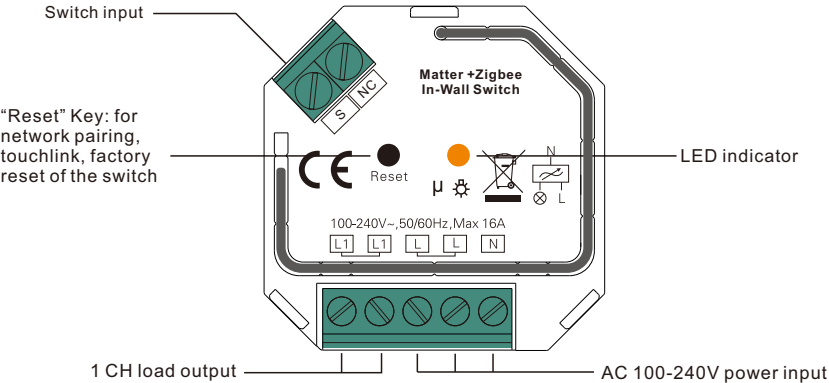


Matter Over Thread + ZigBee Dual Tech 16A In-wall Switch



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Input Voltage	Output Voltage	Output Current	Size(LxWxH)
100-240VAC	100-240VAC	16A max	45.5x45x20.3mm

Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Remarks
	LED lamps with transformers	1220W @ 230V 580W @ 110V	Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power factor result when connected to switch.
	LED drivers	1220W @ 230V 580W @ 110V	Maximum permitted number of drivers is 1220W divided by driver nameplate power rating.
	Incandescent lighting, HV Halogen lamps	3680W @ 230V 1760W @ 110V	
	Low voltage halogen lighting with electronic transformers	1220W @ 230V 580W @ 110V	
	Electrical appliances such as television, refrigerator, water heating etc.	3680W @ 230V 1760W @ 110V	

Over Current Protection

- When load current is over 16.1A for over 10 seconds, the relay will be forced to off and protected.
- When load power is over 3700W for over 5 seconds, the relay will be forced to off and protected.

- Matter + ZigBee dual tech in-wall switch
- 100-240VAC wide input and output voltage
- Supports resistive loads and capacitive loads
- 1 channel output, max. load 16A
- Input and output with screw terminals, safe and reliable
- Enables to control ON/OFF of connected load
- App control + Touchlink remote control + Green Power kinetic switch control
- App control through Matter (e.g. Apple Home, Amazon Alexa, Google Home)
- Fully compatible with universal Matter ecosystems from different manufacturers
- Can be voice controlled through Apple Siri, Google Assistant, Amazon Alexa
- Can be controlled by toggle on/off switches
- Active power and energy metering functionality
- Mini size, easy to be installed into a standard size wall box
- Radio frequency : 2.4GHz
- Waterproof grade: IP20

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**).

