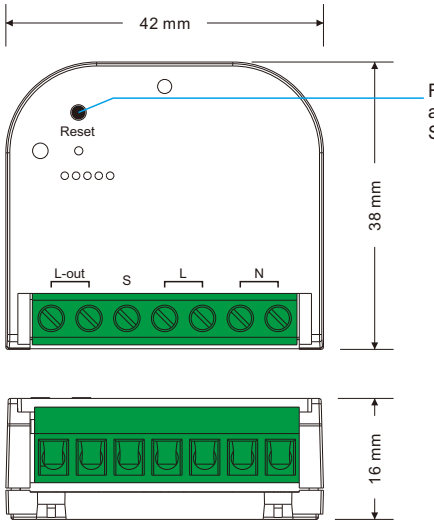
Matter Over Thread Smart Relay Module

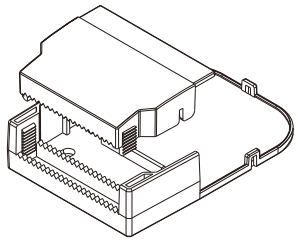
matter CE RoHS COMPLIANT

Important: *Read All Instructions Prior to Installation*

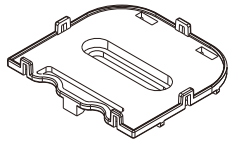
Function introduction



For network pairing, Touchlink and reset to factory setting. Short press to turn on/off.



Accessory 1: Wire clamp cover. Need to purchase separately.



Accessory 2: din rail bracket. Need to purchase separately.

Product Data

Input Voltage	Output Voltage	Max. Load Current	Standby Power Consumption	Size(LxWxH)
100-240Vac	100-240Vac	Resistive load: max. 4.3A, Capacitive/Inductive load: max. 1.7A	<=0.5W	42x38x16mm

- Matter over Thread in wall smart relay module
- Supports resistive loads, capacitive loads or inductive loads
- 1 channel output, max. load up to 4.3A
- Input and Output with Screw Terminals, Safe and Reliable
- Enables to control ON/OFF of connected light source
- App control through Matter (e.g. Apple Home, Amazon Alexa, Google Home)
- Fully compatible with universal Matter ecosystems from different manufacturers
- Active power and energy metering functionality
- Mini Size, Easy to be Installed into a standard size wall box

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

Operation

1. Do wiring according to connection diagram correctly.

2. This Matter thread device is a wireless receiver that communicates with a variety of Matter compatible systems. This receiver receives and is controlled by wireless radio signals from the compatible Matter system.

3. Add to a Matter platform and control through the platform:

Note: An Apple HomePod mini is used as a Matter border router for adding and controlling the device. For other Matter border routers, please refer to their user manuals to learn how to add and control Matter devices.

Step 1: Prepare an iPhone (iOS 16.2 or later) or iPad (iPadOS 16.2 or later) with the latest version firmware, and prepare an Apple HomePod mini with the latest version firmware.

Step 2: Connect the iPhone or iPad to your home WLAN network. Run the Apple Home app and set up the HomePod mini as instructed by Apple (as shown in **Figure 1** to **Figure 7**).

