

1 Indicator light

Different color indicators correspond to different mode.

2 Reset

Short press: Switch the frequency.

Long press for 5 seconds: The LED strip will flash 3 times to indicate successful controller reset (this operation will clear Zigbee configuration and remote control pairing, and return to RGB CCT mode).

3 Opt

Short press: Switch the current device mode. (RGB CCT (default) → RGBW → RGB → CCT → Dimmer)

Long press for 5 seconds: The indicator light will flash pale blue 3 times to activate the power-off memory function, which remembers the on/off status before the power outage. Repeating this long-press operation will disable the power-off memory function (default setting: the light will always turn on upon power-up).

SPECIFICATION

Model No.:	GL-C-801P
Input Voltage	DC 5-12-24-36-48V
Output Current/Channel	10A Max
Total output Current	15A Max
Protocol	ZigBee+2.4G RF
Housing Material	Flame Retardant PC
IP Rate	IP67
Operating Temperature	-20~45°C
Size	132x67x30mm
Input Wire	2x2.5" (25cm)
Output Wire	3x1.0" (30cm)

Functions of different indicator colors shown as following table:

	RGB CCT	RGBW	RGB	CCT	Dimmer	Frequency switching	Enable/disable memory function
Indicator Color	White	Yellow	Blue	Green	Red	Purple	Light blue

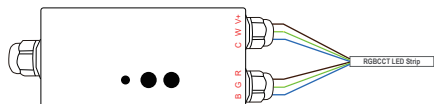
When the Zigbee device

Not connected to network: Current mode color flashes slowly. Network connected successfully: Current mode color stays solid.

Wiring diagram

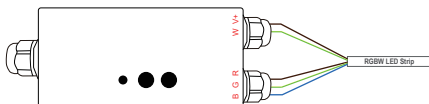
RGB CCT:

Under RGB CCT function, the RGB CCT strip can be connected to the device.



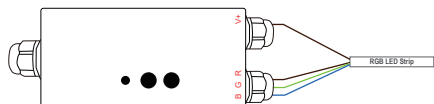
RGBW:

Under RGBW function, the RGBW strip can be connected, without any connection to "I" terminal.



RGB:

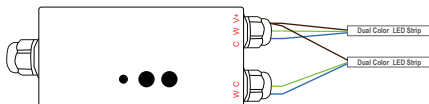
Under RGB function, the RGB strip can be connected, without any connection to "I" terminal.



CCT:

Under CCT function, two pieces of CCT strips can be connected, without any connection to "I" terminal.

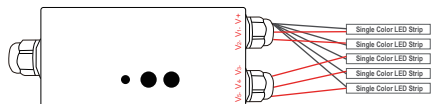
Note: The two led strips will be controlled simultaneously (cannot be controlled separately)



DIMMER:

Under dimmer function, five pieces of single color strips can be connected.

Note: The five led strips will be controlled simultaneously (cannot be controlled separately)



POWER-ON STATUS & FREQUENCY SETTINGS

1.Power-on Status Settings

Press and hold the 'OPT' button for more than 5 seconds. The indicator light will flash pale blue 3 times to activate the power-off memory function, which remembers the on/off status before the power outage. Repeating this long-press operation will disable the power-off memory function (default setting: the light will always turn on upon power-up).

2.Frequency Settings

In order to be applicable to different power supplies, the frequency of device is selectable as 600Hz, 800Hz, 1000Hz, 2000Hz, 4000Hz, 8000Hz with default frequency 1000Hz. Once short pressing "Reset" key, the frequency will switch into the next one. The indicator will flash in purple color and resume to previous color after "off" for 2 seconds. The rule of indicator flashing times for different frequency please refer to table.

1000Hz → 2000Hz → 4000Hz → 8000Hz → 600Hz → 800Hz → 1000Hz

	600Hz	800Hz	1000Hz	2000Hz	4000Hz	8000Hz
Flashing times	1	2	3	4	5	6

ZigBee Touch Link Pairing

1 Method 1: Quickly press the controller's reset button three times to enter touch link pairing mode.

Method 2: Re-power the unconnected controller and it will immediately enter touch link pairing mode.

Method 3: Connected controllers will enter touch link pairing mode immediately after being connected to the network.

2 To ensure a successful touch link pairing, the distance between the device and the remote control or touch panel must be less than 10cm.

3 Set the remote control or touch panel to enter touch link pairing mode (refer to the instructions for each Touchlink remote control or touch panel for details).

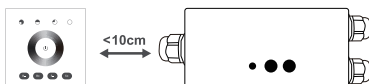
4 If the connection is successful, the remote control or touch panel will indicate success. After successful TouchLink, the remote control can control the device.

***Note:**

1 Direct TouchLink (when two devices are not added to the same ZigBee network), each device can only be connected to one remote control.

