

# Namron ZigBee 1 kanal bryter K2 sort

09.ZGK2D.04837

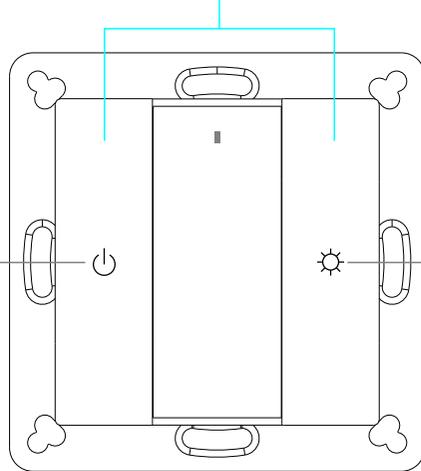


Important: Read All Instructions Prior to Installation

## Function introduction

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

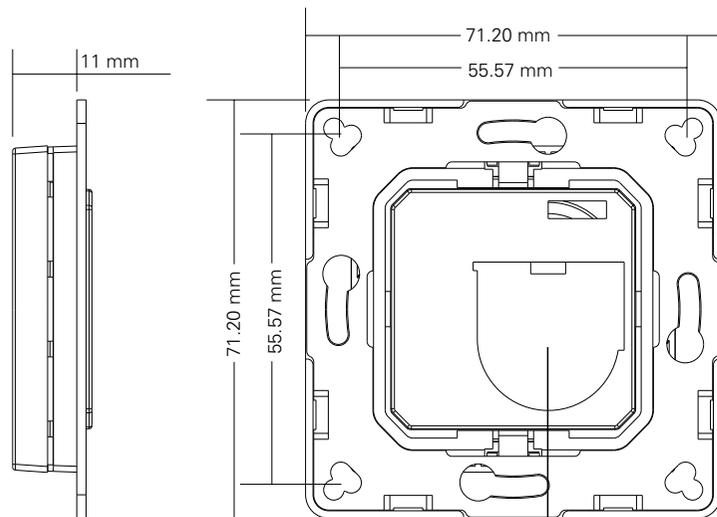
Click to turn on/off the paired lighting devices



Press and hold down to decrease/increase light intensity of the paired lighting devices

Note: This switch supports 1 group for binding max. 30 lighting devices.

Front side



Battery: CR2450  
Before the first use, please open the battery cover and remove the protective film

Back side

## Product Data

Protocol	ZigBee 3.0
Operation Voltage	3VDC (CR2450)
Transmission Frequency	2.4GHz
Transmission Range (free field)	30m
Protection Type	IP20
Dimming Range	0.1%-100%
Dimensions	71.2x71.2x13.6mm

- ZigBee dimmer switch based on ZigBee 3.0
- Enables to pair ZigBee lighting devices via touchlink commissioning without coordinator
- Supports find and bind mode to pair with ZigBee lighting devices in the same network
- Supports 1 group for binding max. 30 lighting devices
- 2.4 GHz global operation
- Long battery life mesh technology
- Transmission range up to 30m
- Compatible with universal ZigBee Gateway products
- Compatible with universal single color ZigBee lighting devices
- Compatible with universal ZigBee dimmable lighting devices

ZigBee Clusters Supported by This Remote Are As Follows:

Input clusters:

- Basic
- Power Configuration
- Identify
- Diagnostics

Output clusters:

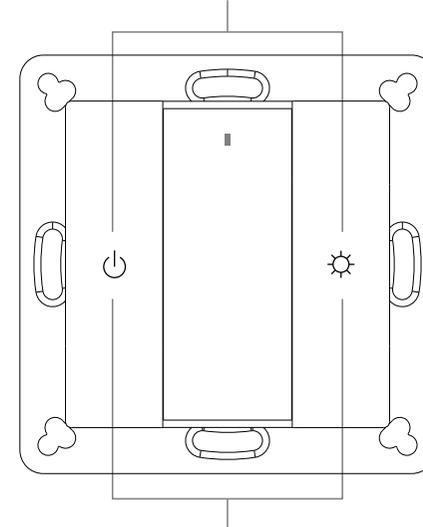
- Identify
- On/off
- Level control
- Ota

## Safety & Warnings

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

Quick Start (Simplified operations compared to standard operations in the part "Operation")

Network pairing mode: click both buttons 3 times (the remote should not belong to any gateway network).