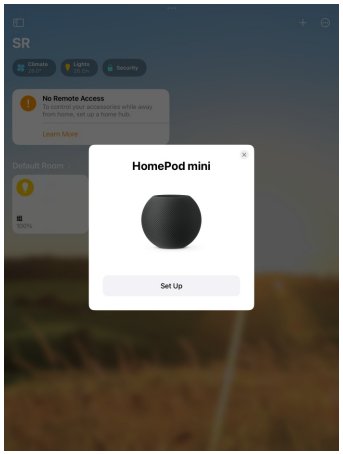


Figure 1

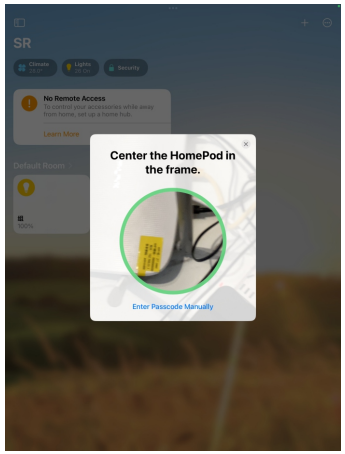


Figure 2

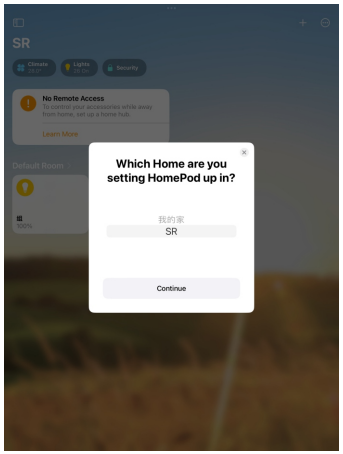


Figure 3

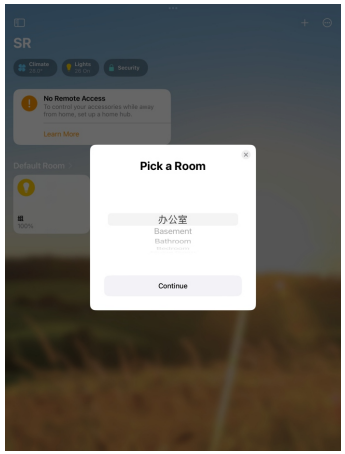


Figure 4

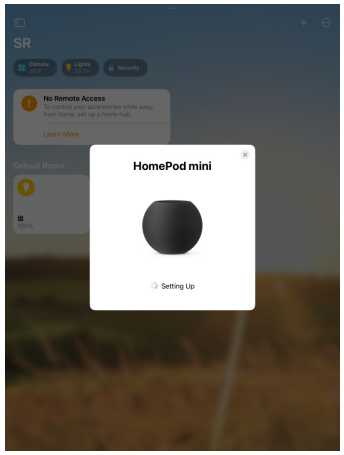


Figure 5

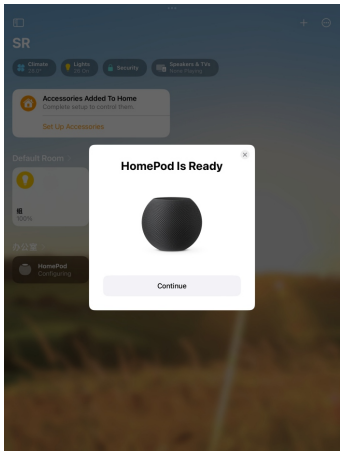


Figure 6

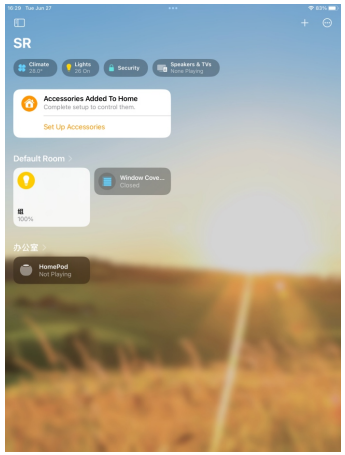


Figure 7

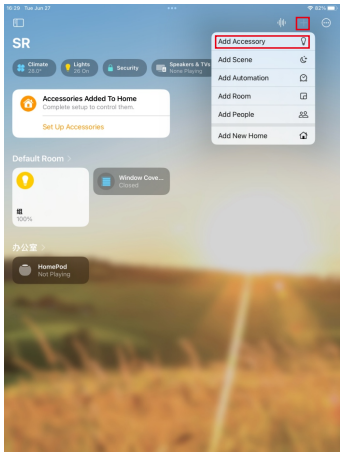


Figure 8

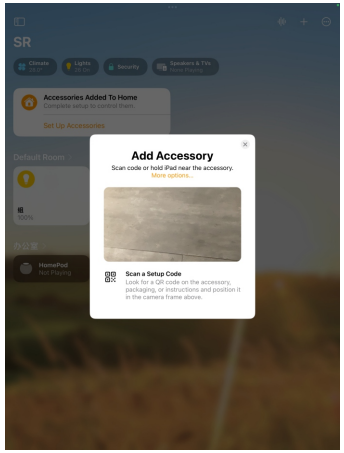


Figure 9

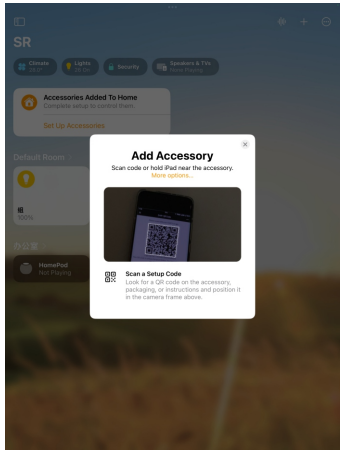


Figure 10

Step 3: Do wiring of the Matter thread relay according to the wiring diagram and power on it.

Step 4: Add the Matter thread relay to the Apple Home app by scanning the QR code sticker on the relay as shown in **Figure 8** to **Figure 15**.