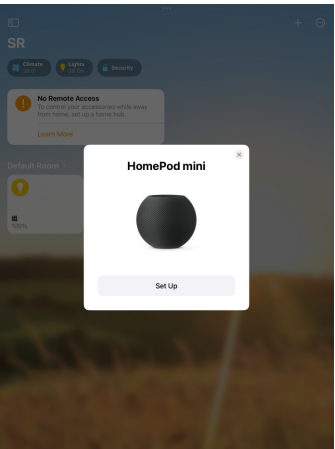


Figure 1

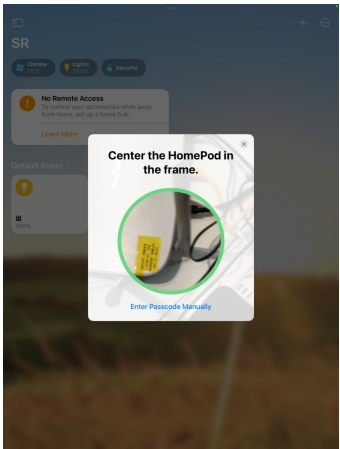


Figure 2

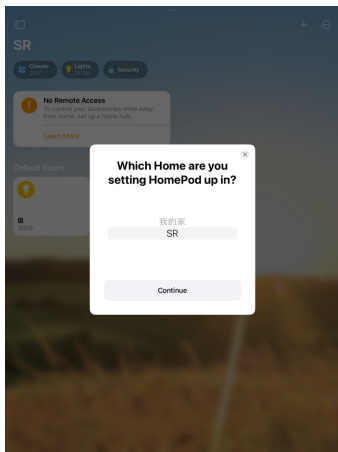


Figure 3

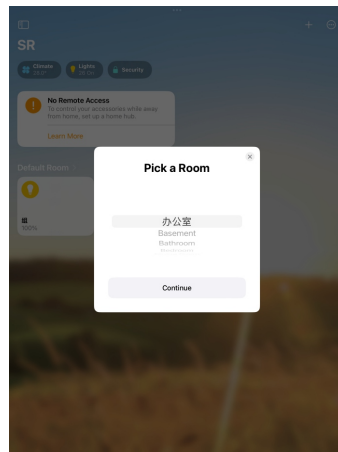


Figure 4

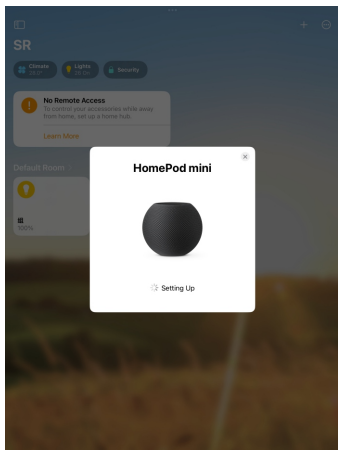


Figure 5

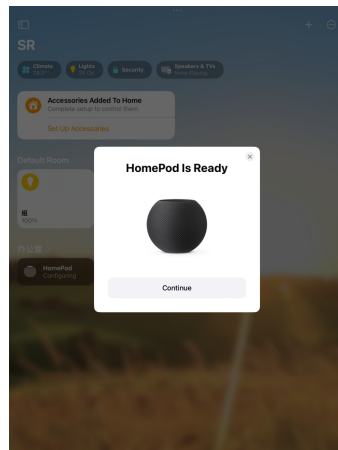


Figure 6

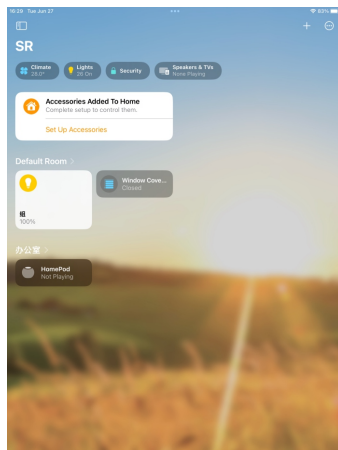


Figure 7

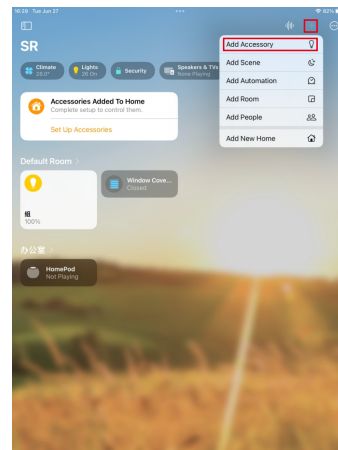


Figure 8

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.

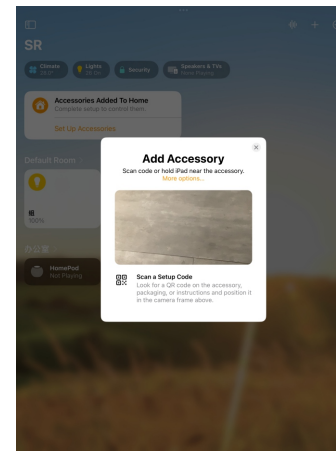


Figure 9

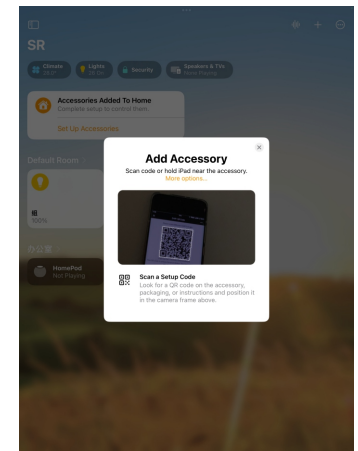


Figure 10

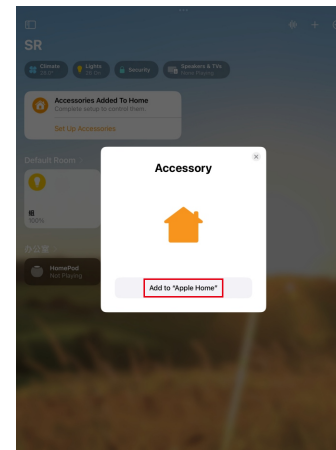


Figure 11

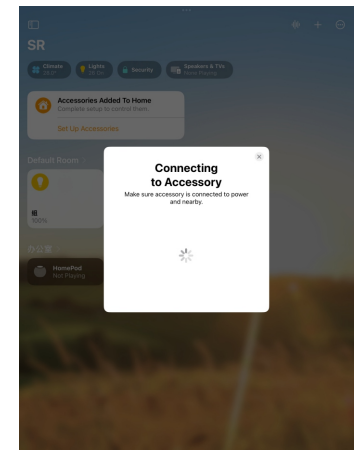


Figure 12

Note: Before scanning the QR code 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.

