

Model: 9059

Name: 2.4G Music Controller



Product Description:

2.4G Music Controller adopts the advanced micro control unit. It is used for controlling a variety of LED lamp. For instance, LED strips, LED module light , LED light box, uminous characters etc. It has many advantages such as low cost, convenient connection and ease of use; with memory storage function, you can adjust the static brightness, static color, dynamic speed regulation and so on lighting change effects via the RF 2.4G remoter. When it is in sound-control mode, the colors will change with the music rhythm.

Main features:

- RF 2.4 G wireless remote control signal, sensitive and stable, strong anti-jamming capability.
- Voice receiving sensitivity is adjustable
- 3 set of output can realize more convenient for wiring
- Adopt the self-locking socket
- 2 kinds of acoustic change model optional
- Wide input voltage high power output

Technical Parameters

- Working temperature: -20~60℃
- Supply voltage: DC5V, 12V~24V optional (please specify required voltage when order is placed)
- Output: Three CMOS drain open circuit output, three-way joint
- Connection mode: Common anode
- Controller size: L155×W75×H30mm
- Unit package size: 162*82*58mm
- Net weight: 155g
- Gross Weight: 205g

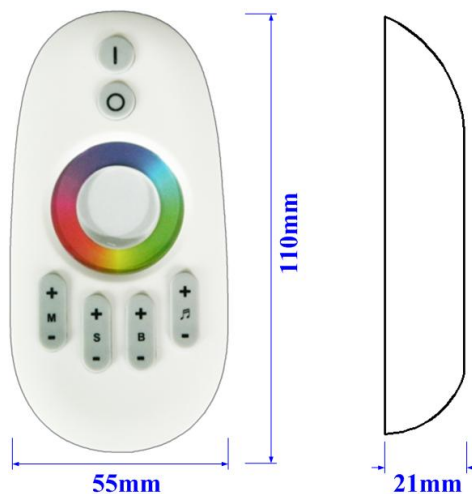
- Static power consumption: <1W
- Output current: <5A(each circuit)
- Output Power: 5V<75W, 12V<180W, 24V<360W

External dimension:

(controller size)



(Remote control size)



Connection description

Power input interface



(Adopt the 2 hole plastic green connection seat, with screws on it)

Load output interface

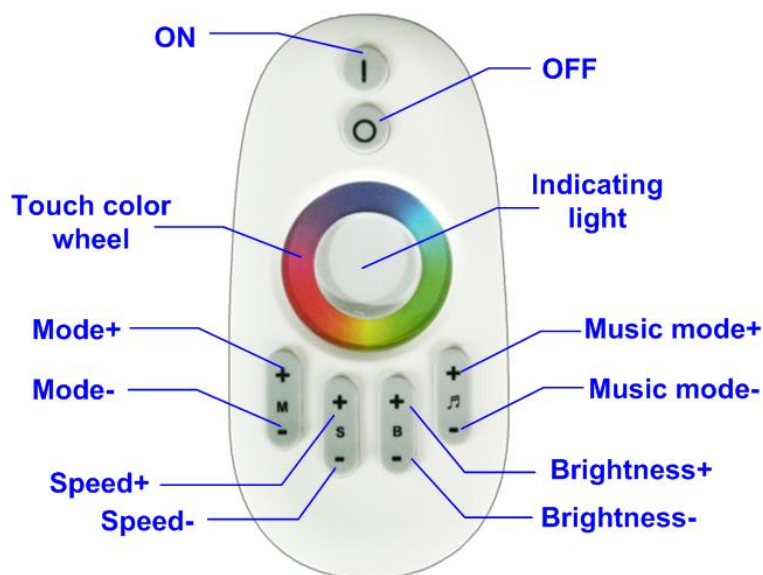


(Three parallel output, 4 hole plastic gray connection seat, with card holder function)

Sensitivity adjustment port, to adjust induction sensitivity to sound under the sound-control mode



Remoter button Description



The Remote control parameter 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 temperature smoothly .

