

WIFI LED CONTROLLER (12/24 VOLT)

PART NUMBER: GL-RFCONT-RGBW-12V

Operation Instructions of WIFI Controller

1. Specifications

Working temperature: -20°c to 60°c

Output: 3-5 channels Grayscale: 1024 levels

External dimension: L160*W46*H25 mm

(L6 1/4*W1 3/4*H1 in) RF frequency: 2.4GHz Short circuit protection: Yes PWM frequency: 2KHz, 21.6KHz TUYA APP for IOS/Andriod Supply voltage: DC12~24V

Connecting Mode: Common anode

Speed stage: 1024 levels

Net weight: 110g RF distance: <20m Memory function: Yes

Max. Output current: PWM=2KHz:4A/CH, PWM=21.6KHz:3A/CH

Max. Output power: 12V: <240W, 24V:<480W

Or at 12 volts 48 watts/channel 24 volts 96 watts/channel

2. Controls, indicators and connections

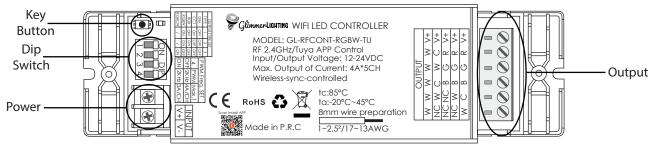


Fig. 1

- 1. Signal indicator status and description: it will light up when operating the remote control; it wil stay on after a successful WIFI connection.
- 2. DIP switches 1 through 3 are used to set the load output type, corresponding to the following:

| DIM | | | | CCT | | | | RGB | | | | RGBW | | | | RGBCW | | | |
|--------|-----|-----|--------|-----|-----|--------|---|-----|-------------------|-----|---|--------|----|-----|---|-------|---|----|---|
| ON DIP | | | ON DIP | | | ON DIP | | | ON DIP 1 2 3 4 | | | ON DIP | | | | | | | |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| OFF | OFF | OFF | Х | ON | OFF | OFF | Х | OFF | ON | OFF | Х | ON | ON | OFF | Х | Х | Х | ON | Х |

Note: After setting the load output type, the WIFI control function needs to be reset, and the "add device" operation should be preformed again in the APP. If the type is switched in the power-on state, the contoller will automatically reset, and will directly enter the EZ distribution network state after the load light flashes quickly. For more connection instructions, please refer to the "Direction for use - WIFI Network Operation" section.

3. DIP switch 4 is used to set the PWM frequency of the load output: OFF-2KHz (factory default value),

ON-21.6KHz as per the following diagram

| F | PWM= | =2KH | Z | PWM=21.6KHz | | | | | | |
|------|-----------|------------|-----|-------------------|---|---|----------|--|--|--|
| | ON 1 2 | DIP 3 4 | | ON DIP 1 2 3 4 | | | | | | |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | |
| Х | Х | Х | OFF | Х | Х | Х | ON | | | |
| Defa | ult | | | | | | <u>.</u> | | | |

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3. Direction for use

1) WIFI controlled by Tuya Application for smart control. ie: group control, scene control, timer control, music control and so on.

Scan QR code from controller to download Tuya application (page 4)

Create an account or register your controller to an existing account

WiFi- Smart Controller can be added using "EZ Mode" - Auto Scan or "AP Mode" - Add Manually.

EZ Mode: Press and hold the "Key" button for 5s to restore to the factory setting and enter EZ mode (Rapid Blinking). (See fig 1, page 1)

AP Mode: Unplug and reconnect the power supply and the Wi-Fi Smart Controller 5 times in a short period to enter AP mode (Slow Blinking).

Tips:

- 1. If the Wi-Fi signal is weak or cannot connect with the device using "EZ Mode", please tap the "EZ Mode" on the top right corner and tap "AP Mode" to enter the AP mode to add the device and follow the App instructions to connect the Wi-Fi Smart Controller to your network.
- 2. After setting the load output type, the WIFI control function also needs to be reset, and the "add Device" operation should be preformed again in the APP.
- 1) If the load type is reset in the power-on state, the controller will automatically reset, and will directly enter the EZ distribution network state after the load light flashes quickly. At this time, the load light will keep flashing, and the network connecting operation can be performed, or you can press any button on the remote control to exit the network connecting status; if there is no operation, it will exit automatically after 3 minutes.
- 2) If the load type is reset in the power-off state, please refer to the above instruction to connect the network be EZ Mode or AP Mode.

