Local Control

With local control when you are at home, your operation will have millisecond response.

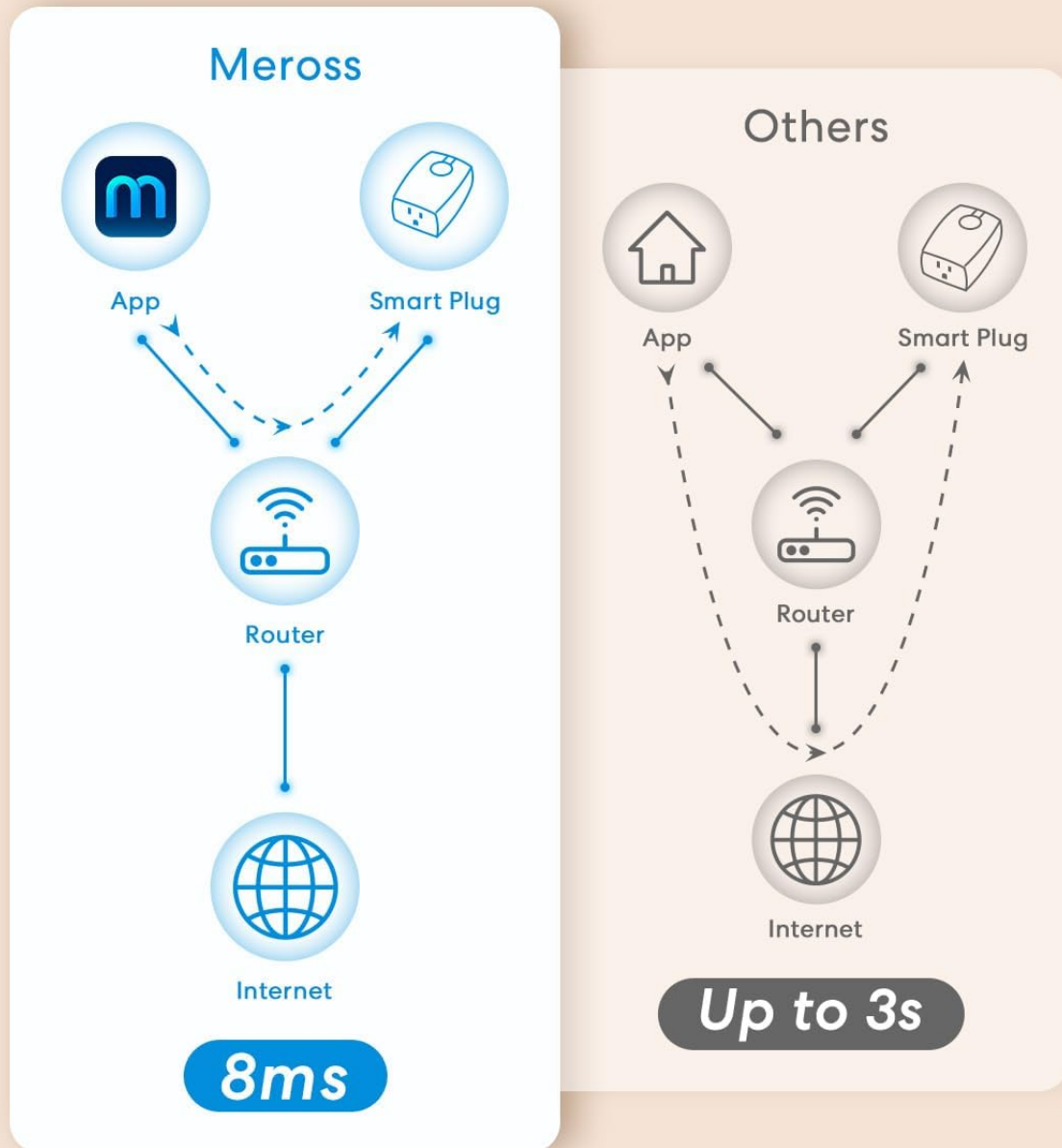


Figure 7: Local Control. This diagram illustrates the direct communication path between the Meross app, router, and smart plug for local control, highlighting an 8ms response time.

## 3.5. Scheduling and Offline Routine Execution

Create customized schedules, including sunrise and sunset options, based on your daily routines. These schedules will continue to run even if the internet connection is temporarily unavailable, offering convenience and energy savings.



# I Scene & Schedule

Set scenes, timers, sunrise and sunset to meet various demands. Schedules can still perform even if the internet is down.

