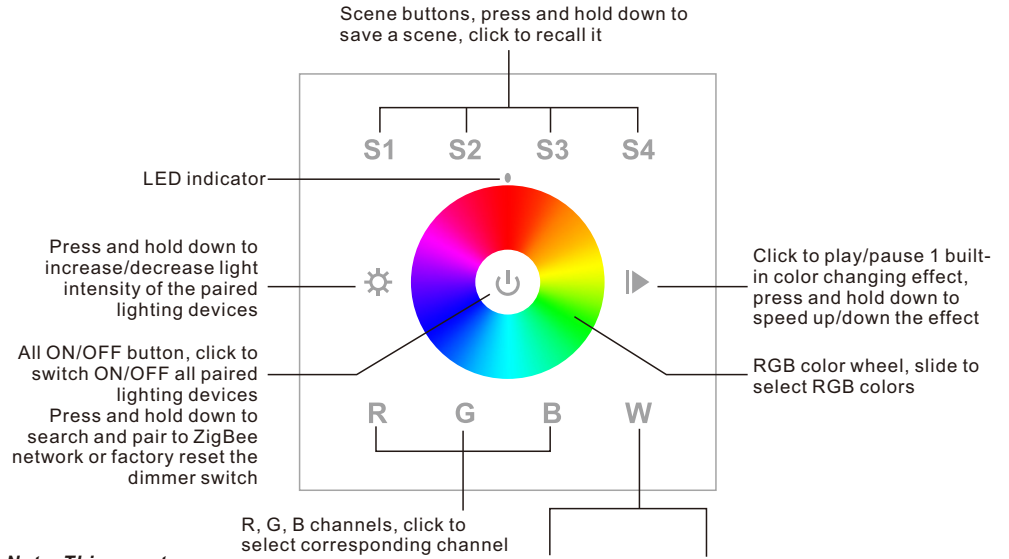
RGBW Wall Mounted Touch ZigBee Remote Controller

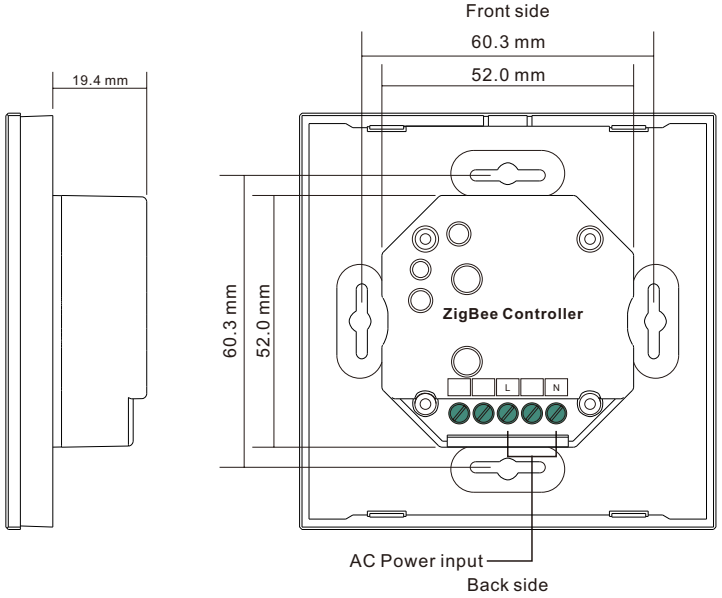
70100022

Important: *Read All Instructions Prior to Installation*

Function introduction



Note: This remote supports 1 group for binding max. 30 lighting devices and enables to save 4 scenes for each group.



