

RGBW Controller User Manual



(Please read through this manual carefully before use)

1. Brief Introduction

Welcome to use our RGBW controller, this controller adopts to PWM(Pulse-Width Modulation) control technology is a general high performance power controller which can change the color integrally; it can be directly input AC100-240V voltage, output DC24V for RGBW lamps. No longer need to worry about the external power, easy to use. And the interface using 4 groups of three independent LED digital display, understand at a glance.

2. Specifications

Model	RGBW Controller
Input Voltage	AC100-240V
OUTPUT Voltage	DC24V
Max Output Power	50W
Product Dimension	L182xW115xH45(mm)
Weight(G.W)	680g

3. Feature function

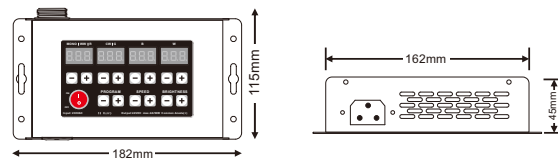
1. AC100- 240V voltage direct input, four-channel constant voltage output, total output current is 2.5A ;
2. Adopt to four groups of 3-digital independent display, four independent dimming button , can DIY a color you like , adjust the color soft and stable, without flickers ; RGBW 4096 grey scale levels each ;
3. 6 kinds of build-in modes ;
4. Power loss memory function.

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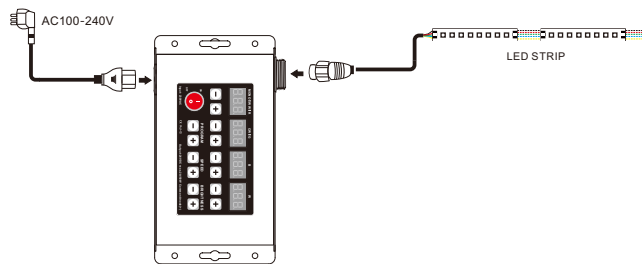
4. Safety warnings

- Please don't install this controller in lightning, 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 DC5-36V power supply with constant voltage)
 - 4.Don't connect cables with power on; make sure a correct connection and no short circuitchecked 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

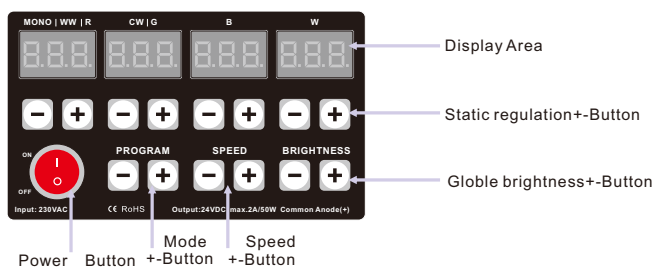


6. Conjunction Diagram



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7. Operation instruction



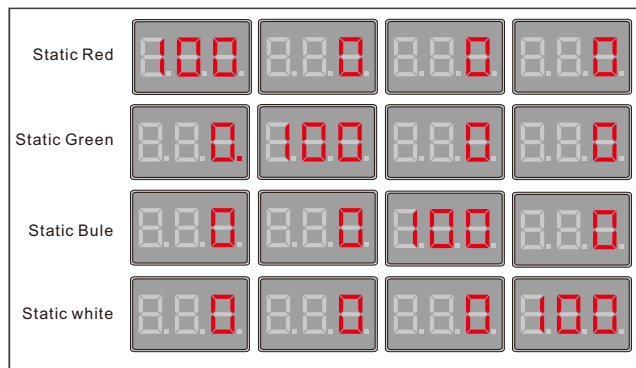
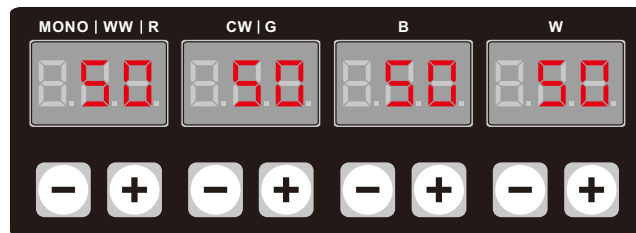
Instructions of the keys :

Sign	Instruction
	Main power switch turn to ON position to turn on controller; To OFF to shut down the controller
	Red Brightness+-ButtonKey supports short and long presses, Short Press:one press plus one or minus one, ranging from 0% to 100%; Long Press: 5 seconds from the darkest reaches the brightest or from the brightest to the darkest; button without circulation
	Green Brightness+-ButtonKey supports short and long presses, Short Press:one press plus one or minus one, ranging from 0% to 100%; Long Press: 5 seconds from the darkest reaches the brightest or from the brightest to the darkest; button without circulation
	Blue Brightness+-ButtonKey supports short and long presses, Short Press:one press plus one or minus one, ranging from 0% to 100%; Long Press:5 seconds from the darkest reaches the brightest or from the brightest to the darkest; button without circulation
	White Brightness+-ButtonKey supports short and long presses, Short Press:one press plus one or minus one, ranging from 0% to 100%; Long Press: 5 seconds from the darkest reaches the brightest or from the brightest to the darkest; button without circulation
	Mode+-Button,press this button, to change to next dynamic mode, Five dynamic mode optional, button without circulation,not support long press
	Speed+-Button,press this button to choose 1-10 levelspeed of change,button without circulation , not support long press
	Whole brightness+-Button,press this button to increase or decrease the overall brightness of the lamp,Short Press:one press plus one or minus one, ranging from 0% to 100%; Long Press:5 seconds from the darkest reaches the brightest or from the brightest to the darkest; button without circulation

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Power, put the rocker switch on the control panel to position ON, then the indicator light of the rocker switch and each LED digital tube will be illuminated, four groups of three LED digital tube displays the current setting, different setting indicates that the controller working in different working conditions. After one minute's working, LED digital tube will exterminate all, press any key to resume display.

1. Static adjustment: Through each LED digital tube below the +- button(button support short and long presses), a total of 8 buttons to adjust the red, green, blue, white four colors; LED digital tube displays the red, green, blue and white color respectively corresponds to the percentage of gray.Users can gray out the percentage of each group to DIY favorite color, and by pressing BRIGHTNESS+/- keys to change the overall brightness.



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2. Dynamic mode:Five kinds of dynamic mode , with 10 adjustable speed, global brightness is adjustable from 0% -100%. Four groups LED digital tube display: model number, speed rating, period, brightness percentage.



Speed rating list:

Speed rating	Period
1	512s
2	256s
3	128s
4	64s
5	32s
6	16s
7	8s
8	4s
9	2s
10	1s

Dynamic mode list:

NO.	Change Mode
1	RGB full color smooth
2	RGBW full color smooth
3	Warm color smooth
4	Cold color smooth
5	Cyan, Purple smooth

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8. Exception Handles

Malfunction	Causation	Solution
No light	1、 No power from the socket 2、 Wron or lose connection	1、 Check whether the interface is good contact 2、 Check connection
Wrong color	3、 RGBW wrong wiring	3、 Re-wire RGBW
Brightness of the LED is not even	5、 Output wire too long, voltage drop 6、 Wire diameter too slim, voltage drops 7、 Power supplier overloads 8、 Controller overload	5、 Reduce cable or use loop connection 6、 calculate the current and change to a wider wire 7、 Change to another large power supplier 8、 Add a power repeater
Mode not change	9、 The setting of speed is too low	9、 Press the button to increase speed

9. 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 cctions 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, inapproaused 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 connepriate storing at high temperature and humidity environment or near harmful chemicals.

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