

Model Number: CG06

Product name: 2.4G grouping RGB led touch remote controller

Products specification



Product Description

This is a high-performance 2.4G 4-zone RGB LED touch remote controller, which is adopting the most advanced PWM control technology, controlling all RGBW LED products with 5 lines and 4 circuits (common anode), and owning 640 thousand colors and 9 kinds of automatically change modes to choose.

Also, It has the memory function (that is to say, the previous settings will be resumed when power on again). It is widely used in LED RGB strip light, LED module and so on. With the technology of the 2.4G high frequency wireless remote control, it has the characteristics of low power consumption, long distance transmission, and strong anti-interference ability, high speed telecommunications, etc.

The remote control can be divided into four groups to control, either alone, can also be unified control. And it looks fashionable and elegant, with simple and practical functions of color changing and brightness dimmable, the capacitive touch screen design makes the remote easy to use.

Technical Parameters

The controller parameters

Working temperature: -20-60°C

Input voltage: DC12V~24V

Output: 3 circuit

Connection mode: Common anode

Controller size: L85xW45xH22mm

Net weight: 85g, Gross weight: 125g

Static power consumption: <1W

Output current: <6A/ch

Output power: 12V:<216W, 24V:<432W

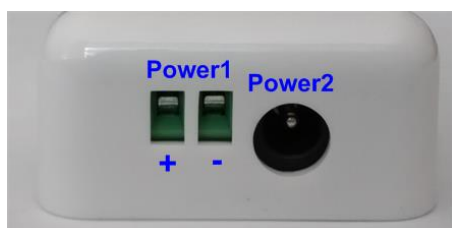
The remote parameter

Items	Parameter	Remark
Supply Voltage	3V	2* AAA battery
Transmission frequency	2400-2483.5MHz	
Modulation method	GFSK	
Transmission power	6db	
Standby power consumption	10uA	
Remote control distance	20-30m	
External dimension	120*52*20mm	



Connection description:

Power input interface:



Using with screw plugs and DC on the input interface

Load output interface:



Use to plug with screw as load output interface.

Function of the instructions



Program List (for “Mode+” and “Mode-”)


No.	Mode	Brightness state	Speed state
1	7 colors fade	Adjustable	Unadjustable
2	White fade	Adjustable	Adjustable
3	Red green blue white 4 colors fade	Adjustable	Adjustable
4	Red green blue white 4 colors jump	Adjustable	Adjustable
5	8 colors jump (7colors+white)	Adjustable	Adjustable
6	Red light fade and flash	Adjustable	Adjustable
7	Green light fade and flash	Adjustable	Adjustable
8	Blue light fade and flash	Adjustable	Adjustable
9	Full automatic play mode	Adjustable	Adjustable

●Programming (code matching and code clearing):

The item already coding between remotes and light before shipping, one remote control multiple LED lamps/strips or use a new remote control need coding operation as follows.

Code matching:



For a new kit (remote & controller), the remote can work only when it is programmed to the controller. Please follow the below instructions:

Confirm it is correctly connected between power supply, LED controller and LED load, select need to group controller. Cut off the power supply, after 10 seconds connect power supply, **Within 3 seconds**, click on the corresponding key" **Grouping lamp ON**" , the lights "**slowly flash 3 times**" is for



matching group successfully. Repeat the above steps for other groups of light to carry on the corresponding group.

●Code clearing-


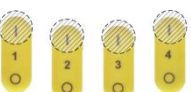
The code can be cleared as needed. The kit (remote & controller) will stay in the original state after code clearing, and it can work again when code rematching is done. Please follow the below instructions:

Confirm it is correctly connected between power supply, LED controller and LED load. Switch off the power, after ten seconds, switch on again. After turning on the power supply, long press the **“ALL ON”** button  or corresponding **“Grouping lamp ON”** , the strip light **“quickly flash 9 times”** is for clearing successfully. Then the operation of the regrouping method is the same as above "Code matching" points.

●The night white light and Fast switching white light pattern:

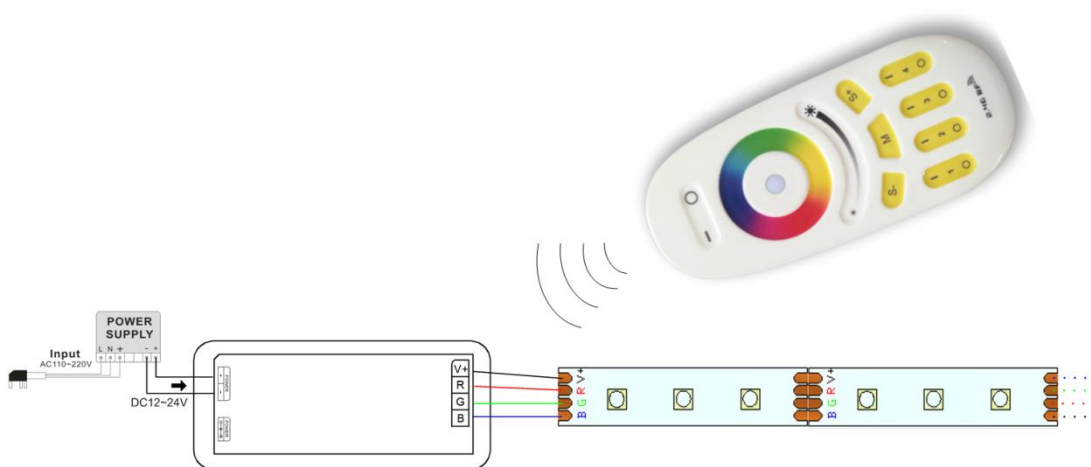
The night white light -- Normal electricity lone press the **“ALL OFF”** button , then all lights will be set to the night white light pattern at the same time. Lone press **“Grouping lamp OFF”** button  then the corresponding group light is set to the night white light. The night

