

LCRGBW100

RGBW Controller Kit



Features

- Mini style controller with 4 channel constant voltage output
- Ultra-sensitive colour adjustment wheel
- Smooth dimming and switching without flickering
- 10 built in dynamic modes, including jump or gradual colour change
- 2.4GHz wireless technology, remote distance up to 30m with no obstructions
- Auto-transmitting function, one receiver will transmit the signal from the remote to another receiver within 15m.
The remote control distance can be beyond 100m
- Compatible with data repeaters to expand the output

Technical Parameter

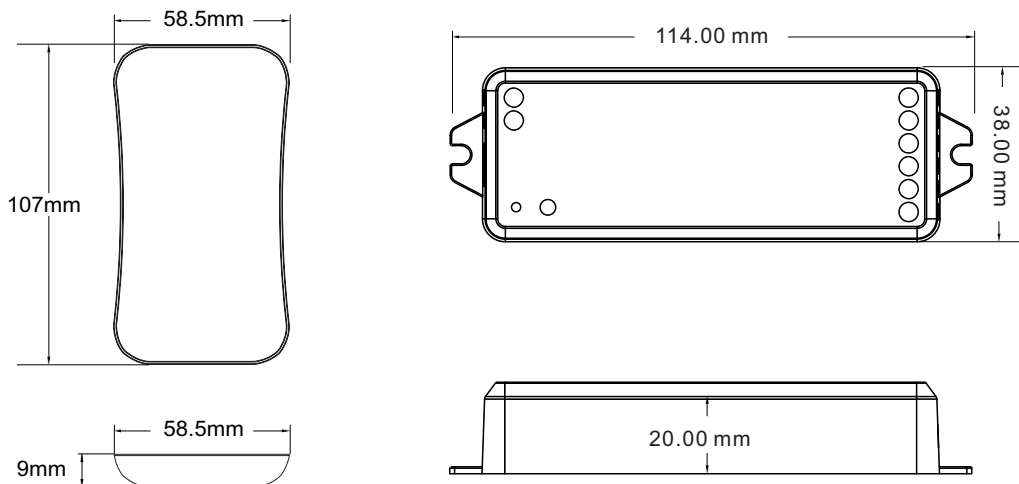
LED Remote

- Output signal: RF(2.4GHz)
- Working voltage : 3VDC(CR2032)
- Standby time: 1 year
- Remote distance: 30m
- Size: L107×W58.5×H9mm

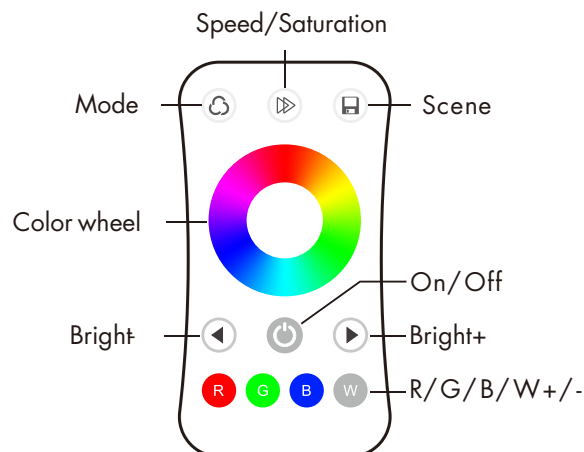
LED Receiver

- Input voltage: 12-24VDC
- Input current: 15.5A
- Output type: PWM constant voltage
- Output current: 4CH,4A/CH, Max 6A
- Output power: 4 x (48-96) W
- Size: L114×W38×H20mm

Dimension



Remote Function



On/Off: Turn on/off light.

Colour wheel: Touch to change static RGB colour.

Mode: Short press runs the next dynamic mode, long press twice to run the mode cycle.

Speed/Saturation: For dynamic mode, adjust speed, short press 10 levels, long press twice to get the default speed. For static RGB colour, adjust saturation, change current static RGB colour to mixed white slowly, short press 11 levels, long press 1-5s for continuous 256 levels adjustment.

Bright+/-: Adjust brightness, short press 10 levels, long press 1-5s for continuous 256 levels adjustment.

R/G/B: Short press to get red, green or blue directly, long press 1-5s adjusts R/G/B brightness continuously.

W: Short press turn on/off W channel, long press 1-5s adjust W brightness continuously, change saturation by adding the white in slowly.

Scene: Short press recall the scene, long press twice to save the current colour into the scene.

Match Guide

Use Match Key

Match:

Short press match key on the receiver, then press on/off key of the remote within 5 seconds.

Delete:

Long press the match key on the receiver for 5s, delete all matched from the remote.

