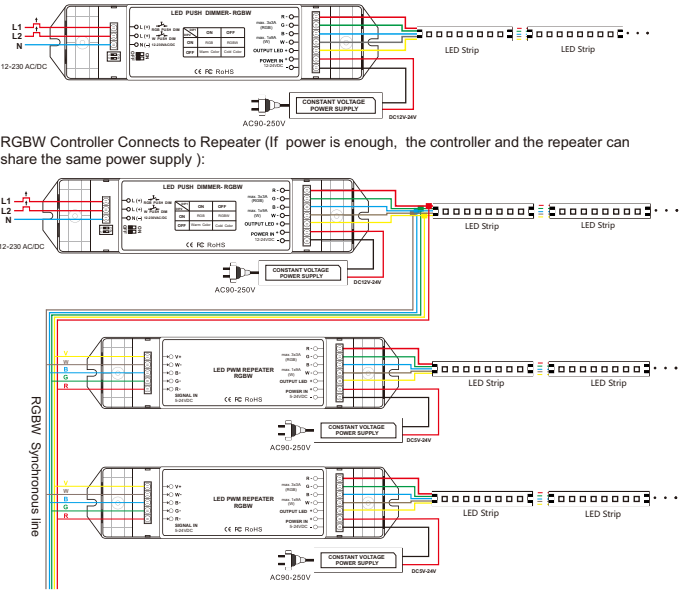
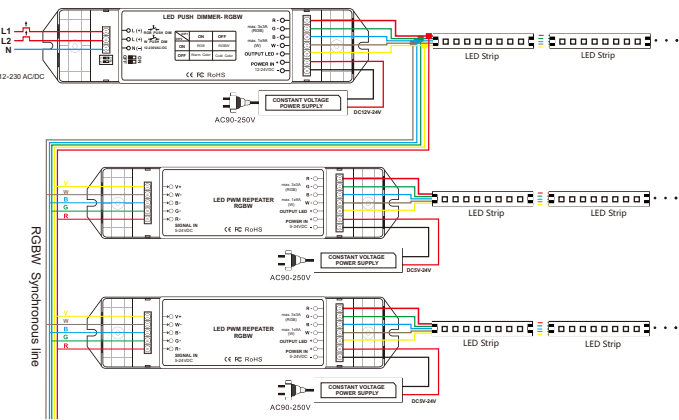


7. Conjunction Diagram

1) RGBW controller Conjunction Diagram:



RGBW Controller Connects to Repeater (If power is enough, the controller and the repeater can share the same power supply):



8. After-Sales

From the day you purchase our products within 3 years, if being used properly in accordance with the instruction, and quality problems occur, we provide free repair or replacement services except the following cases:

- 1.Any defects caused by wrong operations.
- 2.Any damages caused by inappropriate power supply or abnormal voltage.
- 3.Any damages caused by unauthorized removal, maintenance, modifying circuit, incorrect connections and replacing chips.
- 4.Any damages due to transportation, breaking, flooded water after the purchase.
- 5.Any damages caused by earthquake, fire, flood, lightning strike etc force majeure of natural disasters.
- 6.Any damages caused by negligence, inappropriate storing at high temperature and humidity environment or near harmful chemicals.
- 7.Product has been updated.

Constant Voltage RGBW Controller User Manual



(Please read through this manual carefully before use)

1. Brief Introduction

Welcome to use our RGBW controller, Adopts to PWM (Pulse-Width Modulation) digital brightness control technology. Users can choose their favorite dynamic color change tone by two DIP switch. Meanwhile It can be controlled by the wireless touch remote control and duplex push dim button. Seeing is believing. This led controller is suitable for RGB & RGBW LED lamp, easy to use.

2. Specifications

Model	RGBW Controller
Working voltage	DC12V-24V
Max output current	RGB: 3A×3CH W: 9A×1CH
Max output power	RGB:36W×3CH W:108W(12V) / RGB:72W×3CH W:216W(24V)
Grey scale	4096 levels×4
Working Temp	-20-55℃
Product size	L176×W46×H30(mm)
Weight	145g

Model	T4
Working voltage	DC12V-24V
Working frequency	433.92MHz
Remote distance	40m-50m
Working Temp	-20-55℃
Product size	L106×W56×H9(mm)
Weight	40g

3. Basic Features

1. Automatically adapts to DC12V-24V.
2. 4 output channels, each channel 4096 grey scale, Lamplight soft and stable, without flicker.
3. 4 dynamic color tune selectable.
4. Save parameter automatically.
5. Over current protection, short circuit protection.