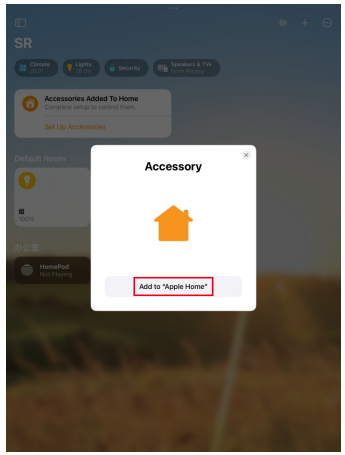


Figure 11

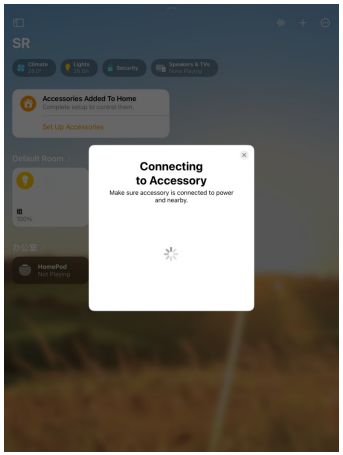


Figure 12

Note: Before scanning the QR coder sticker on the relay as shown in Figure 10, short press the reset button 5 times to reset the relay so that it can be discovered by the Apple Home app. Otherwise if it has already been added to another gateway, current gateway can not discover and add it.

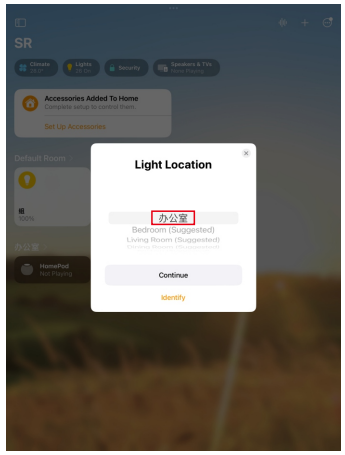


Figure 13

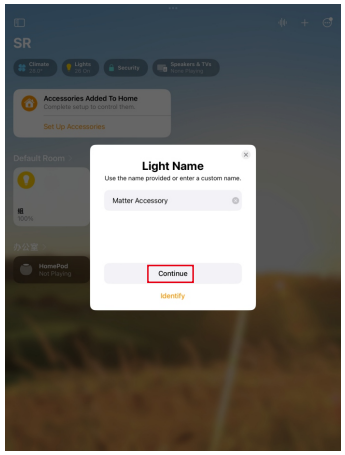


Figure 14

Note: When choose the room that you would like to add the relay to, please make sure to choose the same room that the HomePod mini is located as shown in Figure 13.

