

# 尺寸: 140x210mm

## Manual Instruction

### 2.4GHz RF LED Controller Series

Model No.: C01RF/C02RF/C03RF/C04RF/C05RF

2.4GHz RF Smart LED Controller is our newly developed LED controller series, including DIM, Dual White, RGB, RGBW, RGB CCT 5 kinds. It works with 2.4GHz RF remote controller and also works on Tuya Smart Life APP for smartphone control and 4G long distance control (Need Tuya 2.4G gateway).

### 1. Features

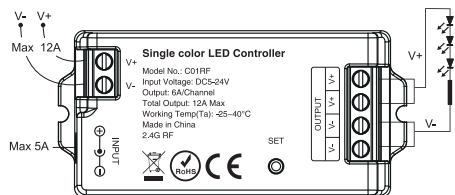
- 16 Millions of colors to choose
- Smartphone APP control (2.4GHz gateway is need)
- Color temperature 2700-6500K
- Support third party voice control (2.4GHz gateway is need)
- Dim brightness / Saturation
- Remote control Control distance 30m
- Auto-transmitting & Synchronization
- 2.4G RF wireless transmission technology
- PWM Frequency Switching
- Do not disturb function

### 2. Parameters

#### ▼ Single Color LED Controller

Model No.: C01RF  
Input Voltage: DC5-24V(5.5\*2.1mm)  
Output: 6A/Channel; Total 12A Max  
Working Temperature(Ta): -25~40°C  
Support: 2.4GHz RF  
Size: 74.5\*35.6\*16.5mm  
Control Distance: 30M

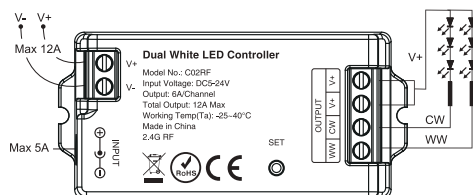
**Connection Diagram:**  
Input Voltage=Output Voltage



#### ▼ Dual White LED Controller

Model No.: C02RF  
Input Voltage: DC5-24V(5.5\*2.1mm)  
Output: 6A/Channel; Total 12A Max  
Working Temperature(Ta): -25~40°C  
Support: 2.4GHz RF  
Size: 74.5\*35.6\*16.5mm  
Control Distance: 30M

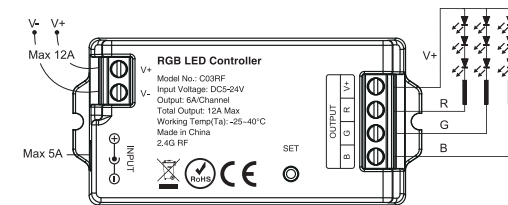
**Connection Diagram:**  
Input Voltage=Output Voltage



#### ▼ RGB LED Controller

Model No.: C03RF  
Input Voltage: DC5-24V(5.5\*2.1mm)  
Output: 6A/Channel; Total 12A Max  
Working Temperature(Ta): -25~40°C  
Support: 2.4GHz RF  
Size: 74.5\*35.6\*16.5mm  
Control Distance: 30M

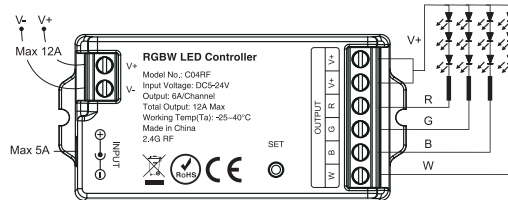
**Connection Diagram:**  
Input Voltage=Output Voltage



#### ▼ RGBW LED Controller

Model No.: C04RF  
Input Voltage: DC5-24V(5.5\*2.1mm)  
Output: 6A/Channel; Total 12A Max  
Working Temperature(Ta): -25~40°C  
Support: 2.4GHz RF  
Size: 74.5\*35.6\*16.5mm  
Control Distance: 30M

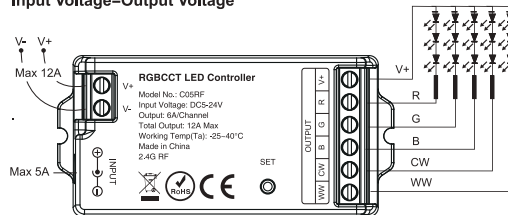
**Connection Diagram:**  
Input Voltage=Output Voltage



#### ▼ RGB CCT LED Controller

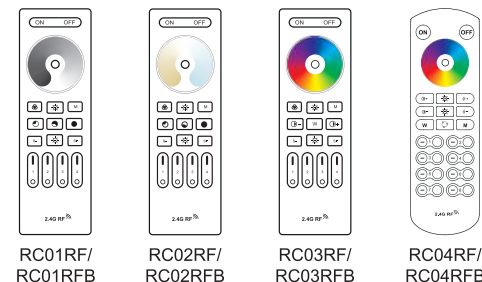
Model No.: C05RF  
Input Voltage: DC5-24V(5.5\*2.1mm)  
Output: 6A/Channel; Total 12A Max  
Working Temperature(Ta): -25~40°C  
Support: 2.4GHz RF  
Size: 74.5\*35.6\*16.5mm  
Control Distance: 30M

**Connection Diagram:**  
Input Voltage=Output Voltage



### Compatible Remote Controller:

Compatible with these remote controls (Purchased separately).  
For more details, pls read the remote instruction.