● Operation method:

- 1.Connect the load wire at first, following by the power wire; Please ensure short circuit cannot 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. After start up, press "Mode+" "Mode-" can realize 22 kinds of effect mode selection. The mode is shown in the table below:

Number	Mode	Adjustable state	Number	Mode	Adjustable state
1	Static red	Brightness is adjustable to level 10, speed is not adjustable	12	Seven colors gradient	Brightness is adjustable to level 10, speed is adjustable to level 10
2	Static Green		13	Red strobe	
3	Static blue		14	Green strobe	
4	Static yellow		15	Blue strobe	
5	Static purple		16	Yellow strobe	
6	Static cyan		17	Purple strobe	
7	Static white		18	Cyan strobe	
8	Red green blue jump	Brightness is adjustable to level 10, speed is adjustable to level 10	19	White strobe	
9	Six colors gradient		20	Red blue jump	
10	Seven colors jump		21	Green blue jump	
11	Red green blue gradient		22	Red green jump	

4. When it is in cyclical mode, press "mode+", can be back Static red (1), press "mode-", can be back Red green jump (22).

5. When it is in color wheel adjusting mode, press "mode+" or "mode-", will be back the last selected mode.

6. When it is in music mode, press "mode+" or "mode-", will be back the last selected mode.

7. Long press "speed+"; "speed-" "brightness+" "brightness-", can adjust the speed and brightness.

8. Press "Music mode+" or "Music mode-", the controller go into voice controlling statue, the output will be changed following the music rhythm. There are 10 change effects available as following:

Number	Mode	Number	Mode
1	DJ Red	6	DJ Cyan
2	DJ Green	7	DJ White
3	DJ Blue	8	DJ seven colors
4	DJ Yellow	9	Jazz seven colors
5	DJ Purple	10	Tenderness seven colors

● Music mode supplemental instruction :

1) DJ music mode: all colors will strobe change following the music/sound rhythm. If no music/sound input or sensed, all colors off.

2) Active music mode: all colors will jump change following the music/sound rhythm. If no music/sound input or sensed, current colors keep lighting.

3) Tenderness music mode: all colors will jump change following the music/sound rhythm. If no music/sound input or sensed, all colors will gradually change.

● Match code and clean code Instruction:

For a new combination, the remote must to match code with the receiver then it can be used normally. Before match code, you must ensure the LED Controller, power supply and led light are connected correctly,

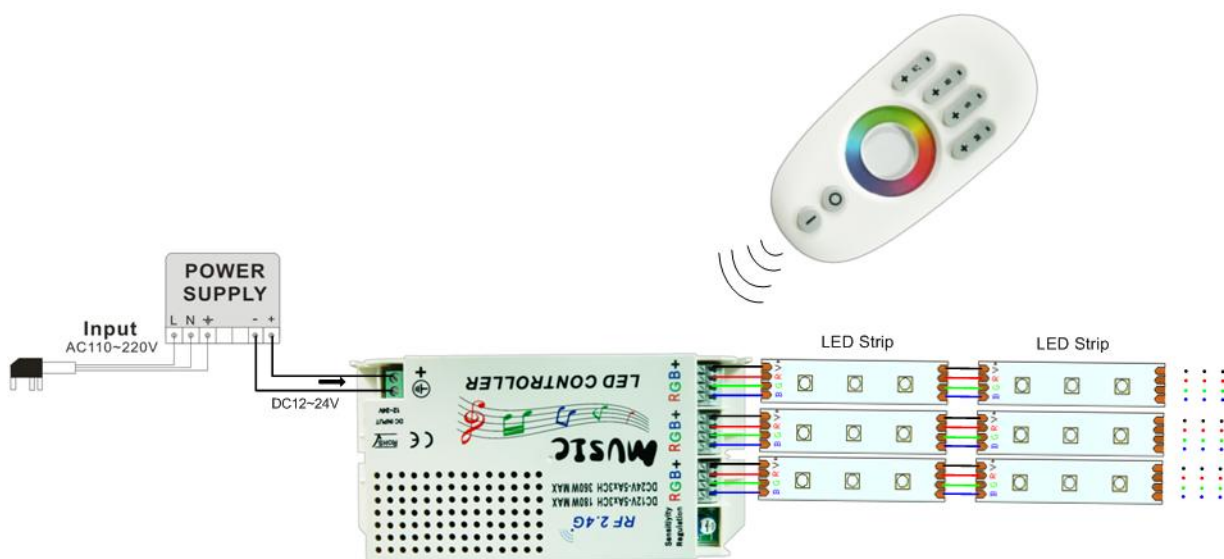
then cut off the power, and re-power it again.

Match code: Please press the "ON" Button for 5 times within 8 seconds after 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 users 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 DC5V/12-24V, other input voltage are not allowed.
- 2、 Lead wire should be connected correctly, according to the wire color and the connecting diagram offers.
- 3、 Overload are prohibited.
- 4、 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.
- 5、 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.