



R-102+C-102B

CCT LED MESH+BLUETOOTH Controller Set

CE RoHS



TUYA APP



R-102

MESH+BLUETOOTH



C-102B

Compatible voice assistants (Support language command switch and brightness adjustment.)



小米小爱



小智管家



天猫精灵



百度小度



Amazon Alexa



Yandex Alice



Google Assistant

Local Remote Control:

MESH remote control realizes local physical key control (such as switching, group switching, basic dimming) through MESH, which is suitable for the elderly, children or quick operation.

The MESH BLUETOOTH controller supports remote APP control through Bluetooth + Tuya Ecology, which can finely adjust the brightness, color temperature and dynamic effects, and can share devices and create groups and other functions.

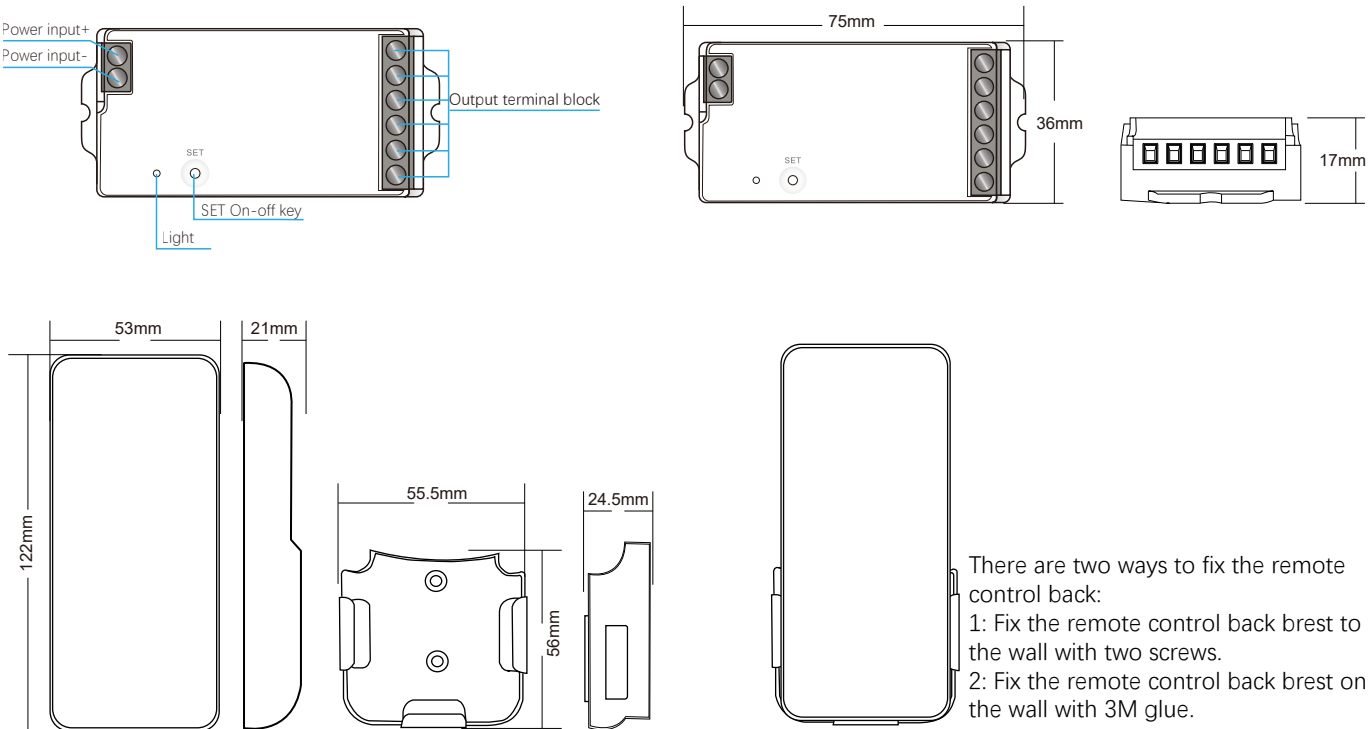
Peculiarity

- MESH wireless transmission technology, stable signal and strong penetration.
- Support matching multiple devices, multiple devices can be controlled at the same time, and one remote control can manage and synchronize up to 500 controllers. Each controller can be supported by 10 remote controls. (Control distance 30 meters)
- The brightness and color temperature of the remote control can be adjusted according to personal preference, and the brightness and speed of the dynamic mode can be edited.
- The controller can adjust the brightness, color temperature, voice control, select various dynamic or custom scenario modes, timing, countdown and other functions through the Tuya/Smart Life APP.
- Device click to run and automate, automatic transfer and synchronization function.
- PWM (Pulse Width Modulation) technology is adopted to ensure smooth light transition and avoid eye fatigue.
