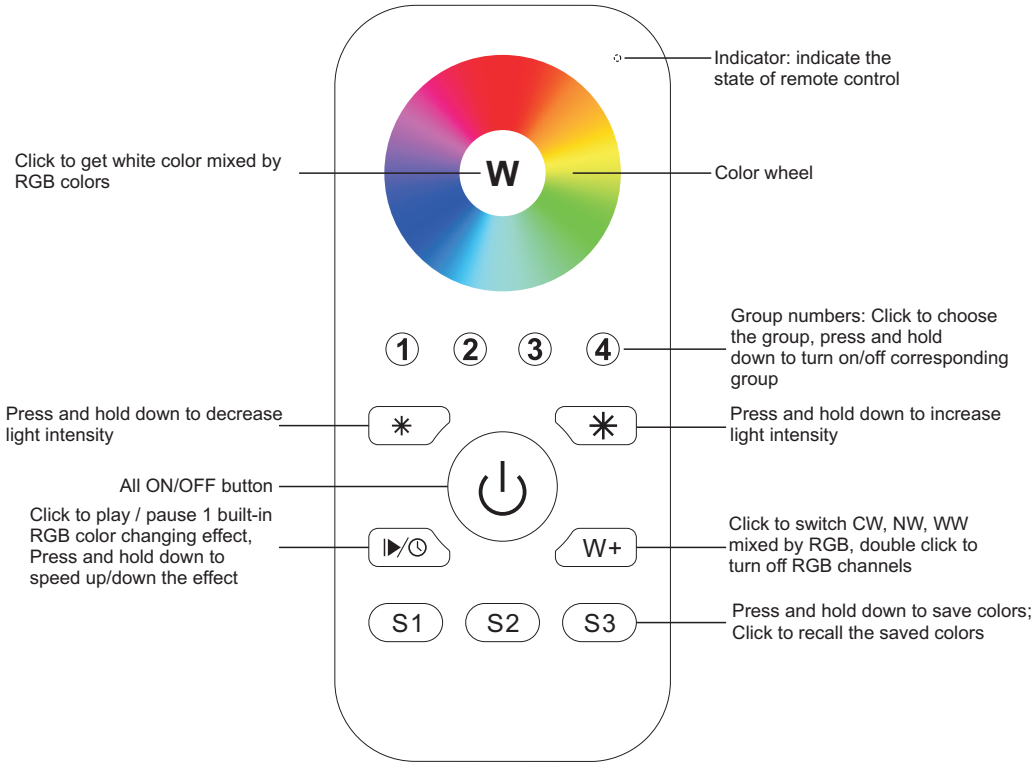
# ZigBee RGB Remote

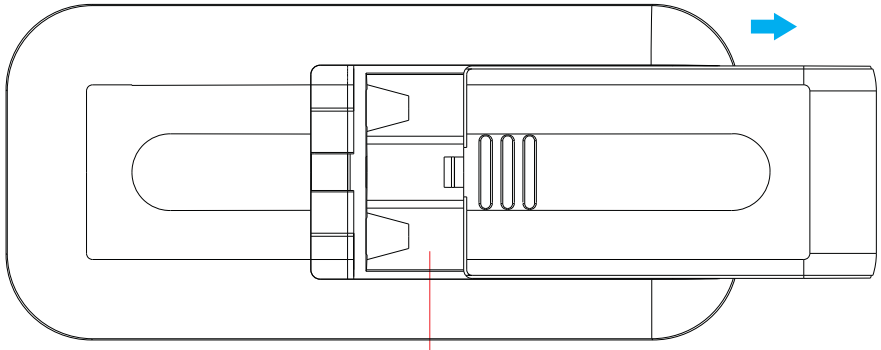
09.ZG2819S.04841

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

**Function introduction**



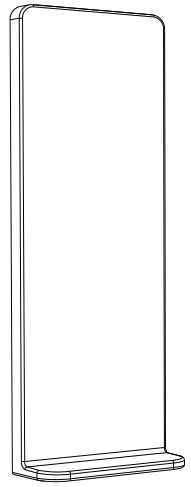

Front side




Bottom side

## Product Data

| | |
|---|---|
| Protocol | ZigBee 3.0 |
| Operation Voltage | 4.5V(3xAAA battery) |
| Transmission Frequency | 2.4GHz |
| Transmission Range (free field) | 30m |
| Protection Type | IP20 |
| Dimming Range | 0.1%-100% |
| Dimension | 120x55x17mm |
| Protection Grade | IP20 |



