3 in 1 LED Controller Kits (2.4GHz)

Model No.: FUT037SA+

Features

- Control Distance: 30m
- 16 Millions of colors to choose
- Brightness and color temperature adjustable
- Switching 3 output mode via one button (RGB / RGBW / RGB+CCT)

16 Millions of colors to choose		Remote control Control distance 30m	
Color temperature adjustable		Smartphone App control (2.4GHz gateway is needed)	
Dim brightness / saturation		Support third party voice control (2.4GHz gateway is needed)	
2.4G RF wireless transmission technology			

Parameters

Remote

Operating Voltage:	3V(AAA*2PCS)
Standby power:	< 20µA
Transmit power:	6dBm
Control Signal:	2.4G Hz
Modulation Method:	GFSK

Controller

Input Voltage:	DC12-24V
Output Current:	6A/ Channel
Total Output	Max 12A
Output Power:	144-288W
Output Type:	Constant Voltage

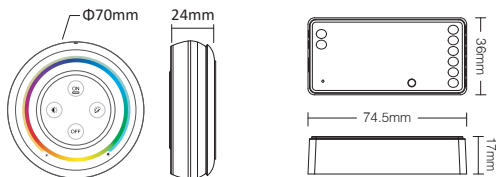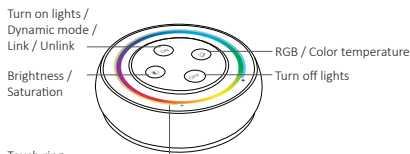|	
Control Signal:	2.4GHz RF
Control Distance:	30M
IP Rate:	IP20
Working Temp.:	-10~40℃
EMC Standard（EMC):	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-3 V2.1.1
Safety Standard（LVD)：	EN 61347-1： 2015+A1: 2021 EN 61347-2-11: 2001+A1:2019
Radio Equipment（RED):	ETSI EN 300 440 V2.2.1
Certification:	CE, EMC, LVD, RED
Warranty:	5 Years

Size

Φ70mm 24mm

36mm

74.5mm

17mm

Function

Turn on lights /
Dynamic mode /
Link / Unlink

RGB / Color temperature

Brightness /
Saturation

Turn off lights

Touch ring:
brightness, saturation, color temperature, RGB use together.
(It turns to adjust brightness by default if remote is not operated for 3 seconds)

Remote Instruction

- Adjust RGB

  Short press ⊘ key twice in succession, and then touch ◯ to adjust RGB.

- Adjust saturation

  Press ☀ key twice in succession, and then touch ◯ to adjust color saturation of lighting.

  (Note: only in RGB mode)

- Adjust color temperature

  Short press ⊘ key once, then touch ◯ to adjust color temperature.

- Adjust brightness

  Short press ☀ key once, then touch ◯ to adjust brightness.
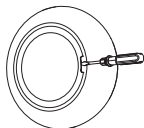
- Dynamic mode switching

  Long press ⟨ON⟩ key until indicator light flashes twice, then

  short press ⟨ON⟩ key to cycle switch.

  (Note: it will exit automatically if no operation after 3 seconds)

Install The Battery For Remote

Note: 2*AAA Battery need to buy seperately
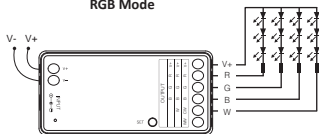

1. Open battery cover behind remote.

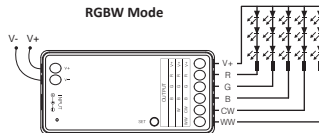2. Install battery correctly and close battery cover.

Connection Diagram

Input: DC12V~24V

V- V+

V+
R
G
B

RGB Mode

V- V+

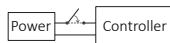V+
R
G
B
W

RGBW Mode

V- V+

V+
R
G
B
CW
WW

RGB+CCT Mode

Linking Code / Unlinking Code Instructions

Attention: No need to match code since its already matched code in factory setting
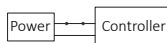
Linking Code Instructions

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

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

3 Lights blink 3 times slowly means linking is done successfully.

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

Unlinking Code Instructions

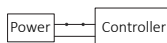**1** Switch off light, after 10 seconds then switch on again.

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: Light haven't linked that don't need to unlink)

Set up output mode

Set up correct output mode based on the feature of lights
Setting method: Press "SET" button continuously to switch output mode (attention: it will log out without operation within 3 seconds)

Output mode sheet (confirm output mode based on color of indicator)

Indicator color	Red Light	Green Light	Blue Light
Output	RGB	RGBW	RGB+CCT

Dynamic mode table selection (only for remote control)

Select dynamic mode table 1:
While the light is in static mode, short press **" S+ "** button 5 times quickly until blue light flashes 3 times slowly, static mode is activated successfully.

Select dynamic mode table 2:
While the light is in static mode, short press **" S- "** button 5 times quickly until yellow light flashes 3 times slowly, static mode is activated 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	Seven 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	

PWM high frequency / low frequency switching (only for remote control)

Switch to high frequency:

Press **"OFF"** button 1 time within three seconds and press **"ON"** button 5 times, Activated successfully once led light flashes 2 times quickly.

Switch to low frequency:

Press **"ON"** button 1 time within three seconds and press **"OFF"** button 5 times, Activated successfully once led light flashes 2 times slowly.
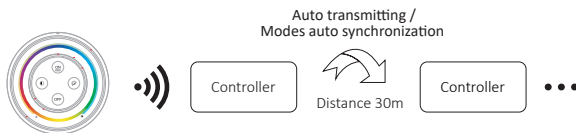
Auto transmitting & Synchronization (only for remote control)

Remote signal auto transmitting

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

Dynamic modes auto synchronization

Multi lights can synchronize if they are in same dynamic mode and linked with same remote (distance between each light is within 30m)

Auto transmitting /
Modes auto synchronization

Controller

Distance 30m

Controller

• • •

Turn Do Not Disturb mode on and off (ON by default)

Turn on "Do Not Disturb" (applicable to areas with frequent power outages to save energy)

Turn on Do Not Disturb mode:

Short press the "OFF" button 3 times within 3 seconds, and then short press the "ON" button 3 times. The light flashes 4 times to indicate success.

Note: When the lamp is powered on again after a power outage, its status (lights on or off) will remain the same as before the power outage.

Turn off Do Not Disturb mode:

Short press the "ON" button 3 times within 3 seconds, and then short press the "OFF" button 3 times. The light flashes 4 times slowly to indicate successful shutdown.

Note: When the lamp is powered on again after a power outage, its status will be on by default.

Attention

1. Please turn off power supply before installation.
2. Please ensure input voltage to be same as requirements from device.
3. Don't disassemble device if you are not expert, otherwise it will damage it.
4. Please do not use the light in the place with widely range metal area or strong electromagnetic wave nearby, otherwise, the remote distance will be seriously affected.

Made in China

Remote & Controller can not use in humid area