white light is the 2% brightness of the white light maximum brightness.

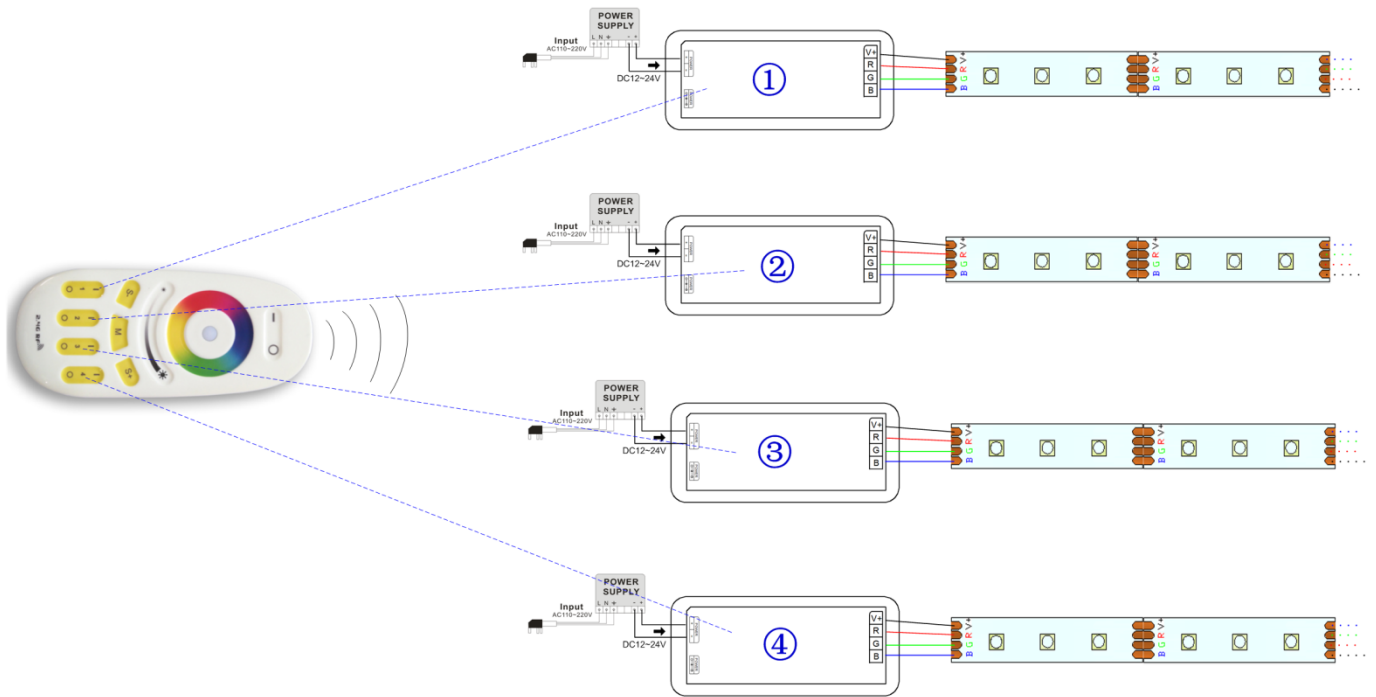
Fast switching white light -- Normal electricity lone press the **“ALL ON”** button , then all lights will be switched to the white light pattern at the same time. Lone press **“Grouping lamp On”** button , then the corresponding group light is switched to the white light.

Connection diagram

(1) One to one



(2) One to four groups (each group can code with multiple receivers)



Cautions:

- 1、 This product only use on supply voltage DC12-24V, do not input on other voltage.
- 2、 The lead wire shall be according to the wiring diagram of the color and label, connect correctly.
- 3、 This product cannot be overloaded.
- 4、 Please keep your finger away from the touch ring when installing the batteries, to improve its sensitivity, and use the remote (3 seconds later) after the batteries are installed. Please reinstall the batteries, if the touch ring is found low-sensitivity.
- 5、 Do not put the controller in a wide range of using metal area, or near a strong electromagnetic wave area, otherwise it will seriously affect the communication distance.