

Constant Voltage LED RGB Controller

User Manual

F6324232



FACTORY AND HEAD OFFICE.

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PREFACE

Welcome to SAFERAIN S.L. Congratulations on the purchase of the Constant Voltage LED RGB Controller F6324232. We hope not to disappoint the expectations placed on the product and our company.



Carefully read the instructions for use and become familiar with the equipment before using it for the first time. All work with this equipment should only be carried out in accordance with these instructions.

Always take into account the safety instructions in order to guarantee the correct and safe use of the equipment. Carefully keep these instructions for use.

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Enjoy water rhythm!

GENERAL DESCRIPTION

RGB controller is a unique DIY version that allows you to control color changes of LED lights, 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 controller button or remote control panel, it's allows preset and save 4/8 by using controller/remote control. Conexión by 4-pin (RGB-V) and 2 pin (DC+ / DC-)

SAFETY CONDITIONS

1. In order to use it properly and safety, please read user's manual carefully before installation.
2. Please don't install this controller in lightening, intense magnetic and high-voltage fields.
3. To reduce the risk of component damage and fire caused by short circuit, make sure correct connection
4. Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
5. Don't connect cables with power on; make sure a correct connection and no short circuit checked with instrument before power on.
6. 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.

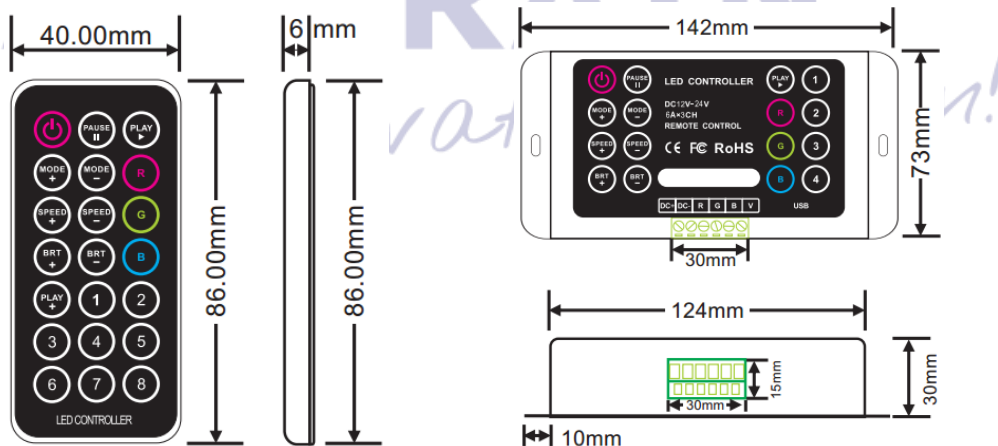
SPECIFICATIONS

Model	RGB/RGBW Timer Controller
Working Voltage	DC12-24V
Output Current	6A x 3CH
Output Signal	RGB
Working Temp.	-20°C - 55°C
Dimensions	142mmx73mmx30mm
Weight(N.W)	350g

FEATURE FUNCTION







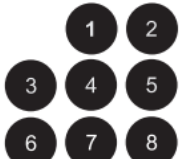



1. Automatic switch from DC12V-DC24V;
2. With 21 Buttons IR Wireless remote control, reliable control distance can reach as far as 10m;
3. Several DIY Storage Buttons, to record your favorite modes ;
4. 0-100% dimming and 16 levels of static brightness per RGB. Can mix 4096 colors.
5. 3 Channel RGB full color control, maximum outputs 6A per Channel.
6. 4096 Grey scales per RGB, color-smooth effect is soft and accurate.
7. Can choose changing speed and adjust the brightness separately of each mode.
8. Can stop at current color and color brightness by selecting PAUSE function.
9. Working with our power repeater,can expand power unlimitedly.
10. Power loss memory function.
11. Equipped with extension infrared receiver, more convenient to receive infrared signals.

DIMENSIONS



OPERATING INSTRUCTIONS

Controller and Wireless remote control button instructions:

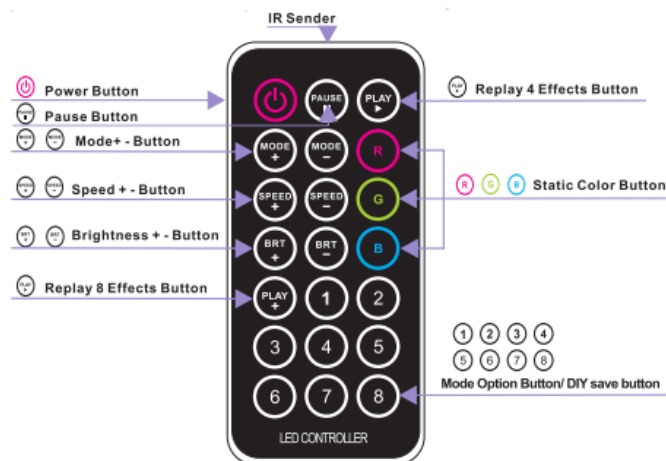
Symbol	Buttons-key	Description
	ON /OFF	Turn on/off the controller Any button can start the controller at off status.
	PAUSE	Press this button will pause at current color, it will continue to change if press again. Press this button 3 seconds, the buzzer can be on or off.
	MODE+ MODE-	Press them to select next mode or back to previous mode (pls refer to the VI item) , press MODE+ or press MODE- over 3s to enter cycle mode.
	SPEED+ SPEED-	Press them to increase or decrease speed, press anyone of them over 3s, current speed is restored to Default status.
	BRT+ BRT-	Press them to increase or decrease brightness, press anyone of them over 3s,current brightness is restored to Default status
	DIY modes	Press them over 3s, LED flickers twice, then remember current change mode on this button, it can save 4 modes, just press it once then enter into pre-setup mode
	DIY modes of remote	Press them over 3s, LED flickers twice, then remember the current mode on this button, it can save 8 modes, later can reach your pre-setup mode by just pressing it once.
	PLAY	Cycle play the 4 pre-setup modes in controller.
	PLAY+	Cycle play the 8 pre-setup modes in IR remote controller.
	RGB Dimming Key	1. Press single R, G, B key continuously to change the brightness of RGB LED.

