GLEDOPTO GL-CM-1-002 5 In 1 Smart Led Controller User Manual
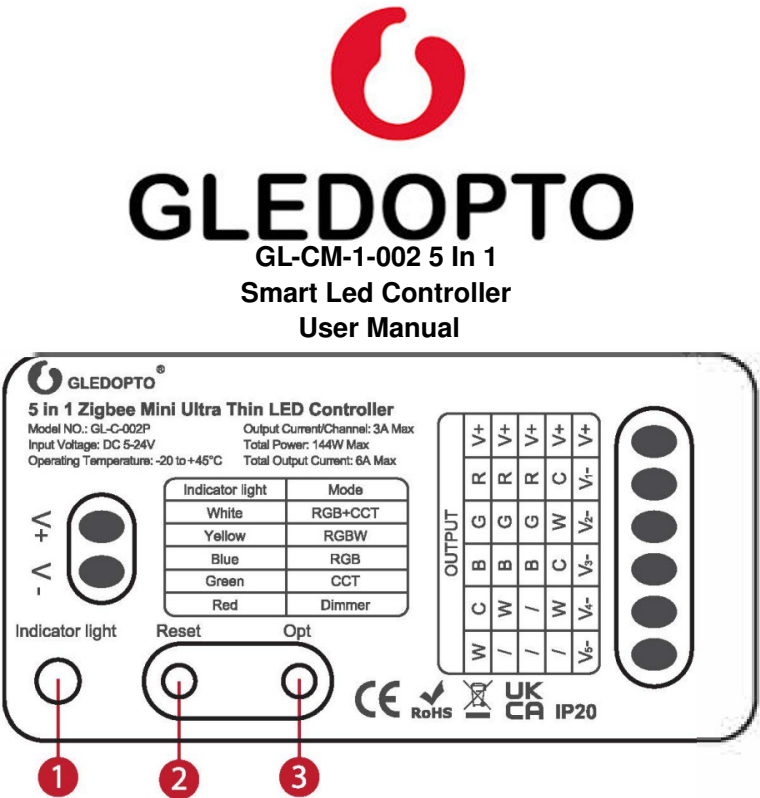
**GL-CM-1-002 5 In 1
Smart Led Controller
User Manual**

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GL-CM-1-002 5 In 1 Smart Led Controller

1. **LED indicator**

   Different color indicators correspond to different functions.

2. **Reset**

   Short press once to switch frequency; Short press twice to enter find and binding; Short press three times to enter the touchline.

3. **OPT**

   Short press once to switch the function; Press and hold far more than 5 seconds to set the power-on status.

SPECIFICATION

Product Name	5 in 1 Zigbee Mini Ultra Thin LED Controller
Model NO.	GL-C-002P
Size	7.0*3.6*1.0cm
Input Voltage	DC5-24V
Protection Rate	IP20
Total Power	144 W Max
Output Current/Channel	3AMax
Total Output Current	6AMax
Operating Temperature	-20~45°C
Common Anode	
Constant Voltage	

FUNCTIONS OF DIFFERENT INDICATOR COLORS ARE SHOWN IN THE FOLLOWING TABLE:
(RGBCCT→RGBW→RGB→CCT→DIMMER→RGBCCT)

	RGBCCT	RGBW	RGB	CCT	Dim
indicator Color	⚪ White	🟡 Yellow	🔵 Blue	🟢 Green	🔴 Red

NETWORK PARING:

1. Pairing with Zigbee Hub
Add the device to a Zigbee network via coordinator or hub

1. **Please ensure the device wasn't paired.**

   Otherwise, please "RESET" the device according to the part II "RESET".

2. **After STEP 1, there will be a pairing process about the 90s.**

   Once times out, you need to repeat the G).

3. **Open the Zigbee App**

   (hue or Amazon Alexa), add the device.

4. **If the pairing is done successfully**

   after the above steps, the device will blink 3 times.

1. Touch link to a Zigbee Remote Control / Touch Panel

1. Please make sure the distance between the device and remote control/ touch panel is less than 10cm;

2. Method 1: Please short press the key "Reset" 3 times or power on/off the device 3 times to enter into "Touchlink Commissioning" mode, the device will blink 5 times.

