Constant Voltage LED RGB Controller



FC CE

(Please read through this manual carefully before use)

1. Brief Introduction

RGB controller is a unique DIY version as well as a powerful combination that can control color changes of LED lights with 4-pin 3-loop cables (common anode), built-in 18 modes with touch functional buttons, provided with IR wireless remote control panel, users can control color changes of LED light by pressing the button on the controller or on the remote control panel, very users friendly.

2、Specifications

Constant voltage controller		
Input voltage	DC12V~DC24V	
Max load current	6A/CH×3	
Max load power	220W/450W(12V/24V)	
Changing mode	18 modes	
Scale level	4096 steps per RGB	
Static dimming	mixing up 4096 colors	
Dimension	L142×W73×H30(mm)	
Package Size	L145×W88×H46(mm)	
Weight (G.W)	350g	

3、Basic Features

Automatic switch from DC12V-DC24V; With 21 Buttons IR Wireless remote control, reliable control distance can reach as far as 10m;

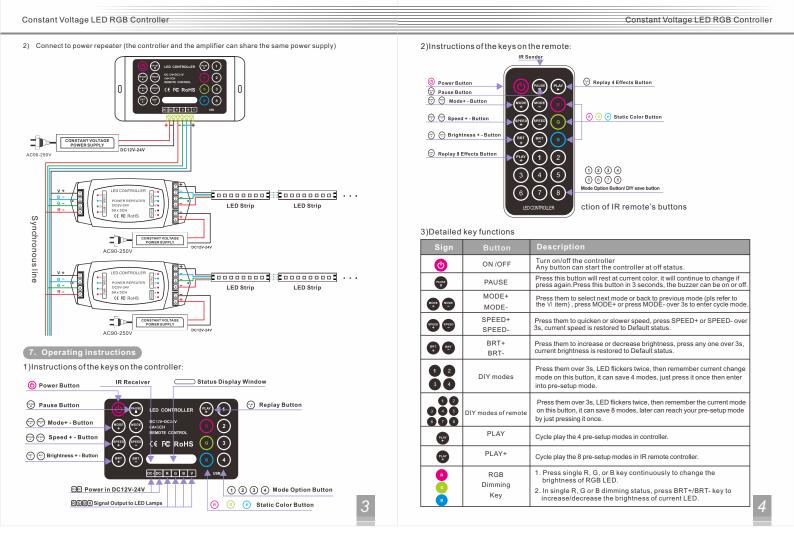
3. Several DIY Storage Buttons, to record your favorite modes ;

4. 0-100% dimming and 16 levels of static brightness per RGB. can mix 4096 colors.
5. 3-Channel RGB full color control, maximum outputs 6A per Channel.
6. 4096 Grey scales per RGB, color-smooth effecti s gentle and accurate.
7. Can choose changing speed separately and adjust the brightness of each mode.
8. Can stop at current color and color brightness by selecting PAUSE function.
9. Working with ourpower repeater, can expand power unlimitedly.
10. Power loss memory function.
11. Equipped with extension infrared receiver, more convenient to receive infrared signals.

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 mm 142m 40mm \bigcirc 86mm 36 mm (2)124mm 30mm ▶ ₩ 10mm 6. Conjunction Diagram 1)Controller with LED Strips Ц Y C90-250V LED STRIP LED STRIP LED STRIF DC12V-24V LED STRIP LED STRIP LED STRIP 20000000 **;** 0000000 **;** 0000000 LED STRIP LED STRIP LED STRIP



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	Modes	Description	Remark
1	Static red	Normally on red	Brightness adjustable
2	Static green	Normally on green	Brightness adjustable
3	Static blue	Normally on blue	Brightness adjustable
4	Static yellow	Normally on yellow	Brightness adjustable
5	Static purple	Normally on purple	Brightness adjustable
6	Static cyan	Normally on cyan	Brightness adjustable
7	Static white	Normally on white	Brightness adjustable
8	3-color skipping	Red, green & blue 3-color skipping	Brightness & speed adjustable
9	7-color skipping	Red, green, blue, yellow, purple, cyan, white 7-color skipping	Brightness & speed adjustable
10	White color strobe	White (with all red, green & blue on) strobe	Brightness & speed adjustable
11	3-color smooth	RGB 3-color gradual changes	Brightness & speed adjustable
12	Full color smooth	All 7-color gradual changes	Brightness & speed adjustable
13	RG color smooth	Red, green 2-color gradual changes	Brightness & speed adjustable
14	RB color smooth	Red, blue 2-color gradual changes	Brightness & speed adjustable
15	GB color smooth	Green, blue 2-color gradual changes	Brightness & speed adjustable
16	White color fade & change	white (with red, green & blue on) gradual bright & fade	Brightness & speed adjustable
17	Great cycle	All changing modes overlap cycle	1
18	RGB static dimming	0-100% dimming per RGB	16 levels of brightness per RG

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7. 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 of 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.

8. 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.