Single Color Wall Mounted ZigBee Remote Controller
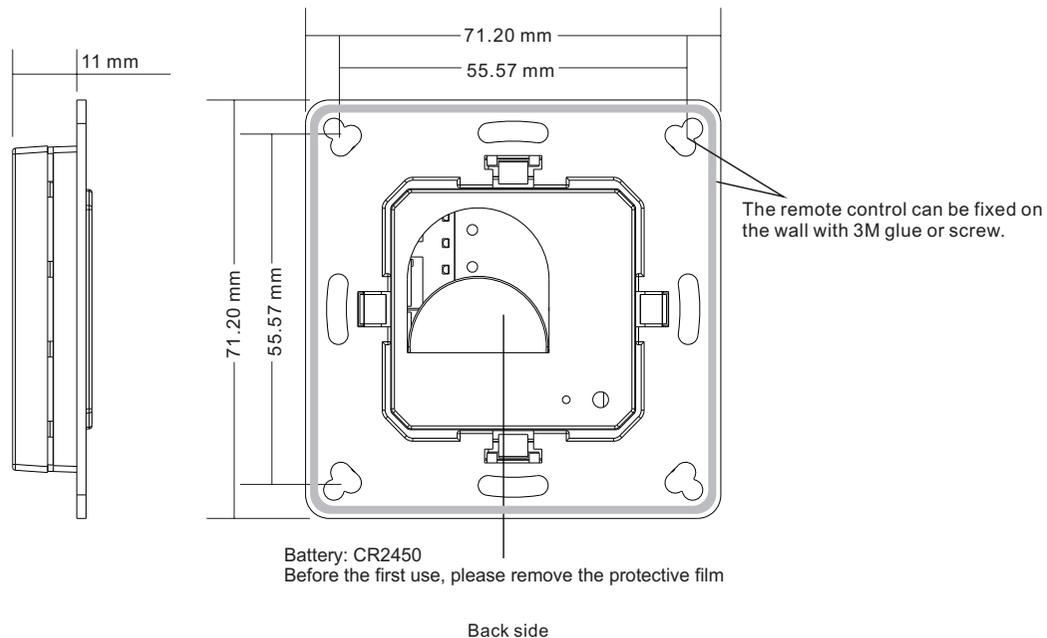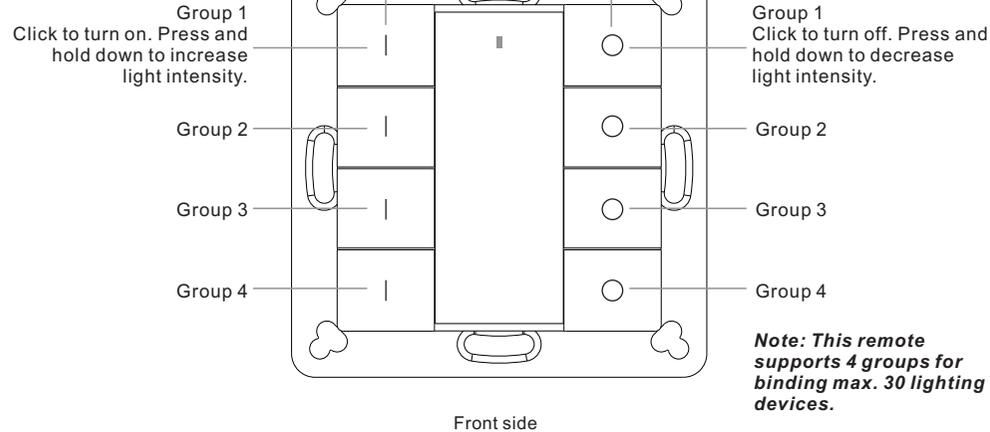
09.ZGK8D.04839

CE FC RoHS COMPLIANT zigbee certified product

Important: Read All Instructions Prior to Installation

Function introduction

Press and hold down both keys together to search and pair to ZigBee network or factory reset the controller.

Group 1
Click to turn on. Press and hold down to increase light intensity.