(Flash 5 times) Reset **(Short press for 3 times)**
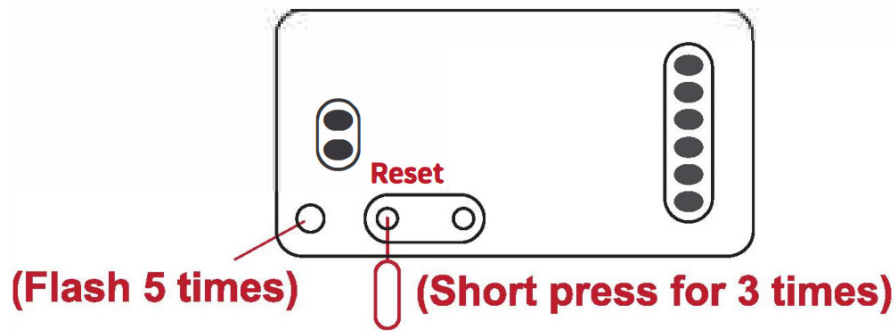
Method 2: Re-power the device, Touchlink Commissioning will start after 15 seconds if it's not added to a ZigBee network, 165 seconds timeout. Or start immediately if it's already added to a network, 180 seconds timeout. Once timeout, repeat the operation.

3. Set the remote/ touch panel to enter "Touchlink Commissioning".

   Please refer to the manual of the corresponding remote/ touch panel.

4. There shall be an indication on the remote or touch panel for successful pairing, the device will blink 2 times.

   Now the device shall be controllable via the remote/ touch panel.

**(Flash 2 times)**
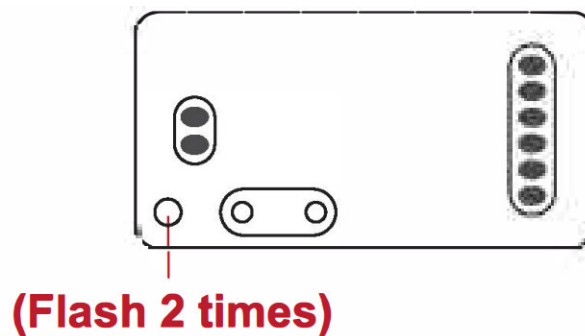
*Note:

1. If the device & remote control in different Zigbee networks, each remote can link with one device.
2. If the device & remote control in the same Zigbee network, max 30 remotes can link with one device.
3. For the Philips Hue /Amazon Echo Plus, the device & remote control should be in the same network before the Touch link.

3. Find and Bind Mode

*Note: Make sure that the device & remote are in the same network.

1. Short press the "Reset" button (or re-power the device) 2 times.

   The device will blink twice, and start "Find and Bind" mode to find the "Target Node".

(Flash 2 times) Reset **(Short press for 2 times)**
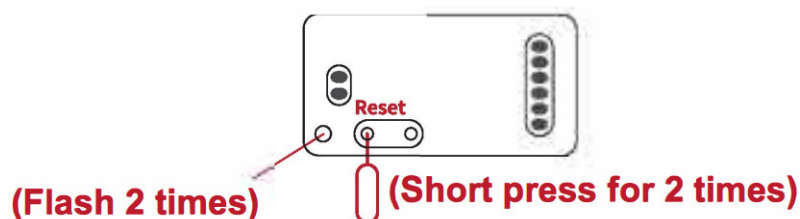
2. Set the remote control/touch panel (target node) to enter the "Find and Bind" mode to search for "Bind initiator".

   Please refer to the manual of the corresponding remote/ touch panel.

3. "Find and Bind" is completed, and the remote/ touch panel shall have an indication.

   Now the device shall be remote control/touch panel controllable.