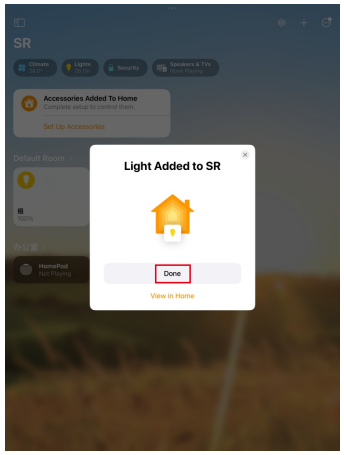


Figure 15

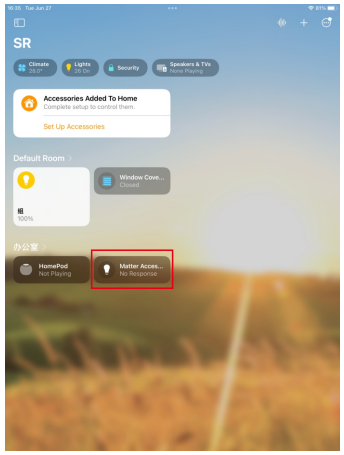


Figure 16

Step 5: once the relay is added to the gateway successfully, tap on the device to control on/off of the relay as shown in **Figure 16** to **Figure 18**.

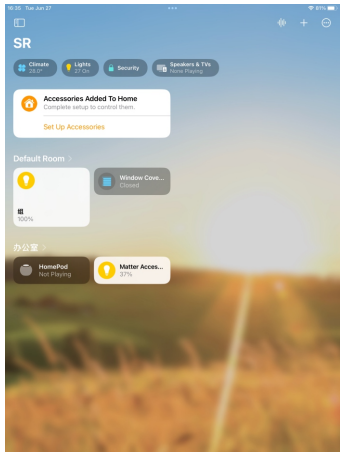


Figure 17

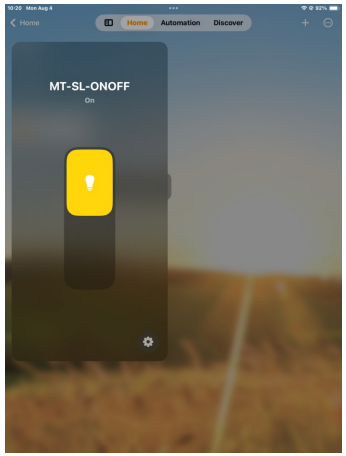
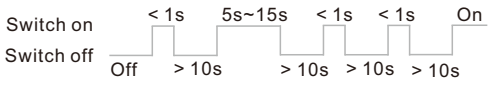


Figure 18

4. Restore factory settings

To restore the factory settings, short press the “Reset” button 5 times or switch the device power on and off in the following sequence. If the device is successfully reset, the connected light will blink 3 times to indicate successful reset.

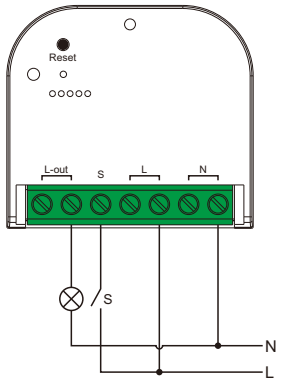


Wiring Diagram

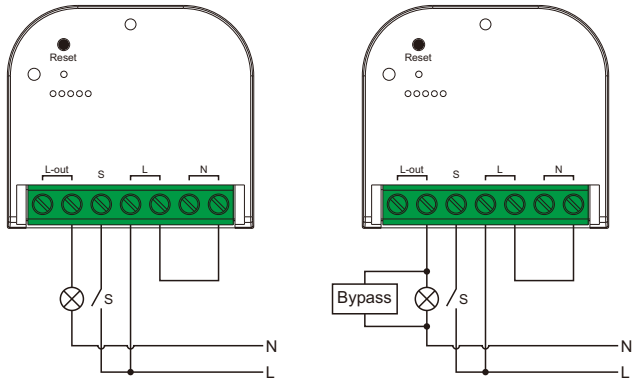
Notes for the diagrams:
L - terminal for live lead
N - terminal for neutral lead
L-out - output terminal of the relay (controlling connected light source)
S - terminal for switch

External switch type: there are 2 versions of firmware available, one is working with push switch, the other is working with toggle on/off switch, please confirm the external switch type when place the order.

1) Wiring with neutral wire



2): Wiring without neutral wire



* When using the device without neutral wire, the smart relay requires at least 3W @ 240 VAC of power consumption to operate. If the connected light has a smaller power consumption, then Bypass is needed for the device to work.