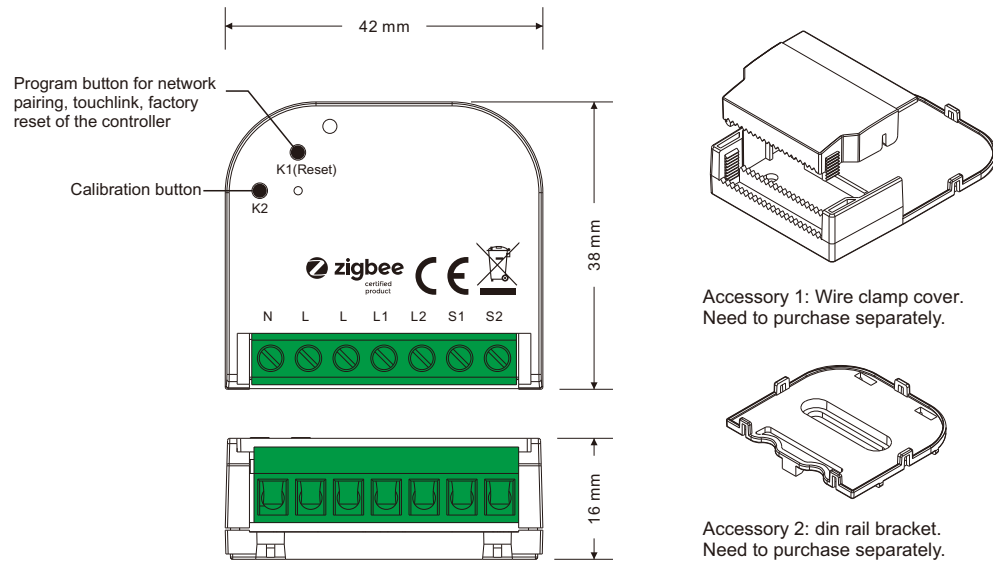


# Matter Over Thread + ZigBee Dual Tech 2CH Smart Relay



**Important:** Read All Instructions Prior to Installation

## Function introduction



## Product Data

Operation Voltage	Max. Load Current	Overcurrent Protection	Standby Power Consumption	Size(LxWxH)
100-240Vac	L1/L2: Inductive load: 2A max. Capacitive load: 2A max. Resistive load: 4A max. L1+L2: 4A max.	Max. 5A	<=0.5W	42x38x16mm

- Matter over Thread + ZigBee dual tech 2-gang ZigBee in-wall switch
- 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 controlled by universal single wire push switch, 2 channels can be controlled separately by 2 switches
- Compatible with various types of switches: momentary, toggle
- Active power and energy metering functionality
- Mini Size, Easy to be installed into a standard wall box
- Over load/ Over heat protection