- Voice control, support Asia Alexa, Google Assistant, Tmall Genie, Xiaomi Xiaoi voice assistant and other speakers.
- Support multi-controller cascade, easily cover large-area lighting scenes such as shopping malls, theaters, building facades, etc.

Device parameters

LED controllers		LED remote control	
Input voltage	DC 5-24V	Voltage	3V(AAA*2PCS)
Input current	6/CH; 15A max	Operating current	10mW
Access signal	MESH+BLUETOOTH	Transmission frequency	MESH (2.4GHz)
Control the distance	30M	Standby power consumption	15μA
Size	L75XW36XH17mm	Transmit power	6dBm
Authentication	CE,ROHS	Color temperature range	3000-6000K
Environment		Remote control distance	30M
Operating temperature	Ta:-20°C~+60°C	Size	L122XW53XH21mm
Maximum temperature of the case	Tc:+65°C	Operating temperature	Ta:-20°C~+60°C
IP rating	IP20	Authentication	CE,ROHS
Wrap		Wrap	
Package size	L7.6XW3.7XH2.1cm/0.04kg	Package size	L13XW5.8XH2.7cm/0.105kg
Box size (100 pcs)	L19XW16XH12cm/4.2kg	Box size (100 pcs)	L27XW30XH15cm/11kg

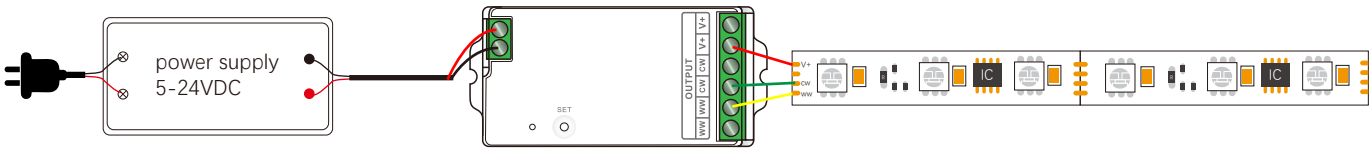
Equipment mechanism and installation



Wiring diagram of the device

Connect the strip light

AC100-240V



Description of the function of the remote control



R-102 Remote Control Mode Comparison Table

Dynamic Mode Comparison Table

S/N	MODE	S/N	MODE	S/N	MODE
1	Three-color gradient breathing	2	Warm light flashes	3	Cool white flashing
4	Neutral light flashes	5	Alternately warm and cold flickering	6	The three colors flash alternately

S/N	MODE	S/N	MODE	S/N	MODE
7	Warm white breath	8	Cold white breathing	9	Neutral photorespiration

