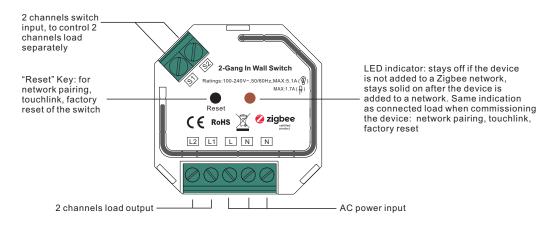
ZigBee 2-Gang In-wall Switch

Important: Read All Instructions Prior to Installation

Function introduction



Product Data

Input Voltage	Output Voltage	Output Channel	Max. Load	Size(LxWxH)
100-240VAC	100-240VAC	2 Channels	Resistive load: max. 5.1A/CH Capacitive load: max. 1.7A/CH	45.5x45x20.3mm

Compatible Load Types					
Load Symbol	Load Type	Maximum Load	Remarks		
- ¥ -	LED lamps with transformers	390W/CH @ 230V 180W/CH @ 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	390W/CH @ 230V 180W/CH @ 110V	Maximum permitted number of drivers is 390W divided by driver nameplate power rating.		
-ऴ-	Incandescent lighting, HV Halogen lamps	1170W/CH @ 230V 560W/CH @ 110V			
	Low voltage halogen lighting with electronic transformers	390W/CH @ 230V 180W/CH @ 110V			

Over Current Protection

• When connecting resistive load and total load is over 8.1A, the relay will be forced to off and protected.

- 2-gang ZigBee in-wall switch based on latest ZigBee 3.0 protocol
- 100-240VAC wide input and output voltage
- Supports resistive loads and capacitive loads
- 2 channels output, max. load 5.1A/CH
- Input and output with screw terminals, safe and reliable
- Enables to control ON/OFF of connected load
- · ZigBee device with 2 endpoints which can be controlled separately
- ZigBee end device that supports Touchlink commissioning
- · Can directly pair to a compatible ZigBee remote via Touchlink without coordinator
- Supports self-forming zigbee network without coordinator and add other devices to the network
- Supports find and bind mode to bind a ZigBee remote
- Supports zigbee green power and can bind max. 20 zigbee green power switches
- Compatible with universal ZigBee gateway products
- Can be controlled by universal single wire push switch, 2 channels can be controlled separately by 2 switches
- Active power and energy metering functionality
- Mini Size, Easy to be installed into a standard 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.

ZigBee Clusters the device supports are as follows: Input Clusters

Ox0000: Basic • 0x0003: Identify • 0x0004: Groups • 0x0005: Scenes • 0x0006: On/off
Ox0702: Simple Metering • 0x0b04: Electrical Measurement • 0x0b05: Diagnostics
Output Clusters
Ox0019: OTA

Operation

1.Do wiring according to connection diagram correctly.

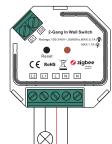
2.This ZigBee device is a wireless receiver that communicates with a variety of ZigBee compatible systems. This receiver receives and is controlled by wireless radio signals from the compatible ZigBee system.

3. Zigbee Network Pairing through Coordinator or Hub (Added to a Zigbee Network)

Step 1: Remove the device from previous zigbee network if it has already been added to, otherwise pairing will fail. Please refer to the part **"Factory Reset Manually"**.

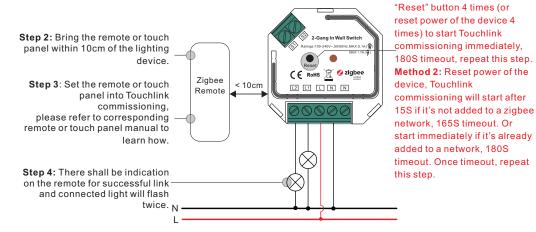
Step 2: From your ZigBee Controller or hub interface, choose to add lighting device and enter Pairing mode as instructed by the controller.

Step 4: Connected light will blink 5 times and then stay solid on, then the device will appear in your controller's menu and can be controlled through controller or hub interface.



Step 3: Reset power of the device to set it into network pairing mode (connected light flashes twice slowly), 15 seconds timeout, repeat this step.

4. TouchLink to a Zigbee Remote



Note: 1) Directly TouchLink (both not added to a ZigBee network), each device can link with 1 remote. 2) TouchLink after both added to a ZigBee network, each device can link with max. 30 remotes. 3) To control by both gateway & remote, add remote and device to network first then TouchLink. 4) After TouchLink, the device can be controlled by the linked remotes.

5. Removed from a Zigbee Network through Coordinator or Hub Interface

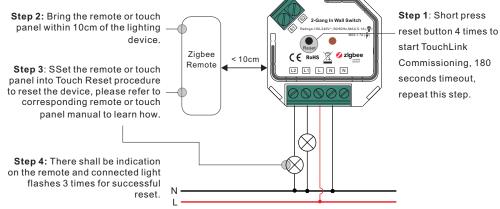


From your ZigBee controller or hub interface, choose to delete or reset the lighting device as instructed. The connected light blinks 3 times to indicate successful reset.

