



MANUAL



ZIGBEE SWITCH MODULE RECEIVER ZBCMR-1800

CONTENTS

| | |
|----------------------------|---------|
| 1. Overview and features | Page 2. |
| 2. Diagrams | Page 3. |
| 3. Installation-wiring | Page 4. |
| 4. Pairing / Factory reset | Page 5. |
| 5. Operation | Page 7. |
| 6. LED & Output indication | Page 8. |
| 7. Specifications | Page 9. |

1. Overview and features

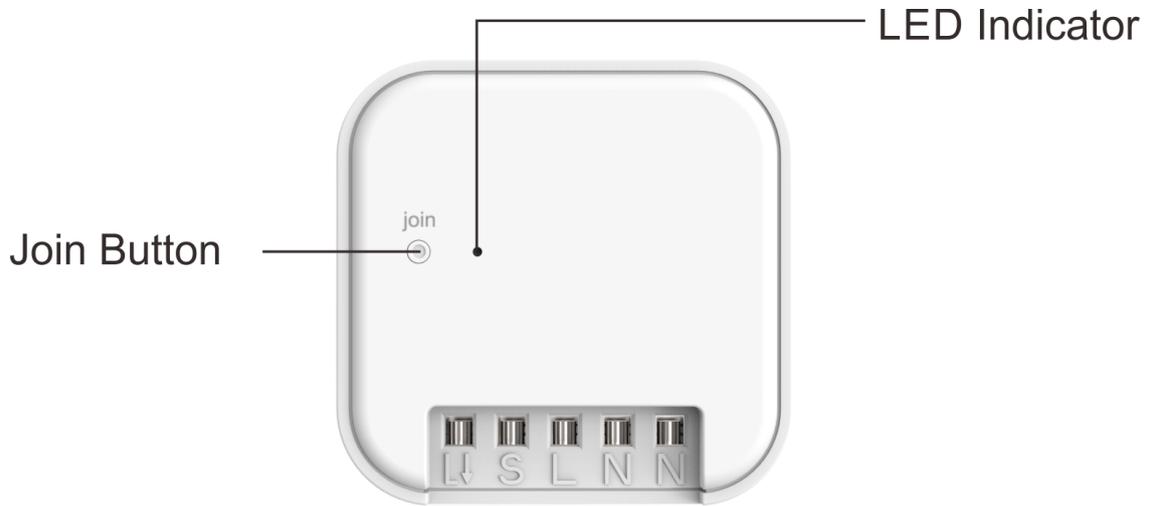
ZigBee ON/OFF module receiver, controlled by control panel app, wired wall switch or directly by ZigBee remote.

Main features;

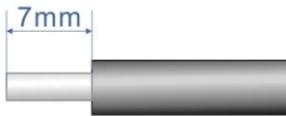
- ZigBee module based on latest ZigBee 3.0 protocol.
- Simple Join Mode application or TouchLink commissioning.
- Supports self-forming Zigbee network without coordinator.
- Compact in size, easy to be installed into a standard wall box.
- Use in conjunction with standard wired rocker wall switch.

2. Diagrams

Notes for the diagrams:



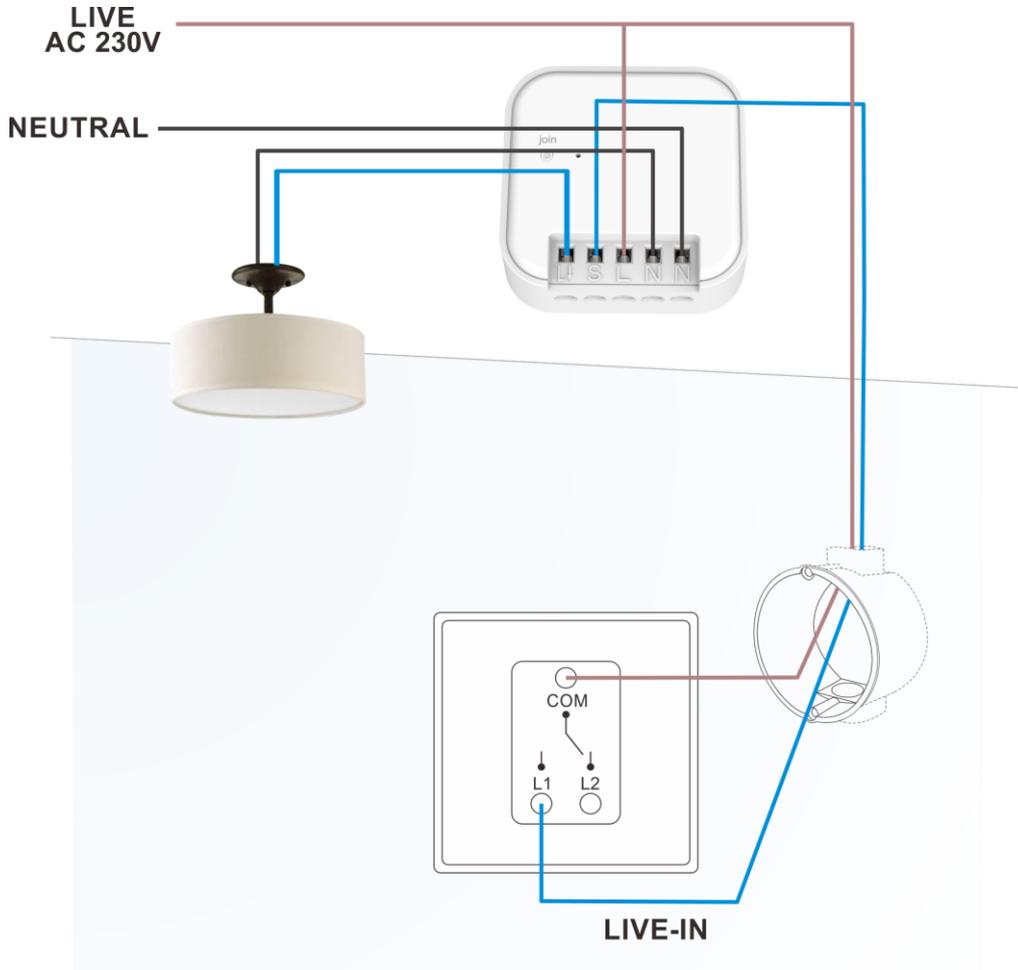
- Strip wires at least 7mm then connect the wires as per diagrams below, ensure terminals are properly tightened and no bare wire is visible.
- Suitable wire size for terminal is 1.6mm² to 2mm²



3. Installation – Wiring

Do wiring according to connection diagram correctly.

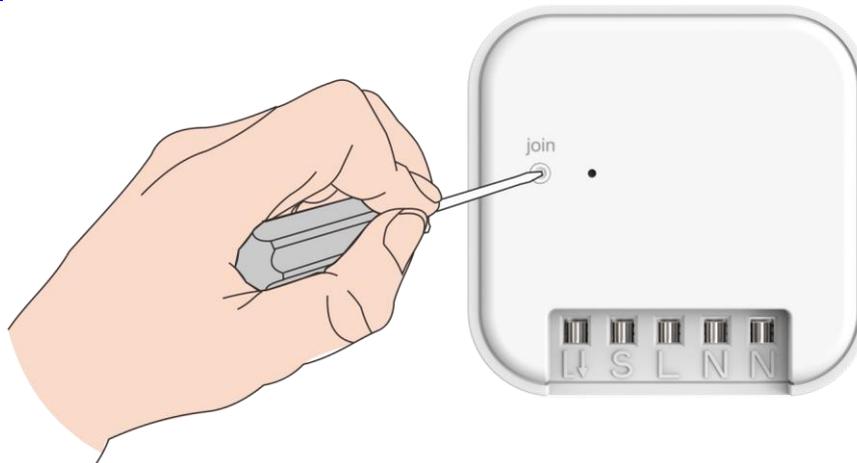
⚠ Cut off main power before installing and wiring.



1. Remove current Live-in AC 230V wire & Neutral-in AC 230V wires from the existing wall switch.
2. Connect Live-in AC 230V wire & Neutral-in AC 230V wires into module terminal 'L & N'.
3. Connect wire from module terminal 'S' into wall switch 'L1' terminal.
4. Connect Live-in AC 230V wire into wall switch 'Com' terminal.
5. Connect output into 'L1 & N' terminal.
6. Tighten terminal screw, tidy wires then install module into wall box making sure no bare wires are in front of the module receiver.
7. Connect back mains power supply.
8. Before installing the wall switch back onto the wall, please proceed to "Pairing" section.

