

## **Контроллер FS-RF20BM-1 (12/24V, 180/360W, ПДУ 20кн)**



### **INTRODUCTION:**

RF wireless LED Controller Series is universal RGB Integrated controller, can be controlled any angle (within the rated range), adopt most advanced PWM digital adjusting technology, touched function button, elegant appearance. This controller adopts advanced Microcontroller ICs, capable of controlling all four cabled three channels LED RGB lighting products, widely apply to both commercial and household applications; such as RGB LED modules, LED strip, SMD Flex-strip etc.

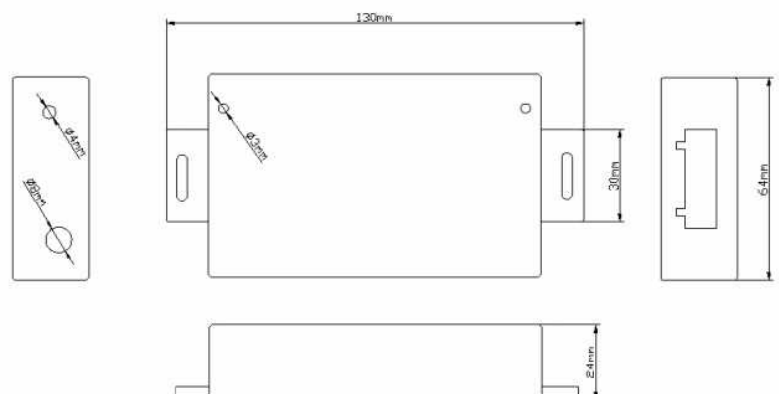
### **FEATURE:**

- Apply for LED Lighting with 12V-24V working voltage automatically.
- With 11-17 conversion modes, with static and dynamic modes etc.
- With 64 speed class can be choice for dynamic modes.
- With 20 keys RF controller.
- Both common anode and cathode are available, can control all RGB Lighting.
- When matched with amplifier, theoretically it can magnify output power infinitely.
- Theoretical remote controlled distance: 50m with obstacle; 100m without obstacle.

### **ELECTRICAL SPECIFICATION:**

- |                                     |                                   |
|-------------------------------------|-----------------------------------|
| • Working Voltage:                  | DC12-DC24V;                       |
| • Working temperature:              | -20~+60°C                         |
| • Output:                           | 3 channels CMOS open-drain output |
| • Connecting mode:                  | Common anode                      |
| • Transmission/Receiving frequency: | 433 MHz                           |
| • Static power consumption:         | <1W                               |
| • Max output current:               | 5A/Channel                        |
| • Max output power:                 | 180W (DC 12V),<br>360W (DC 24V)   |
| • External dimension:               | L130 XW65 X H24mm                 |
| • Packing dimension:                | L137 XW98 X H47mm                 |
| • Net weight:                       | 185g                              |
| • Gross weight:                     | 220g                              |

