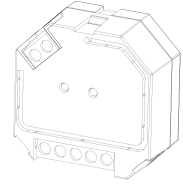


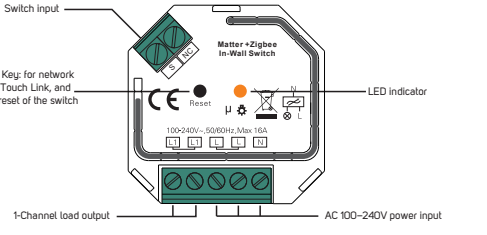
USER MANUAL



Matter Gateway (On/Off)

MODEL NO.: ILSMTRW01

Please read this user guide carefully before installation and keep for future reference



Switch Input

"Reset" Key for network pairing, Touch Link, and factory reset of the switch

LED Indicator

1-Channel load output

AC 100-240V power input

100-240V~50/60Hz Max 16A

Matter +Zigbee In-Wall Switch

Product Data

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

Load Symbol	Load Type	Maximum Load	Remarks
	LED lamps with transformers	1220W @ 230V 580W @ 110V	Due to the variety of LED lamp designs, the maximum number of LED lamps also depends on the power factor when connected to the switch.
	LED drivers	1220W @ 230V 580W @ 110V	The maximum permitted number of drivers is calculated as 1220W divided by the driver's 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 televisions, refrigerators, water heaters, etc.	3680W @ 230V 1760W @ 110V	

Over Current Protection:

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

Compatible Load Types

• Enables control of ON/OFF of connected load

• App control + Touch Link 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, and Amazon Alexa

• Can be controlled by toggle ON/OFF switches

• Active power and energy metering functionality

• Mini size, easy to install into a standard wall box

• Radio frequency: 2.4GHz

• Waterproof grade: IP20

Safety & Warnings

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

Operation

1. Do the wiring correctly according to the connection diagram.

2. This Matter Thread device is a wireless receiver that communicates with a variety of Matter-compatible systems. This receiver is controlled by wireless radio signals from a 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 firmware, and an Apple HomePod mini with the latest 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).

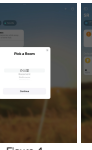
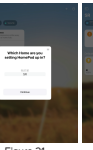
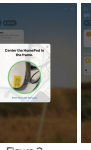
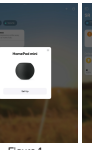


Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

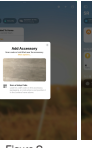
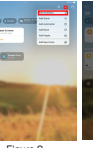
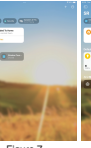
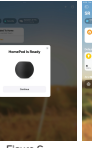


Figure 6

Figure 7

Figure 8

Figure 9

Figure 10

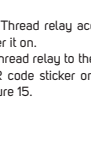
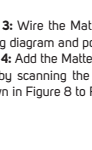


Figure 11

Figure 12

Step 3: Wire the Matter Thread relay according to the wiring diagram and power it on.

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.

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, the current gateway cannot discover and add it.

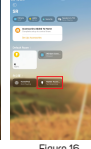
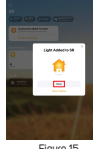
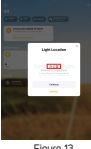


Figure 13

Figure 14

Figure 15

Figure 16

Note: When selecting the room to add the relay, ensure you choose the same room where the HomePod mini is located, as shown in Figure 13.

Step 5: Once the relay is successfully added to the gateway, tap the device to control ON/OFF of the relay, as shown in Figure 16 to Figure 18.

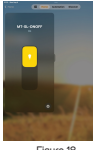
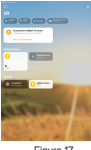


Figure 17

Figure 18

4. Restore Factory Settings

To restore 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 a successful reset.

Switch on < 1s
Switch off > 10s
Off > 10s
On > 10s
On > 10s

5. Touch Link to a Zigbee Remote

Step 1: Short press the "Reset" button 4 times to start Touch Link pairing.

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

Step 3: Set the remote into Touch Link pairing mode (refer to its manual).

Step 4: The remote will indicate successful linking, and the connected light will flash.

Note: There are two control situations:

1. One remote controlling one or more receivers: directly perform Touch Link pairing between the remote and the receiver.

2. One receiver 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, then perform Touch Link pairing between the remotes and receivers.

The steps are as follows:

Step 1: Use one receiver as the Zigbee hub and short press the "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.

Step 4: Add more receivers and remotes to the hub as desired (refer to the corresponding remote manual).

Step 5: Perform Touch Link pairing between the added receivers and remotes.

6. Learning to a Zigbee Green Power Switch

Step 1: Short press the "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 will be an 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 the "Reset" button 4 times to start adding Zigbee devices.