4. Pairing / Factory Reset

PAIRING



2 Ways of pairing.

Join Mode - ZigBee Network Pairing through Coordinator or Hub

1. Remove the device from previous ZigBee network if it has already been added to, otherwise pairing will fail. (please refer to “Factory Reset Manually)
2. From your ZigBee Controller or hub interface, choose to add module receiver and enter Pairing mode as instructed by the controller.
3. Power ON module receiver, LED on module will flash red every 5 seconds, once connection is successful, connected output will flash twice to confirm.
4. Note that there is a 1 minute timeout, so to enter Join Mode again or manually exit Join Mode to Standby Mode simply press the ‘join’ button once.
5. Once module receiver is connected, it will appear in your controller’s menu and can be controlled through controller or hub interface.

TouchLink with a ZigBee Remote

1. Should not be in any network of Zigbee coordinator or hub.
2. With the module receiver in Standby Mode, bring the remote within 10cm of module receiver.
3. Set the remote into TouchLink commissioning, please refer to the corresponding remote manual to operate.
4. There shall be an indication on the remote for successful link and at the same time connected output will flash twice to confirm.

FACTORY RESET

Removing from a ZigBee Network through Coordinator or Hub Interface

1. From your ZigBee controller or hub interface, choose to delete or reset the module receiver as instructed.
2. Once successful reset, the connected output will flash twice to confirm.

Factory reset thru a ZigBee Remote (TouchLink Reset)

1. Power ON module receiver, bring the remote within 10cm of the module receiver.
2. Set the remote into TouchLink Reset procedure to reset the device, please refer to the corresponding remote manual to operate.
3. There shall be indication on the remote for successful reset and at the same time connected output will flash twice to confirm.

Factory reset from the Module Receiver

1. With the module receiver in Standby Mode, hold down 'join' button for 6 seconds, LED on module will quick flash in red.
2. Release button then short press 'join' button again.
3. LED on module will flash red and connected output will flash twice to confirm.
4. Module receiver will then return to Join Mode.

5. Operation

When turning ON and OFF the module the LED will flash.

1. Manual ON and OFF: Press the 'join' button once to turn ON or OFF.
(Make sure the module receiver already added to a network in order to manually turn ON and OFF)

2. Operate via control panel app with ON / OFF or define Scene Control.

3. Control ON / OFF with ZigBee remote control.

4. Control ON / OFF via wired wall switch.

*Please note, when operating ZigBee remote control in conjunction with a wired wall switch, the ON and OFF status on wired wall switch will feature as toggle control.

6. LED & Output Indication

| | Mode | LED Indication | Output Indication |
|---|---|---|---|
| 1 | Initial power ON before entering network, module will enter join mode. | LED on module will flash every 5 seconds Time out in 60 seconds | No indication |
| 2 | Network Successful Connection. | LED will light up approx. 2 seconds | ON→OFF→ON→OFF→ON (last status is ON) |
| 3 | Turning ON using: APP、Touchlink、external switch, and join button (in network). | | ON |
| 4 | Turning OFF using: APP、Touchlink、external switch, and join button (in network). | | OFF |
| 5 | Already in network then power ON module again. | | No indication |
| 6 | Remove from a network (touchlink、join、app). | | ON→OFF→ON→OFF (last status is OFF) |
| 7 | Factory New: 1. At standby mode, press and hold button >= 6 seconds 2. release button then within 12 second press button once | | 1. LED quick flash for approx. 12 Seconds 2. LED will light up approx. 2 seconds |
| 8 | TouchLink Commissioning: 1. During data exchange 2. After data exchanged confirm | 1. LED flash 0.5 seconds once 2. LED will light up approx. 2 seconds | 1. No indication 2. ON→OFF→ON→OFF→ON (last status is ON) |
| 9 | Dimming using: APP、Touchlink、external switch | No indication | Output to the corresponding dim level |

7. Specifications

| | |
|--------------------------|----------------------------|
| Input Rating: | 230V~50Hz |
| Output Rating: | 1800W Max. Resistive Load. |
| Radio Frequency: | 2.4GHz |
| Power consumption: | <1W |
| Environment Temperature: | 0-40 °C |
| Dimension (L x W x H) | 47 x 47 x 18mm |
| Weight: | 20 g |

NOTE

- When inserting module into back box make sure excess wires do not cover module's back side. This may reduce the performance of transmission.
- During standby mode, LED on module will not illuminate.