Group 2

Group 3

Group 4

Group 1
Click to turn off. Press and hold down to decrease light intensity.

Group 2

Group 3

Group 4

Note: This remote supports 4 groups for binding max. 30 lighting devices.

Front side

11 mm

71.20 mm
55.57 mm

71.20 mm
55.57 mm

The remote control can be fixed on the wall with 3M glue or screw.

Battery: CR2450
Before the first use, please remove the protective film

Back side

Product Data

Operation Frequency	2.4GHz
Transmission Range (free field)	30m
Power Supply	3VDC (CR2450)
Operating temperature	0-40°C
Relative humidity	8% to 80%
Dimming Range	0.1%-100%
Dimensions	71.2x71.2x13.6mm
Protection Type	IP20

• ZigBee dim remote based on ZigBee 3.0

• Enables to control both single color lighting devices

• Battery powered remote with low power consumption

• Enables to pair ZigBee lighting devices via touchlink commissioning without coordinator

• 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 single color ZigBee lighting devices

ZigBee Clusters Supported by This Remote Are As Follows:

Input clusters:

• Basic   • Power Configuration   • Identify   • Diagnostics

Output clusters:

• Identify   • Group   • On/off   • Level control   • Ota

Safety & Warnings

• This device contains a button lithium battery that shall be stored and disposed properly.
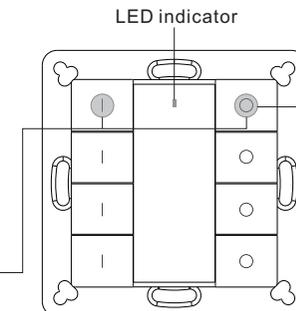• DO NOT expose the device to moisture.

Operation

1.This ZigBee Dim 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 single color ZigBee lighting devices.

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

LED indicator

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".
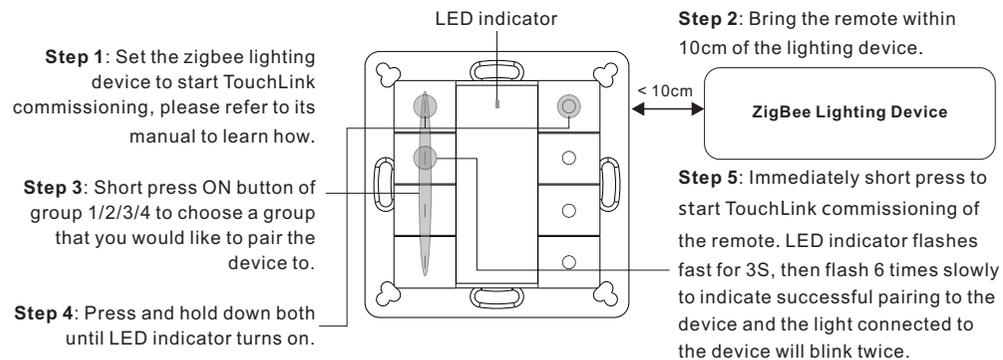

Step 2: From your zigbee controller or hub interface, choose to add device or accessory and enter Pairing mode as instructed by the controller.

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

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.
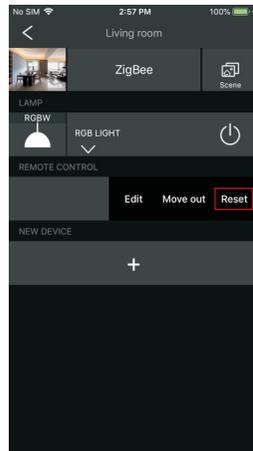
2) No remote information will appear on the hub interface if pairing to Philips Hue Bridge.

4. TouchLink to a Zigbee Lighting Device

LED indicator

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.

< 10cm

ZigBee Lighting Device

Step 3: Short press ON button of group 1/2/3/4 to choose a group that you would like to pair the device to.

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.