Product Data

Protocol	ZigBee 3.0
Input Voltage	100-240VAC
Transmission Frequency	2.4GHz
Transmission Range (free field)	30m
Protection Type	IP20
Dimming Range	0.1%-100%
Dimensions	86x86x29.1mm

- ZigBee RGBW remote based on ZigBee 3.0
- Full touch glass interface, smooth RGB color and light intensity control
- Enables to pair ZigBee lighting devices via touchlink commissioning without coordinator
- Supports find and bind mode to pair with ZigBee lighting devices
- Supports 1 group for binding max. 30 lighting devices
- 2.4 GHz global operation
- Transmission range up to 30m
- Compatible with universal ZigBee Gateway products
- Compatible with universal RGBW, RGB+CCT ZigBee lighting devices

ZigBee Clusters Supported by This Remote Are As Follows:

Input clusters:

• Basic • Power Configuration • Identify • Diagnostics

Output clusters:

• Identify • Scenes • On/off • Level control • Color control • Ota

Safety & Warnings

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

Operation

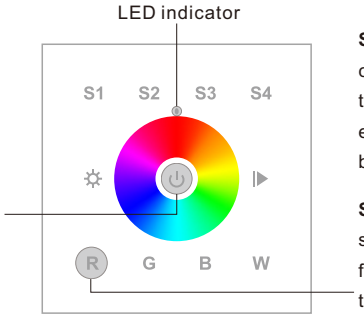
1.This ZigBee RGBW remote is a wireless transmitter that communicates with a variety of ZigBee compatible systems. This transmitter sends wireless radio signals that are used to remotely control a compatible system.

2.This ZigBee remote supports 1 group for binding max. 30 lighting devices and enables to control RGB ZigBee lighting devices.

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

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

Step 3: Press and hold down until LED indicator turns on.

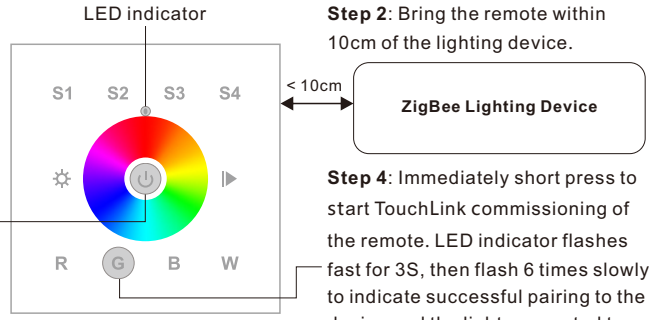


Step 2: From your zigbee controller or hub interface, choose to add device or accessory and enter Pairing mode as instructed by the controller.

Step 4: Immediately short press to search nearby network, indicator flashes every 1 second, 20 seconds timeout if there is no network. Indicator will then blink 5 times quickly for successful pairing.

Note: 1) After pairing successfully, the remote information will appear on the controller or hub interface.
2) No remote information will appear on the hub interface if pairing to some Zigbee hubs.

4. TouchLink to a Zigbee Lighting Device



Step 1: Set the zigbee lighting device to start TouchLink commissioning, please refer to its manual to learn how.

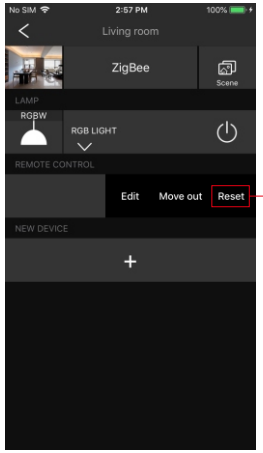
Step 2: Bring the remote within 10cm of the lighting device.

Step 3: Press and hold down until LED indicator turns on.

Step 4: Immediately short press to start TouchLink commissioning of the remote. LED indicator flashes fast for 3S, then flash 6 times slowly to indicate successful pairing to the device and the light connected to the device will blink twice.

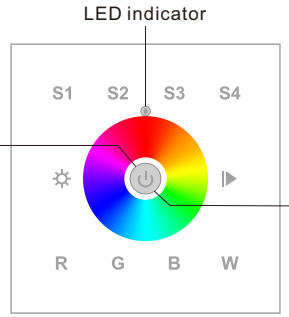
Note: 1) Directly TouchLink (both not added to a ZigBee network), each remote can link with 30 devices.
2) TouchLink after both added to a ZigBee network, each remote can link with max. 30 devices.
3) To control by both zigbee hub and remote, add remote and device to network then TouchLink.
4) After TouchLink, the remote can control the linked lighting devices.