Factory reset: click both buttons 3 times (the remote should already be paired to a gateway).

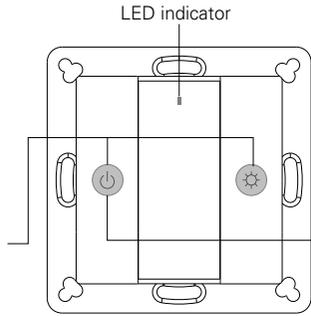
## Operation

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 1 group 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)

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 both 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.

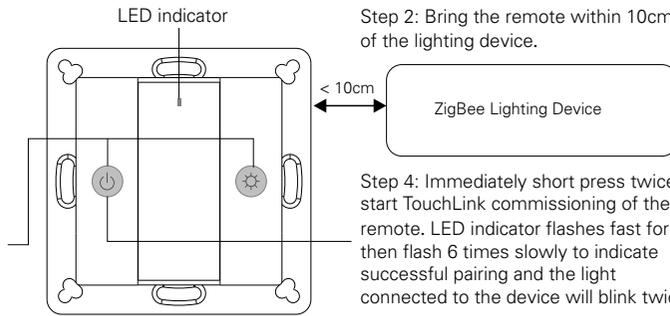
Step 4: Immediately short press to search nearby network, indicator flashes every 1 second, 20 seconds timeout if there is no network. Indicator will then blink 5 times quickly for successful pairing.

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 Philips Hue Bridge.

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

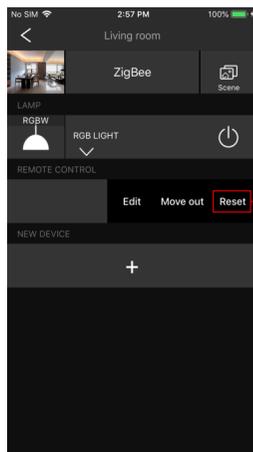


Step 2: Bring the remote within 10cm of the lighting device.

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

### 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.

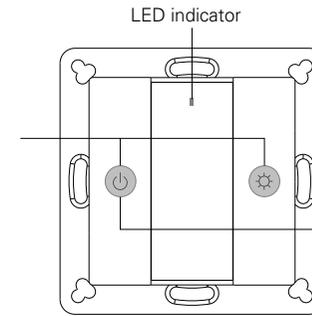
### 6. Factory Reset Manually

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

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



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

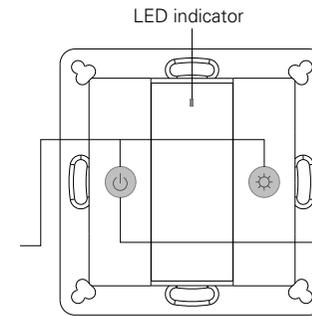
Step 2: Immediately short press 5 times continuously, indicator flashes 3 times quickly to indicate successful reset.

### 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 both until LED indicator turns on.



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

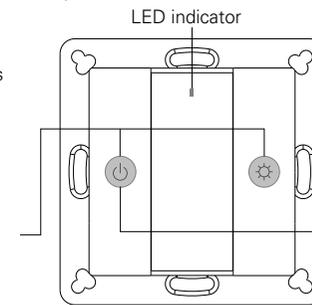
Step 4: Immediately short press 3 times to start TouchLink removing of the remote. LED indicator flashes fast for 3S, then flash 6 times slowly to indicate successful removing.

### 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 both until LED indicator turns on.



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

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

ZigBee Lighting Device

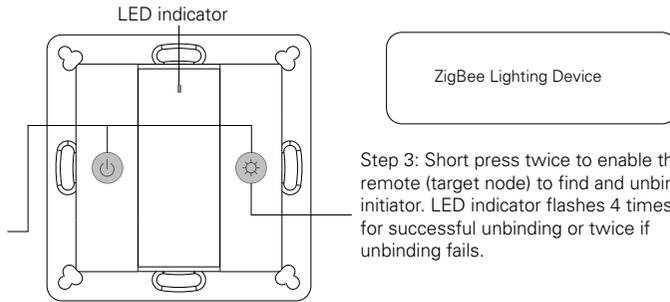
Step 3: Short press to enable the remote (target node) to find and bind initiator. LED indicator flashes 4 times for successful binding or twice if binding fails.

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.