Note: The brightness is adjustable and the speed is adjustable

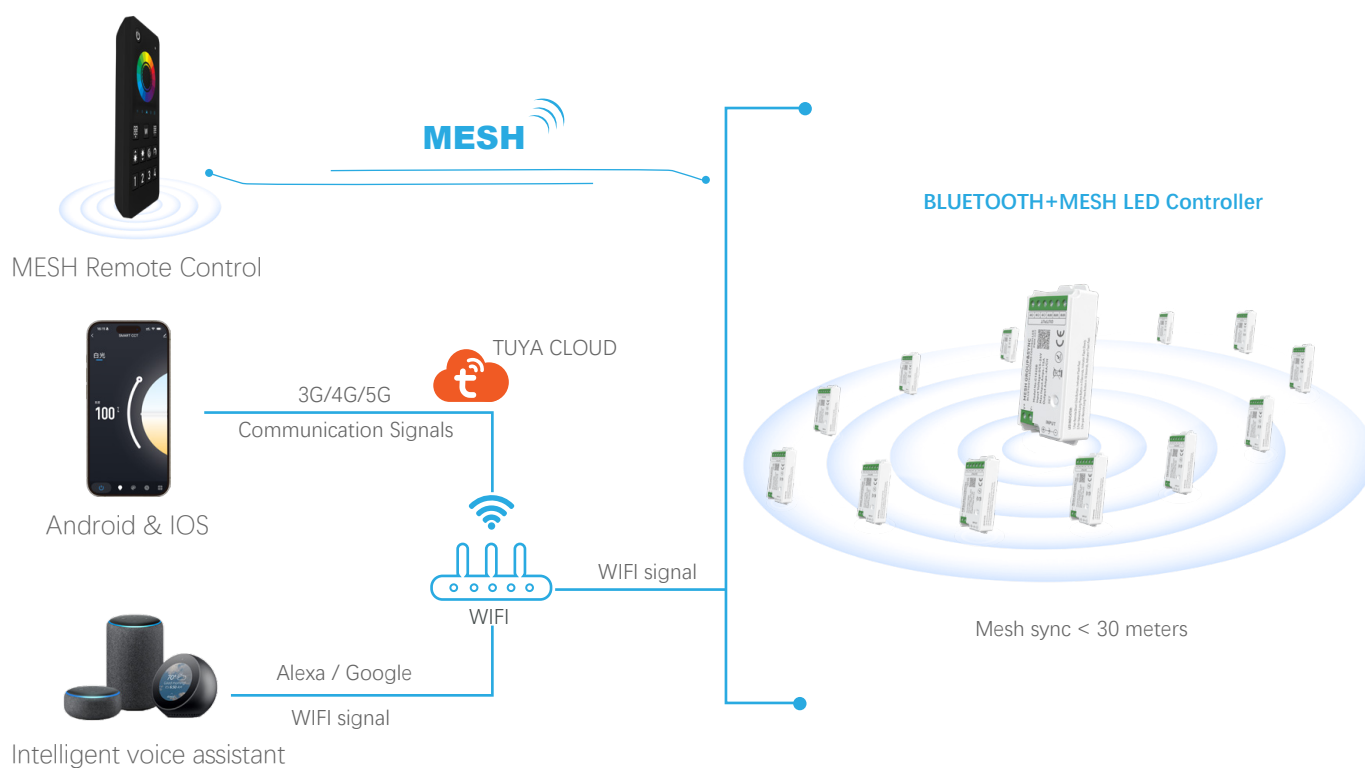
Music Mode Comparison Table

S/N	MODE	S/N	MODE
1	Warm white flashes to the music	2	Cool white flashes along with the music
3	Cold/warm flicker with the music	4	Cool white/warm white/neutral light flashes to the music
5	Warm white is fixed, and cool white flashes with the music		

Note: The brightness and speed are not adjustable in music mode

Schematic diagram of the control connection

Mesh wireless transmission



Tuya smart download & APP network connection

1. Download and install the [Smart Life] or [Tuya Smart] APP

Search for [Tuya Smart] on Apple or Google Play or scan the QR code below to download and install the app.

Please click on the "Sign Up" button to create an account and use it for the first time, if you already have an account, log in directly.

Please download the corresponding Tuya/Smart Life APP according to your region.



