

## 2.4G RGB+CCT LED Controller (FUT039P)

### 1. Features

Controller adopt the widely used 2.4GHz wireless technology with the features of low power consumption, long signal transmitting and strong anti-interference, etc. Controller has auto-transmitting and auto-synchronizing function. Widely used on the controlling of hotel lighting and home lighting.



16 Millions of colors to choose



Color temperature adjustable



Dim brightness / Saturation



2.4G RF wireless transmission technology



DMX512 controllable  
(DMX512 LED transmitter is needed)



Remote control  
Control distance 30m



Signal transmitting & Modes synchronization



Smartphone app control  
(2.4GHz gateway is needed)



Support third party voice control  
(2.4GHz gateway is needed)



Support PUSH dimming

## 2. Dynamic mode table selection

**Select dynamic mode table 1:** The controller is powered off for 10 seconds and then powered on. Within 3 seconds, press the "S+" button 5 times, the blue light blink 3 times slowly, indicating successfully.

**Select dynamic mode table 2:** The controller is powered off for 10 seconds and then powered on. Within 3 seconds, press the "S-" button 5 times, and the yellow light blink 3 times slowly, indicating successfully.

### Dynamic mode table 1 (default)

Number	Dynamic Mode	Brightness / Saturation / Speed
1	Mardi Gras	Adjustable
2	Automatic color change	
3	Sam	
4	Gemstone	
5	Twilight	
6	American	
7	Fat Tuesday	
8	Party	
9	Slow Color Splash	

### Dynamic mode table 2 (need to switch manually)


Number	Dynamic Mode	Brightness / Saturation / Speed
1	Colors gradual change	Adjustable
2	White light Gradual change	
3	RGB gradual change	
4	Seven colors jump to change	
5	Jump to change randomly	
6	Red light gradual change +Flash 3 times	
7	Green light gradual change +Flash 3 times	
8	Blue light gradual change +Flash 3 times	
9	White light gradual change +Flash 3 times	

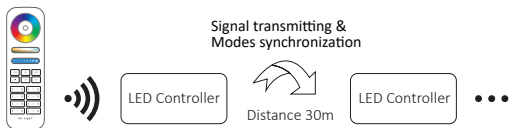
### 3. Signal transmitting

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

### 4. Modes synchronization

Different LED controllers can work synchronously when they are started at different times, controlled by the same remote, under same dynamic mode and within 30m distance.

 The same dynamic mode, the same speed can be synchronized.




### 5. Linking Code / Unlinking Code Instructions

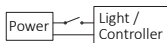
**Attention:** No need to match code since its already matched code in factory setting

#### Linking Code Instructions



 Linking failed if light is not blinking slowly, Please follow above steps again.  
(Note: controller that have linked can't link again)

## Unlinking Code Instructions



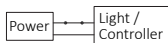
1

Switch off light, after 10 seconds then switch on again.



2

Short press "ON" button 5 times within 3 seconds when light on.



3

Lights blink 10 times quickly means unlinking is done successfully.



Unlinking failed if light is not blinking quickly, Please follow above steps again.  
(Note: controller haven't linked that don't need to unlink)

## 6. PUSH dimming

### Short press push switch:

- Turn on or turn off light.

### Long press push switch:

- Stepless dimming brightness.
- Long press / release and long press again to increase or decrease brightness.

## 7. PWM high frequency / low frequency switching

**Switch to high frequency (8KHz):** on the condition of turning on the light

1. Short press the "OFF" button of the remote control once;
2. Short press the "ON" button 5 times within 3 seconds, the white light blink 2 times quickly, indicating successfully.

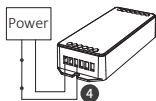
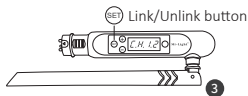
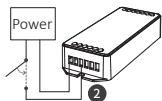
**Switch to low frequency (500Hz):** on the condition of turning off the light

1. Short press the "ON" button of the remote control once;
2. Short press the "OFF" button 5 times within 3 seconds, the white light blink 2 times slowly, indicating successfully.

## 8. DMX512 LED Transmitter Link/Unlink

Compatible with DMX512 LED Transmitter (Purchase separately)

- 1 Choose the zone for the controller by pressing "+" or "-" (e.g. "CH12" means zone 12)



### Link

Switch off the light, after 10 seconds switch on again

When the controller pilot lamp is on, short press "SET" 3 times within 3 seconds

The controller pilot lamp blink slowly 3 times, means the linking is done successfully

### Unlink

Switch off the light, after 10 seconds switch on again

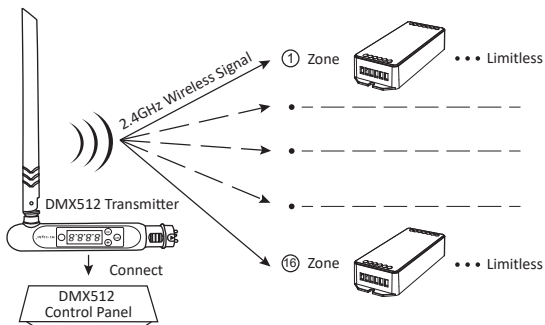
When the controller pilot lamp is on, short press "SET" 5 times within 3 seconds

The controller pilot lamp blink quickly 10 times, means the unlinking is done successfully



If the link or unlink failed, please follow the above steps again.

## 9. DMX512 LED Transmitter Connection Diagram



## 10. Scan QR code to watch video instruction



Smartphone app control  
(WL-Box1 video)



Third party voice control

## 11. Attention

1. Please check whether the voltage of the power supply is in accordance with the controller, and please check the connection of both the cathode and anode, otherwise the controller will be broken.
2. Please don't connect wires with power on. Please turn on again only when it is in right connection and no short circuit.
3. Please do not use the controller in the place with widely range metal area or strong electromagnetic wave nearby, otherwise, the remote distance will be seriously affected.



Controller can not  
use in humid area

Made in China