## 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).

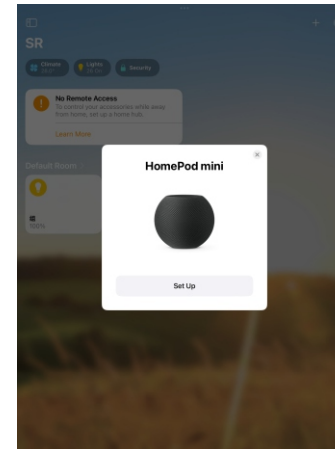


Figure 1

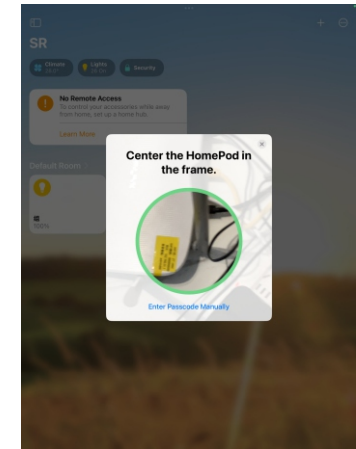


Figure 2

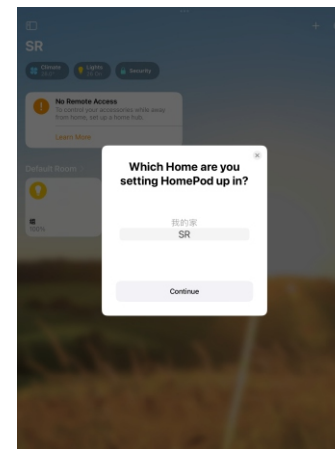


Figure 3

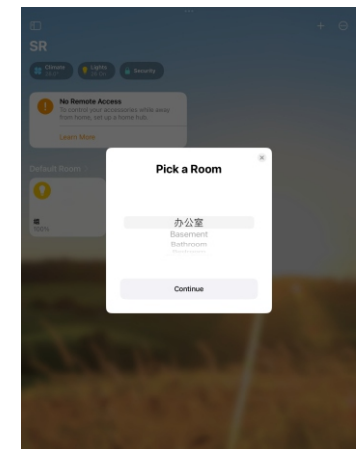


Figure 4

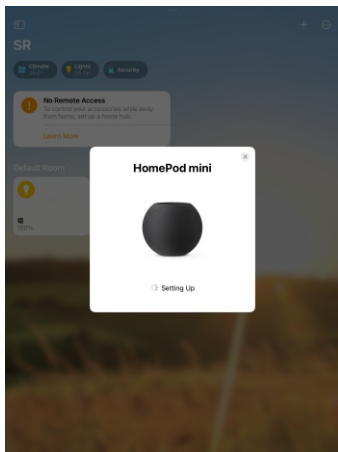


Figure 5

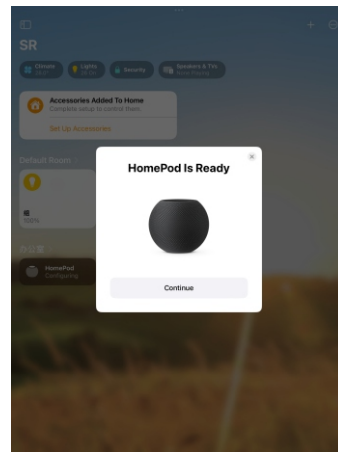


Figure 6

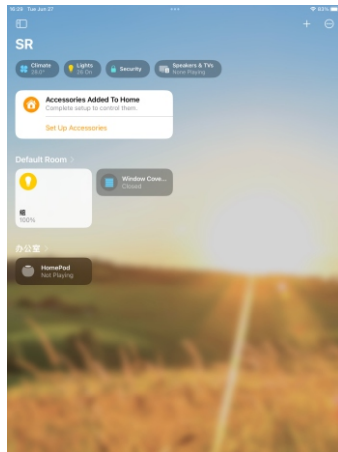


Figure 7

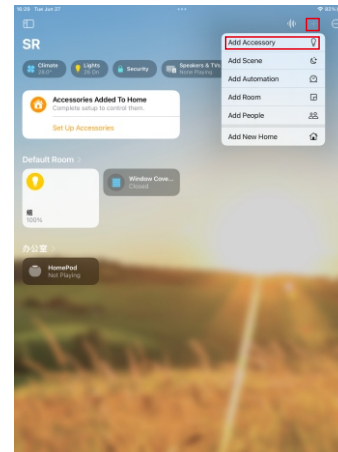


Figure 8

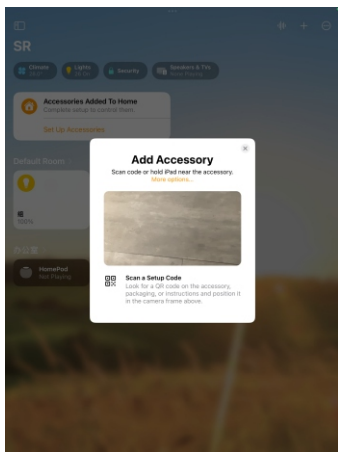


Figure 9

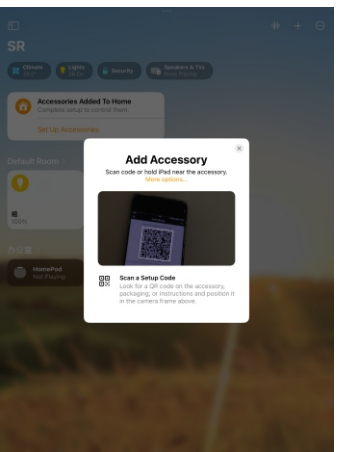


Figure 10

**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.

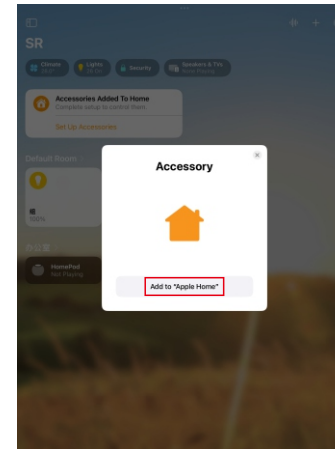


Figure 11

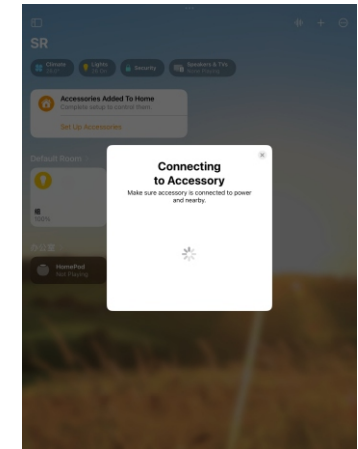


Figure 12

**Note:** Before scanning the QR 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.

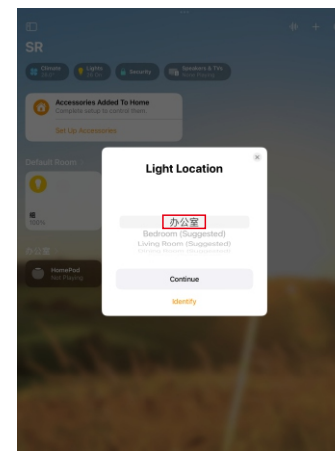


Figure 13

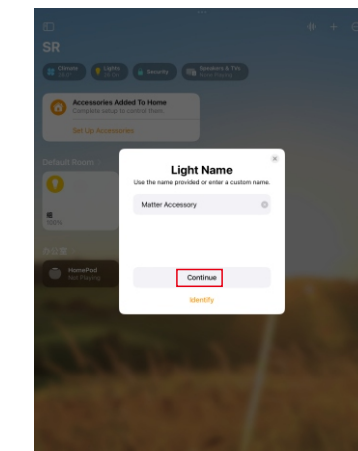


Figure 14

**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.

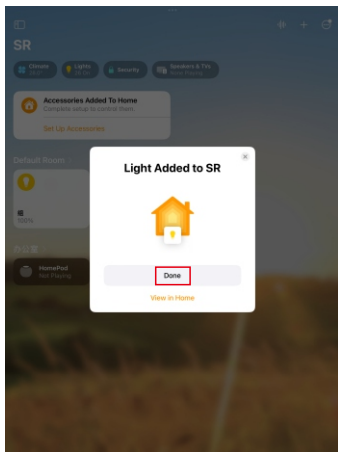


Figure 15

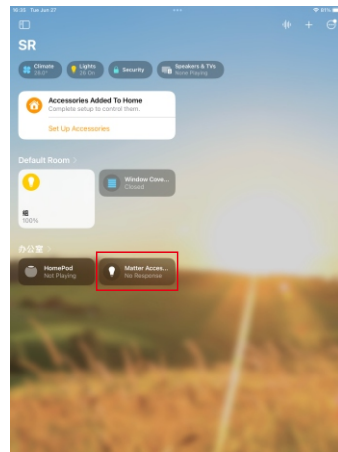


Figure 16