### 4. Pairing with 2.4GHz RF Remote Control / Touch Panel

1. The pairing will be timeout after 4 seconds when the device is 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. The light strip will blink 3 times.
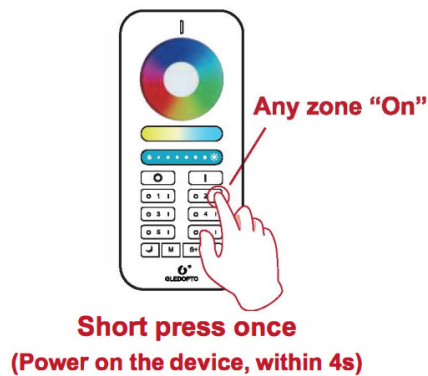
RESET:

1. RESET the Zigbee Network

1. Method 1: Delete the device on theAPP, the device will blink 2 times.
2. Method 2: Long press for more than 5s to reset(Or re-power the device 4 times) to unpair the network, the device will blink 2 times.
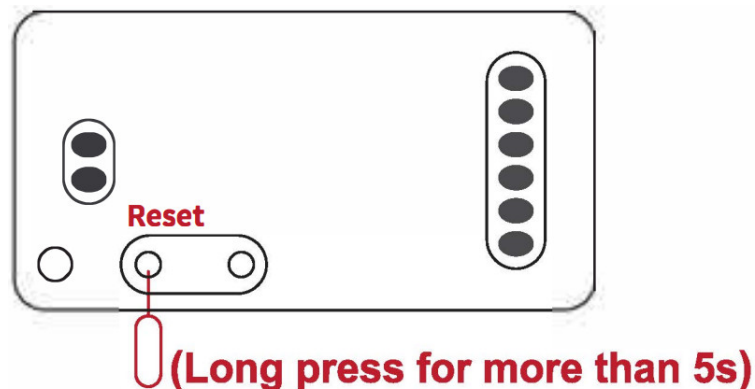
2. RESET the 2.4GHz RF Network

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

Method 1:

MASTER "On"

Short press for 5 times
(Power on the device, within 4s)

Method 2:
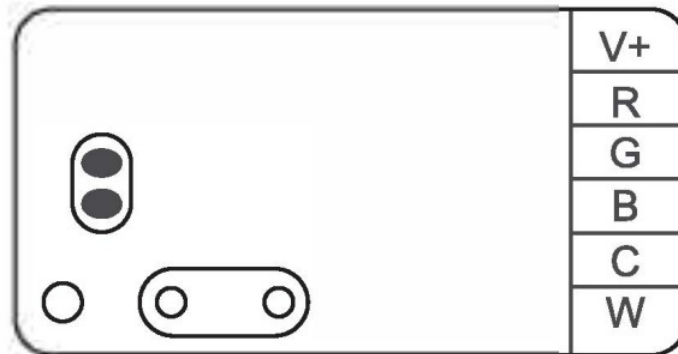
"On" button
of Zone 1-6
which is
pairing

Short press for 5 times
(Power on the device, within 4s)

WIRING DIAGRAM:

1. RGBCCT:
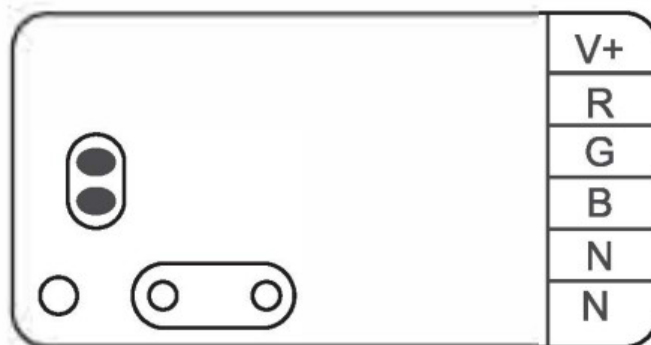Under the RGBCCT function, the RGBCCT strip can be connected to the device.

	V+
	R
	G
	B
	C
	W

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

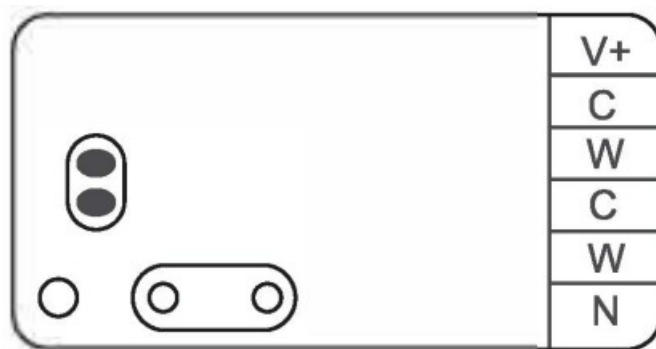|	V+
	R
	G
	B
	W
	N
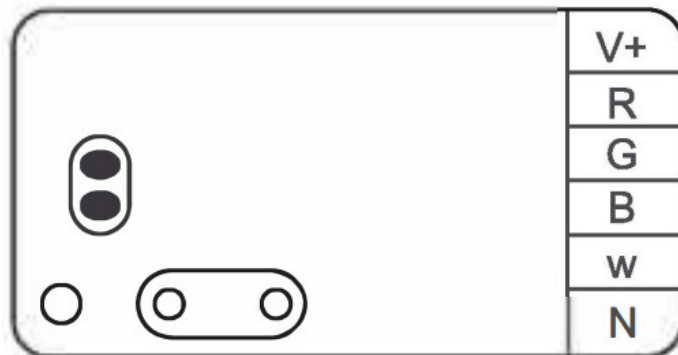
3. RGB:
Under the RGB function, the RGB strip can be connected, without any connection to the "N" terminal.

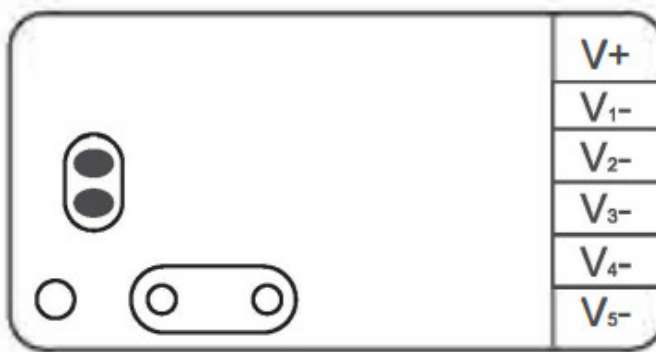|	V+
	R
	G
	B
	N
	N

4. CCT:
Under the CCT function, two pieces of CCT strips can be connected, without any connection to the "N" terminal.

5. DIMMER:

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

POWER-ON STATUS & FREQUENCY SETTINGS

1. Power-on Status Settings

Long press the 'opt' key for 5S, and the indicator flashes blue for 3 times, the device will remember the on-off state before the last power failure and return to the previous state when powered on. Repeat the operation again to cancel this function, the device will be on by default when powered on.
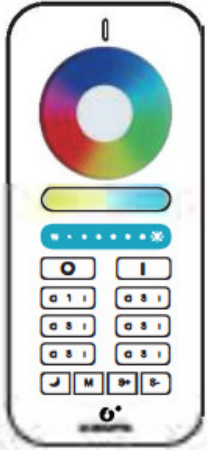
2. Frequency Settings

In order to be applicable to different power supplies, the frequency of the device is selectable as 600Hz, B00Hz, 1000Hz, 2000Hz, 4000Hz, and B000Hz with a default frequency of 1 000HZ. Once short pressing the "Reset" key, the frequency will switch to the next one. The indicator will flash in Pink color and resume to the previous color after "off" for 2 seconds. For the rule of indicator flashing times for different frequencies please refer to the table.

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

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

SATURATION CONTROL FUNCTION VIA 2.4G RF REMOTE CONTROL

	Enter into & exit Saturation Control Mode	
	How to make Saturation Control	

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	How to make Saturation Control	

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	How to make Saturation Control	

Documents / Resources
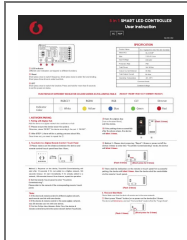
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GL-CM-1-002 5 In 1 Smart Led Controller, GL-CM-1-002, 5 In 1 Smart Led Controller, Smart Led Controller, Led Controller, Controller