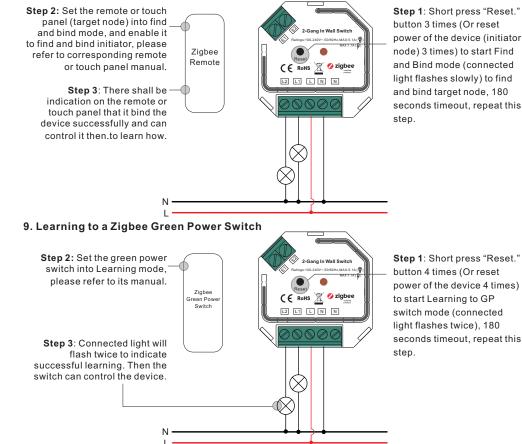
Step 1: Method 1: Short press

7. Factory Reset through a Zigbee Remote (Touch Reset)

Note: Make sure the device already added to a network, the remote added to the same one or not added to any network.



8. Find and Bind Mode Note: Make sure the device and remote already added to the same zigbee network.



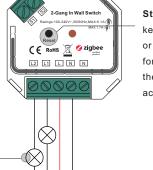
Note: Each device can learn to max. 20 zigbee green power switches.

6. Factory Reset Manually

Note: 1) If the device is already at factory default setting, there is no indication when factory reset again .

2) All configuration parameters will be reset after the device is reset or removed from the network.

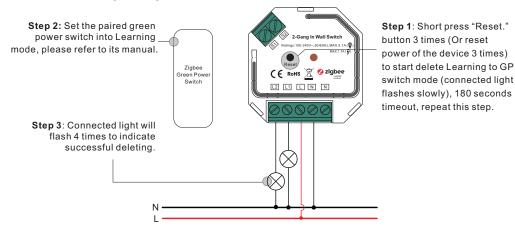
Step 2: Connected light will blink 3 times to indicate successful reset.



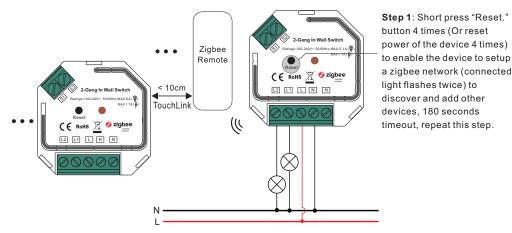
Step 1: Short press "Reset." key for 5 times continuously or reset power of the device for 5 times continuously if the "Reset" key is not accessible.

Step 1: Short press "Reset." button 4 times (Or reset power of the device 4 times) to start Learning to GP switch mode (connected light flashes twice), 180 seconds timeout, repeat this

10. Delete Learning to a Zigbee Green Power Switch



11. Setup a Zigbee Network & Add Other Devices to the Network (No Coordinator Required)



Step 2: Set another device or remote or touch panel into network pairing mode and pair to the network, refer to their manuals.

Step 3: Pair more devices and remotes to the network as you would like, refer to their manuals.

Step 4: Bind the added devices and remotes through Touchlink so that the devices can be controlled by the remotes, refer to their manuals.

Note: 1) Each added device can link and be controlled by max. 30 added remotes.

2) Each added remote can link and control max. 30 added devices.

12. OTA

The device supports firmware updating through OTA, and will acquire new firmware from zigbee controller or hub every 10 minutes automatically.

Notes for the diagrams: L - terminal for live lead N - terminal for neutral lead S1 - terminal for switch key No. 1 S2 - terminal for switch key No. 2

- L1 output terminal no. 1 for light load
- L2 output terminal no. 2 for light load

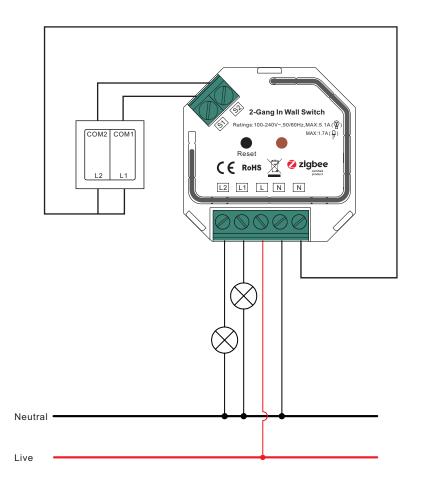
Supported Switch Types:

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

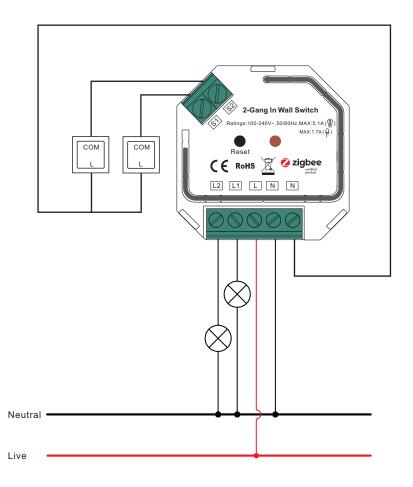
1. Push Switch (factory default setting)

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

1. With 1PC 2-Gang 1-Way Switch



Wiring Diagram



Product Dimension