Magnetic Bracket

- ZigBee RGB remote based on ZigBee 3.0
- Enables to control RGB lighting devices
- High sensitive & high stable touch color wheel, fast & precise color control
- Battery powered remote with low power consumption
- Enables to pair ZigBee lighting devices through touchlink commissioning
- Supports find and bind mode to pair with ZigBee lighting devices
- Supports 4 groups 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 RGB ZigBee lighting devices

**ZigBee Clusters Supported by This Remote Are As Follows:**

**Input clusters:**

- Basic
- Power Configuration
- Identify
- Diagnostics

**Output clusters:**

- Identify
- Group
- Scene
- On/off
- Level control
- Ota
- Color control

## Safety & Warnings

- This device contains AAA batteries that shall be stored and disposed properly.
- DO NOT expose the device to moisture.

## Operation

**1.This ZigBee RGB 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 4 groups 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 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.



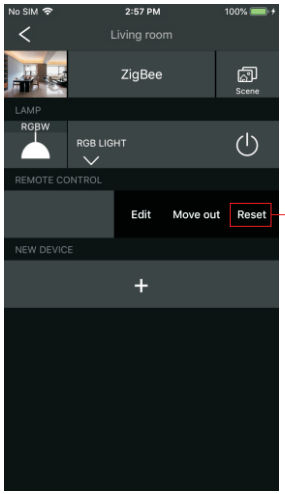

LED indicator

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

**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 Philips Hue Bridge.**

## 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.




LED indicator

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

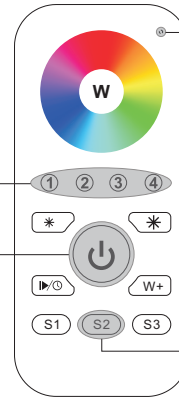
**Step 2:** Immediately short press 5 times continuously, indicator flashes 3 times quickly to indicate successful reset.

## 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 3**: Short press any button to choose a group to touchlink.

**Step 4**: Press and hold down until LED indicator turns on.




LED indicator

< 10cm

ZigBee Lighting Device

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

**Step 5**: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.

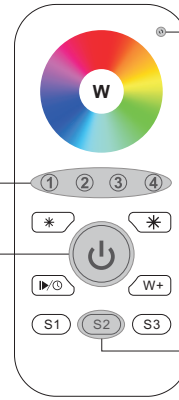
**Note: 1) Directly TouchLink (both not added to a ZigBee network), each remote can link with 30 devices.**
**2) TouchLink after both added to a ZigBee network, each remote can link with max. 30 devices.**
**3) For Hue Bridge & Amazon Echo Plus, add remote and device to network first then TouchLink.**
**4) After TouchLink, the remote can control the linked lighting devices.**

## 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 3**: Short press the group button that the device was linked to.

**Step 4**: Press and hold down until LED indicator turns on.




LED indicator

< 10cm

ZigBee Lighting Device

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

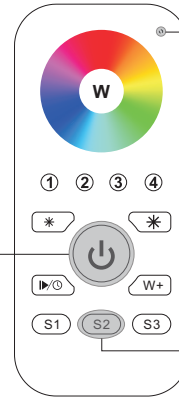
**Step 5**: Immediately short press twice to start TouchLink removing of the remote. LED indicator flashes fast for 3S, then flash 6 times slowly to indicate successful removing.

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




LED indicator

< 10cm

ZigBee Lighting Device

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

**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

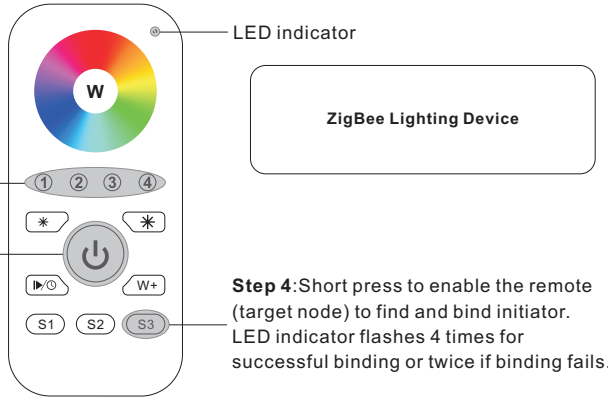
**Note: Make sure the device and remote already added to the same zigbee network.**

**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**: Short press a group button that you would like to bind the device to.