2 After the device and remote control are added to the same ZigBee network, a device can be connected to a maximum of 30 remote controls.

3 For Philips Bridge and Amazon Echo Plus, the device and remote control need to be added to the same network before performing TouchLink.



Connecting with the Gateway

Network Connection:

1. Connect the controller to the power source correctly.
2. Use the gateway's app to initiate device search and wait for a certain period of time (refer to the instructions of each gateway). If the gateway doesn't find the controller, try powering off and on the controller again, or reset the controller.
3. Once the gateway finds the controller, add the controller to the specified room or group.
4. After successful network connection, you can start using the controller.

The product works with many ZigBee 3.0 Gateways like Philips Hue, Amazon Echo Plus or Yandex Alice.



RGB+White Light Mix



Pairing with 2.4GHz RF Remote Control

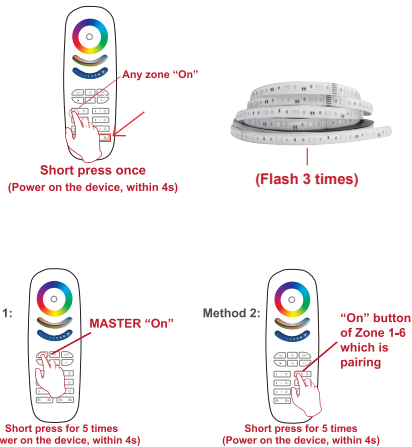
- ① The pairing will be timeout after 4 seconds when the device powered on.
- ② The pairing will be done successfully by pressing any zone "On" key of the 2.4G RF Remote or touch panel.
- ③ When the light strip connected to the controller blink 3 times, it indicates a successful connection with the remote control.

2.4GHz Remote Control Scene Memory Function

- ① Click on the button (S1, S2, S3, S4) of the remote control to enter the scene memory function.
- ② Long press to save the scene; Short press to activate the scene.

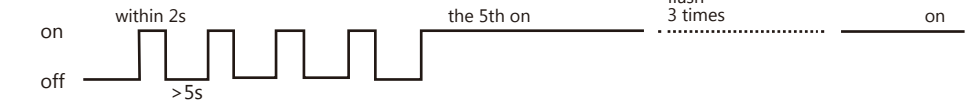
Reset the 2.4GHz RF Network

- ① Method 1: Short press the Master "On" Key 5 times within 4 seconds after the device powered on, the device will **blink 3 times**.
- ① Method 2: Short press continuously 5 times the Zone "On" key the device being paired within 4 seconds after the device powered on, the device will **blinks 3 times**.



Reset method

1. **Button reset:** Long press the RESET button for 5 seconds, the LED strip will flash 3 times to indicate that the reset is complete.
2. **Power On/Off reset:**
 1. Power on the light strip controller.
 2. Within 2 seconds, disconnect the power.
 3. Wait for at least 5 seconds to ensure a complete power-off.
 4. Repeat the above steps 5 times.
 5. The light strip will flash 3 times, indicating that the reset is complete.



Mode description

- Mode 1: Static warm light (warm light alone)
- Mode 2: Static white light (cold light and warm light are equally bright)
- Mode 3: Static cold light (cold light alone)
- Mode 4: Static red light
- Mode 5: Static green light
- Mode 6: Static blue light
- Mode 7: 16-Million-Color Gradient Cycle
- Mode 8: RGB Three-Color Strobe Jump
- Mode 9: Color Breathing (The brightness gradually fades from 100% to 0%, then cycles back from 100% to 0%. Adjusting the color or color temperature will change the color in this mode. Press the 'M' button to exit)

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1. Before turning on the power, please ensure that all wiring is correct and secure. Do not operate while the power is on.
 2. Use the product under the rated voltage. Overvoltage or undervoltage may cause damage.
 3. Do not disassemble the product, as it may cause fire and electric shock.
 4. Do not use the product in direct sunlight, damp, high-temperature, or other harsh environments.
 5. Do not use the product in metal shielded areas or near strong magnetic fields, as it will severely affect the wireless signal transmission of the product.

DISCLAIMERS

- * Our company will update the content of this manual according to product functionality improvements. The updates will be reflected in the latest version of this manual without further notice.
- Due to our continuous adoption of new technologies, the product specifications may change without prior notice.
- * This manual is for reference and guidance purposes only. It does not guarantee complete consistency with the actual product. Please refer to the actual product for practical applications.
- * The components and accessories described in this manual do not represent the standard configuration of the product. The specific configuration is subject to the package contents.
- All text, tables, and images in this manual are protected by relevant national laws and may not be used without our company's permission.
- This product is compatible with third-party products (such as apps, hubs, etc.) as stated in the gateway compatibility chart. However, our company takes no responsibility for any issues that may arise from changes made by third-party products, resulting in incompatibility or the partial loss of functionality.