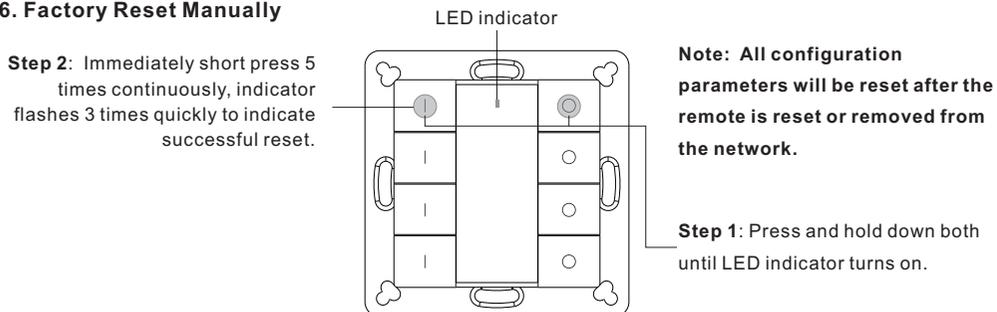**Step 4**: Press and hold down both until LED indicator turns on.

Note: 1) Directly TouchLink (both not added to a ZigBee network), please first factory reset both the remote and device, each remote can link with max. 30 devices, please make sure the first linked device is always powered on when touchlink the remote with 2nd device and more devices.
2) TouchLink after both added to a ZigBee network, each device can link with max. 30 remotes.
3) To control by both remote and hub, add both remote and device to network first then TouchLink, after TouchLink, the device can be controlled by the linked remotes and Zigbee hub together.

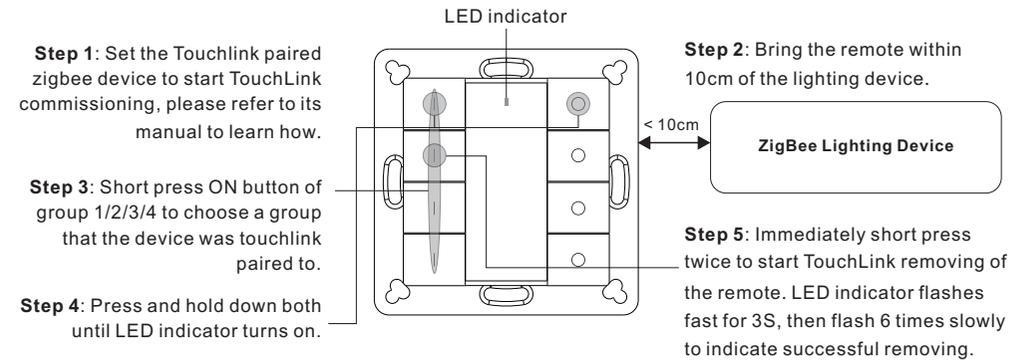## 5. Removed from a Zigbee Network through Coordinator or Hub Interface

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.
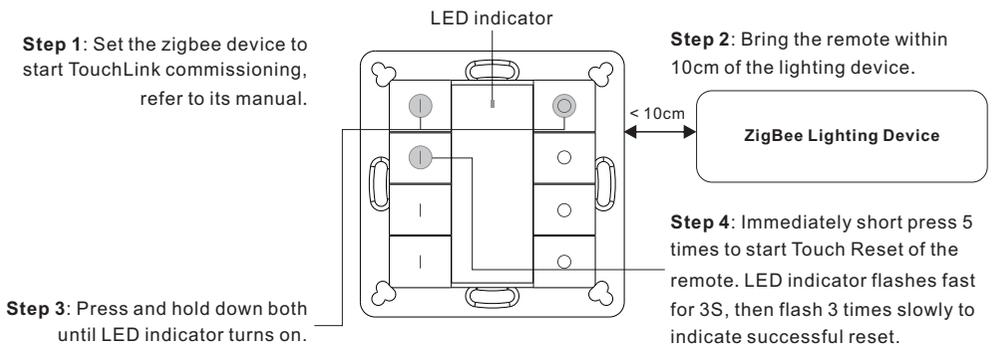
6. Factory Reset Manually

LED indicator

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

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

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

7. Remove a Touchlink Paired ZigBee Lighting Device

LED indicator

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.

< 10cm

ZigBee Lighting Device

Step 3: Short press ON button of group 1/2/3/4 to choose a group that the device was touchlink paired to.

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.

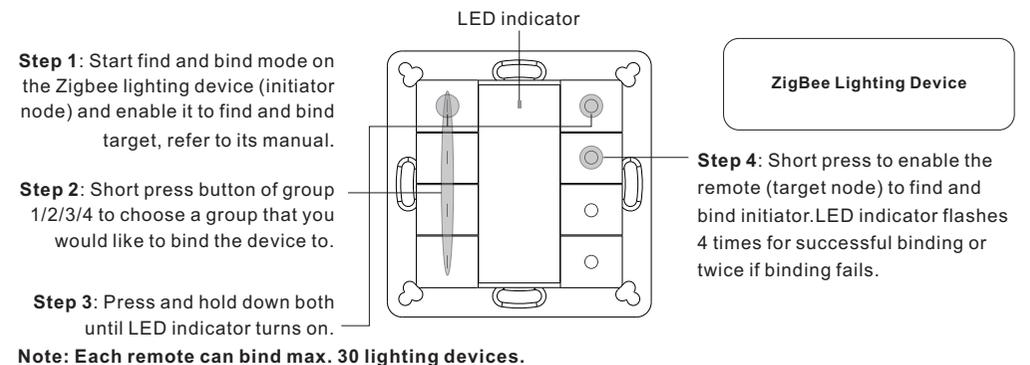**Step 4**: Press and hold down both until LED indicator turns on.

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.

LED indicator

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.

< 10cm

ZigBee 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.

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

9. Find and Bind a Zigbee Lighting Device

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

LED indicator

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.

ZigBee Lighting Device

Step 2: Short press button of group 1/2/3/4 to choose a group that you would like to bind the device to.

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.

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

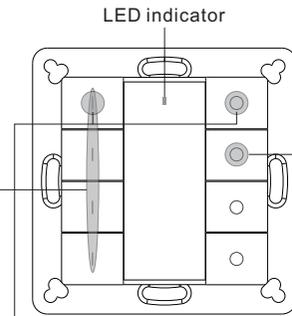**Note: Each remote can bind max. 30 lighting devices.**

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: Short press button of group 1/2/3/4 to choose the group that the device already bound to.

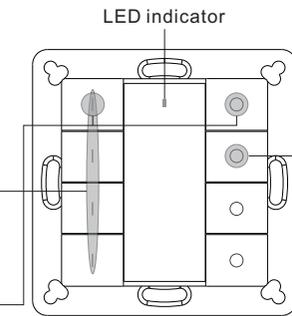**Step 3**: Press and hold down both until LED indicator turns on.

LED indicator

ZigBee Lighting Device

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

LED indicator

Step 1: Short press button of group 1/2/3/4 to choose the group that you would like to unbind all devices.

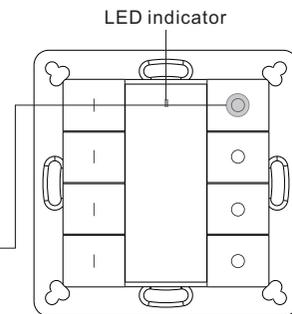**Step 2**: Press and hold down both until LED indicator turns on.

Step 3: 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)

LED indicator

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

Step 3: 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 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

Short press any button, 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.

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 │ and ◯ buttons of group 2 simultaneously.

• When operating the switch to send data packets (over 4 hours since last operation).

• When added to the network by a coordinator.

Mounting

The key part of this controller is an universal one, especially rotary standard switch element that can be integrated in numerous frames by different manufactures as below list:

BEKER	S1, B1, B3, B7 glass
GIRA	Standard55, E2, Event, Esprit
JUNG	A500, Aplus
MERTEN	M-smart, M-Arc, M-Plan