Changing patens

Nº	Models	Descriptions	Operation
1	Static Red	Normally on red	Brightness are adjustable
2	Stactic Green	Normally on green	
3	Static Blue	Normally on blue	
4	Static Yellow	Normally on yellow	
5	Static Purple	Normally on purple	
6	Static Cyan	Normally on cyan	
7	Static White	Normally on white	
8	3-color skipping	RG change	Speed and brightness are adjustable.
9	7-color skipping	RB change	
10	White color strobe	GB change	
11	3-color smooth	RGB change	
12	Full color smooth	Color change	
13	RG color smooth	White strobe	
14	RB color smooth	RGB strobe	
15	GB color smooth	Color strobe	
16	White color fade & change	Red fade	
17	Great cycle	Green fade	
18	RGB static dimming	0-100% dimming per RGB	

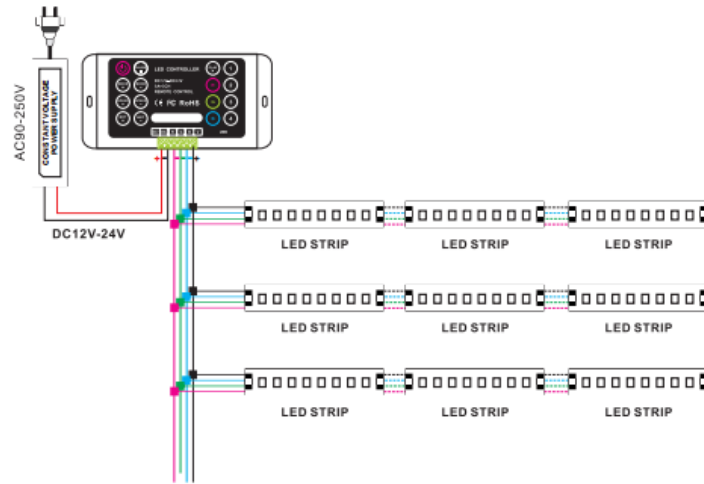
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Wireless remote control button instrucionins

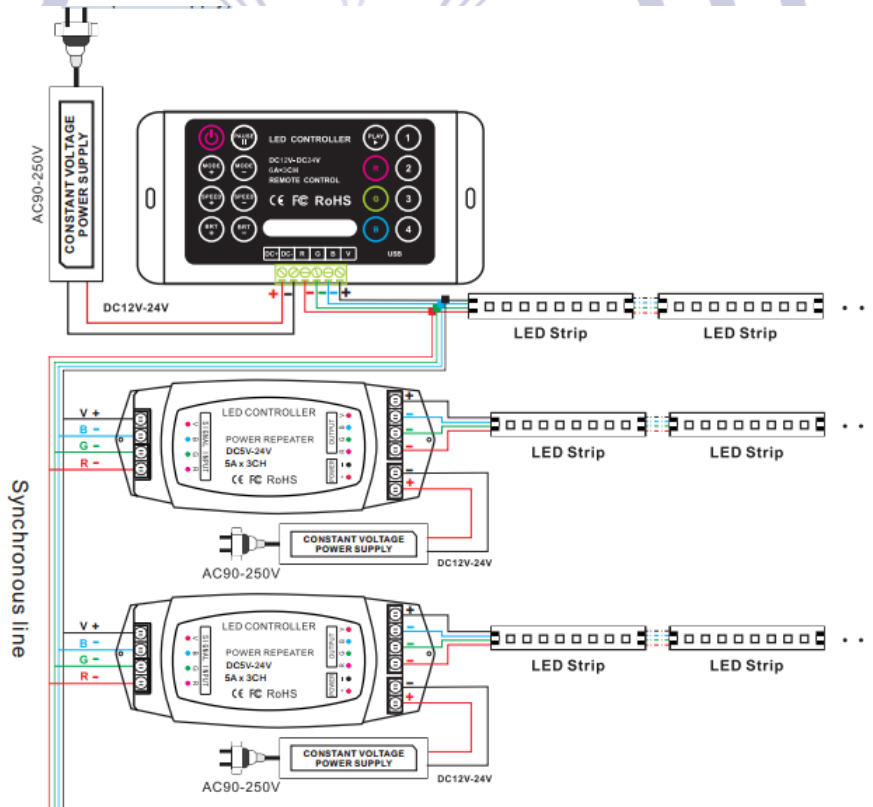


Conjunction Diagram

1) Controller with LED Strips



2) Connect to power repeater (the controller and the amplifier can share the same power supply)



KINDLY REMINDER

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