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



From your ZigBee controller or hub interface, choose to delete or reset the remote as instructed, indicator flashes 3 times quickly to indicate successful removing.

6. Factory Reset Manually

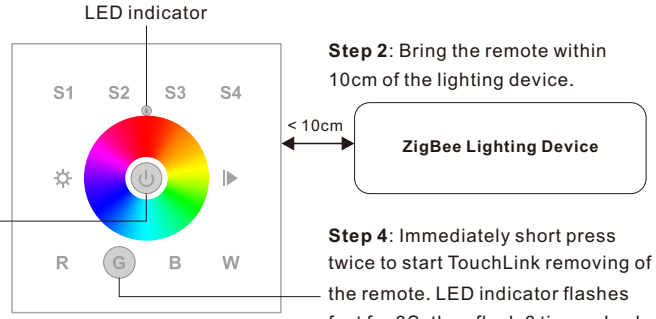


Step 1: Press and hold down until LED indicator turns on.

Note: All configuration parameters will be reset after the remote is reset or removed from the network.

Step 2: Immediately short press 5 times continuously, indicator flashes 3 times quickly to indicate successful reset.

7. Remove a Touchlink Paired ZigBee Lighting Device



Step 1: Set the Touchlink paired zigbee device to start TouchLink commissioning, please refer to its manual to learn how.

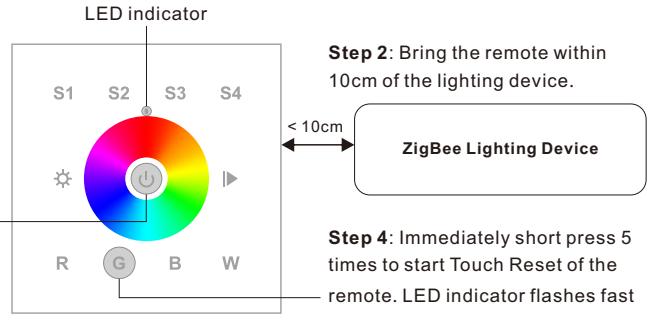
Step 2: Bring the remote within 10cm of the lighting device.

Step 3: Press and hold down until LED indicator turns on.

Step 4: Immediately short press twice to start TouchLink removing of the remote. LED indicator flashes fast for 3S, then flash 6 times slowly to indicate successful removing.

8. Factory Reset a Lighting Device (Touch Reset)

Note: the device shall be added to a network, the remote added to the same one or not added to any network.



Step 1: Set the zigbee device to start TouchLink commissioning, refer to its manual.

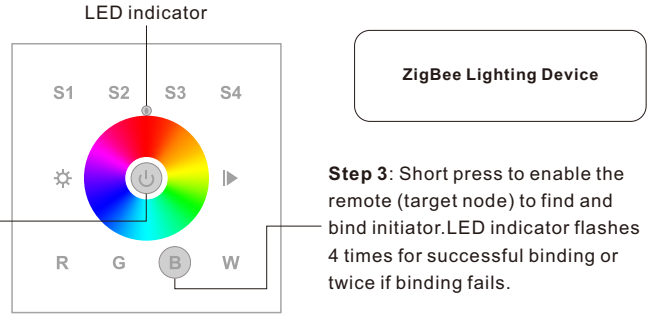
Step 2: Bring the remote within 10cm of the lighting device.

Step 3: Press and hold down until LED indicator turns on.

Step 4: Immediately short press 5 times to start Touch Reset of the remote. LED indicator flashes fast for 3S, then flash 3 times slowly to indicate successful reset.

9. Find and Bind a Zigbee Lighting Device

Note: Make sure the device and remote already added to the same zigbee network.



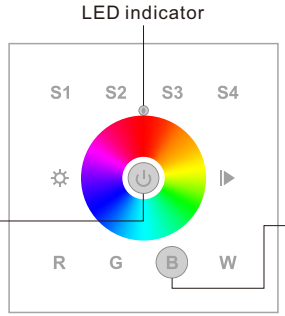
Step 1: Start find and bind mode on the Zigbee lighting device (initiator node) and enable it to find and bind target, refer to its manual.

Step 2: Press and hold down until LED indicator turns on.

