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# Product Specifications

**Product Name: 2.4G Plastic shell Touch RGBW Controller**



## Product Description

This 4 zone 2.4G RF remote RGBW led controller adopt the most advance PWM control technology, can control all kinds of 4 channel (common anode) LED lights. Such as LED module, led strip, led control box, led source, etc. This controller is with indicating light and power off memory function, next time to used it, will start with the model it save. Easy connection and simple to used is the representative advantages of this controller. User can choose different changing mode, adjust the speed and brightness, turn on/off by the remote control according to their preference .

## Technical Parameters

- Working temperature: -20~60°C
- Supply voltage: DC12V~24V
- Output: 4 Channel
- Connection mode: Common anode
- Controller size: L152×W41×H28mm
- Net weight: 110g
- Static power consumption: <1W
- Output current: <6A/CH
- Output power: 12V:<216W, 24V:<432W

## External dimension

(Receiver size)



(Remote size)



## Connection description:

### Power input interface:



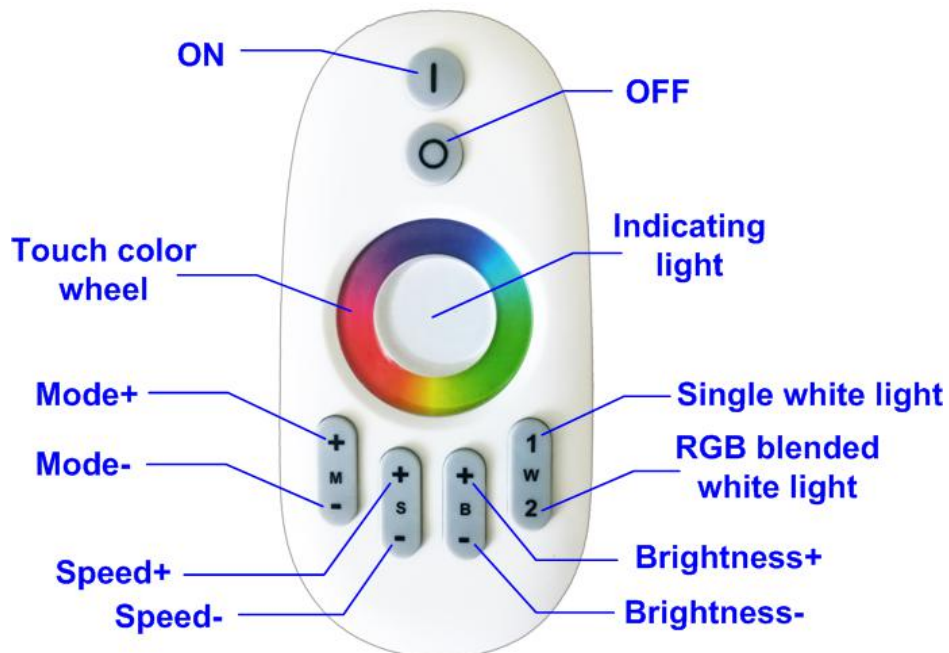
Adopt male and female connector with screw

### Load output interface:



Adopt male and female connector with screw.

## Remote Control Function



The Remote control parameter are as below table:

Item	Parameter	Remarks
Supply voltage	3V	2pcs AAA battery
Transmitting frequency	2400-2483.5MHz	
Control Mode	GFSK	
Transmitting power	6db	
Static power consumption	10uA	
Remote distance	20-30M	
External dimension	110*55*20mm	

## Direction for use

### ●Function introduction:

1、 Use the 2.4G frequency RF remote control, no need to make the remote direct to the controller, and the RF remote can controlled it across obstacles.

2、 In the open area remote control distance is about 30 meters.

3、 Adopt the press key and touch wheel control remote, slightly touch the color wheel can adjust the light's color smoothly .

### ● Operation method:

1. Connect the load wire at first, following by the power wire; Please ensure short circuit can not occur between connecting wire before you turn on the power;

2. Only the power button is effective in the OFF station, press the power button for the first time then controller will enter to the last mode before turn of the controller last time (memory off function).

3. In ON station, only press the "MODE+" button or "MODE -" button to choose the the former or later mode, total are 28 modes as below table:

NO.	MODE	Adjustable station	NO.	MODE	Adjustable station
1	Static Red	Brightness adjustable(total 10level), speed can not adjust	15	Green stroboscopic	Brightness adjustable(total 10level), speed adjustable(total 10 level)
2	Static Green		16	Blue stroboscopic	
3	Static Blue		17	Yellow stroboscopic	
4	Static Yellow		18	Purple stroboscopic	
5	Static Purple		19	Cyan stroboscopic	
6	Static Cyan		20	White stroboscopic	
7	Static White		21	Red blasting flash	
8	RGB 3 color jump	Brightness adjustable(total 10level), speed adjustable(total 10 level)	22	Green blasting flash	
9	Six color fade		23	Blue blasting flash	
10	Seven color jump		24	Red-Blue jump	
11	RGB 3 color fade		25	Green-Blue jump	
12	White color fade in and fade out		26	Red-Green jump	
13	Seven color fade		27	Single white flash	
14	Red stroboscopic		28	8th-27th mode cycle	

4. When in the cycle mode, Press the "MODE +" Button it will turn into "Static Red MODE" (The 1<sup>st</sup> mode). Press the "MODE -" Button it will turn into the "Single white flash MODE" (The 27<sup>th</sup> mode)

5. Press the "MODE+/MODE -" Button when is in the touch color wheel adjust color mode, it will turn into The last of the selected mode.

6. Long Press "Speed +/Speed -" or "Brightness +/Brightness -" button can quickly adjust the speed/brightness.

● **Match code and clean code Instruction:**

**Match code:** For a new combination, the remote must to match code with the receiver then it can be used normally.

Please press the ON Button for 5 times within 8 seconds when power the controller, then the output led light will be flash for 6 times, this means the remote is match code with this receiver successfully, they can used normally.

**Clean code:** if user want to change the light control group, he can clean the code off. After clean code the remote and receiver will be in the initial state. Operation method: Press the OFF Button for 5 times within 8 seconds when power the controller, till the output light flash for 6 times, means clean code successfully.

**Remarks:** The regular product for sale is a kit (one remote and 1 receiver). The user can re-programmed freely as needed. One remote can control countless receivers, but one receiver can only be controlled by two remotes max.

## Typical Application



### Cautions

1. This products Input voltage is DC12-24V, other input voltage are not allowed.

Lead wire should be connected correctly, according to the wire color and the connecting diagram offers.

Overload are prohibited.

In order to promote the touch sensitive of the color wheel, please don't touching the light adjusting color wheel when installing the battery to the remote. when using the remote, if sensitive are low, please remove the battery and re-install it again.

2. Please do not used the controller around a wide range of mental area or do not used nearby strong electromagnetic wave area, otherwise, it will seriously affect the remote distance.