

# Product Specification

**Name: Wireless 20 Keys Controller (Aluminum shell)**

**Model: RF220**



## 1. Summarization

RF220 controller is small size wireless controller which newly introduced by our company. There have 3 or 4 output channels for user's choice and there is One-Click selection to choose what color be need. It is convenient and easy. It is used for controlling a variety of lamp whose source of light is LED. For instance, point source of light, flexible light strip, wall washer lamp, glass wall light etc. It has many advantages such as convenient to connect, easy to use and others. According to the actual need of customers, it can carry out jumpy changing, gradual changing, stroboflash and other effects of lighting change.

## 2. Technical Parameter

2.1 working temperature: -20-60°C

2.2 supply voltage: DC12V-24V

2.3 output: 4 channels

2.4 connection mode: common anode

2.5 product size: L200 X W146 X H36mm

2.6 packing size: L200 X W146 X H36mm

2.7 net weight: 69g

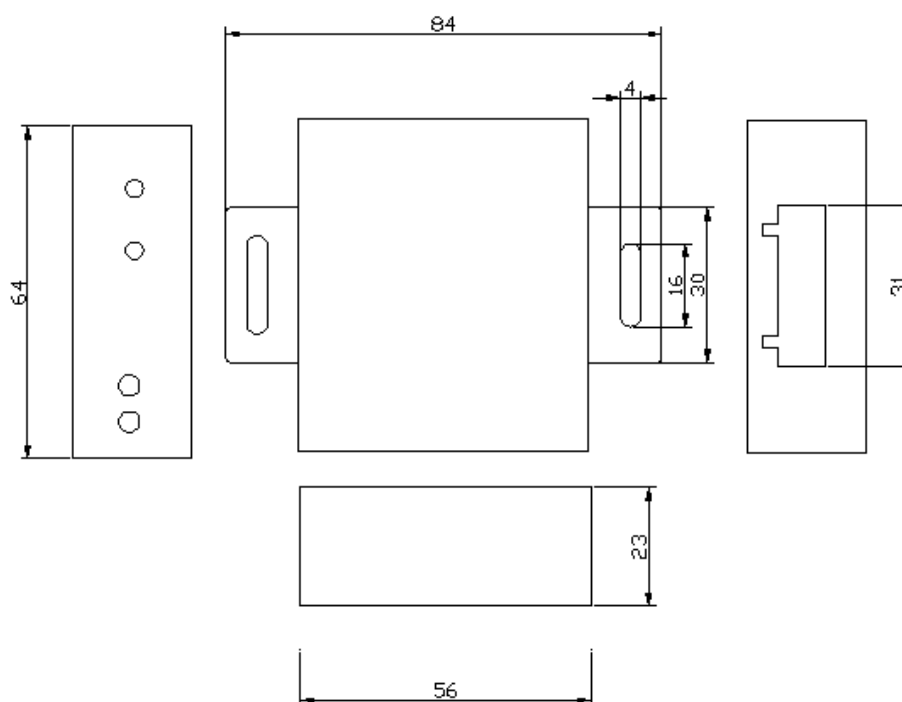
2.8 gross weight: 130g

2.9 static power consumption: <1W

2.10 output current: <3A (each channel)

2.11 output power: 12V:<144W, 24V:<288W(Calculated by 4 channels)

### 3.External Dimension





### 4.Control Descriptions

#### 4.1 Button indicator descriptions



1. Power: power indicator, it lights up when connected with external power supply;
2. Signal: RF signal indicator, it flashes when receiving correct remote control signal;
3. Match: match code and delete code key/ turn on and turn off

Delete code: Long press the key and press  for 2s and then white light flashes 5 times means delete code successfully. After deleting code all the same type of remote control can control.

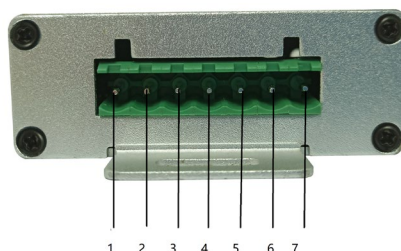
Match code: Long press the key and press  for 2s during work process, it executes match code operation, white light flashes 3 times means match code successfully. After matching code, only the remote control with the same address code can be used for controlling;

Short press to turn on or turn off.

4. Function: mode key

Long press the button to switch 3 or 4 channels output. Switch to 3 channels mode, the G channel lights up and other channels lights off. Switch to 4 channel mode, the W channel lights up and other channel lights off. Short press mode plus.