Step 3: Short press to enable the remote (target node) to find and bind initiator.LED indicator flashes 4 times for successful binding or twice if binding fails.

Note: Each remote can bind max. 30 lighting devices.

10. Find and Unbind a Zigbee Lighting Device



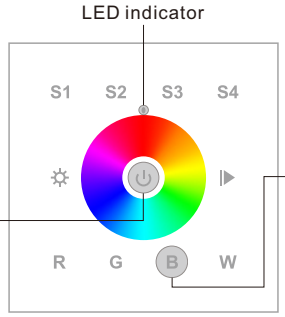
Step 1: Start find and bind mode on the Zigbee lighting device (initiator node) and enable it to find and bind target, refer to its manual.

Step 2: Press and hold down until LED indicator turns on.

ZigBee Lighting Device

Step 3: Short press twice to enable the remote (target node) to find and unbind initiator. LED indicator flashes 4 times for successful unbinding or twice if unbinding fails.

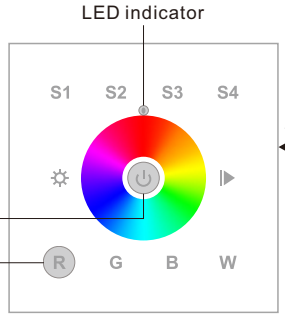
11. Clear All Find and Bind Mode Paired Lighting Devices



Step 1: Press and hold down until LED indicator turns on.

Step 2: Short press 5 times continuously to clear all bound lighting devices . LED indicator flashes 4 times for successful unbinding.

12. Setup a Network & Add Devices to the Network (No Coordinator or Hub Required)



Step 1: Factory reset the remote and the lighting device, refer to their manuals.

Step 3: Press and hold down until LED indicator turns on.

Step 4: Short press button to enable the network to discover and add devices, LED indicator will flash twice. 180 seconds timeout, repeat the operation.

Step 2: TouchLink the remote and device to setup a network, refer to their manuals.

< 10cm

ZigBee Lighting Device

Step 5: Set another remote into network pairing mode and pair it to the network, refer to its manual.

Step 6: Add more remotes to the network as you would like.

Step 7: Factory reset the lighting devices that you would like then add them to the network, refer to their manuals.

Step 8: Touchlink to pair the added remotes and lighting devices, refer to their manuals. Each remote can link with max. 30 lighting devices. Each lighting device can be linked by max. 30 remotes.

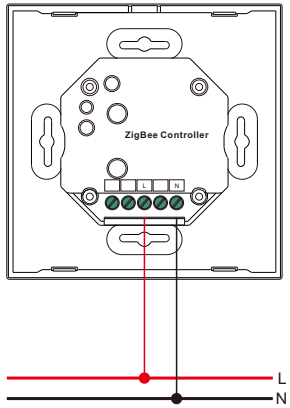
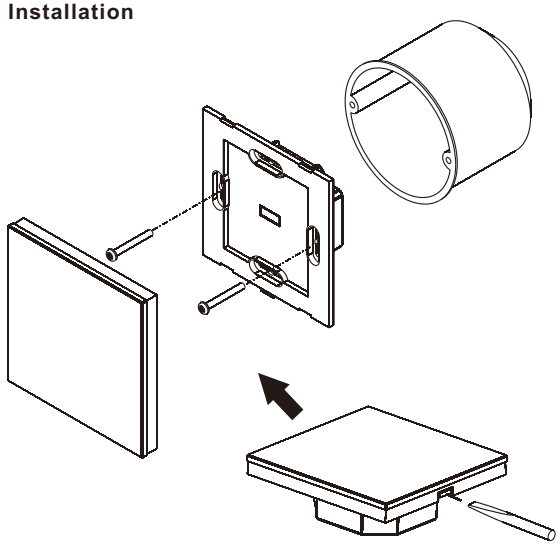
13. OTA

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

14. How to Check Whether the Remote Belongs to a Network or not

Short press any other buttons except group buttons, indicator blinking means the remote has already been added to a network, no blinking of indicator means the remote does not belong to any network.

Wiring diagram



Installation