**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.

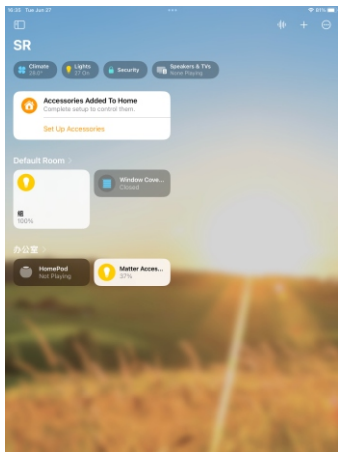


Figure 17

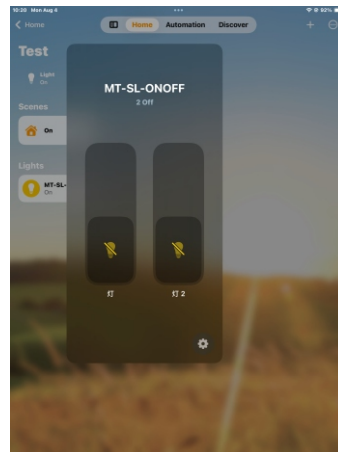
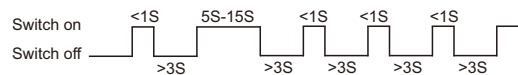


Figure 18

#### 4. Restore factory settings

To restore the factory settings, short press the “Reset” button 5 times or switch the device 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.

#### 7. Over load protection

When under over load alarm state, the LED blinks slowly (0.5s each time) and reports to the gateway at an interval of 1 minute. The device will cut the output until it's restarted or cancellations the alarm.

#### 8. Over heat protection

When the temperature of the power board exceeds 95°C, the output will be shut down and a warning will be reported to the gateway. Auto recovery after re-power on and the temperature is below 95°C

## Wiring Diagram

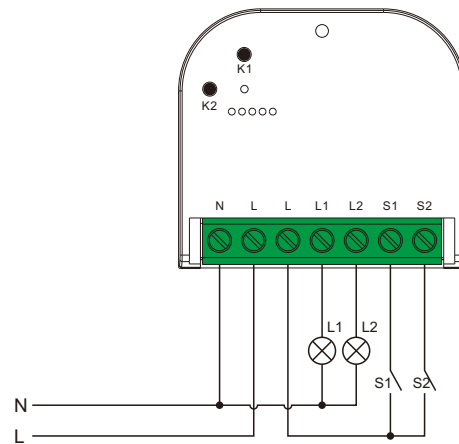
### Notes for the diagrams:

**L** - terminal for live lead

**N** - terminal for neutral lead

**L1,L2** - output terminal of the relay (controlling connected light source)

**S1, S2** - 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.