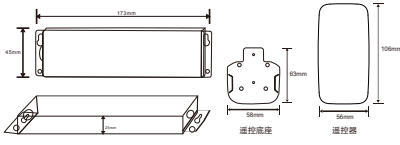


5. Dimensions



7. Safety warnings

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

8. After-Sales

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

9. Kindly Reminder

Power Source Selection:
Power source must be DC constant voltage type of power supply. Due to the efficient output in some power supplies are only 80% of total, so please select at least 20% higher output power supply than the consumption of LED lights.

Waterproof Constant Voltage RGBW Controller User Manual



(Please read through this manual carefully before use)

1. Brief Introduction

Welcome to use our waterproof RGBW controller, it adopts to PWM(Pulse-Width Modulation)digital brightness control technology. It can be controlled by the wireless touch remote controller .Seeing is believing.This led controller is suitable for RGB &RGBW LED lamp,easy to use.

2. Specifications

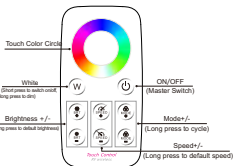
Model	Waterproof Constant Voltage RGBW Controller	T4
Working voltage	DC12V-24V	3V(CR2032)
Max Output Current	RGBW:5A×4CH	433.92MHz
Max output power	RGBW:60W×4CH (12V) RGBW:120W×4CH (24V)	40m-50m
Grey scale	4096 levels×4	-20-55°C
Product size	35cm	
Work temp	-20-55°C	L106×W56×H9(mm)
Dimension	L173*W45*H25mm (wire not included)	40g
Weight (G.W)	310g	

3. Basic Features

- Automatically adapts to DC12V-24V.
- 4 output channels, each channel 4096 grey scale, Lamplight soft and stable, without flicker.
- different color tune for static color, skipping, smoothing and fading.
- power off memory function,save parameter automatically.

4. R4-WPModel Description

1. 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.

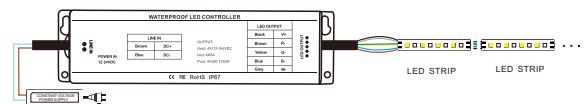
2. Two push buttons description

- The first button controls RGB channel
- Short press(< 0.5s), master switch;
 - Short press ON/OFF button two times(within 0.5s+0.5s), changing program between static color and dynamic color changing.
 - In static color program, long press to change the brightness, long press again for opposite direction, totally 8 levels, 1s for one level.
 - 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.
- Short press(<0.5s) to switch the light on/off;
 - Long press(>0.5s) to adjust the brightness of white light, with in 1%~100%. After the adjustment, the changing goes the opposite.
 - When the white light is off, long press to turn it on and dim.

序号	RGB	序号	RGB
0	cycle	9	RGB skipping
1	Static DIY color	10	7 color skipping
2	Static black	11	White strobe
3	Static red	12	RGB smooth
4	Static green	13	7 color smooth
5	Static blue	14	RG smooth
6	Static yellow	15	RB smooth
7	Static purple	16	GB smooth
8	Static cyan	17	WHITE FADING

6. Conjunction Diagram

controller connect with LED strip :



controller connect with LED repeater:

