



R-101+C-101B DIM LED MESH+BLUETOOTH Controller set

CE RoHS



TUYA APP



R-101

MESH+BLUETOOTH



C-101B

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.

MSHE BLUETOOTH controller supports remote APP control through the BLUETOOTH +Tuya ecosystem, which can finely adjust the brightness and dynamic effects, and can share devices, create groups and other functions.

peculiarity

- MESH wireless transmission technology, stable signal and strong penetration.
- It supports matching multiple devices, and can control multiple devices 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 of the remote control can be adjusted to your liking, and the brightness and speed of the dynamic mode can be edited.
- The controller can adjust the brightness, voice control, select various dynamic or custom scenario modes, timers, countdowns and other functions through the Tuya/Smart Life APP.
- Device click-to-run and automated, automatic transfer and synchronization functions.
- PWM (Pulse Width Modulation) technology ensures smooth light transitions to avoid eye fatigue.
- Voice control,Support Asia Alexa、Google Assistant、Tmall Genie、Xiaomi Xiaoai voice assistant and other speakers.
- It supports multi-controller cascade and easily covers large-area lighting scenarios such as shopping malls, theaters, and building facades.

Device parameters

LED controllers

| | |
|----------------------|----------------|
| Input voltage | DC 5-24V |
| Input current | 6/CH; 15A max |
| Access signal | MESH+BLUETOOTH |
| Control the distance | 30M |
| Size | L75XW36XH17mm |
| Authentication | CE,ROHS |

Environment

| | |
|---------------------------------|----------------|
| Operating temperature | Ta:-20°C~+60°C |
| Maximum temperature of the case | Tc:+65°C |
| IP rating | IP20 |

Wrap

| | |
|--------------------|-------------------------|
| Package size | L7.6XW3.7XH2.1cm/0.04kg |
| Box size (100 pcs) | L19XW16XH12cm/4.2kg |

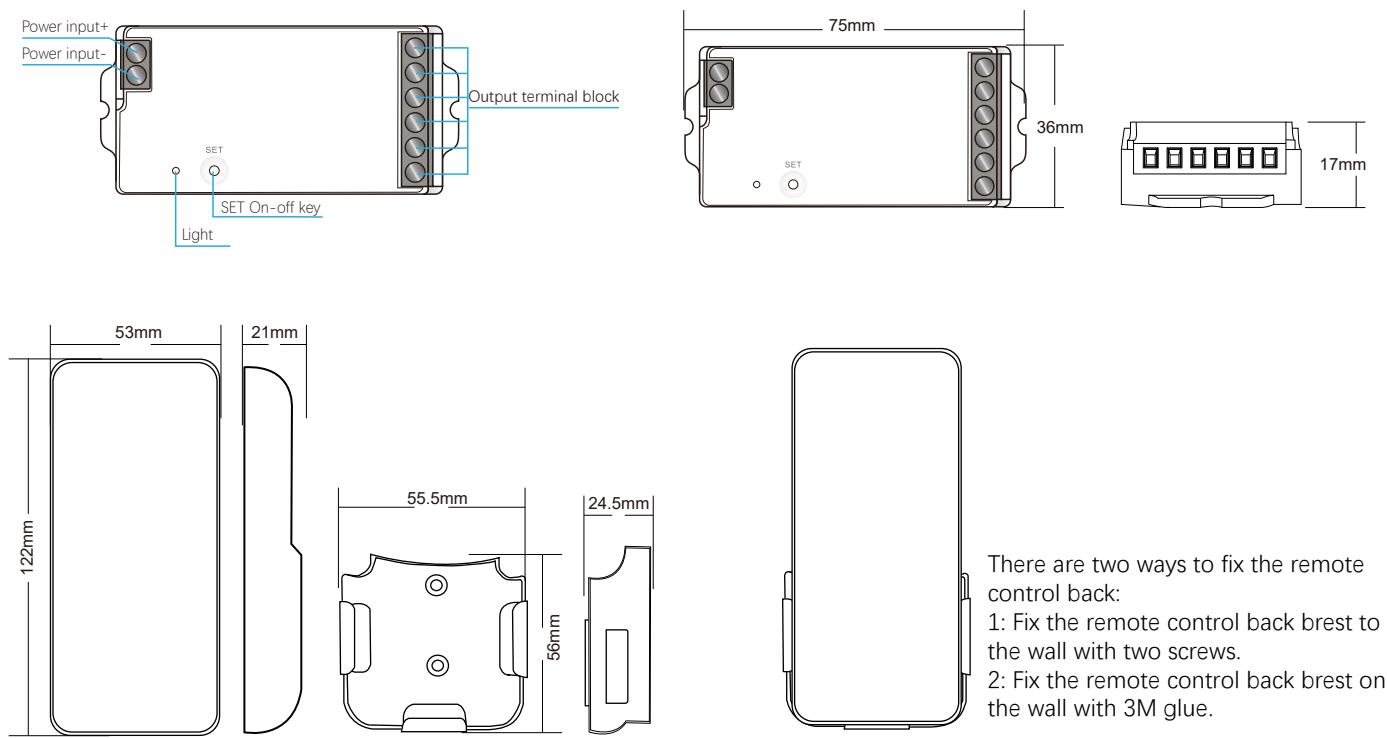
LED remote control

| | |
|---------------------------|---------------------------|
| Voltage | 3V(AAA*2PCS) |
| Operating current | 10mW |
| Transmission frequency | MESH (2.4GHz) |
| Standby power consumption | 15uA |
| Transmit power | 6dBm |
| Dimming range | 1-100% Infinitely dimming |
| Remote control distance | 30M |
| Size | L122XW53XH21mm |
| Operating temperature | Ta:-20°C~+60°C |
| Authentication | CE,ROHS |

Wrap

| | |
|--------------------|-------------------------|
| Package size | L13XW5.8XH2.7cm/0.105kg |
| Box size (100 pcs) | L27XW30XH15cm/11kg |

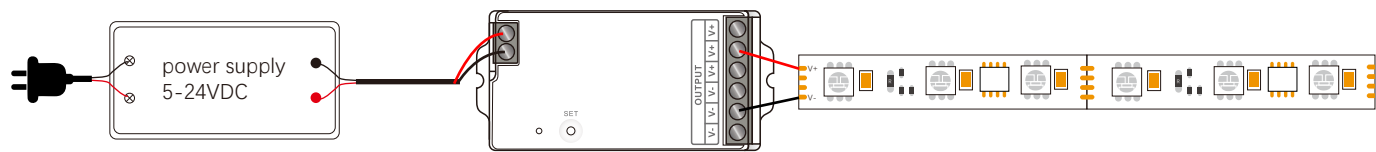
Equipment mechanism and installation



Wiring diagram of the device

Connect the strip light

AC100-240V



Description of the function of the remote control



R-101 Remote Control Mode Comparison Table

| Dynamic Mode Comparison Table | | | |
|-------------------------------|----------|-----|---------|
| S/N | MODE | S/N | MODE |
| 1 | flashing | 2 | Breathe |