### **DIMENSION (unit: mm):**



## INTERFACE SPECIFICATIONS:



Power input interface:  
DC input



Power input interface



Output interface: male and  
female connector with screw

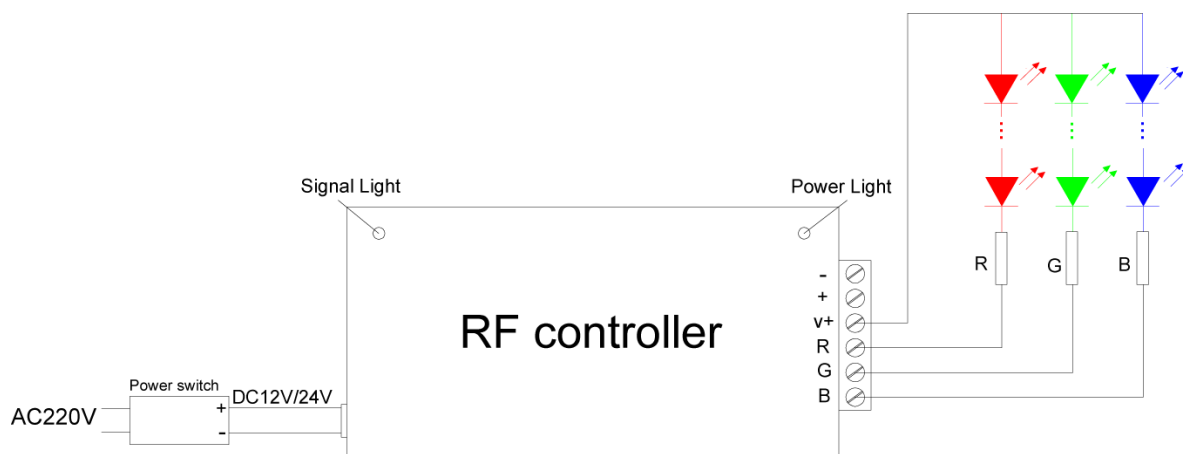
## OPERATION INSTRUCTION:

1. Connect the load wires at first, following by the power wires; Please ensure that short circuit cannot occur between connecting wires before you turn on the power
2. Adopt RF control method, function of each button as below:

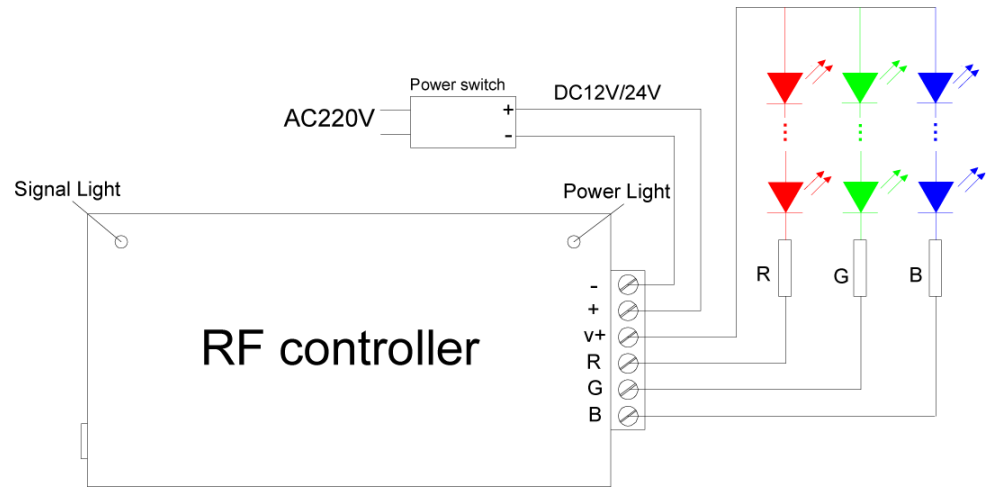
Symbol	Remark
	In any state, you could turn on/off the controller at any times
	Pause button; one press, the dynamic mode change will stop; once more, it will come back to normal
	Brightness adjustment button; the brightness will increase/decrease one level when you press the button one time
	Display the corresponding color of the button on the remote control panel
	Auto play the dynamic modes
	Three-color jumpy change
	Three-color gradual change
	Strobing change
	Seven-color jumpy change
	Seven-color gradual change
	Speed adjustment button; the speed will increase/decrease one level when pressing the button one time

## CONNECTING DIAGRAM:

### • Method 1



- **Method 2**



### SAFE INFORMATION:

1. Please make sure cut off the power before installation;
2. Please take care of water, electric shock and vibration;
3. Please use the LED Dimmer Controller with standard working voltage DC12V-DC24V, any other voltage is not allowed;
4. Never connect two wires directly in case of short circuit;
5. Load wires should be connected correctly according to the connecting diagram offers;
6. Never peel off the label on the controller in case any indication of information will be missed;
7. Indoor use only;
8. Please read this manual carefully before using.
9. Warranty of this product is two years. Do not disassemble by non-professionals, human error or overload is not in guarantee range.

