Manual Instruction

2.4GHz RF LED Controller Series

Model No.: K30-3011SC / CCT / RGB

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

1.Features

- 16 Millions of colours to choose
- Smartphone APP control (2.4GHz gateway is need)
- Colour 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

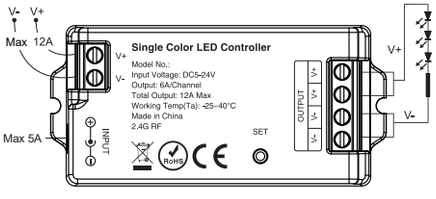
2. Parameters

▼ Single Colour LED Controller

Model No.:K30-3011SC
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

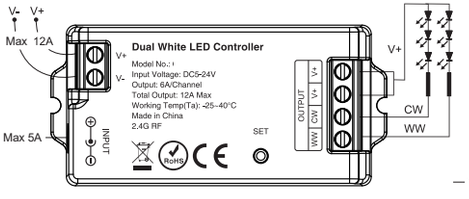


▼ Dual White LED Controller

Model No.:K30-3011CCT
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

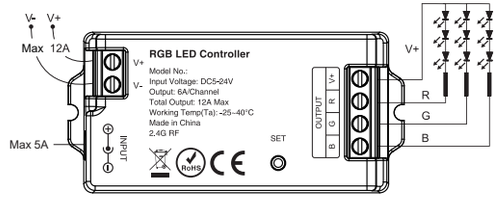


▼ RGB LED Controller

Model No.:K30-3011RGB
Input Voltage: DC5-24V(5.5*2.1mm)
Output: 6A/Channel; Total 12A Max
Working Temperature(Ta):-25~40℃
Support: 2.4GHz RF
Size: 74.5*35.6*16.5mm
Control Distance:30M

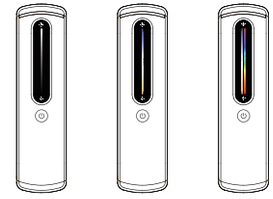
Connection Diagram:

Input Voltage=Output Voltage



Compatible Remote Controller:

Compatible with these remote controls (Purchased separately).
For more details, please 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.

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:

1.Application to switch PWM frequency: to avoid the noise when using different power supply.
2.Use LM007(for DIM and Dual White controller)or LM091(for RGB, RGBW and RGBCCT controller)remote to switch the Frequency;
3.The default frequency is high frequency.
4.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:

1.Widely use on the area where there is power failure frequently to save energy.
2.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:

1.Do not Disturb will be available when the light is under OFF mode by remote or APP.
2.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:

1.After delete the Do Not Disturb, the lights will be ON when you switch OFF, then switch ON the power.
2.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.
3.Please use our LM091 remote or wall remote to set up or delete Do Not Disturb.

Attention:

1.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.
2.The working Voltage is DC5~24V,the controller will be broken if the voltage is higher than 24V.
3.Non-professional user cannot dismantle the controller directly, otherwise, it may cause fire and electric shock.
4.The working temperature(Ta)is-25~40°C; Do not use the device to direct sunlight, moist and other high temperature area.
5.Please do not use controller around the mental area and high magnetic field, otherwise,it will badly affect the control distance.
6.When the device load to 12A,wire diameter must be over 1.5mm².
7.When the device load over 10A , the connecting cable must be shorter than 40cm long from DC port to LED strip.

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