
Product Specification

Model number: JM-Z8-RGBWC

Products name: 2.4G 8 Zones Touch Remote RGB+CCT Controller



Product Description

The 2.4G 8 zone RGB+CCT remote control is a universal body touch controller, which adopts the most advanced PWM (Pulse Width Modulation) control technology; it can control all kinds of DC12V-24V LED lighting products, for example: LED module, LED strips, LED light box, LED light source, etc. It is easy to connect and simple to use, with synchronous indicating light and power off memory function etc. Users can choose different kinds of dynamic and color models, adjust brightness, color temperature, speed, etc. Models include flash effect, strobe effect, fade effect and so on.

Technical Parameters

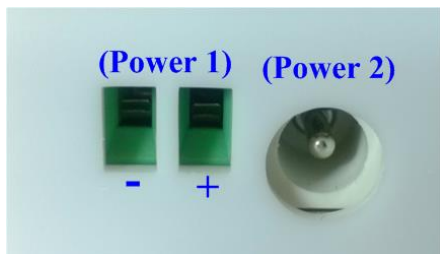
- Working temperature: -20~55°C
- Supply voltage: DC12V~24V
- Output: 5 Channel
- Connection mode: Common anode
- Controller size: L85×W45×H23mm
- Remote size: L157×W53×H18mm
- Static power consumption: <1W
- Output current: <4A/CH
- Output power: 12V:<240W; 24V:<480W

External dimension



Connection description

Power input interface:



Power 1: Adopt wire plug-in and screwing terminal power input

Power 2: Adopt the DC female Connector.



Adopt wire plug-in and screwing terminal output

Direction for use

• Remote Function introduction:

Item	Parameter	Remark
------	-----------	--------



Supply Voltage	3V	2*AAA batteries
Transmission Frequency	2400-2483.5MHz	
Control Mode	GFSK	
Transmission Power	6db	
Static power consumption	10uA	
Remote distance	20-30m	
External dimension	157×53×18mm	

● Remote Function introduction :

- 1、 This RF remote control can control the light through obstacles even do not direct to the receiver.
- 2、 It can control the light within 20-30 meters in open area.
- 3、 It can smoothly change the brightness of light and speed of dynamic models through the switch button on the remote control.

● Operation method:

- 1、 Connect the load wire at first, following by the power line; Please confirm no short circuit between connecting wire before you turn on the power;
- 2、 Only the ON button can work when you turn off the controller, it can remember the last mode you save when you turn on it again, Which means memory function.
- 3、 Multi-zone instruction:

Match code:

Connect the power at first, then press the X (X =1,2 ,3 4, 5,6 ,7 ,8) Zone ON button 3 times within 8 seconds, when the output led light flash 3 times slowly, means match code success. Every zone match code and control separately, for example, Match receiver A to Zone 1, then Zone 1 control receiver A, Match receiver B to Zone 2, then Zone 2 control receiver B and so on, Master ON/OFF control them all.

Clean code:

If you want to change the Zone combination, the link between remote and receiver can be cleaned. Then rebuild the link as required.

Connect the power again, then press the X (X =1,2 ,3 4, 5,6 ,7 ,8 zone) group ON button 3 times within 8 seconds, when the led light flash 9 times quickly, means clean code success.

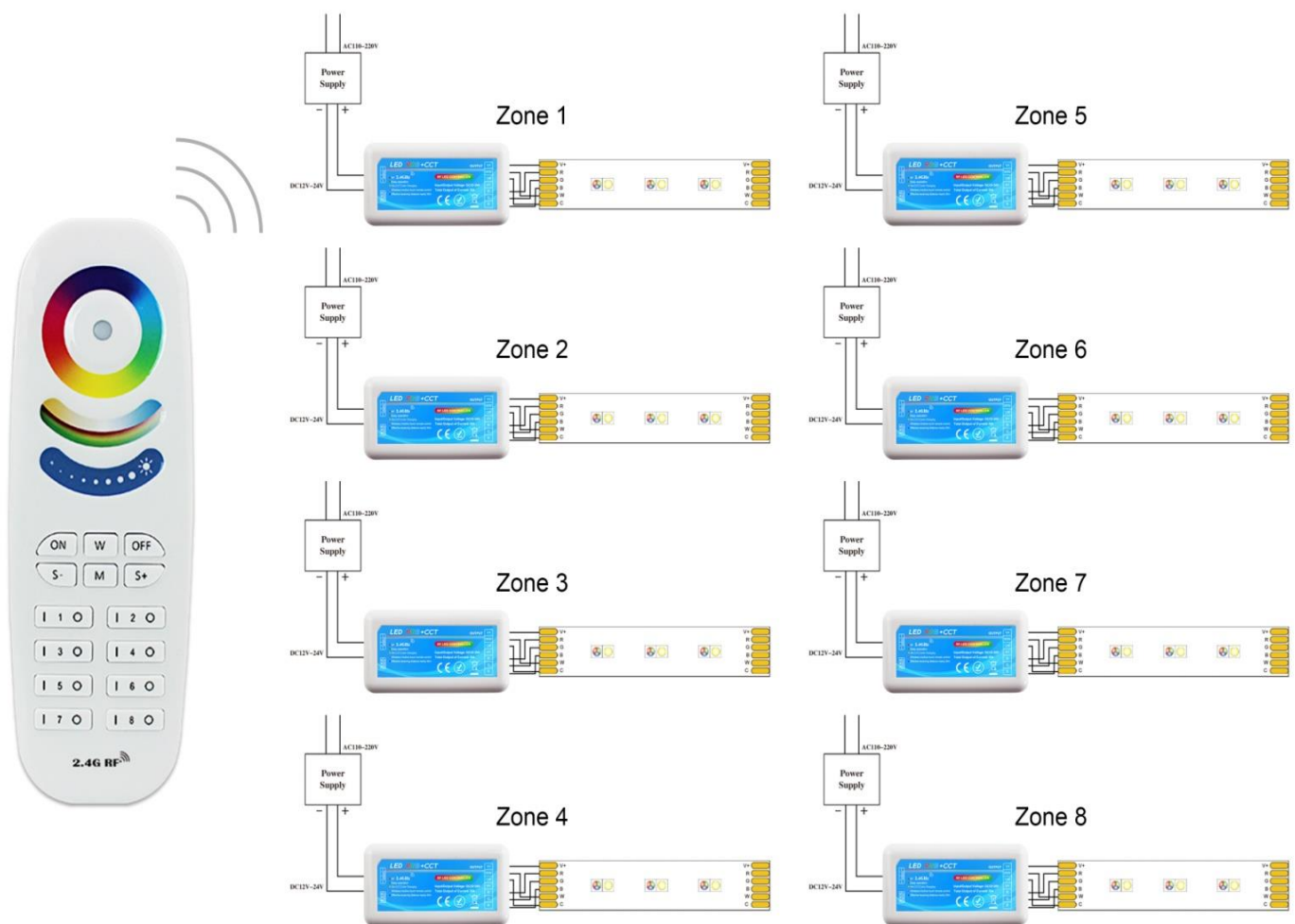
Remark: One remote control can control 8 zone controllers, every zone can control many receivers, for example, 80 receivers can divide 8 groups, then every group can control 10 receivers, one remote control can control 80 receivers, and they can achieve synchronous brightness effect.

- 4、 Press the model button “M”, 9 different dynamic model as following:

序号	模式	
1	7 color gradient	
2	White fade in and fade out	
3	Red green blue fade in and fade out	

4	7 color jump to change	Brightness is adjustable, speed is adjustable
5	7 color strobe	
6	Red color fade in and fade out+ flash 3 times	
7	Green color fade in and fade out+ flash 3 times	
8	Blue color fade in and fade out+ flash 3 times	
9	White color fade in and fade out+ flash 3 times	

Typical Application



Cautions

- 1、 This voltage is the constant voltage of DC12V-24V, do not connect to other voltage.
- 2、 Please correct connect according to the wiring diagram, pay attention the wiring color and mark on the led light.
- 3、 Please do not overload to use it.