



C-211Z/DIM zigbee
2PIN PWM LED Strip



C-212Z/CCT zigbee
3PIN PWM LED Strip



C-213Z/RGB zigbee
4PIN PWM LED Strip



C-214Z/RGBW zigbee
5PIN PWM LED Strip



C-215Z/RGBWC zigbee
6PIN PWM LED Strip

Compatible remote controls A single device can support 10 remote controls at the same time



R-101/DIM



R-102S/CCT



R-102/CCT



R-103/RGB



R-104/RGBW



R-105/RGBCCT



R-011/DIM



R-023/3 WAY

...

Compatible voice assistants

Support language command switch, brightness, color.



Amazon Alexa



Yandex Alice



Google Assistant



已接入米家
works with
mija



小米小爱



小智管家



天猫精灵



百度小度

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 ZIGBEE Controller Through the ZIGBEE gateway Tuya Ecology supports remote APP control, which can finely adjust brightness, color 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 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, 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 Xiaoai 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

Input voltage	DC 24-48V
Input current	6/CH; 15A max
Access signal	MESH+ZIGBEE
Control the distance	30M
Size	L113XW39XH20mm
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	L11.6XW4.55XH2.45cm/0.06kg
Box size (100 pcs)	L42.5XW26.5XH17cm/6kg

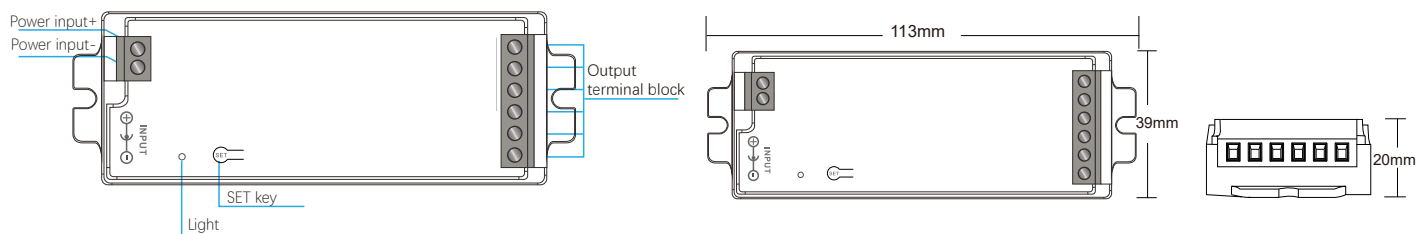
LED remote control

voltage	3V(AAA*2PCS)
Operating current	10mW
Transmission frequency	MESH (2.4GHz)
Transmit power	6dBm
Color temperature range	2700K-6500K
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

DIM



CCT



RGB



RGBW

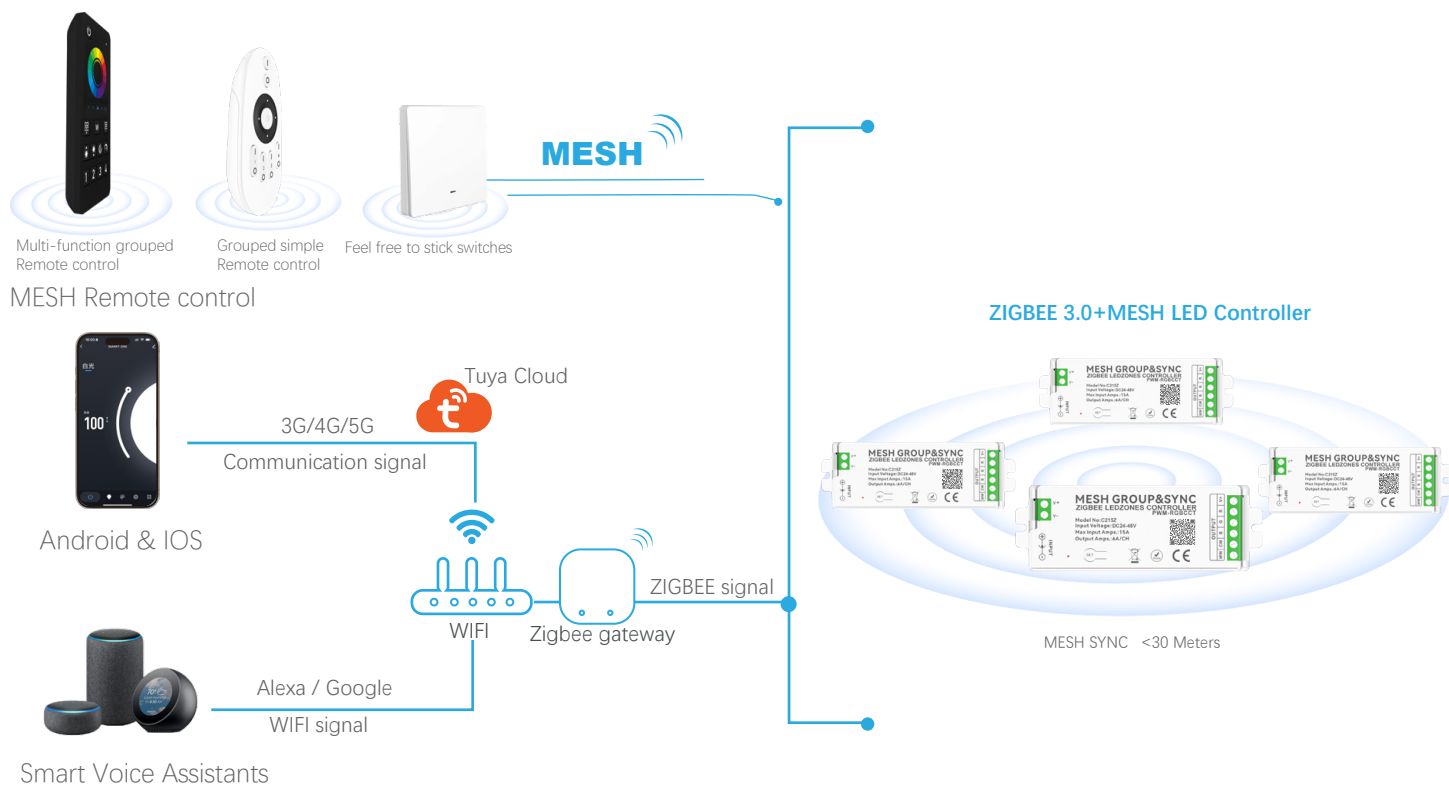


RGBWC



Schematic diagram of the control connection

MESH wireless communication technology



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

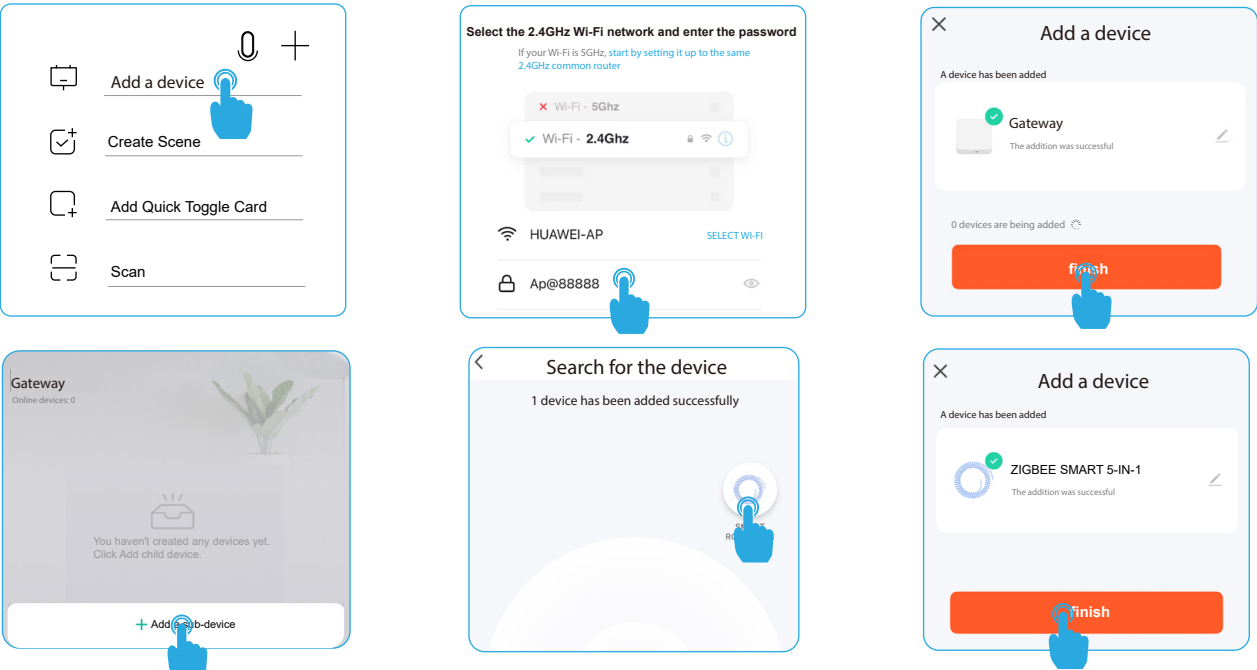
function		Button mode	Power-off mode
 'SET'key	ON/OFF	Short press (release within 1s)	NVA
 MESH Remote Control	The remote control is paired	Press (3S) The indicator light flashes quickly	3 Times
 Android & IOS	WiFi Connect	Press (5S) The indicator flashes slowly	5 Times
	Clean up and reset	Press and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



3. Connect to your smartphone

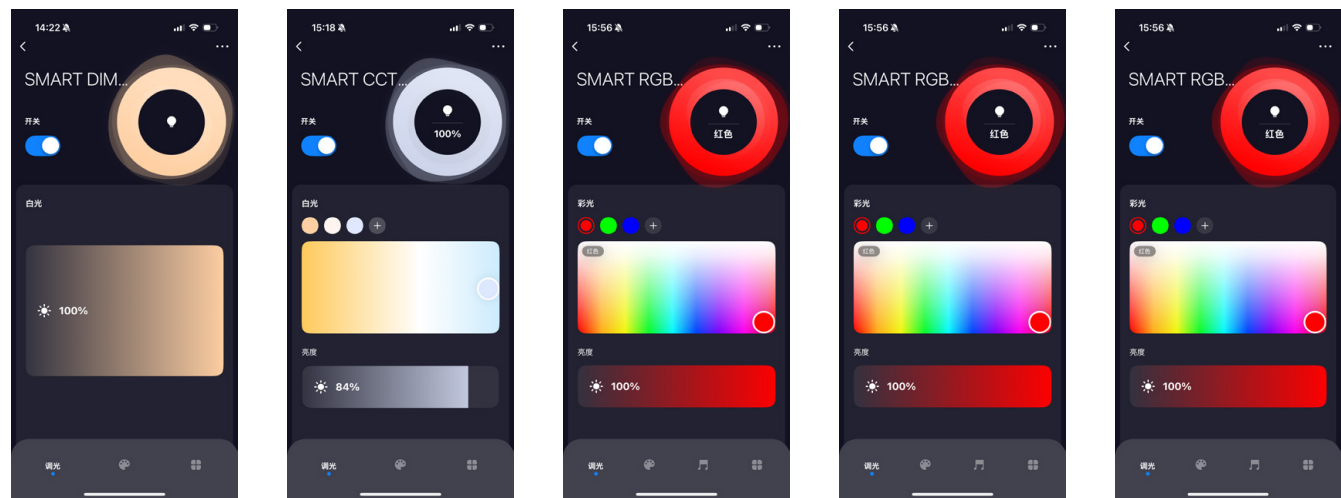
- 1. Make sure your smartphone is working under a WLAN network.
- 2. Open the Tuya APP, select Manually Add Gateway Central Control, select Zigbee Gateway, and enter the WIFI password to connect (Incorrect WIFI password will cause the connection to fail, non-2.4G network WIFI also.)
- 3. Reset the Zigbee gateway device, the red and blue lights of the Zigbee gateway are always on, turn on the power supply, please confirm that the red light is flashing, the blue light is always on, and the red light is always on after the connection is successful.
- 4. Click Done to enter the gateway control interface, add sub-devices, and confirm that the sub-devices belong to the network configuration mode (please place the gateway, controller, and smartphone close to each other for quick speed.)
- 5. After the controller is installed in the APP, we can easily control the LED lighting with the APP.

Follow these steps to complete the connection:



Tuya APP interface

Main interface: white light mode; color temperature mode; IPL mode; Color light mode+ White light mode; Color light mode+ color temperature mode;



white light mode
DIM

color temperature mode
CCT

IPL mode
RGB

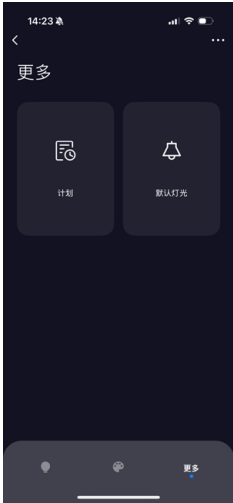
Color light mode+
White light mode
RGBW

Color light mode+
color temperature mode;
RGBCCT

C-211 and C-212 Tuya app interface



Scenario mode



More pages



Settings page

Scenario mode: Four scenario modes to choose from.

More page: Schedule: Customize the countdown time to perform the on/off light action, and the light will automatically turn off when the countdown ends.
Default Light: Select the default light state to be turned on from the power supply each time; DIY lighting available.

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

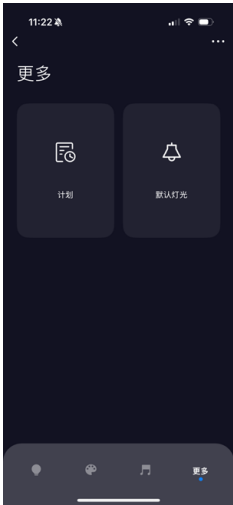
C-213、C-214、C-215 Tuya app interface



Scenario mode



Music mode



More pages



Settings page

Scenario mode: Eight scenario modes to choose from


Music mode: Local music: The device microphone collects music, and the lights move with it. There are five preset rhythms with adjustable sensitivity. Three custom modes to edit the rhythm, and two types of movements can be edited
Effects, jumps and classics, edit color and sensitivity.
APP music: The mobile phone collects the microphone, and the lights rhythm with it. There are five preset grooves. Three custom modes to edit grooves, you can edit two animations, jumping and breathing,
Edit color, sensitivity, decibel and pitch rhythm modes, adjustable min/max decibel-0-100db

More page: Schedule: Customize the countdown time to perform the on/off light action, and the light will automatically turn off when the countdown ends.
Default Light: Select the default light state to be turned on from the power supply each time; DIY lighting available.

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

Description of the function of the remote control

Multi-function grouped Remote control

 Main ON/OFF button

1

2

3

4

 Grouping key Short press; Select the key function. Long press; Perform key functions.



Light

ON/OFF

Brightness color wheel

MODE

SPEED+

Brightness 10%

Brightness 50%

SPEED-

Music

Timed for 30 minutes

1 2 3 4 grouping



Light

ON/OFF

Color temperature color wheel

One-click cold white/ Warm white/neutral light

MODE+

CCT

MODE-

Brightness +

Brightness -

Music

SPEED

1 2 3 4 grouping



Light

ON/OFF

Color temperature color wheel

4500K

3000K

6000K

Brightness +

Brightness -

Timed for 5 minutes

Timed for 5 minutes

1 2 3 4 grouping



Light

ON/OFF

Color Wheel

One-click white light

MODE+

Brightness+

Brightness-

MODE-

Music

SPEED

1 2 3 4 grouping



ON/OFF

Light

Color Wheel

One-click white light

Brightness slider

MODE+

Brightness+

Brightness-

MODE-

Music

SPEED

1 2 3 4 grouping



ON/OFF

Light

Color Wheel

One-click white light

Color temperature slider

MODE+

Brightness+

Brightness-

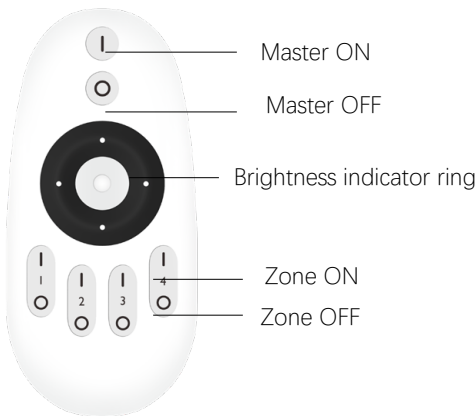
MODE-

Music

SPEED

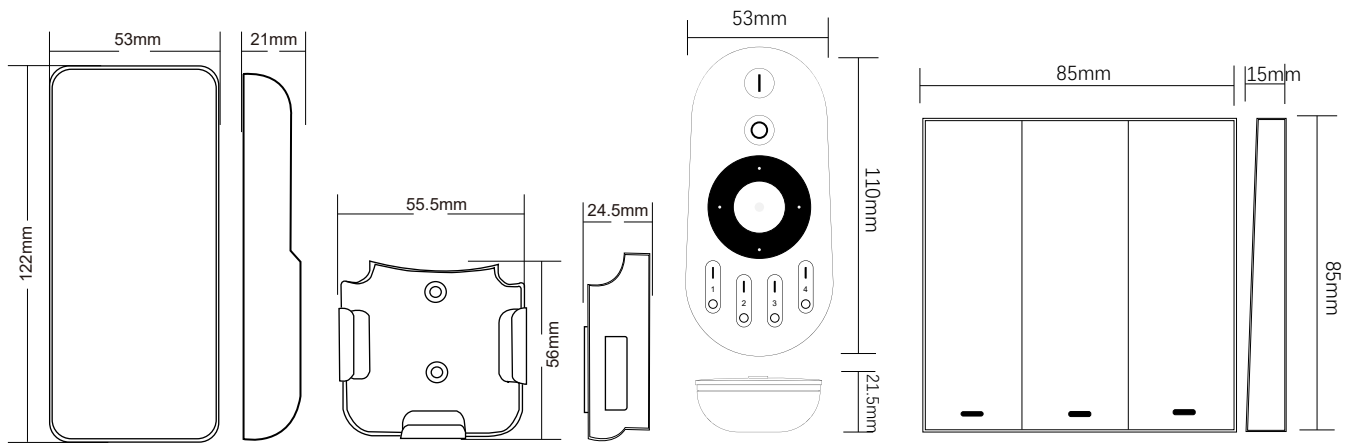
1 2 3 4 grouping

Grouped simple Remote control



Feel free to stick switches





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 device 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.