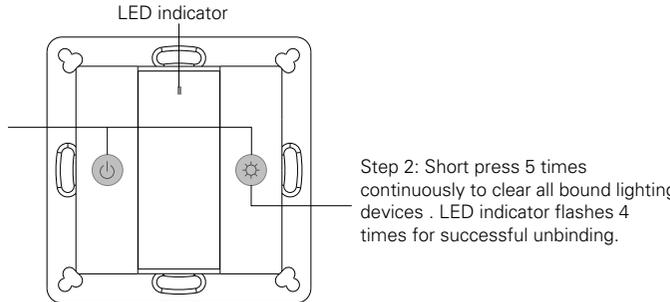
Step 2: Press and hold down both until LED indicator turns on.



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 both until LED indicator turns on.

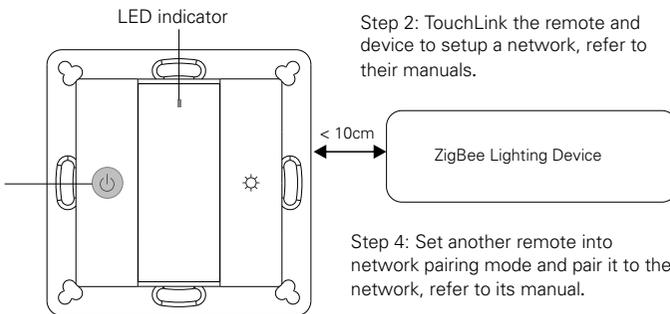


Step 2: Short press 5 times continuously to clear all bound lighting devices. LED indicator flashes 4 times for successful unbinding.

## 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: 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.

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.

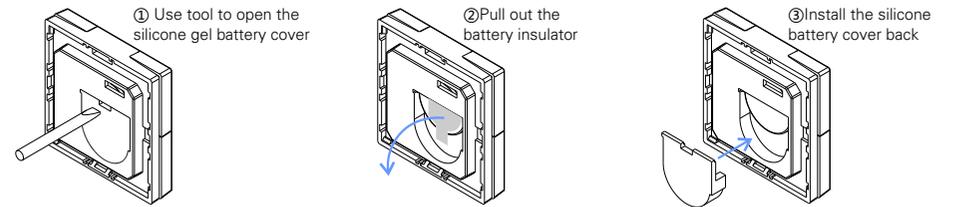
## 15. Battery Power Monitor Function

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

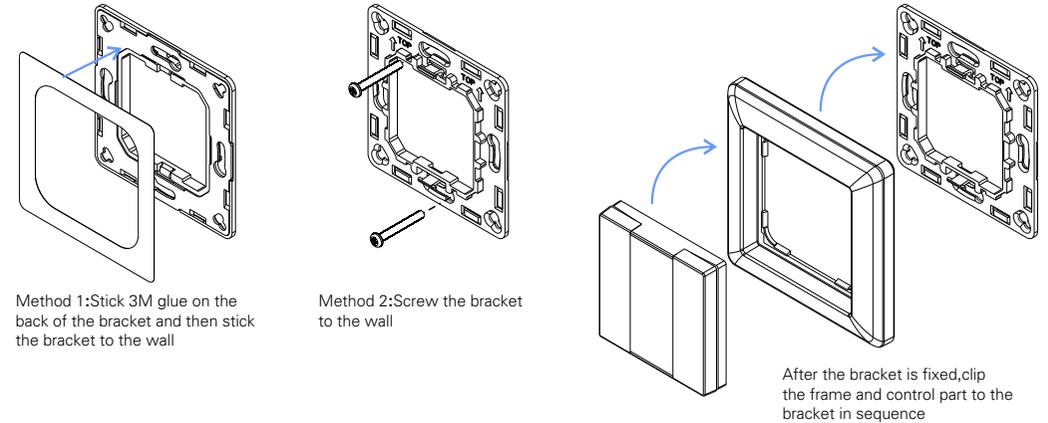
- When powered on.
- When short pressing both  and  buttons simultaneously.
- When operating the switch to send data packets (over 4 hours since last operation).
- When added to the network by a coordinator.

## Installation

### 1. Remove battery insulator



### 2. Install the controller to wall (2 methods)



## 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

Importer:  
Namron AS  
Nedre kalbakkvei 88B  
1081 Oslo  
Norway

Made in China