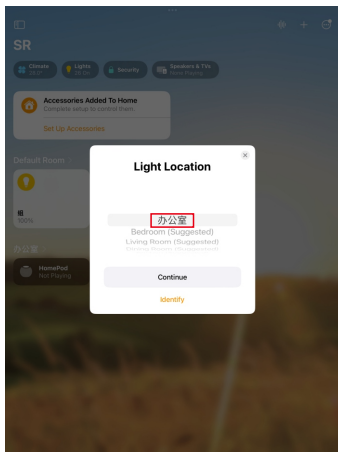


Figure 13

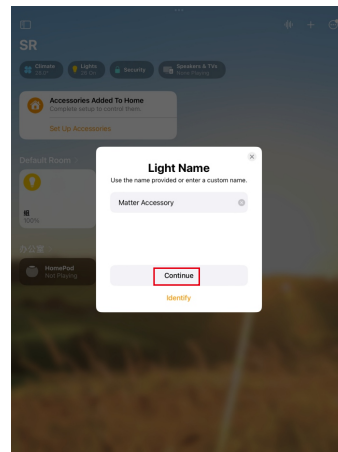


Figure 14

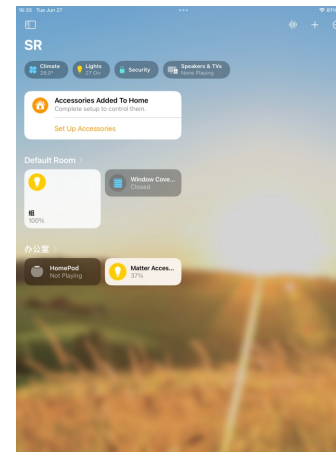


Figure 17

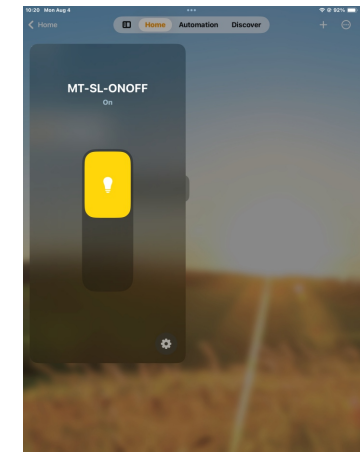


Figure 18

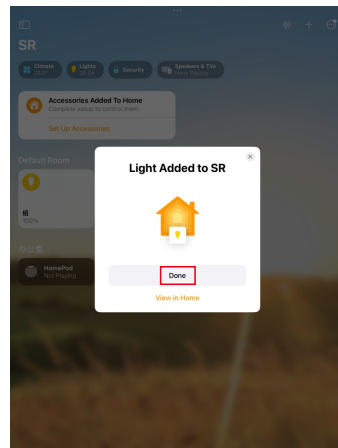


Figure 15

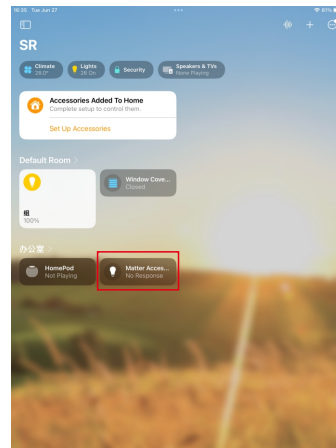


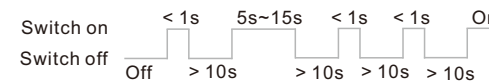
Figure 16

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.

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.

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.



5. Touchlink to a Zigbee remote

Step 1: Short press “Reset” button 4 times to start Touchlink pairing.

Step 2: Bring the remote within 10cm of the receiver.

Step 3: Set the remote into Touchlink pairing, please refer to its manual.

Step 4: There shall be indication on the remote for successful link and the connected light will flash.

Note: There are two control situations:

1) **Only one remote, to control one or more receivers:** directly perform Touchlink pairing between the remote and the receiver.

2) **Only one receiver, to be controlled by multiple remotes, or multiple remotes and multiple receivers with cross-control:** use one receiver as the Zigbee hub, add all remotes and other receivers to the hub, and then perform Touchlink pairing between the remotes and the receivers. The steps are as follows:

Step 1: Use one receiver as the Zigbee hub and short press “Reset” button 4 times to start adding Zigbee devices.

Step 2: Reset power of another receiver once to enter Zigbee network pairing mode, it will be added by the hub, and the connected light will flash.

Step 3: Set a Zigbee remote to enter Zigbee network pairing mode, it will be added by the hub, and the indicator will flash to indicate.

Step 4: Add more receivers and remotes to the hub as you would like, refer to the corresponding remote manual.

Step 5: Touchlink the added receivers and the remotes.

6. Learning to a Zigbee Green Power Switch

Step 1: Short press "Reset" button 4 times to start Learning mode.

Step 2: Set the green power switch into Learning mode, please refer to its manual.

Step 3: There shall be indication on the switch for successful learning.

Note: There are two control situations:

1) Only one receiver, to be controlled by multiple GP switches: directly perform pairing between the GP switch and the receiver.

2) Only one GP switch, to control multiple receivers, or multiple GP switches and multiple receivers with cross-control: use one receiver as the Zigbee hub, add all other receivers to the hub, and then pair the GP switch with the receiver. The steps are as follows:

Step 1: Use one receiver as the Zigbee hub and short press "Reset" button 4 times to start adding Zigbee devices.

Step 2: Reset power of another receiver once to enter Zigbee network pairing mode, it will be added by the hub and the connected light will flash.

Step 3: Add more receivers to the hub as you would like.

Step 4: Pair the added receivers with the GP switches.

Wiring Diagram

Notes for the diagrams:

L - terminal for live lead

N - terminal for neutral lead

L1 - output terminals of the device (controlling connected light source)

S - terminal for external switch

NC - No Connection

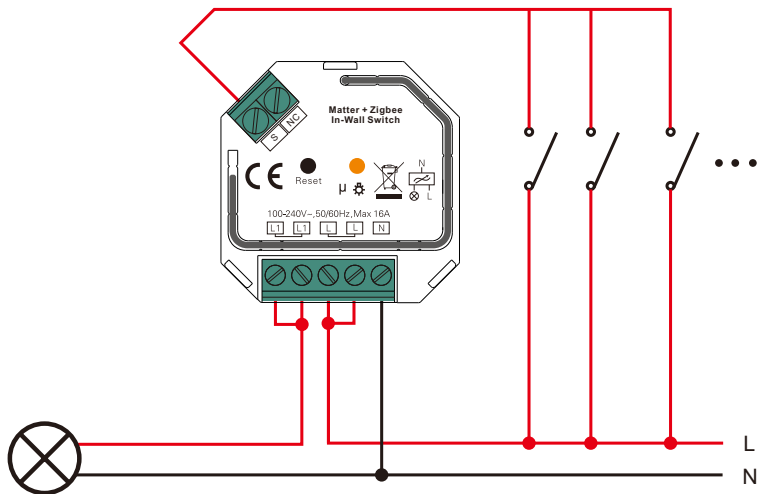
Supported Switch Types:

The switch types this device supports can be configured by factory setting:

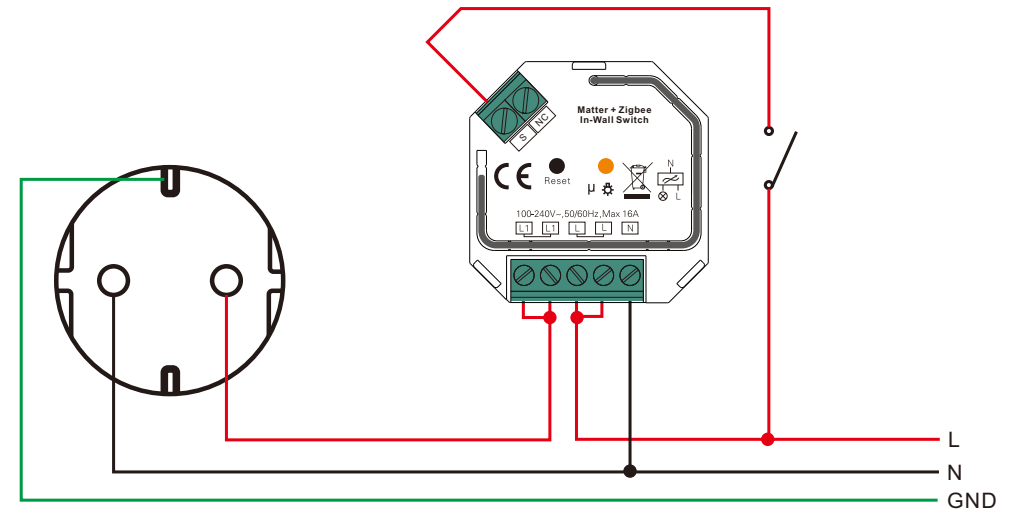
1. Push Switch (factory default setting)

2. Toggle On/Off Switch (can be configured by factory setting upon request)

1) With Light Load



2) Connect With Socket



Product Dimension