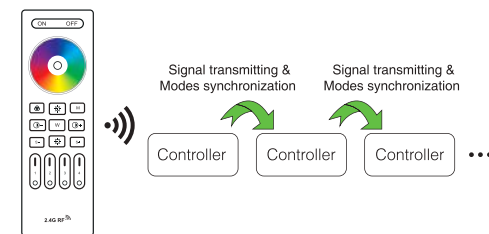


### Signal transmitting

One strip controller can transmit the signals from the remote control to another controller within 30m, as long as there is a strip controller within 30m, the remote control distance can be limitless.

### Mode synchronization

Different controllers can work synchronously when they are started at different times, controlled by the same remote, under same dynamic mode and with same speed.



### PWM Frequency Switching

#### Switch to Low Frequency:

Power on the lights for over 10 seconds, Long press the Linked remote Zone ON button for 10 seconds, When the lights blink 3 times, switch to low frequency.

#### Switch to High Frequency:

Power on the lights for over 10 seconds, Long press the linked remote Zone ON button for 10 seconds, When the lights blink 10 times, switch to high frequency.

#### Note:

- Application to switch PWM frequency: to avoid the noise when using different power supply.
- Use LM007(for DIM and Dual White controller) or LM091(for RGB, RGBW and RGB CCT controller) remote to switch the Frequency;
- The default frequency is high frequency.
- When users switch the low frequency, it may cause the lights flickering.

### Linking with remote control

#### First way:

Press and hold the "SET" button for more than 3 seconds until the light flickers once, indicating that the controller has entered linking mode. Next, quickly press the any zone "ON" button on the remote control 3 times. If the light flickers 3 times in response, this confirms that the linking process was successful.

#### Second way:

When the light is on, turn it off and wait 10 seconds, then turn it back on. Quickly press any zone "ON" button on the remote 3 times within 5 seconds. The light will flash 3 times, indicating a successful pairing.

### Unlinking with remote control

#### First way:

Press and hold the "SET" button for over 3 seconds until the light flickers once. Then, press the linked zone "ON" button on the remote 5 times within 5 seconds. If the light flickers slowly 10 times, the unlinking is successful.

#### Second way:

When the light is on, turn it off and wait 10 seconds, then turn it back on. Quickly press linked zone "ON" button on the remote 5 times within 5 seconds. The light will flash 10 times, indicating a successful unlinking.

### Do Not Disturb

What is Do Not Disturb: When switching off the power, then switching on, the lights keep off without disturbing the rest of users.

### Application to use Do not disturbing function:

- Widely use on the area where there is power failure frequently to save energy.
- When users go outside for long time, set up Do not disturb to avoid there is short circuit during this time.

#### Set up Do Not Disturb:

When the lights ON and not under dynamic mode, long press linked remote S+ button for 5 seconds, when the white lights blink once, set up the Do not disturb successfully.

#### Note:

- Do Not Disturb will be available when the light is under OFF mode by remote or APP.
- When users set up Do not Disturb, the lights need to be switched OFF-ON twice within 5 seconds or use linked remote and APP to turn on the lights normally.

#### Delete Do Not Disturb:

When the lights ON and not under dynamic mode, long press linked remote S- button for 5 seconds, when the white lights blink 3 times, delete the Do not disturb successfully.

#### Note:

- After delete the Do Not Disturb, the lights will be ON when you switch OFF, then switch ON the power.
- The default mode for the device is without Do Not Disturb, users must follow above steps to set up Do Not Disturb according to the real application.
- Please use our LM091 remote or wall remote to set up or delete Do Not Disturb.

### Attention

- Please check whether the input voltage of the constant voltage power supply is in accordance with the controller, and please check the connection of both the cathode and anode.
- The working Voltage is DC5~24V, the controller will be broken if the voltage is higher than 24V
- Non-professional user cannot dismantle the controller directly, otherwise, it may cause fire and electric shock.
- The working temperature(Ta) is -25~40°C; Do not use the device to direct sunlight, moist and other high temperature area.
- Please do not use controller around the mental area and high magnetic field, otherwise, it will badly affect the control distance.
- When the device load to 12A, wire diameter must be over 1.5mm².
- When the device load over 10A, the connecting cable must be shorter than 40cm long from DC port to LED strip.