Step 2: Reset the 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 desired.

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 the connected light source)

S – terminal for external switch

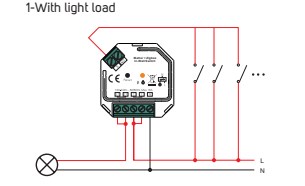
NC – no connection

Supported Switch Types:

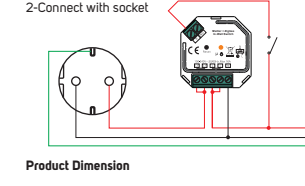
The switch types supported by this device can be configured by factory settings:

1. Push switch (factory default setting)

2. Toggle ON/OFF switch (can be configured by factory settings upon request)

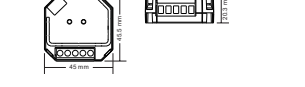


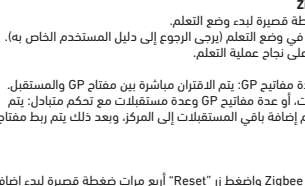
1-With light load



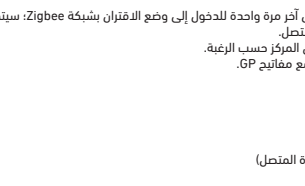
2-Connect with socket

Product Dimension





1. With light load



2. Connect with socket

Dimensions of the product



1. Learn with Zigbee Green Power Switch

Step 1: Press the "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 will be an 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 the "Reset" button 4 times to start adding Zigbee devices.

Step 2: Reset the 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.

Step 4: Add more receivers and remotes to the hub as desired (refer to the corresponding remote manual).

Step 5: Perform Touch Link pairing between the added receivers and remotes.

4. Restore Factory Settings

To restore 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 a successful reset.

Switch on < 1s
Switch off > 10s
Off > 10s
On > 10s
On > 10s

5. Touch Link to a Zigbee Remote

Step 1: Short press the "Reset" button 4 times to start Touch Link pairing.

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

Step 3: Set the remote into Touch Link pairing mode (refer to its manual).

Step 4: The remote will indicate successful linking, and the connected light will flash.

Note: There are two control situations:

1. One remote controlling one or more receivers: directly perform Touch Link pairing between the remote and the receiver.

2. One receiver 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, then perform Touch Link pairing between the remotes and receivers.

The steps are as follows:

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Step 3: Set the remote into Touch Link pairing mode (refer to its manual).

Step 4: The remote will indicate successful linking, and the connected light will flash.

Note: There are two control situations:

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Step 5: Perform Touch Link pairing between the added receivers and remotes.

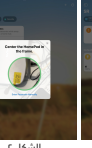
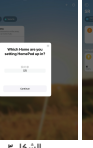
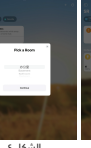
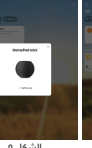


Figure 1

Figure 2

Figure 3

Figure 4

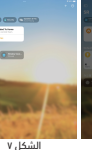
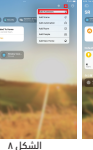
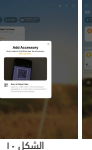


Figure 5

Figure 6

Figure 7

Figure 8

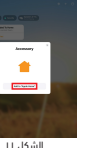
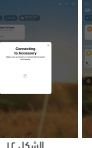


Figure 9

Figure 10

Step 3: Wire the Matter Thread relay according to the wiring diagram and power it on.

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.

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, the current gateway cannot discover and add it.

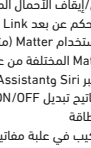
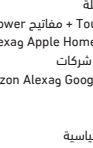
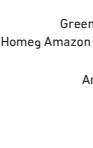
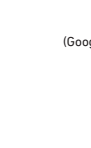


Figure 13

Figure 14

Figure 15

Figure 16

Note: When selecting the room to add the relay, ensure you choose the same room where the HomePod mini is located, as shown in Figure 13.

Step 5: Once the relay is successfully added to the gateway, tap the device to control ON/OFF of the relay, as shown in Figure 16 to Figure 18.



Figure 17

Figure 18

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, the current gateway cannot discover and add it.

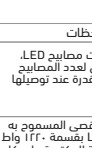


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Figure 15

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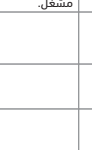


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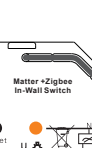
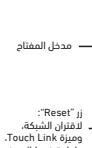


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Step 5: Once the relay is successfully added to the gateway, tap the device to control ON/OFF of the relay, as shown in Figure 16 to Figure 18.



Figure 17

Figure 18



1-With light load



2-Connect with socket

Product Dimension