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

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



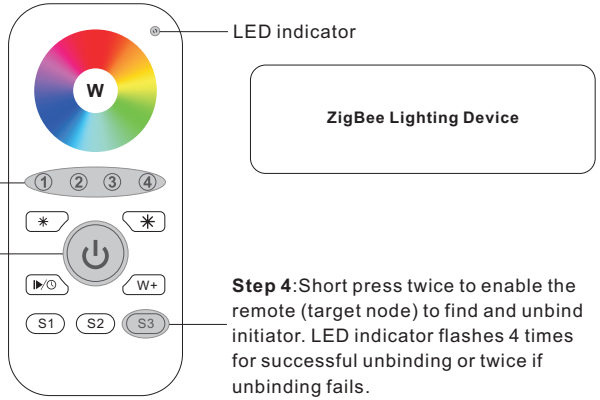

**Step 4**:Short press to enable the remote (target node) to find and bind initiator. LED indicator flashes 4 times for successful binding or twice if binding fails.

## 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 unbind target, refer to its manual.

**Step 2**: Short press the group button that the device already bound to.

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

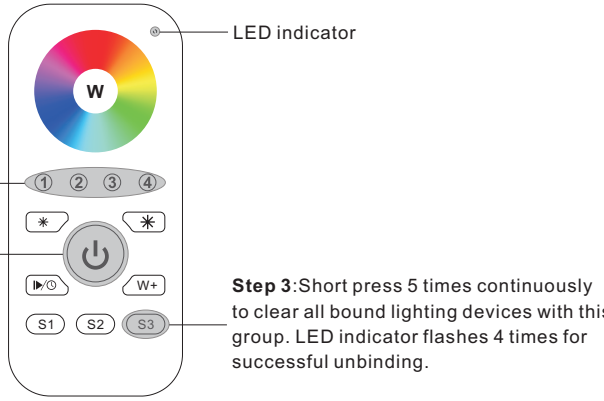



**Step 4**:Short press twice to enable the remote (target node) to find and unbind initiator. LED indicator flashes 4 times for successful unbinding or twice if unbinding fails.

## 11. Clear All Find and Bind Mode Paired Lighting Devices of a Group

**Step 1**: Short press to choose the group that you would like to unbind all devices.

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



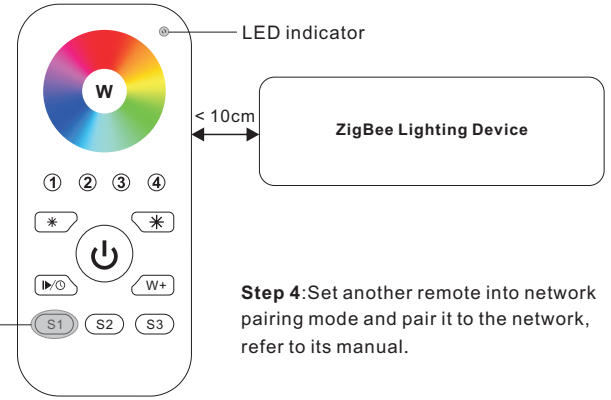

**Step 3**:Short press 5 times continuously to clear all bound lighting devices with this group. LED indicator flashes 4 times for successful unbinding.

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

**Step 3**: Short press button S1 to enable the network to discover and add devices, LED indicator will flash twice. 180 seconds timeout, repeat the operation.




**Step 4**:Set another remote into network pairing mode and pair it to the network, refer to its manual.

**Step 5**: Add more remotes to the network as you would like.

**Step 6**: Factory reset the lighting devices that you would like to add to the network, refer to their manuals.

**Step 7**: Touchlink to pair the added remotes and lighting devices you would like to add, the devices will be added to the network through Touchlink, refer to their manuals.

## 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

Activate the remote by clicking All On/Off button (indicator on), then short press any other buttons except group buttons, indicator blinking 3 times means the remote does not belong to any network, blinking once or twice means it has already been added to a network.

## 15. Battery Power Monitor Function

**The remote will report battery power value to the coordinator under following situations:**

- When powered on.
- When short pressing both S2 and S3 buttons simultaneously.
- When operating the switch to send data packets (over 4 hours since last operation).
- When added to the network by a coordinator.