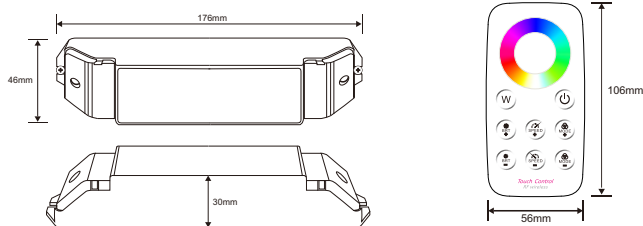
4. Safety warnings

Please don't install this controller in lightening, intense magnetic and high-voltage fields.

- 1.To reduce the risk of component damage and fire caused by short circuit, make sure correct connection
- 2.Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
- 3.Check if the voltage and power adapter suit the controller (please select DC12-24V power supply with constant voltage)
- 4.Don't connect cables with power on; make sure a correct connection and no short circuit checked with instrument before power on.
- 5.Please don't open controller cover and operate if problems occur.

The manual is only suitable for this model; any update is subject to change without prior notice.

5. Dimensions



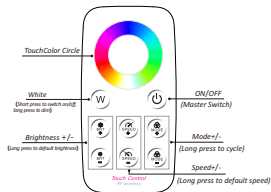
6. Operating instructions

1. Dynamic color changing tone selection:

The two DIP switches is used for selecting the color tone in change mode :

DIP1	DIP2	Mode	Description
ON	ON	RGB	RGB mode, W channel dimmed independently
OFF	ON	RGBW	RGBW mode, W and RGB controlled uniformly
ON	OFF	Warm color	Warm tone, W channel dimmed independently
OFF	OFF	Cold color	Cold tone, W channel dimmed independently

2. Remote control button description:



Notice: The remote control will enter dormant status without operation for 30 seconds, please press any key to reactive it.

The remote control ID learning guide:
Press ON/OFF button till the light flashes, then press W button, the light flashes again, the ID is set.

3. Two push buttons description

The first button controls RGB channel

1. Short press(< 0.5s), master switch;
2. Short press ON/OFF button two times(within 0.5s+0.5s), changing program between static color and dynamic color changing.
3. In static color program, long press to change the brightness, long press again for opposite direction, totally 8 levels, 1s for one level.
4. In color changing program, long press to change the speed, long press again for opposite direction, totally 8 levels, 1s for one level.

The second button controls the W light.

- 1) Short press(<0.5s) to switch the light on/off;
- 2) Long press(>0.5s) to adjust the brightness of white light, with in 1%~100%. After the adjustment, the changing goes the opposite.
- 3) When the white light is off, long press to turn it on and dim.

4. Tables of changing modes

NO.	RGB	RGBW	Warm color	Cold color
0	Cycle mode	Cycle mode	Cycle mode	Cycle mode
1	DIY static color	DIY static color	DIY static color	DIY static color
2	Static red	Static red	Static red	Static green
3	Static green	Static green	Static orange	Static cyan
4	Static blue	Static blue	Static yellow	Static blue
5	Static yellow	Static yellow	Red strobe	Green strobe
6	Static purple	Static purple	Orange strobe	Cyan strobe
7	Static cyan	Static cyan	Yellow strobe	Blue strobe
8	Static white	Static white	Red orange yellow skipping	Green cyan blue skipping
9	RGB skipping	RGB skipping	Red fading	Green fading
10	7 color skipping	7 color skipping	Orange fading	Cyan fading
11	White strobe	White strobe	Yellow fading	Blue fading
12	RGB smooth	RGB smooth	Red orange yellow smooth	Green cyan blue smooth
13	7 color smooth	7 color smooth		
14	Red green smooth	Red green smooth		
15	Red blue smooth	Red blue smooth		
16	Green blue smooth	Green blue smooth		
17	White fading	White fading		