Scan the QR code to download the APP







Smart Life APP



Tuya Smart APP

2. Product function description > reset the device

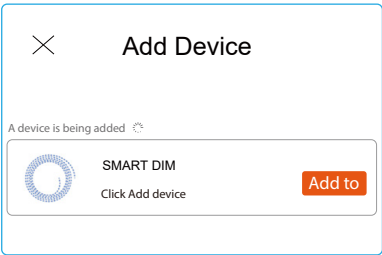
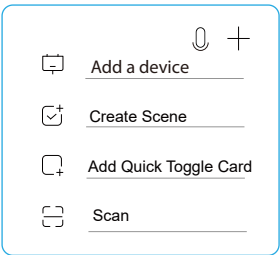
function		Button mode	Power-off mode
	'SET'key	ON/OFF	Short press (release within 1s)
	MESH Remote Control	The remote control is paired	Press (3S) The indicator light flashes quickly
	Android & IOS	WiFi Connect	Press (5S) The indicator light flashes quickly
	Clean up and reset	Press and hold (10S) to The controller indicator flashes quickly	10 Times



3. Connect to your smartphone

- 1. Make sure your smartphone is working under a WLAN network.
- 2. Open the login APP, press and hold "SET" to add a device, if you don't find it, please click " + " in the upper right corner, then manually select "Add Device", wait for 5-10 seconds to complete the connection.
- 3. Once the connection is successful, the new device will be displayed on the home page, then tap on the device and enter the control interface to do more

Follow these steps to complete the connection:



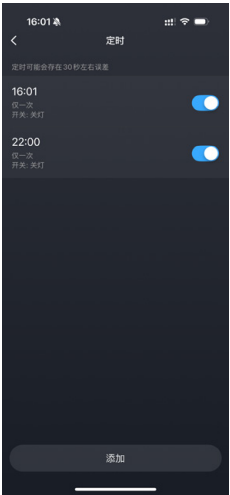
Tuya APP interface



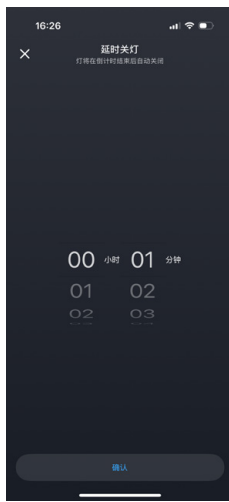
White light mode



Customize the scene



Timing



Countdown



Power-off memory



Set up

Dimming mode: Set the brightness and color temperature of the light.

Custom Scenes: Six Scenario Modes Customize the static, jumping, breathing, color, brightness, and transformation speed of the scene, a total of 4 scenes can be customized.

Timing: Customize multiple times to perform on/off light actions. There may be an error of about 30 seconds in timing.

Countdown: Customize the countdown time to perform the on/off action of the lights, and the lights will automatically turn off after the countdown ends.

Power-off memory: Power-on reaction can set the state of the light after power-on.

Settings: This interface can be bound with third-party language control, one-click execution and automation, group creation, device sharing and other functions.

Safety Precautions

1. The remote control is a precision electronic product, please do not use it in a humid or high temperature environment for a long time. If not in use for a long time, remove the battery and store it in a cool, dry place.
2. Do not use this device in a large area of metal or in an environment with strong electromagnetic waves nearby, otherwise it will seriously affect the control distance
3. Please check whether the input voltage of the constant voltage power supply meets the requirements of the controller, and check whether the connection of the cathode and anode is correct.
4. The working voltage is DC 5~24V, if the voltage is higher than 24V, the controller will be damaged.
5. Non-professional users cannot directly disassemble the controller, otherwise it may cause fire and electric shock.
6. The working temperature (Ta) is -20~60°C; Do not use the appliance in direct sunlight, humidity, or other high-temperature areas.
7. When the equipment load reaches 15A, the wire diameter must be more than 1.5 square millimeters
8. When the device load exceeds 10A, the connection cable from the DC port to the LED strip must be shorter than 40cm.
9. Please install the device in a good heat dissipation area.