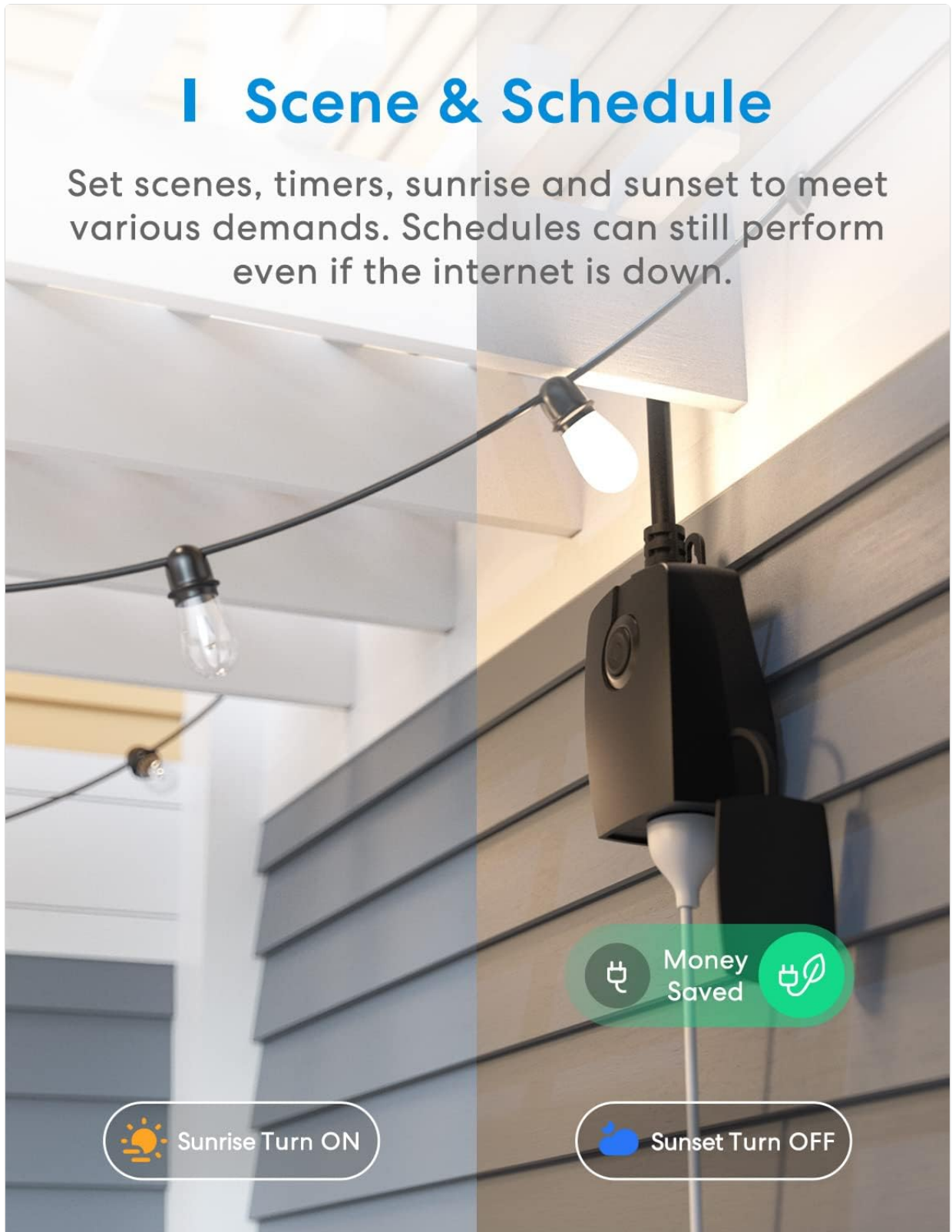


Figure 8: Scene & Schedule. This image shows an outdoor smart plug connected to string lights on a house, with icons indicating "Sunrise Turn ON" and "Sunset Turn OFF" for automated scheduling and energy saving.



# I Offline Control

When the internet is down, you can still control your devices in Home Wi-Fi network via Meross app.



Figure 9: Offline Control. This diagram illustrates how devices can still be controlled via the Meross app within the home Wi-Fi network even if the internet connection is down.

## 4. MAINTENANCE

The meross MPD100 features an IP44 weatherproof housing and socket covers to protect it from water splashes and dust. To ensure optimal performance and longevity:

- **Proper Installation:** When plugging in the device, ensure it is oriented downwards to allow any water to shed off, preventing ingress into the outlets.
- **Regular Inspection:** Periodically check the device and its connections for any signs of wear, damage,



or debris accumulation.

- **Cleaning:** If necessary, gently wipe the exterior of the device with a dry cloth. Do not use harsh chemicals or immerse the device in water.



Figure 10: Reliable Safety Design. This image shows an exploded view of the smart plug, highlighting its internal components and safety features like FCC certification, IP44 waterproof rating, and fire-retardant housing.

## 5. TROUBLESHOOTING

If you encounter issues with your meross MPD100 Outdoor Smart Dimmer Plug, consider the following troubleshooting steps:

- **Connectivity Issues:**

- Ensure your smart device has a stable 2.4 GHz Wi-Fi and internet connection.
- Access your router settings and assign a static IP address to the smart device.
- Change and set a fixed 2.4GHz WiFi channel (preferably 1, 6, or 11) on your router to avoid congestion and interference.
- If your router has too many connected devices, connect some to another router or reduce the number of active devices.
- Disable “Fast Roaming” on your router’s setting page if applicable.

- **Dimmable Function Not Working:** Ensure that the lights connected to the dimmer plug are explicitly dimmable. Non-dimmable lights will not function correctly with the dimming feature.

- **Overload Protection:** Do not exceed the maximum power ratings for connected devices: 150W for LED & CFL bulbs, and 400W for INC (incandescent) bulbs. Overloading can damage the device or cause a fire.

## 6. SPECIFICATIONS

<b>Model Number</b>	MPD100
<b>Item Weight</b>	7.4 ounces
<b>Product Dimensions</b>	2.36 x 3.15 x 1.58 inches
<b>Voltage</b>	120 Volts (AC)
<b>Material</b>	Acrylonitrile Butadiene Styrene (ABS)
<b>IP Rating</b>	IP44 Weatherproof
<b>Max Power (LED &amp; CFL)</b>	150W
<b>Max Power (INC)</b>	400W
<b>Wireless Connectivity</b>	2.4 GHz Wi-Fi
<b>Compatibility</b>	Apple HomeKit, Amazon Alexa, Google Home
<b>Certifications</b>	FCC Certified

## 7. WARRANTY AND SUPPORT

The meross MPD100 Outdoor Smart Dimmer Plug comes with a **1-year manufacturer's warranty** from the date of purchase, covering defects in materials and workmanship under normal use.

For technical assistance, troubleshooting, or warranty claims, please contact Meross Customer Support. You can typically find contact information on the official Meross website or within the Meross app.