Use Power-Up

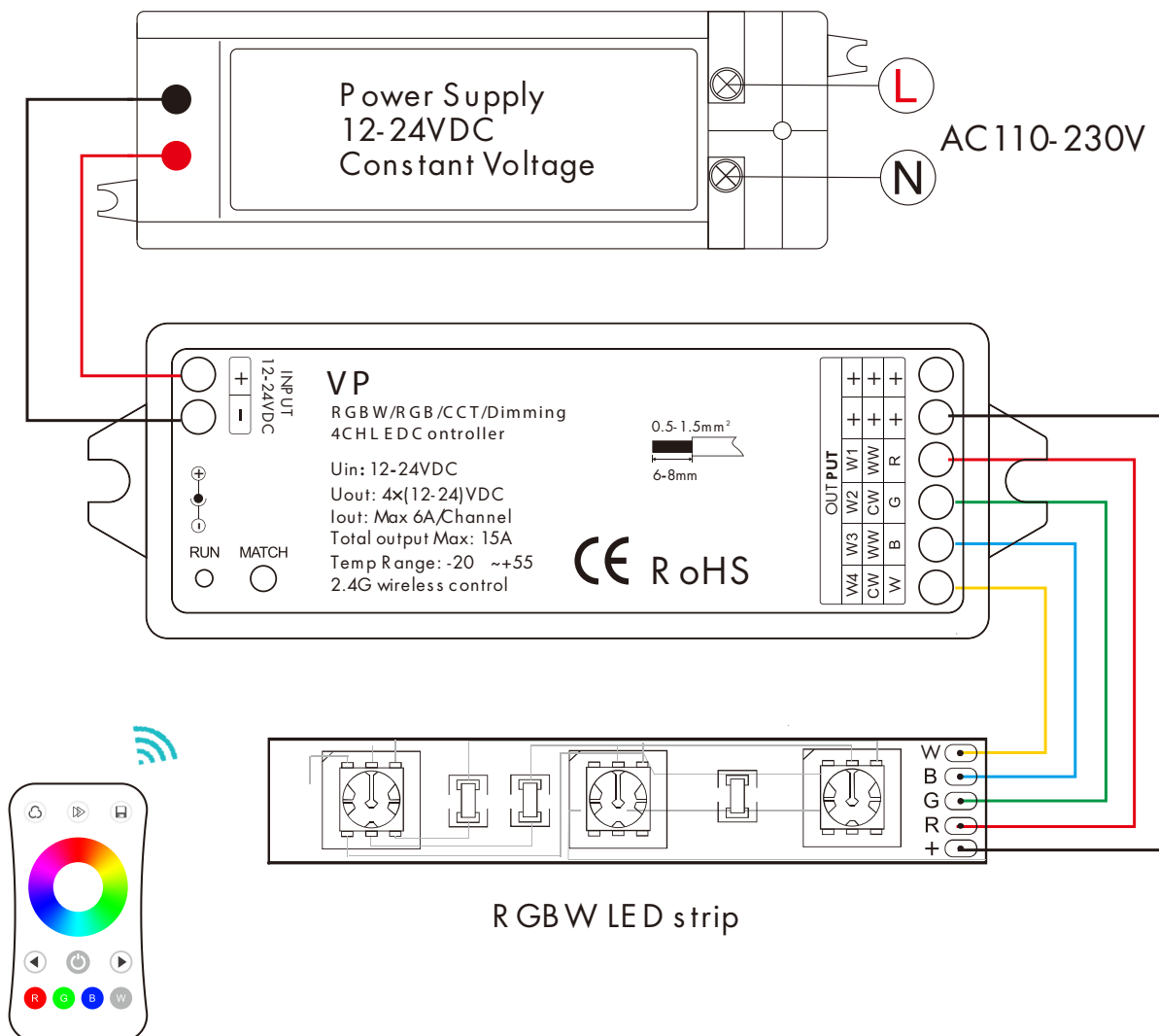
Match:

Switch off the power, then switch on again, short press on/off key 3 times on the remote quickly within 5 seconds after the power is on, the link is done once the light blinks 3 times.

Delete:

Switch off the power, then switch on again, short press on/off key 5 times on the remote quickly within 5 seconds after the power is on, the match is undone once the light blinks 5 times.

Wiring Diagram



Dynamic 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 colour jump	8	Green fade in and out
4	6 colour 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 or insecure connection	1. Check the power 2. Check the connection
Wrong colour	1. Wrong connection of R/G/B wires	1. Reconnect R/G/B/W 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 to a wider wire 3. Replace with a higher power supply 4. Add a data 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 yourself

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