Note: The brightness is adjustable and the speed is adjustable

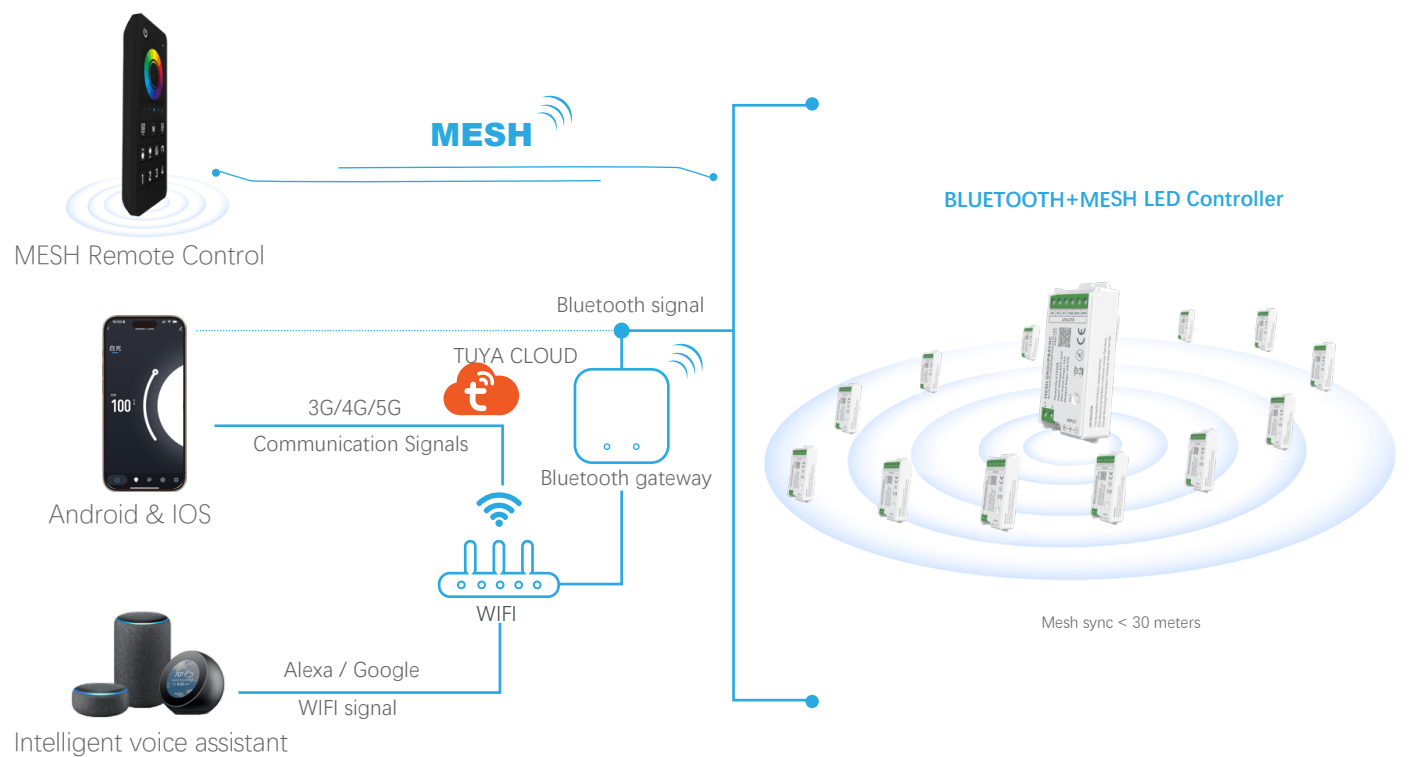
Music Mode Comparison Table

| S/N | MODE | S/N | MODE |
|-----|----------------------------|-----|------------------------------|
| 1 | Flash along with the music | 2 | Breathe along 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







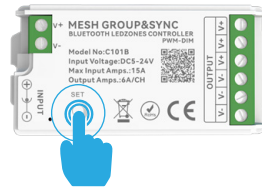
Smart Life APP



Tuya Smart APP

2. Product function description > reset the device

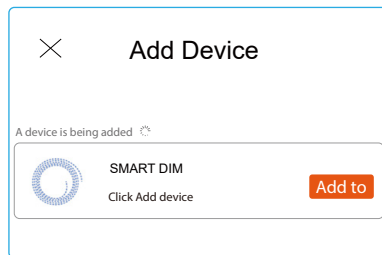
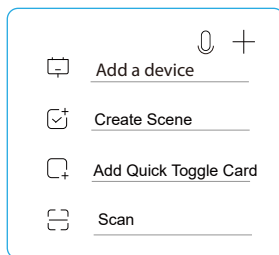
| function | | Button mode | Power-off mode |
|---|---------------------|--|--|
|  | 'SET'key | ON/OFF | Short press (release within 1s) N/A |
|  | MESH Remote Control | The remote control is paired | Press (3S) The indicator light flashes quickly 3 Times |
|  | Android & IOS | WiFi Connect | Press (5S) The indicator light flashes quickly 5 Times |
|  | 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:



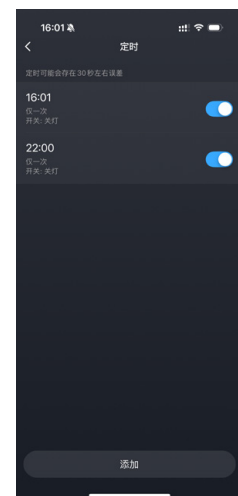
Tuya APP interface



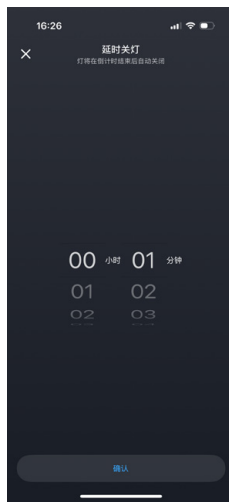
White light mode



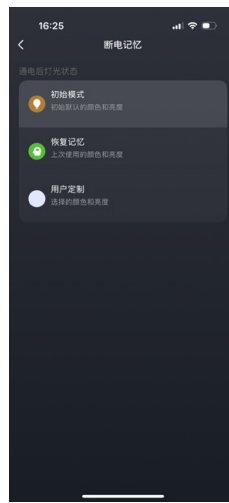
Customize the scene



Timing



Countdown



Power-off memory



Set up

White Light Mode: Sets the brightness 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.