

Product Specifications

Model number: 31913

Products name: Tuya Wifi Music IR 24-keys RGB Controller



Product Description

Tuya WiFi Music IR 24-keys RGB controller is a intelligent LED controller which is compatible with mobile phone control, voice control and IR remote control. It use Tuya wifi solution technology to ensure device's stability in LAN control and remote control. Main function are music control modes, 16 million colors adjustment, dynamic modes, brightness adjustment, speed adjustment, DIY modes, Timing function etc.

Product Overview

1. Built-in MIC, real-time acquisition of music and environmental sound intensity;
2. LED Strip Light sync to music , contains a variety of musical rhythm modes;
3. Infrared Remote Controller Control(Optional);
4. Control by "Smart Life" APP/ TUYA Smart";
5. Works with Amazon alexa and Google home and so on.

Technical Parameters

Controller:

- Working temperature: -20-60℃
- Input voltage: DC 5V~24V
- Output: 3 channels
 - Max output current: ≤6A

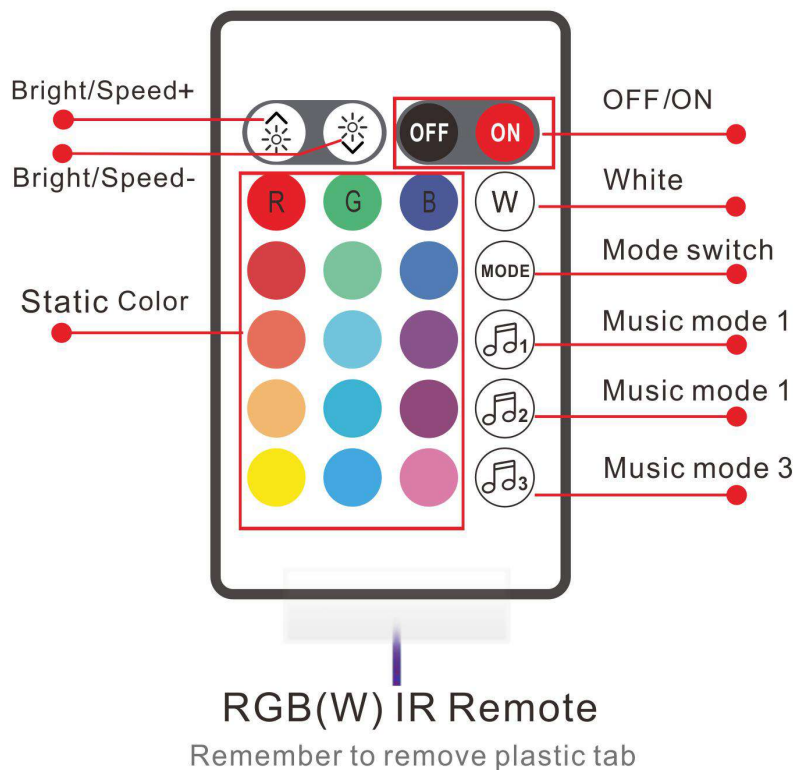
- Static power consumption: <1W
- Output power: 5V:≤30W, 12V:≤72W, 24V:≤144W
- Connection mode: Common anode
- Domination Principle WiFi
- APP “Smart Life” or “Tuya Smart”
- Operation Platform: Android 4.0 or IOS9.0 or higher
- Built-in MIC
- LED Drive Type Constant voltage: MOSFET
- IP: Rating IP20
 - Controller size: L61×W35×H22mm
 - Net weight: 55g(set) Gross weight: 65g(set)

Remote control:

- Working voltage: 3V, 2*AAA batteries
- External dimension: L85mm*W52*H7mm:
- Remote control distance: 8-10m



Remote control instruction:



(Long press “ON” for 5 seconds into pairing status)

Connection description

Power input interface: Adopt the DC power seat as a power input interface



Load output interface: Used to 4pin female connector as load output interface



APP instructions

1. Before use, need to install wifi control software App ("**Tuya Smart**") on the mobile  , There are two kinds of installation method as follows:

① Please scan the QR code below to download the software APP:



② In the Google Play Store (android system) or the App Store (apple system) to search "**Tuya Smart**" to download and install app.

2. After app installation is complete, open the phone wifi function and connect the router.

3. Controller device part installation :

Connecting controlller and output led light first, then connect the power supply , to ensure no short circuit between the cables before power on,supply voltage is DC5-24V, do not input on other voltage.

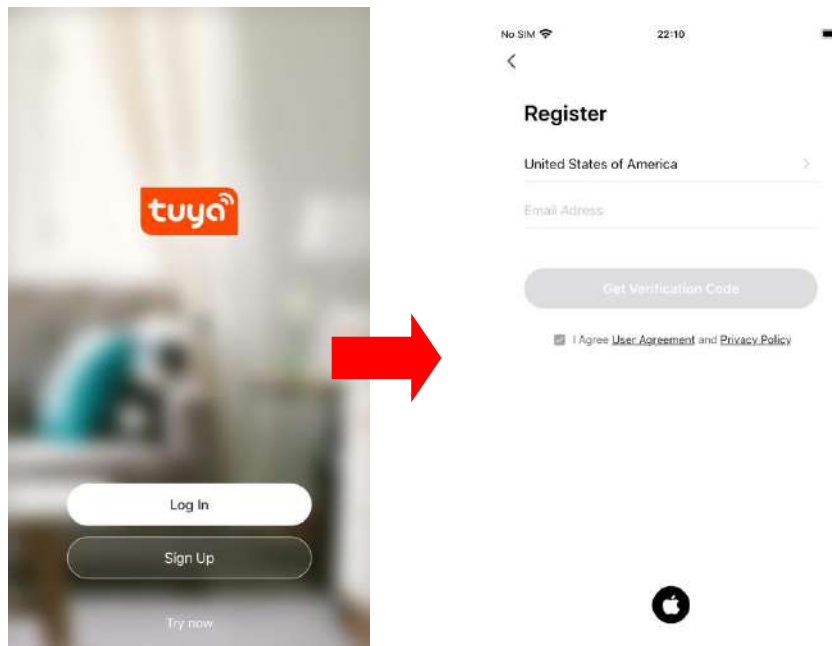
4. Open the control software APP-"**Tuya Smart**"  on the phone and register an account.

Register/Login/Forget password:

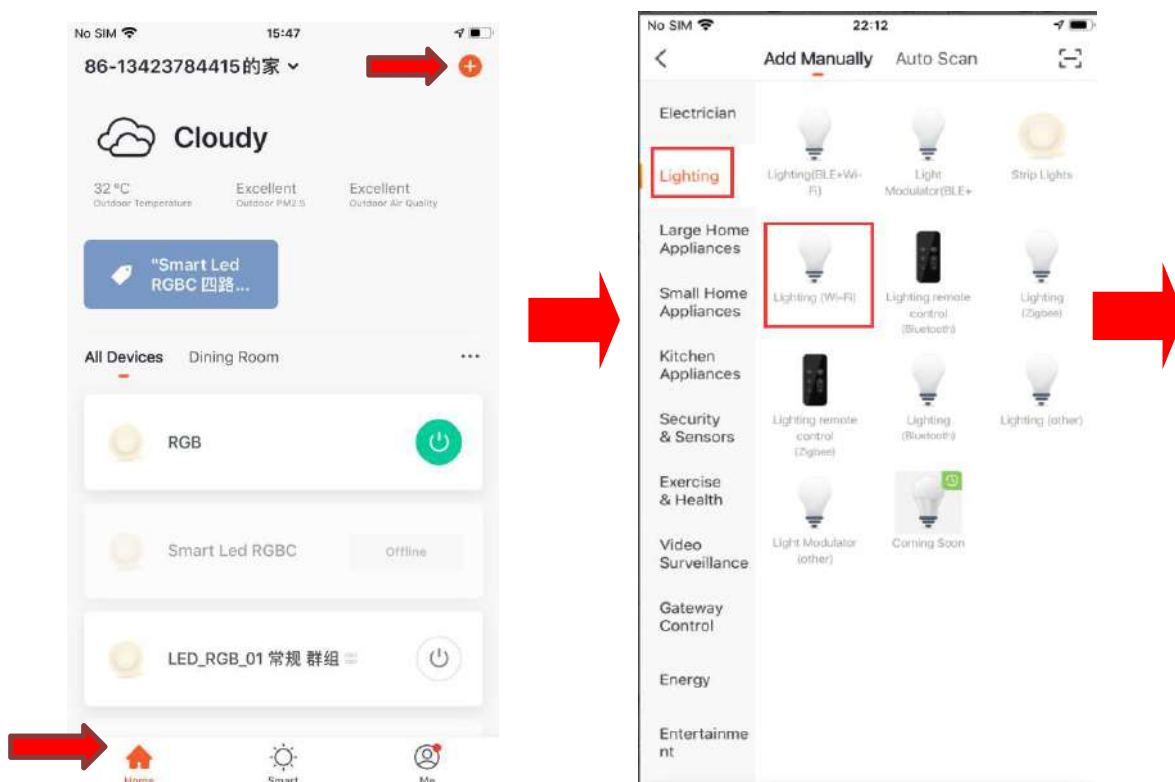
Register: Register your account to the following tips before using at the first time.If you have an account,please enter the password to login directly.

Login: Input the correct account number and password to login.

Forgert your password: You can enter the login page to retrieve your password.



5. After registration, log in and enter the homepage "Home", Click "Add Device" or "+" sign in the upper right corner to add a wifi device; Select the "Lighting" line item in the Add Manually column, select the "Lighting (Wi-Fi)" go to the "Add Device" page, as shown below.

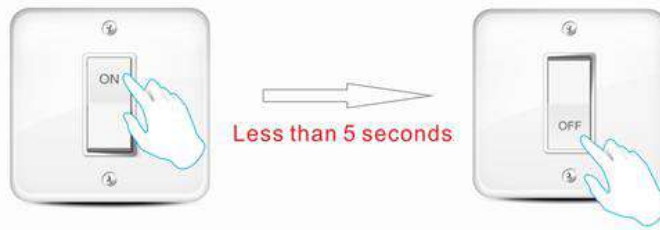


6. Wifi device configuration status setting & Factory reset:

How to set wifi device to configuration status ? : (2 ways)

(1) Controller way: switch Power 3 time until output light fast blinking means setting successfully, and each steps of power on to power off need less than 5 seconds.

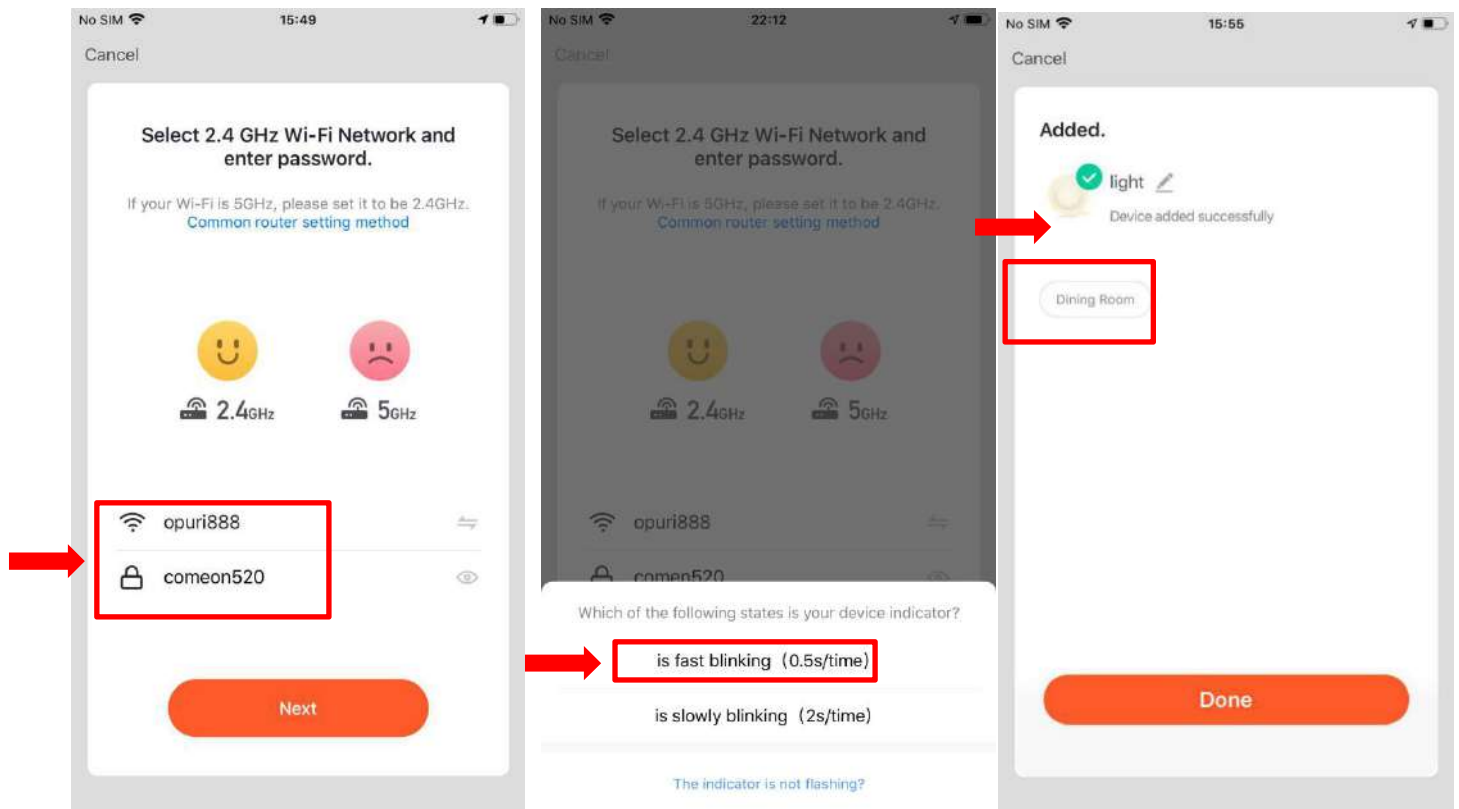
(2) Remote way: long press "ON" button for 5 seconds until output light fast blinking means wifi device is ready to pair with tuya app.



Note:

In normal mode, please confirm that the device red light is quickly blink and then into the next step. If the light is not flash, please power on your device, and then power off (repeat 3 times). If add the device in Normal mode fails many times, please go to [Add Device-AP mode](#).

7. Select wifi routing network and input password ---> click “**next**”---> click “**is fast blinking (0.5s/time)**”--->, app will remind “**Device add successfully**”, the output light will stop fast blinking at the same time. now you can customize the naming settings for the controller, and the controller can be assigned to 6 places such as: living room, master bedroom and so on.



8. Add Device--AP mode

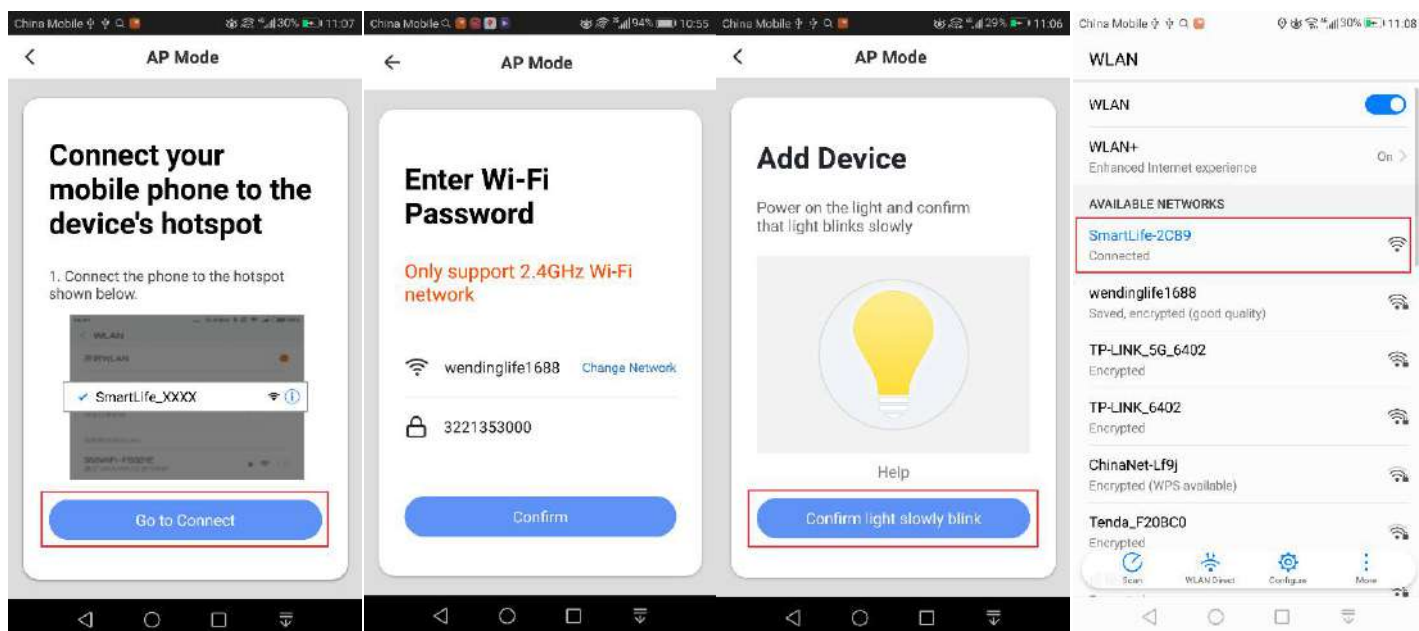
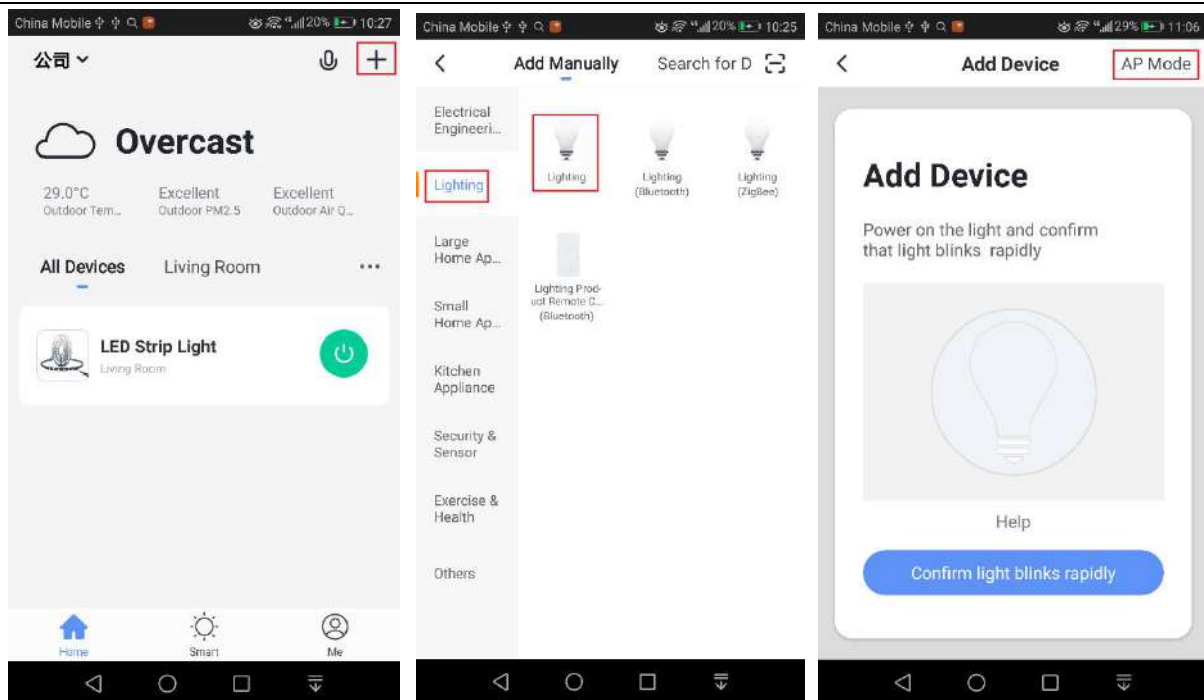
In the main application page,click on the top right corner "+" to next window page and then choose **Lighting**,as shown below.

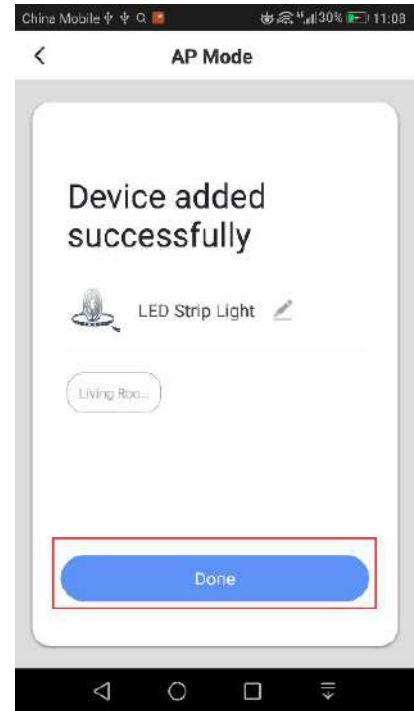
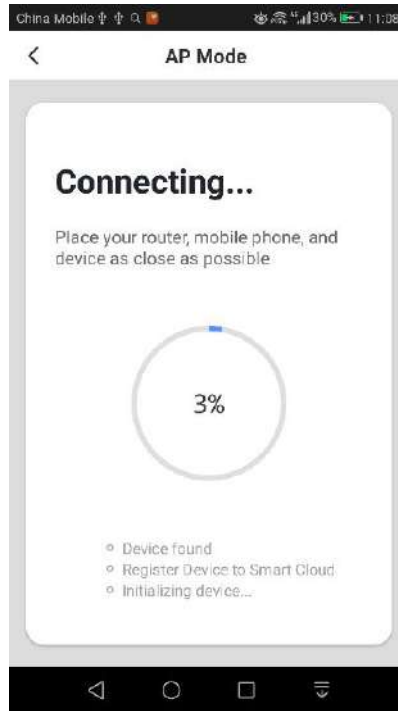
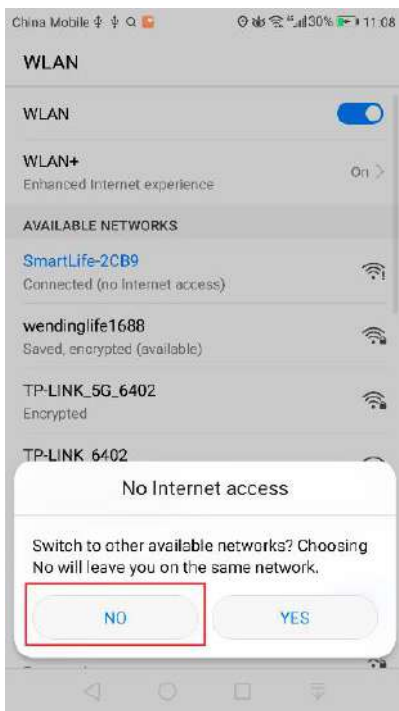
In normal mode, click on the top right corner "**AP Mode**" to AP Mode window page.

In AP Mode,please confirm that the device red light is slowly blink and then into the next step.

Note:

If the light in quickly blink, just power on your device, and then power off (repeat 3 times) ,until the red light will slowly blink.



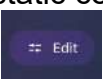


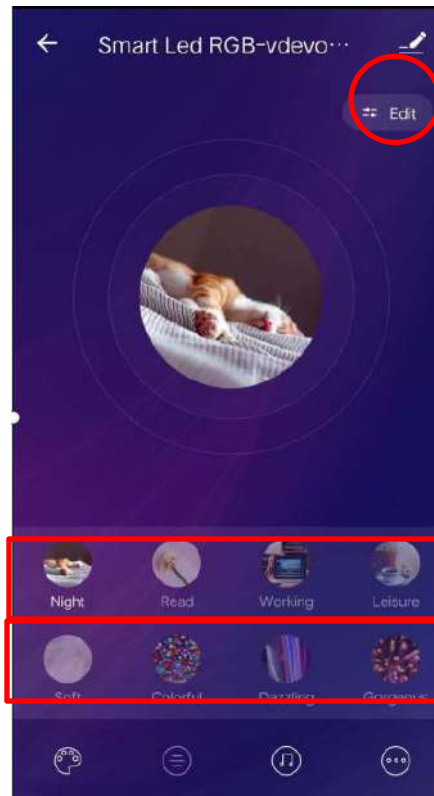
9. APP Main function:

After adding devices, enter the light control interface, there are four options of **“Music Mode” “Colour Mode” “Scene Mode” “Schedule”** to control the lights differently. The middle bulb icon is a switch function in any mode. The functions of each option are described as below:

- ① **1600 million colors:** choose color mode then touch the color ring to choose different colors.

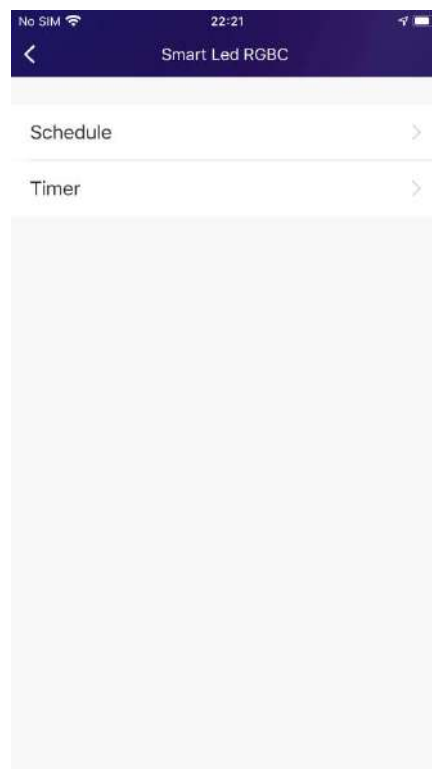


- ② **Scene Mode:** There are 8 default modes in total, the above 4 modes are static color scenes, The following 4 modes are dynamic scene modes, can be "Set"  and "edited"  separately. You can easy to DIY set different colors, modes, brightness, and speed .



③ **Schedule:** Can set the ON/OFF status of the light according to the actual required timing.

Note: After setting the time, the APP on the mobile phone exits or disconnects the wifi, the schedule also works.



④ **Music mode**--LED Light Sync to Music Function : (pls use remote music button to control lights)

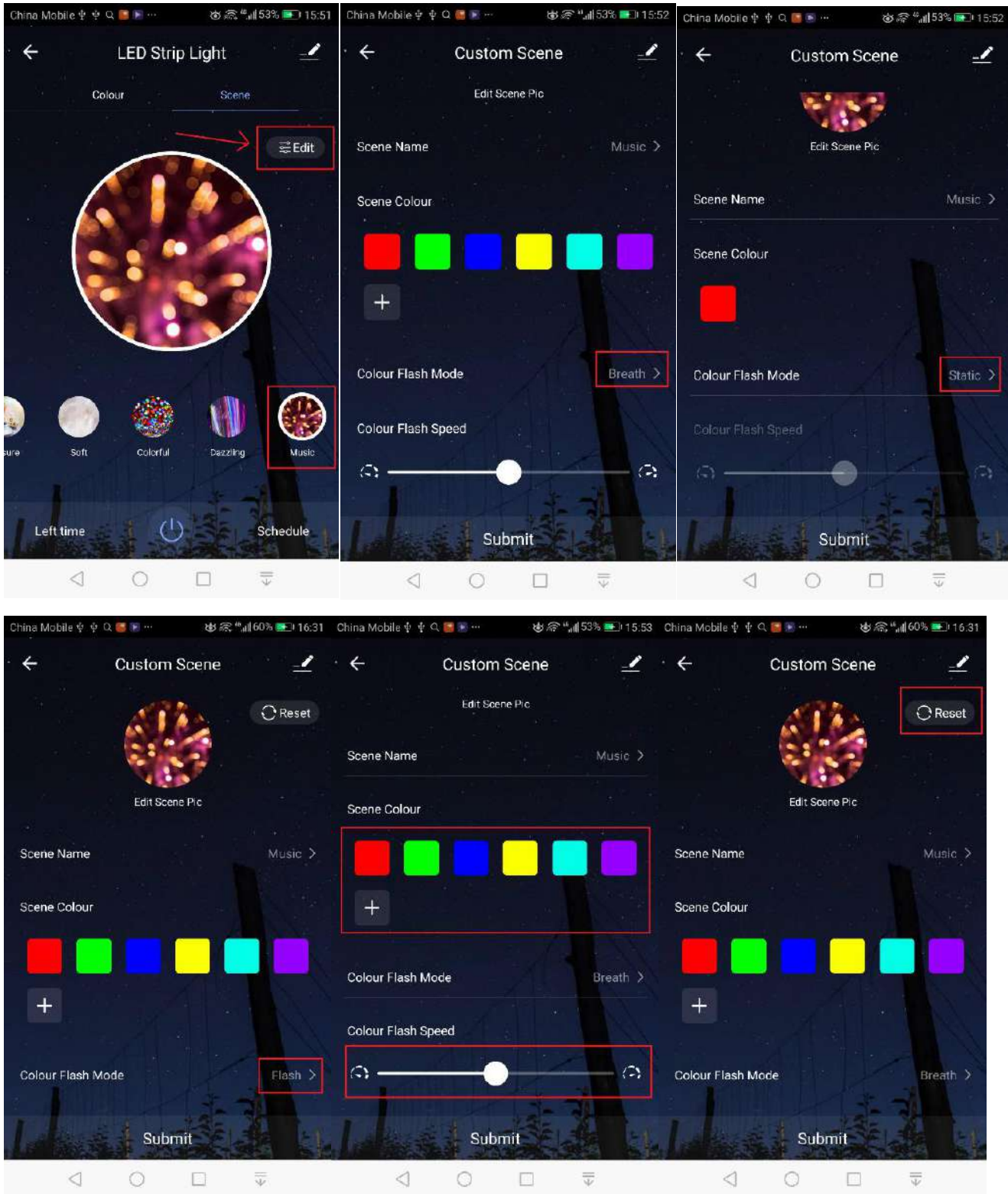
When press music button and play music with any device, and the led strip light will sync to music,

Note:

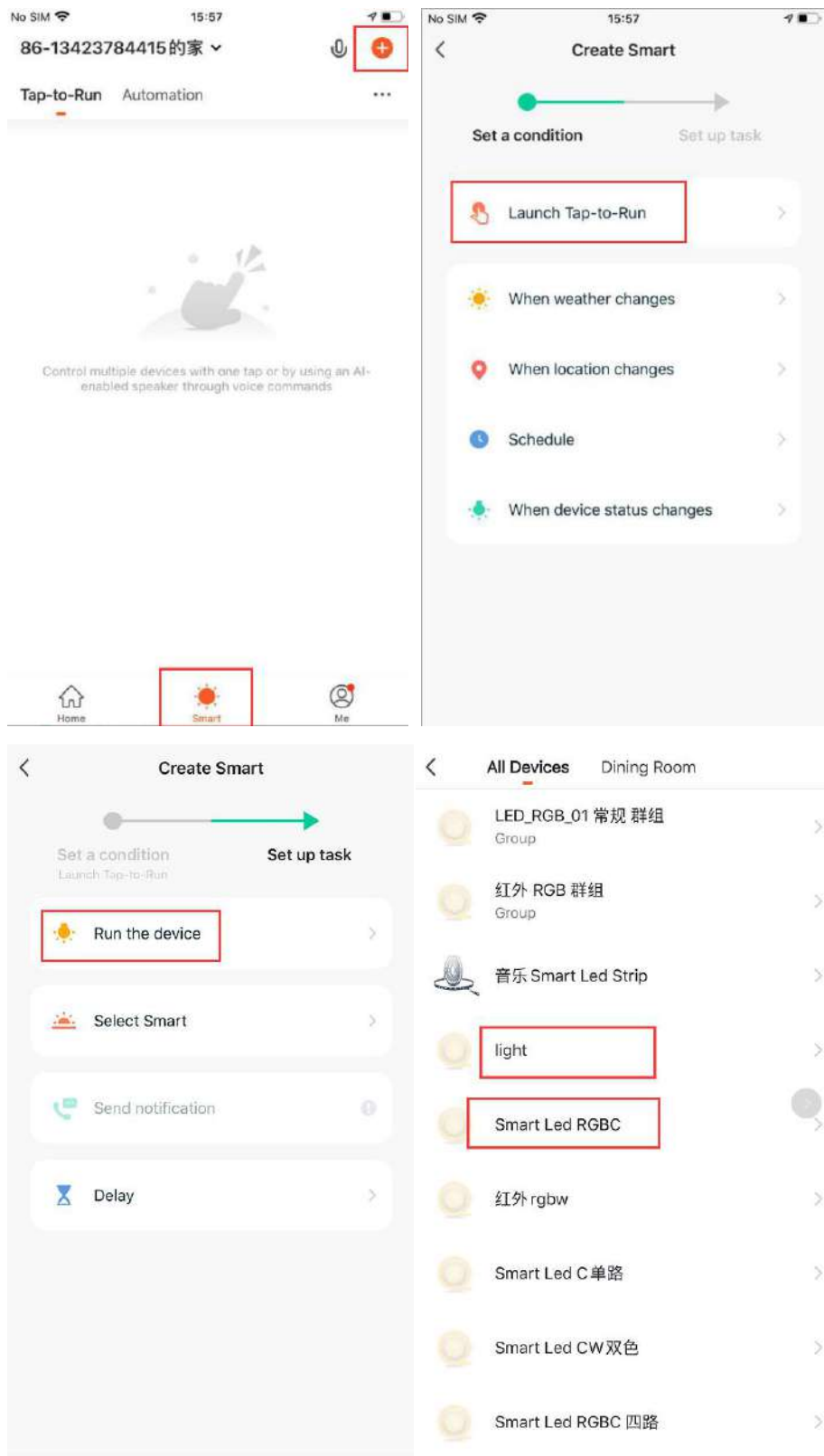
The volume of mobile phone is relatively small, it's better to use Bluetooth audio.

⑤ Scene mode

1. Click Edit in the top right corner to enter custom scene;
2. You can add/delete/modify the color displayed and change the speed of color switching



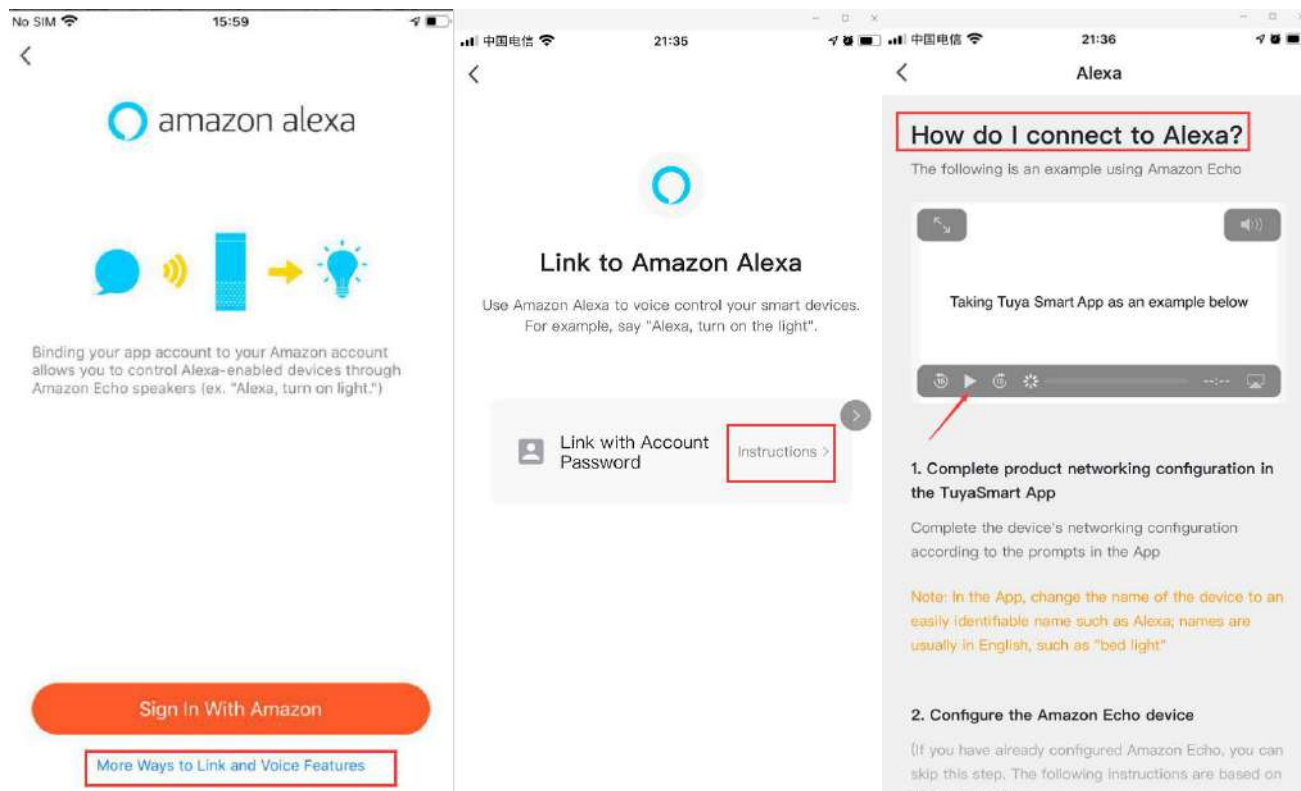
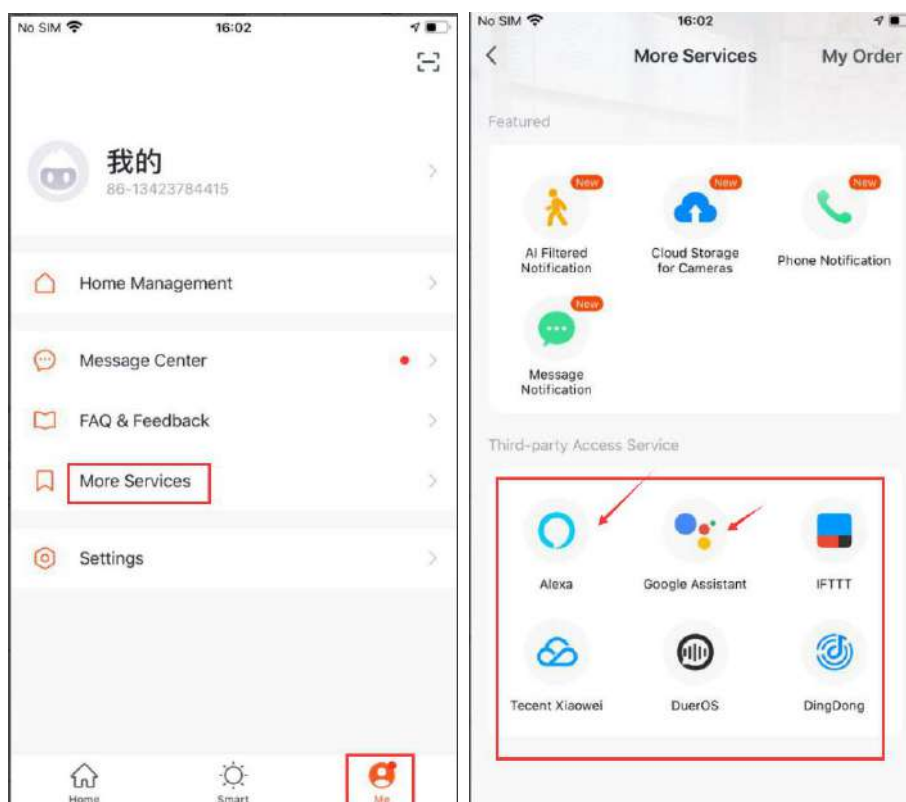
10. Scenario mode setting: Return to the homepage and select the "Smart", can add scenes to control multiple controllers or devices.



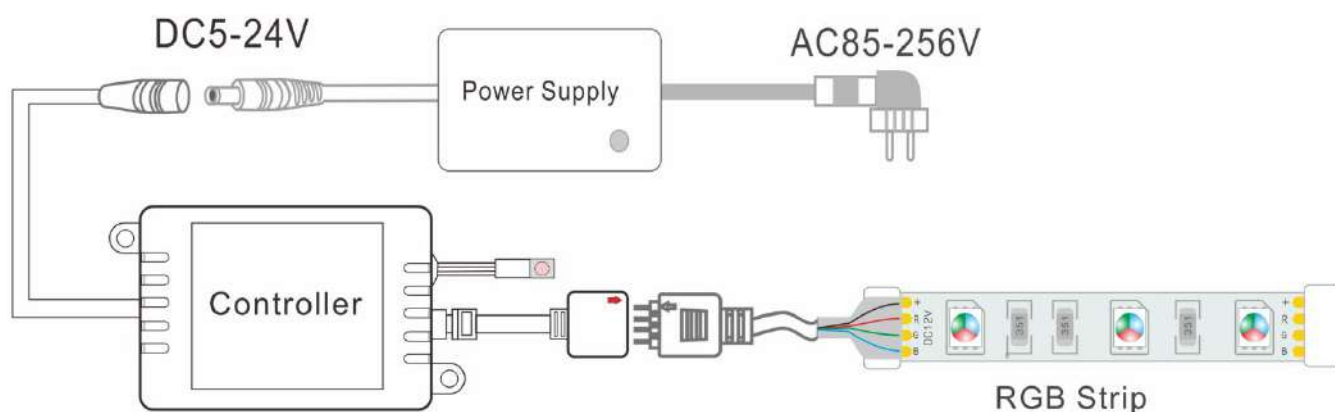
11. Voice assistant service: This controller is compatible with **Alexa, Google Assistant, Rokid, Tmall Genie, Ding Dong, Tencent Xiaowei** and other intelligent voice devices, it can control the

lights by connecting smart voice devices. For detailed connection methods and instructions, please follow the corresponding device instructions. As shown by Alexa:

Other services: The controller is also compatible with various services such as IFTTT.



Connection diagram



Cautions:

1. This product only use on supply voltage DC5-24V, do not input on other voltage.
2. The lead wire shall be according to the wiring diagram of the color and label, connect correctly.
3. This product can not be overloaded.
4. Do not put the controller in a wide range of use metal area, or near a strong electromagnetic wave area, otherwise it will seriously affect the communication distance.

FAQ:

If you have any questions when using wifi device, please enter “FAQ & Feedback” of “My” interface to check.

