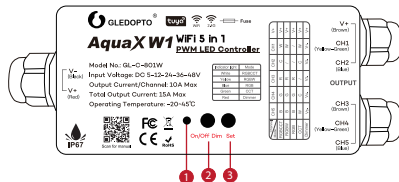


GLEDOPTO® AquaX W1

WiFi 5 in 1 PWM LED Controller

GL-C-I-801W



SPECIFICATION

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

① Indicator

Different color indicators correspond to different mode.

② On/Off Dim

Short press: On/Off.

Long press: Adjust brightness (if: Long press increases brightness, release and long press again decreases brightness).

③ Set

Short press: Switch the current device mode.

Short press twice: Switch frequency.

Short press 3 times: 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).

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

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

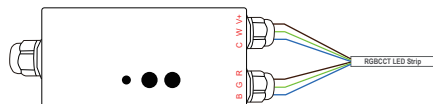
When the WiFi device

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

Wiring diagram

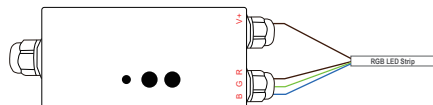
RGBCCT:

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



RGB:

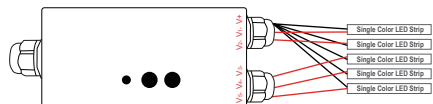
Under RGB function, the RGB strip can be connected, without any connection to "I" terminal.



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)

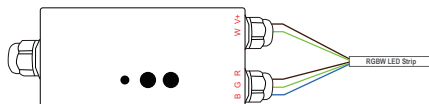


2.Frequency Settings

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 "Set" 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.

RGBW:

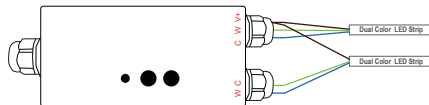
Under RGBW function, the RGBW strip can be connected, without any connection to "I" terminal.



CCT:

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

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



POWER-ON STATUS & FREQUENCY SETTINGS

1.Power-on Status Settings

Long press "Set" key for more than 5 seconds, the indicator flashes light blue for 2 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.

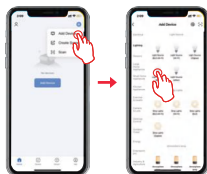
1000Hz → 2000Hz → 4000Hz → 8000Hz → 600Hz → 800Hz → 1000Hz

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

WiFi Network Configuration

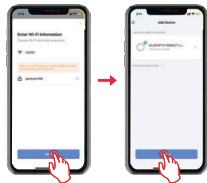
WIFI Configuration Steps

1. Connect the controller to power correctly.
2. Enter the Smart Life APP, then click " + " in the top right corner, select "Add Device".
3. Swipe up on the left side of the screen, find "Lighting", and click on the "Light Source (Wi-Fi)" icon.
4. Follow the instructions in the app to add the controller to wifi (only supports 2.4GHz).
5. Once successfully added, you can start using the controller.



Bluetooth Configuration Steps

1. Turn on the Bluetooth function on your phone and power on the controller.
2. Enter the Smart Life APP, then click " + " in the top right corner, select "Add Device".
3. Swipe up on the left side of the screen, find "Lighting", and click on the "Light Source (BLE)" icon.
4. Follow the instructions in the app to add the controller to wifi (only supports 2.4GHz).
5. Power off the router connected during pairing, turn off the phone's WIFI, only turn on Bluetooth and 4G Mobile Data, then wait for 3-5 minutes to use the controller via Bluetooth.



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.



Any zone "On"



(Flash 3 times)

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**.

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)

Compatible with 2.4G RF Remote Control



GL-RC-002



GL-RC-006



GL-RC-009



GL-RC-009S

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 (In this mode, the brightness of current color will cycle from 100%-0%, then from 0%-100%. At the same time, you can switch the color and have a cycle repeatedly. Pressing switch /mode button to exit this mode.)



Attention

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

- * 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.