

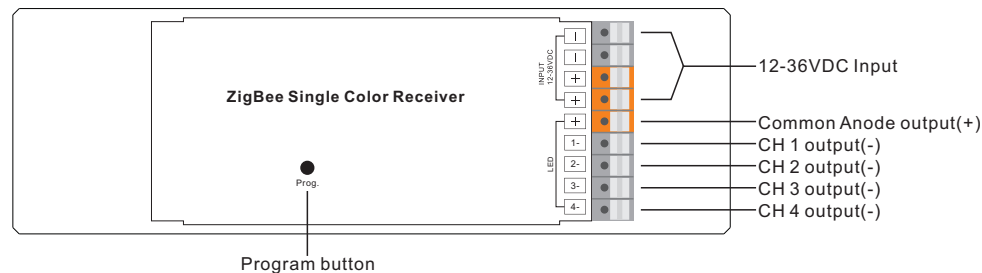
ZigBee LED Dimming Light Device

09.ZG1FD.04280



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

No.	Input Voltage	Output Current	Output Power	Output Type	Dimension (LxWxH)
1	12-36VDC	4CH, 5A/CH	240-720W	Constant voltage	170x53.4x28mm
2	12-36VDC	4CH, 0.35A/CH	16.8-50.4W	Constant current	170x53.4x28mm
3	12-36VDC	4CH, 0.7A/CH	33.6-100.8W	Constant current	170x53.4x28mm

- ZigBee LED dimming light device based on latest ZigBee 3.0 protocol
- Enables to control ON/OFF and light intensity of connected LED lights
- ZigBee end device that supports Touchlink commissioning
- Can directly pair to a compatible ZigBee remote via Touchlink without coordinator
- Supports find and bind mode to bind a ZigBee remote directly without coordinator
- Compatible with universal ZigBee gateway products
- Compatible with universal single color ZigBee remotes
- Waterproof grade: IP20

Safety & Warnings

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

Operation

1. Do wiring according to connection diagram correctly.

2. This ZigBee device is a wireless receiver that communicates with a variety of ZigBee compatible systems. This receiver receives and is controlled by wireless radio signals from the compatible ZigBee system.

3. Zigbee Network Pairing Through Coordinator (Add to ZigBee Network)

- 1) By factory default, the device does not belong to any ZigBee Network, and the connected LED light will be under a slow rhythm breath status.
- 2) Before Pairing to current ZigBee Network, please remove the device from previous Network that it was

paired to if any. (from your ZigBee Controller or hub interface or by manual)

- 3) From your ZigBee Controller or hub interface, choose to add lighting device and enter Locating/Pairing mode as instructed by the controller.
- 4) Network Pairing Begins Automatically: Connected LED light blinks 6 times as the device automatically scans for a compatible network controller to pair with.
- 5) After the device is located and paired to the ZigBee network, the connected LED light will stop blinking and stay solid on, then the device will appear in your controller's menu.
- 6) The lighting device is now paired to the ZigBee network and can be controlled by ZigBee controller or hub interface.

4. Pair a compatible ZigBee remote to the device Through Touchlink

- 1) The lighting device can TouchLink with a ZigBee remote that supports TouchLink Commissioning.
- 2) Directly TouchLink with a remote without Hub or TouchLink after the device and the remote are both added to the same ZigBee network.
- 3) Touchlink commissioning procedure of the device will be initiated while powered on, 5 minutes timeout, re-power on the device to initiate TouchLink again.
- 4) The device is to be discovered and paired via Touchlink commissioning procedure.
- 5) Bring the remote within 10cm of the device.
- 6) Set the remote to start Touchlink commissioning procedure. (please refer to its user manual to learn how).
- 7) There shall be indication on the remote that the remote is paired to the device via Touchlink successfully and the connected LED light with the device will blink twice.

Note: 1) Directly TouchLink (both not added to a ZigBee network), each device can pair with 1 remote.

2) TouchLink after added to a ZigBee network, each device can pair with max. 30 remotes.

3) For Philips Hue & Amazon Echo Plus, add remote and device to network first then TouchLink.

4) Philips Hue lights will enable TouchLink Commissioning after powered on.

5. Pair to a compatible ZigBee remote directly Through Find and Bind Mode

- 1) Power off and power on the device (initiator node) to initiate find and bind mode, enable it to find and bind target. 25 seconds timeout if there is no target, repeat the operation.
- 2) Set the remote (target node) into find and bind mode, and enable it to find and bind initiator. (Please refer to its user manual to learn how)
- 3) There shall be indication on the remote that the remote bind the device successfully.

6. Binding Between the Device and ZigBee Remotes Through Coordinator

Once the device and compatible remotes are paired to the same network, from your ZigBee controller or hub interface, choose to bind the device to a remote as instructed by the controller. Then the device can be controlled by the remote.

Note: 1) Each device can bind with max. 30 different remotes simultaneously.

2) Philips Hue & Amazon Echo Plus do not support this function, please use TouchLink to bind.

3) Each device can bind with max. 30 groups on one remote or different remotes.

7. Unbinding Between the Device and ZigBee Remotes Through Coordinator

Once the device and compatible remotes are bound, from your ZigBee controller or hub interface, choose to unbind the device from a remote as instructed by the controller.

8.Factory Reset the Device (Remove From ZigBee Network)

From the ZigBee Controller or Hub Interface

From your ZigBee controller or hub interface, choose to remove or reset the lighting device as instructed. The connected LED light will blink 3 times quickly and then stay a slow rhythm breath status to indicate successful reset.

Manual

Click “Program” key for 5 times continuously (or power off and power on the device continuously for 5 times), the connected LED light will blink 3 times quickly and then stay a slow rhythm breath status to indicate successful reset.

Factory Reset Through A ZigBee Remote (ZllResetToFactoryNewRequest)

- 1)Make sure the lighting device is added to a network, the remote can be added to the same network or does not belong to any ZigBee network.
- 2)Power on the lighting device to initiate TouchLink Commissioning, 5 minutes timeout, re-power on it again to enable TouchLink.
- 3)Bring the remote within 10cm of the ZigBee lighting device.
- 4)Set the remote to send ZllResetToFactoryNewRequest to the device. (please refer to its user manual to learn how).
- 5)There shall be indication on the remote indicator for successful reset.

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

9.ZigBee Clusters the device supports are as follows:

Input Clusters

- 0x0000: Basic
- 0x0003: Identify
- 0x0004: Groups
- 0x0005: Scenes
- 0x0006: On/off
- 0x0008: Level Control
- 0x0b05: Diagnostics

Output Clusters

- 0x0019: OTA

Wiring Diagram