#### 4.2 Terminals description







No.	Name	Type	Description
1	W	Output	White
2	B	Output	Blue
3	G	Output	Green
4	R	Output	Red
5	V+	Output	Common terminal
6	V+	Input	The positive power supply
7	V-	Input	The negative power supply

#### 5.Direction for use

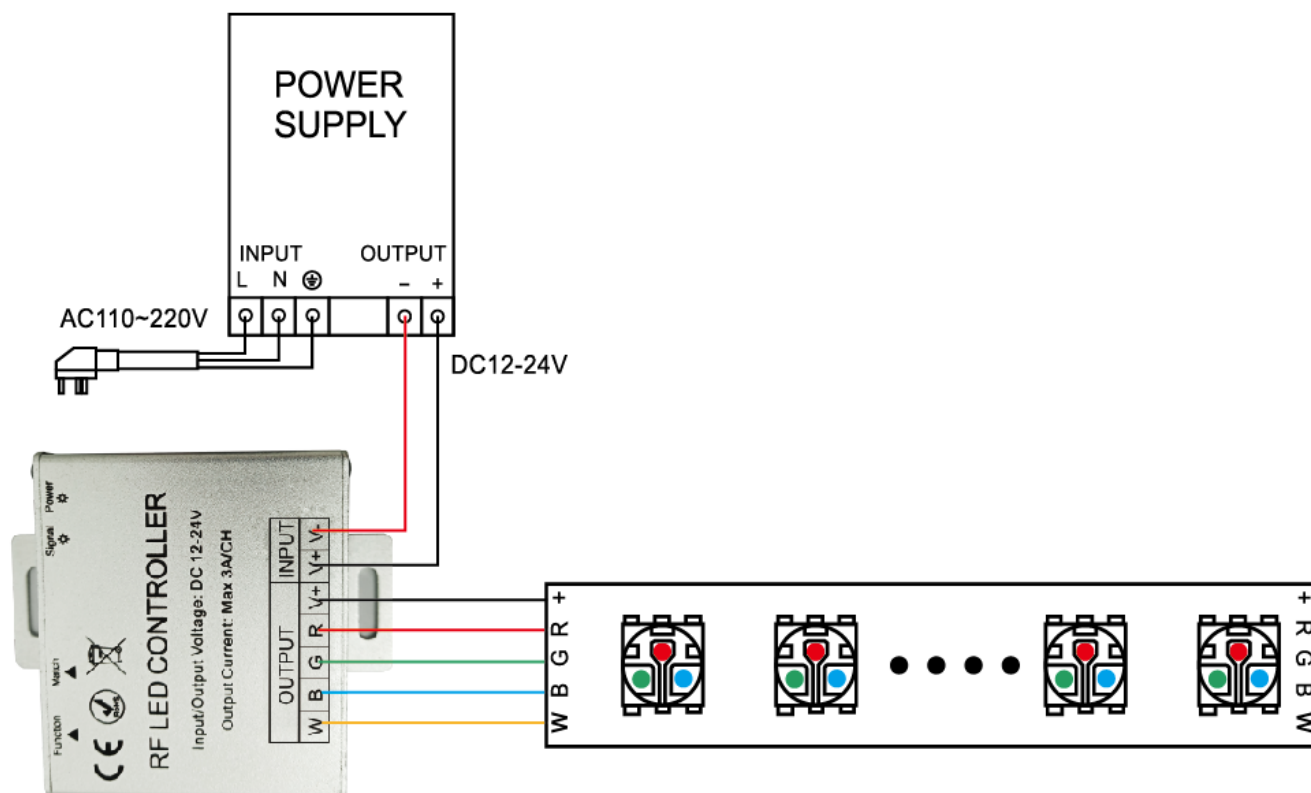
##### 5.1 Direction for use of remote control:

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. Standard changes as follows:

Button	Button description	remarks
	ON/OFF	You could turn on or turn off the output of controller in any case
	Play/Stop	Play or stop led changing, easy to observe led static effect
	Brightness increase	To control the brightness of output signal, brightness series will add 1 level once when you press it, 25 levels total
	Brightness decrease	The brightness series will reduce 1 level once when you press it
RED	Static red	Brightness is adjustable, Speed is unadjustable.
GREEN	Static Green	
BLUE	Static Blue	
WHITE	Static white	
ORANGE	Static Orange	
YELLOW	Static Yellow	
CYAN	Static cyan	
PURPLE	Static Pink	
AUTO	Automation	Run all the modes automatically
JUMP3	3 Color step change	Brightness is unadjustable, Speed is adjustable
FADE3	3 Color fade change	Brightness is unadjustable, Speed is adjustable

SPEED+	Speed increase	The speed will add 1 level once when you press it. 10 levels total.
FLASH	Seven colors flash frequency	Brightness is unadjustable, Speed is adjustable
JUMP7	7 Color step change	
FADE7	7 Color fade change	Speed is adjustable, brightness is unadjustable
SPEED-	Speed decrease	The speed series will reduce 1 level once when you press it

## 6. Typical Application



## 7. Remarks

- 7.1 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;
- 7.2 Power supply voltage range is DC12~24V, more than voltage range maybe burn out the controller.
- 7.3 When not use the touch remote control for long time, we suggest you to take down the batteries.