User Guide

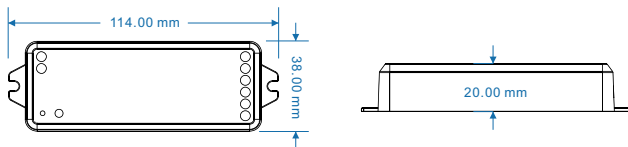## 5 Channel RGB+CCT LED RF Controller

Technical parameter

- Input voltage: 12-24VDC
- Output type: PWM constant voltage
- Output current: 5CH, 3A/CH, Total max 15A
- Output power: 180-360W
- Grey levels: 4096/CH
- Dimming range: 0-100%
- Remote distance: 30m
- Working temperature: -30℃~55℃
- Product size: L114×W38×H20mm
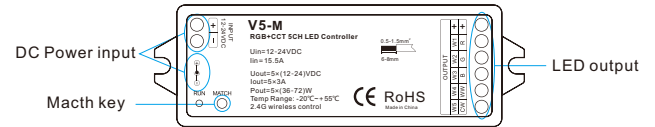- Net weight: 53g

Summary

- Mini style LED controller with DC power socket input and 5 channel constant voltage output.
- Full compatibility with a variety of RGB+CCT remote.
- Smooth dimming and switch without any flickering.
- Built in 10 RGB change mode, include jump or gradual change style, adjustable speed.
- Adopt 2.4GHz wireless technology, remote distance up to 30m, can accept up to 10 remote control.
- Auto-transmitting function, one receiver can transmit the signal from the remote to another receiver within 15m, so the remote control distance can be beyond 100m.
- Auto-synchronization function, different receivers can work synchronously when they are controlled by the same remote, under same dynamic mode and same speed.
- Can be WiFi controlled by APP installed on IOS or Android mobile devices while working with WiFi-Relay controller.
- User can customize own RGB change mode list by APP for advanced function.
- Work with power repeater to expand output unlimitedly.

Dimension

114.00 mm

38.00 mm

20.00 mm

Interface specification

DC Power input

Macth key

LED output

Match guide

V5-M receiver match with all kinds of single or multiple zone RGB+CCT remote controller.
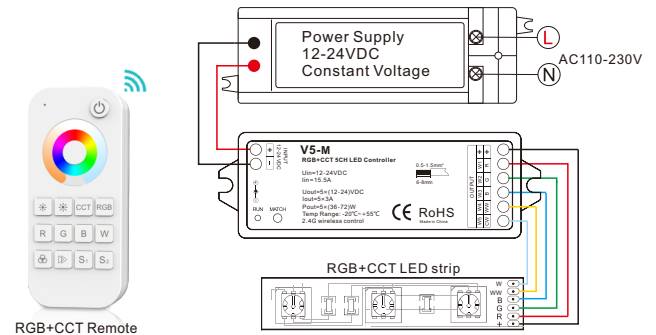
Use Match key

1. Match: Short press match key, within 5s, press on/off key or zone key of the remote.
2. Delete: Long press match key for 5s, delete all matched remote.
3. Multiple zone remote only use zone key to match each zone receiver.

Use Power-up

1. Match: Switch off the power, then switch on power again,
   short press on/off key or zone key 3 times on the remote quickly within 5s after power on, the link is done once the light blinks 3 times.
2. Delete: Switch off the power, then switch on power again,
   short press on/off key or zone key 5 times on the remote quickly within 5s after power on, the unlink is done once the light blinks 5 times.
3. Multiple zone remote only use zone key to match each zone receiver.

Wiring diagram

Power Supply 12-24VDC Constant Voltage

AC110-230V

RGB+CCT LED strip

RGB+CCT Remote

RGB change mode list

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out

Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Wrong color	1. Wrong connection of R/G/B/WW/CW wires	1. Reconnect R/G/B/WW/CW wires.
Uneven intensity between front and rear,with voltage drop	1. Output cable is too long. 2. Wire diameter is too small. 3. Overload beyond power supply capability. 4. Overload beyond controller capability.	1. Reduce cable or loop supply. 2. Change wider wire. 3. Replace higher power supply. 4. Add power repeater.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remote.	1. Replace battery. 2. Reduce remote distance. 3. Re-match the remote.

Safety information

1. The product shall be installed and serviced by a qualified person.
2. This product is non-waterproof. Please avoid the sun and rain.
3. Good heat dissipation will prolong the working life of the controller, please ensure good ventilation.
4. Please check if the output voltage of any power supplies used comply with the working voltage of the product.
5. Ensure all wire connections and polarities are correct and secure before applying power to avoid any damages to the LED lights.
6. If a fault occurs please return the product to your supplier. Do not attempt to fix this product by yourself.