2) Controlling with an RF 2.4 GHz remote control as below:

Controller is compatable with 16 item RF remote controls for options, for different applications. Please find some options from the recommended selection below.

| LED Type | RF Remote Control |
|----------------|---------------------|
| RGBW/ RGB+W | |
| | GL-RFREMOTE-RGBW-TU |

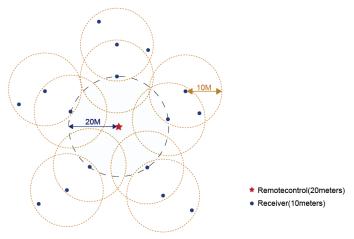
- 1. This controller is also compatible with other remote controls, please contact us for more information.
- 2. Please refer to the remote control specifications for features and functions.





3) Wireless-synchronization function

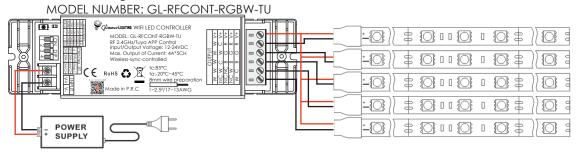
RF remote will transmit a control signal to eachother. Multiple receivers in same zone will wirelessly sync. Not only static mode, but also dynamic mode, to achieve wired-like operation experience. It is flexible enough to combine with the scene control function on WIFI control



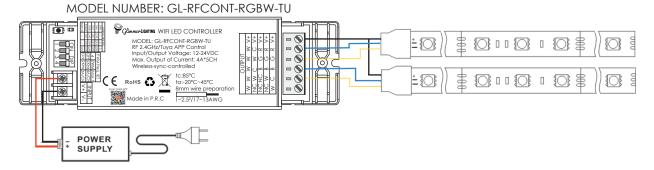
In Order to achieve perfect wireless synchronization effect, please keep the distance between receivers within 10 meters as above shows.

4. Typical Applications

Application Circuit of Single Colour



Application Circuit of Cw+WW (Cool White + Warm White) App Required

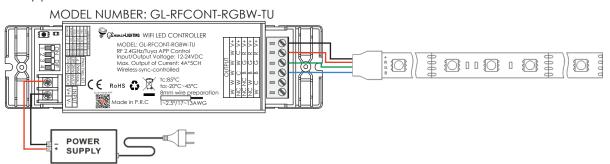






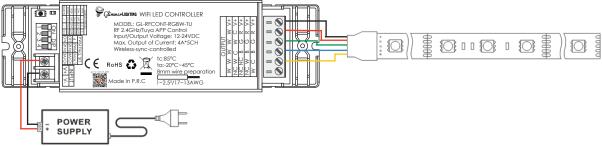
PART NUMBER: GL-RFCONT-RGBW-12V

Application Circuit of RGB

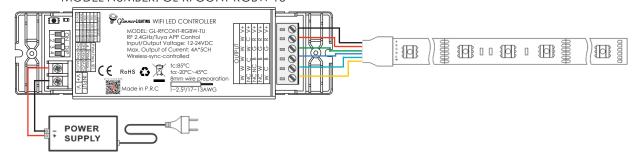


Application Circuit of RGBW/RGB+W





Application Circuit of RGBCW/RGB+CCT App Required MODEL NUMBER: GL-RFCONT-RGBW-TU



5. Notice

- 1) The power supply voltage of this product is DC12V ~ 24V, other voltages may damage it
- 2) The lead-out wires should be correctly wired according to the labels provided in the wiring diagram.
- 3) This product has short circuit protection function, but it should not be overloaded
- 4) The warranty period of this product is 3 years, this excludes damage, overloading and incorrect wiring.

Scan QR code to install Tuya App:

