

Wi-Fi SPI controller(UFO series)12-48v

Model Number: ZJ-BWCUFO-HCQ4-1K

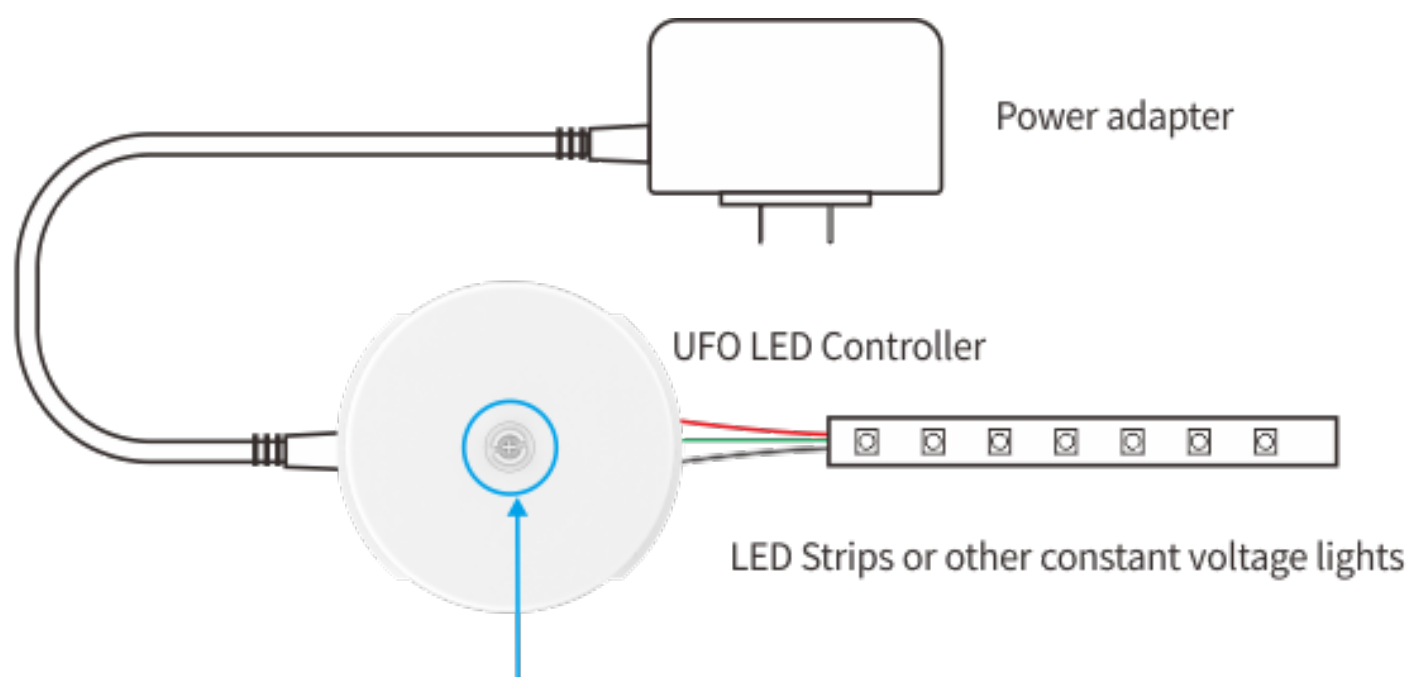
Product Name : Wi-Fi sound-control SPI controller(UFO series)



I: Product Parameter

Category	LED Controller
Domination Principle	WIFI
APP	Surplife
Operation Platform	Android 7.0/IOS 12.0 or higher
Signal Output	Support one-wire driver IC, able to control up to 2048 pixels
Input Voltage	DC (12-48) V
Max Output Power	12V:120W, 24V:240W, 48V:480W
Supported Driver IC	SPI: WS2812B, SM16703, SM16704, WS2811, UCS1903, SK6812, INK1003, UCS2904B
Working Temperature	-20~+55°C
Control Distance	Visible distance 40M
Net Weight	45g
Dimension(L*B*H)	70MM*60MM*24MM

II: Wire Connection

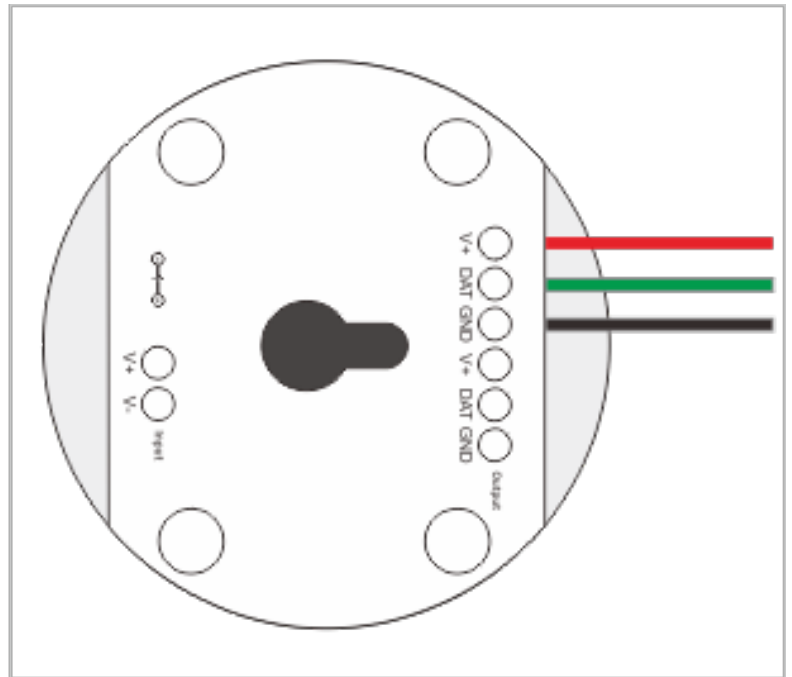


Short press: Turn on or transfer the Built-in modes

Long press: Hold on 3 seconds-turn off Hold on 8 seconds-restore factory Settings



The connection between the controller and the power supply



Controller and device connection

III. Download Surplife APP

Download "Surplife" APP from Apple Store and Google Play Store, or scan the QR code.

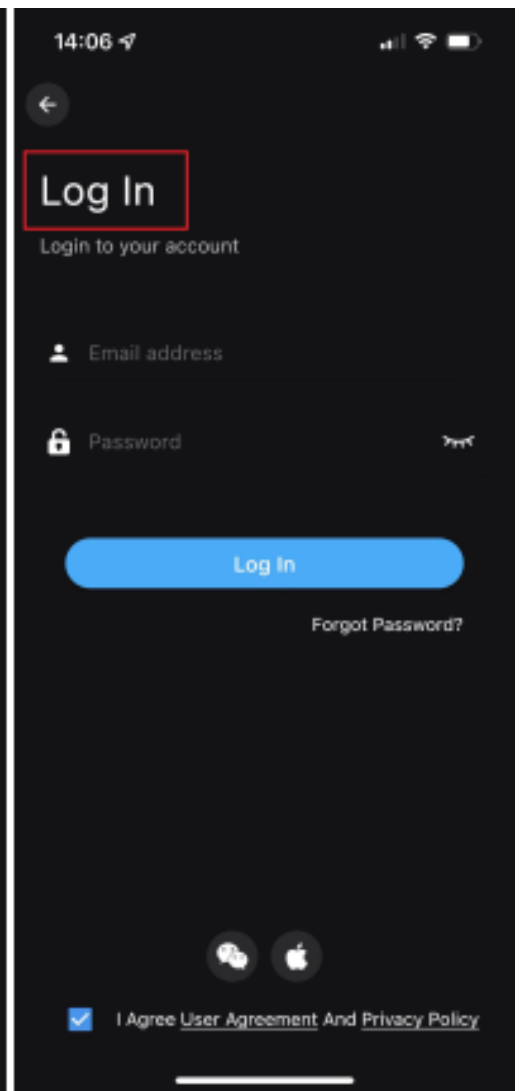
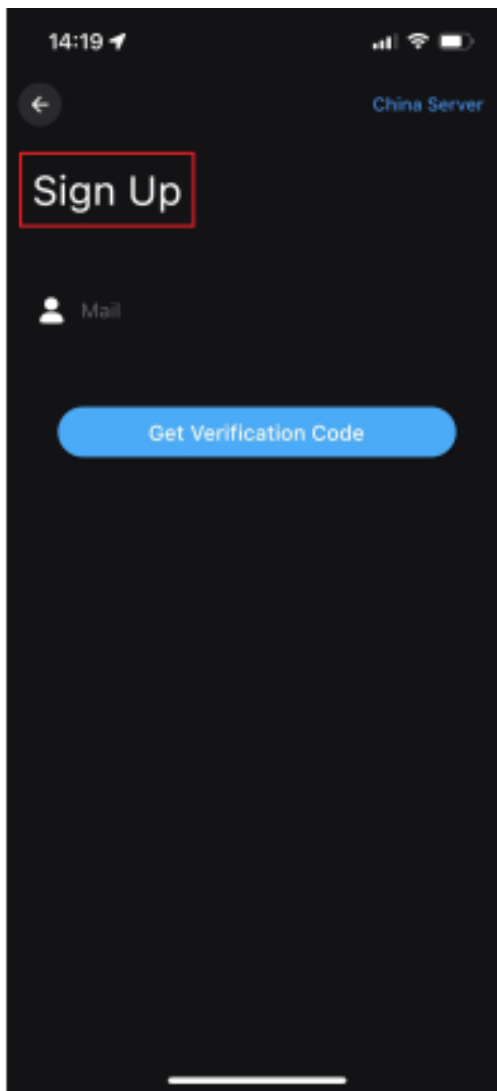
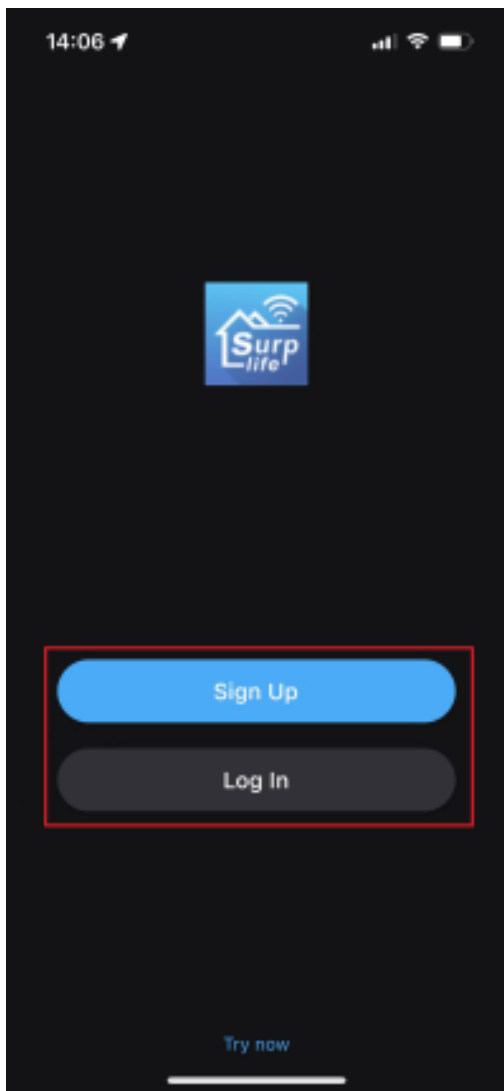


Surplife APP



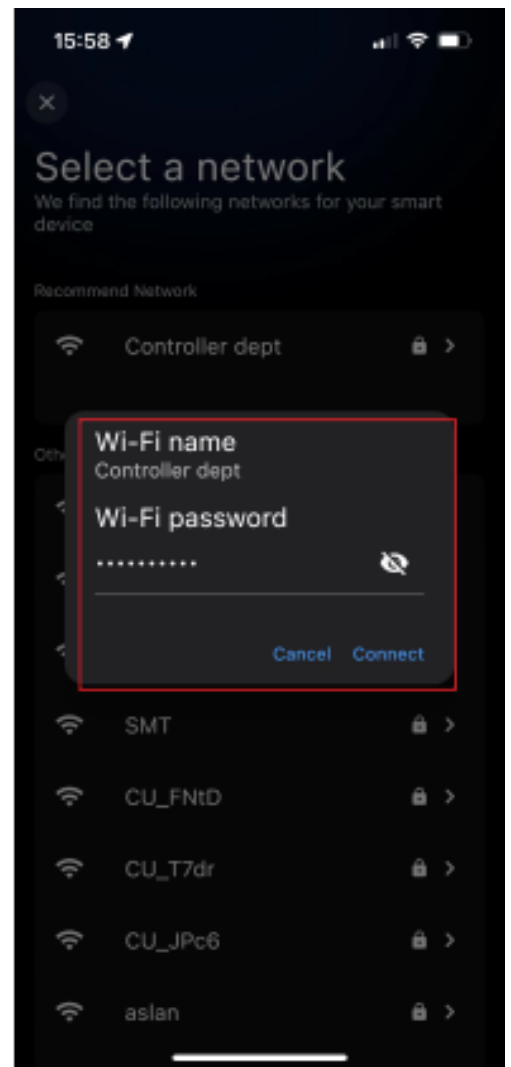
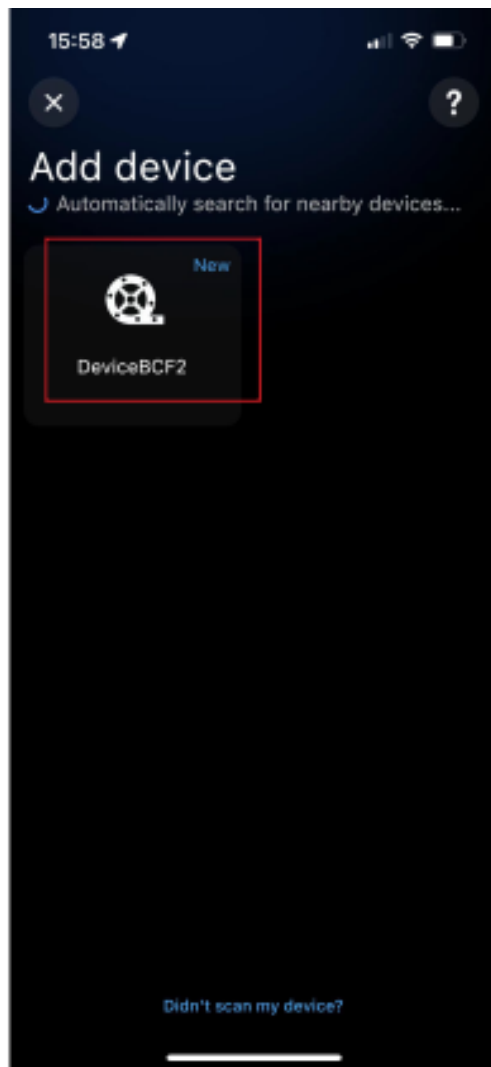
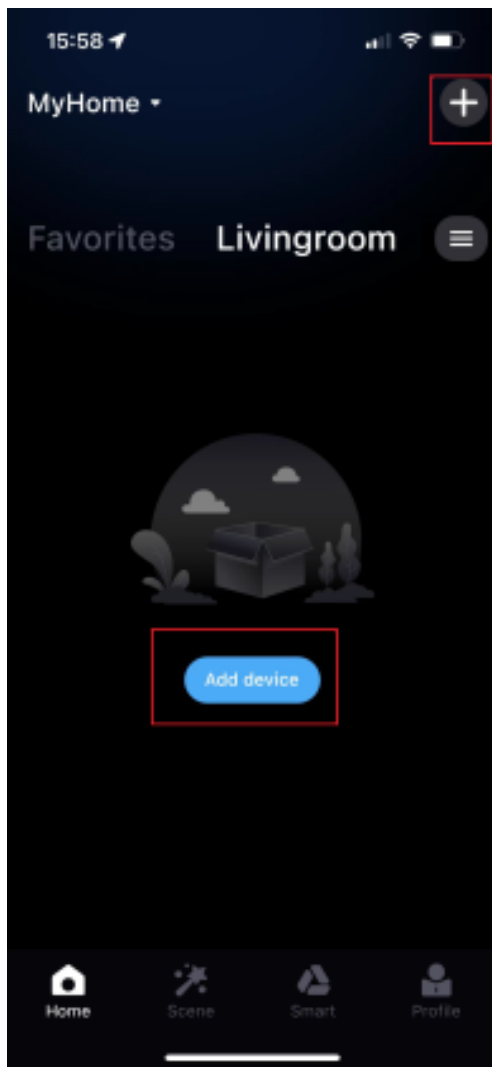
IV. How to connect the controller to Wi-Fi network?

- 1) Register/Login your Surplife account.

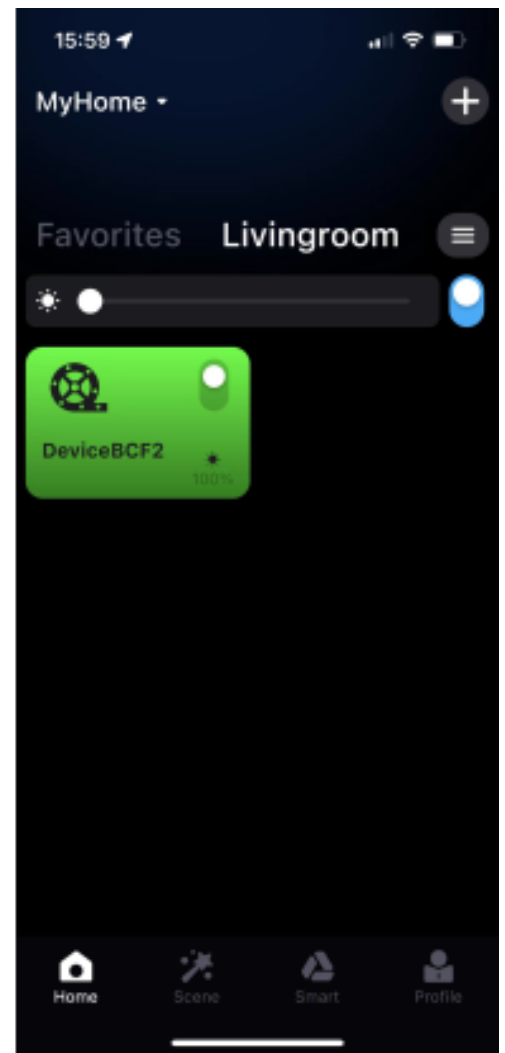
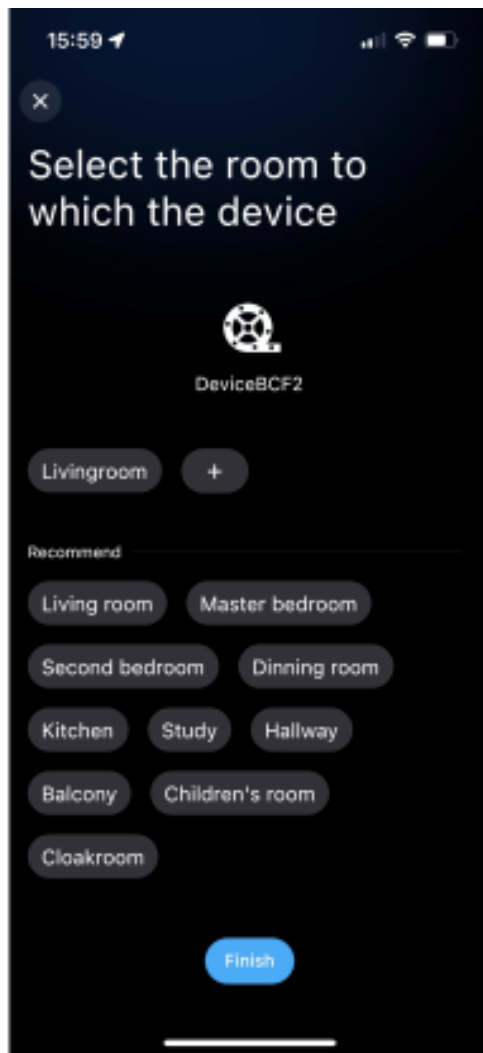
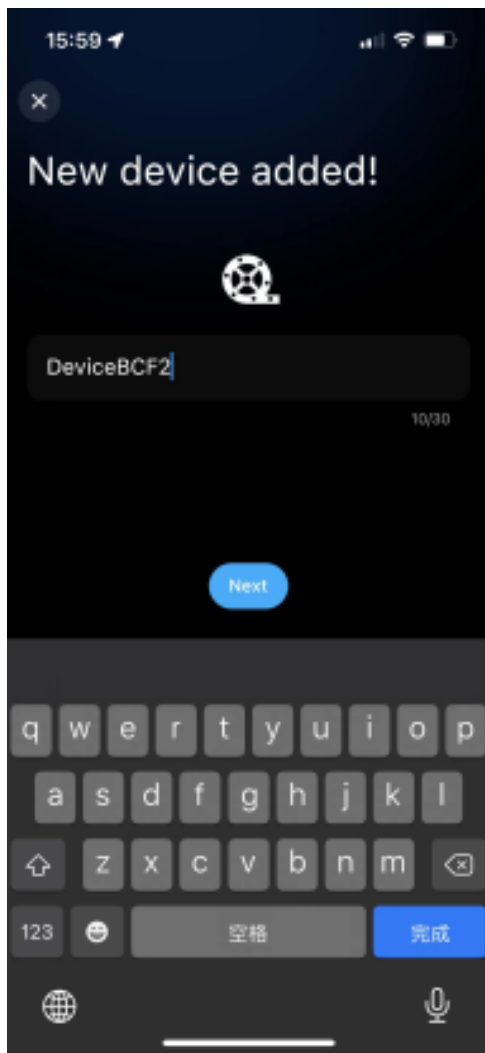


2) Open your phone Bluetooth, turn on the device.

3) Enter "Surplife" app, tap "Add Device" or click "+" to add the device. Then select your Wi-Fi network(Only works with 2.4Ghz network), enter the password .

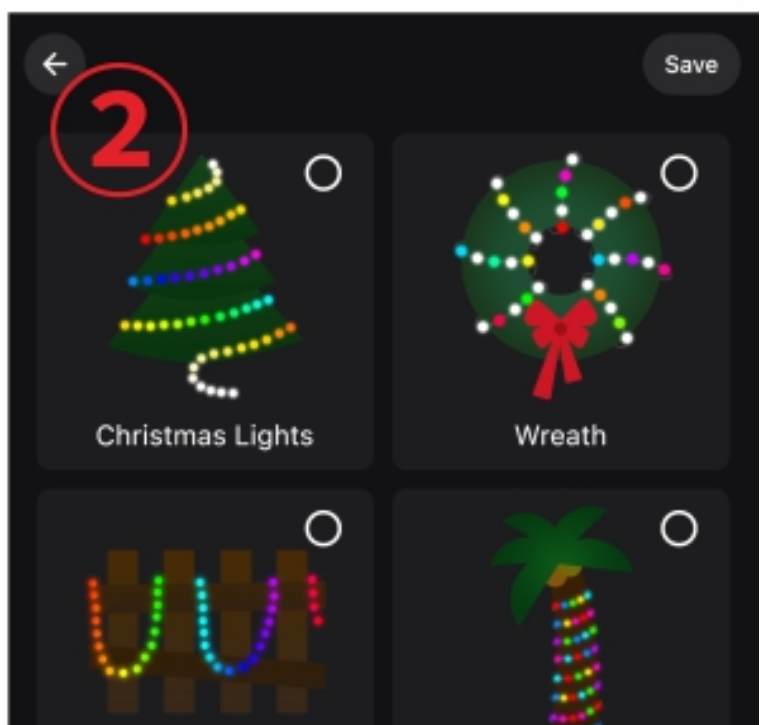
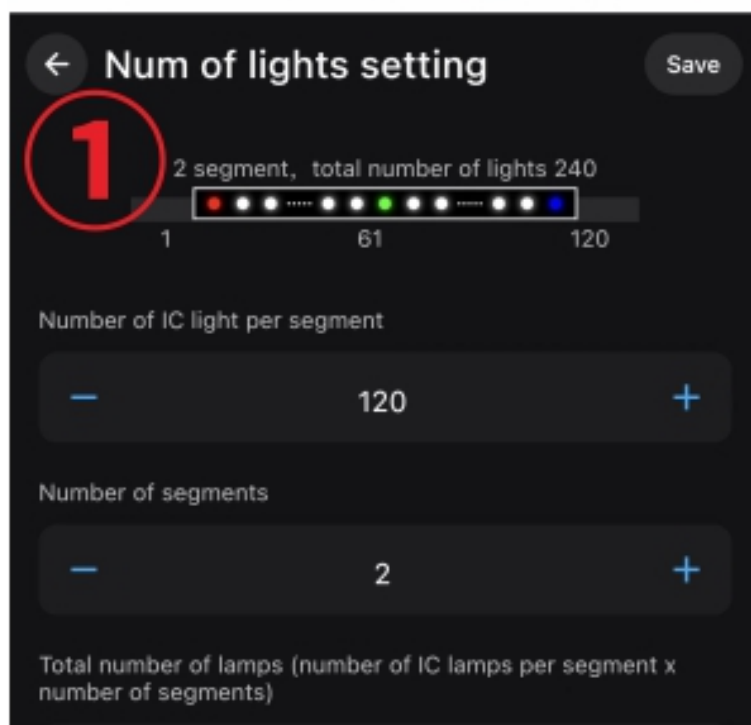
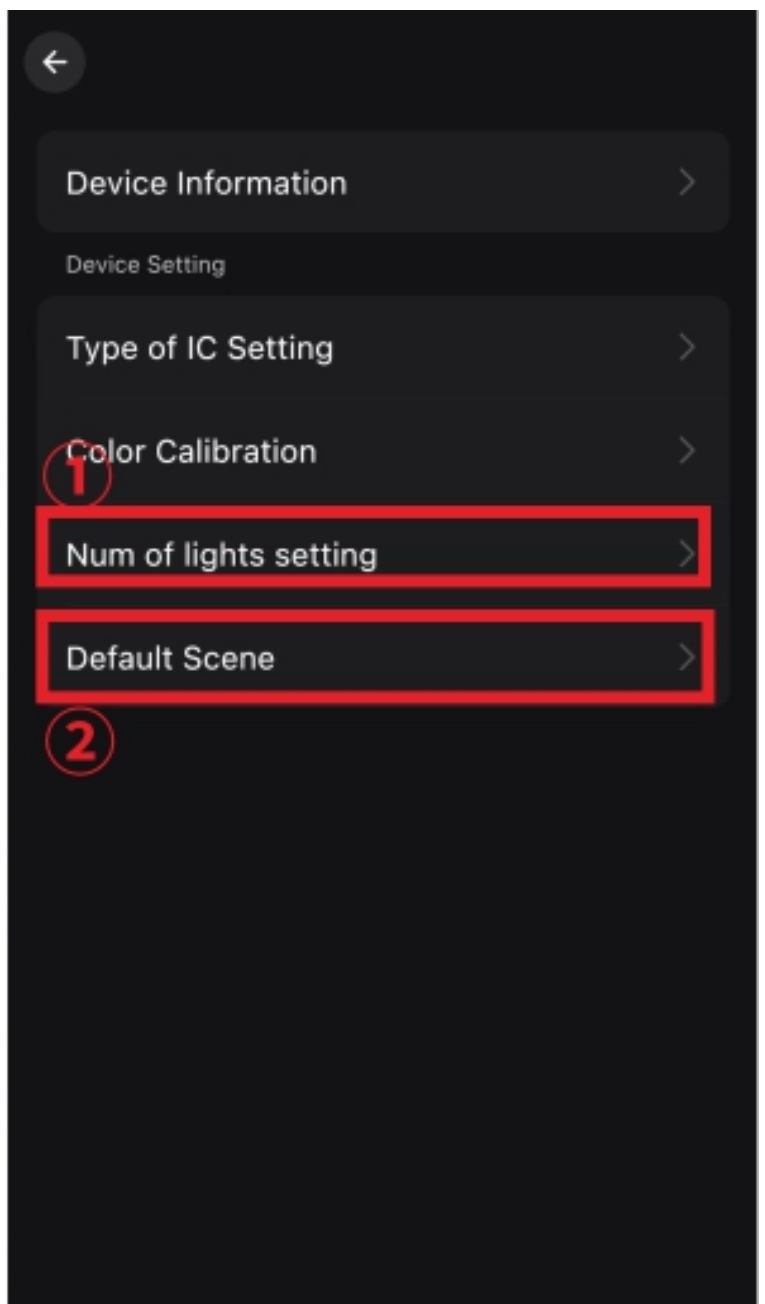
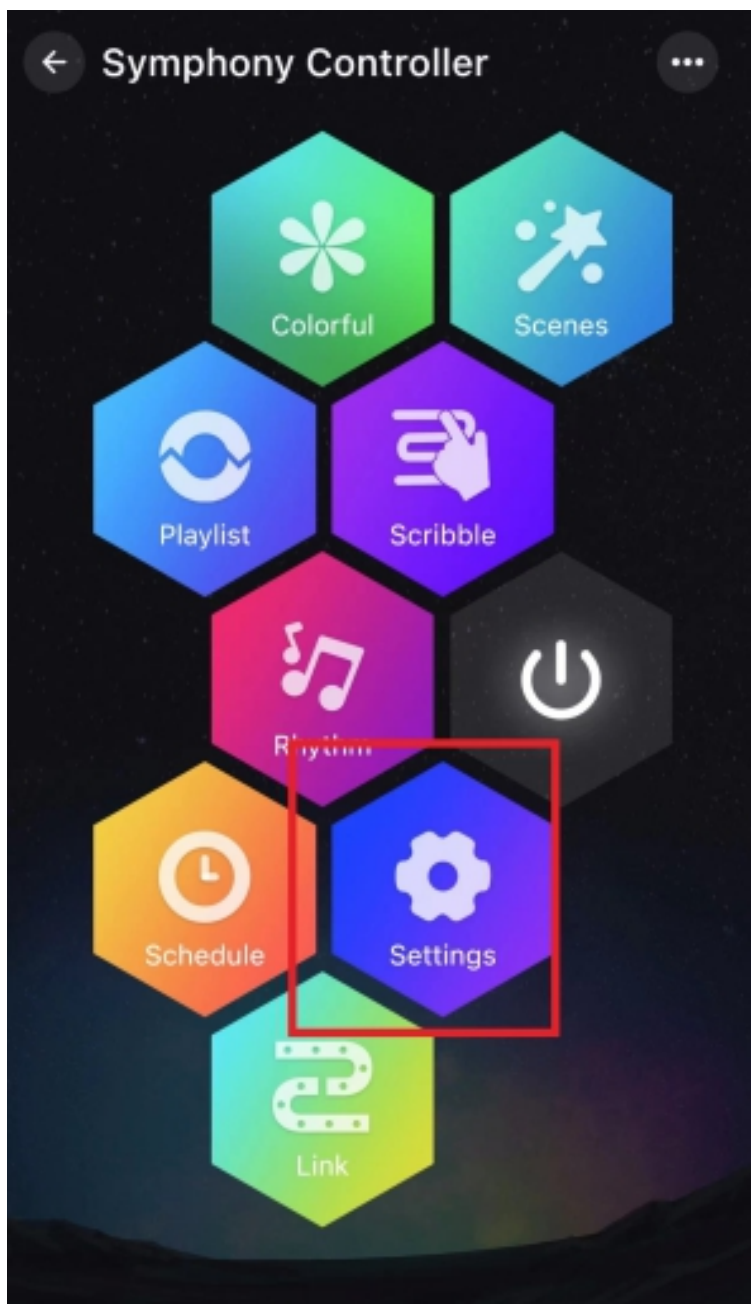


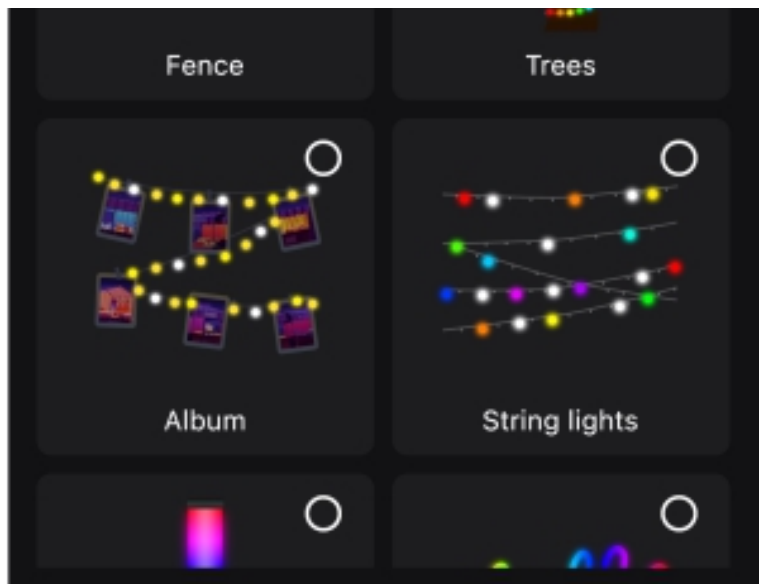
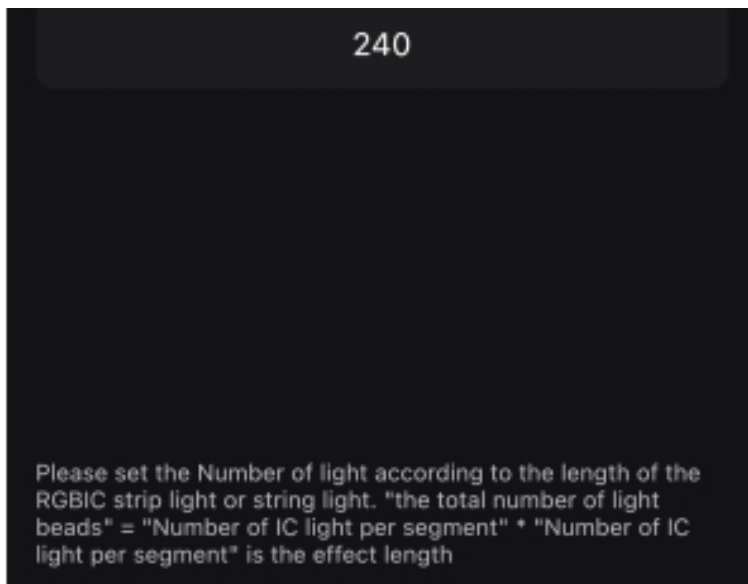
4) The device name can be modified and select the room after successfully connecting to Wi-Fi network.



V.About Settings

- 1) In the setting interface, you can set the IC model, color correction, number of points(Total number of points can not exceed 300 in each segment and total LED chips quantity can not exceed 2048)
- 2)The setting of IC number is applied to the smearing function

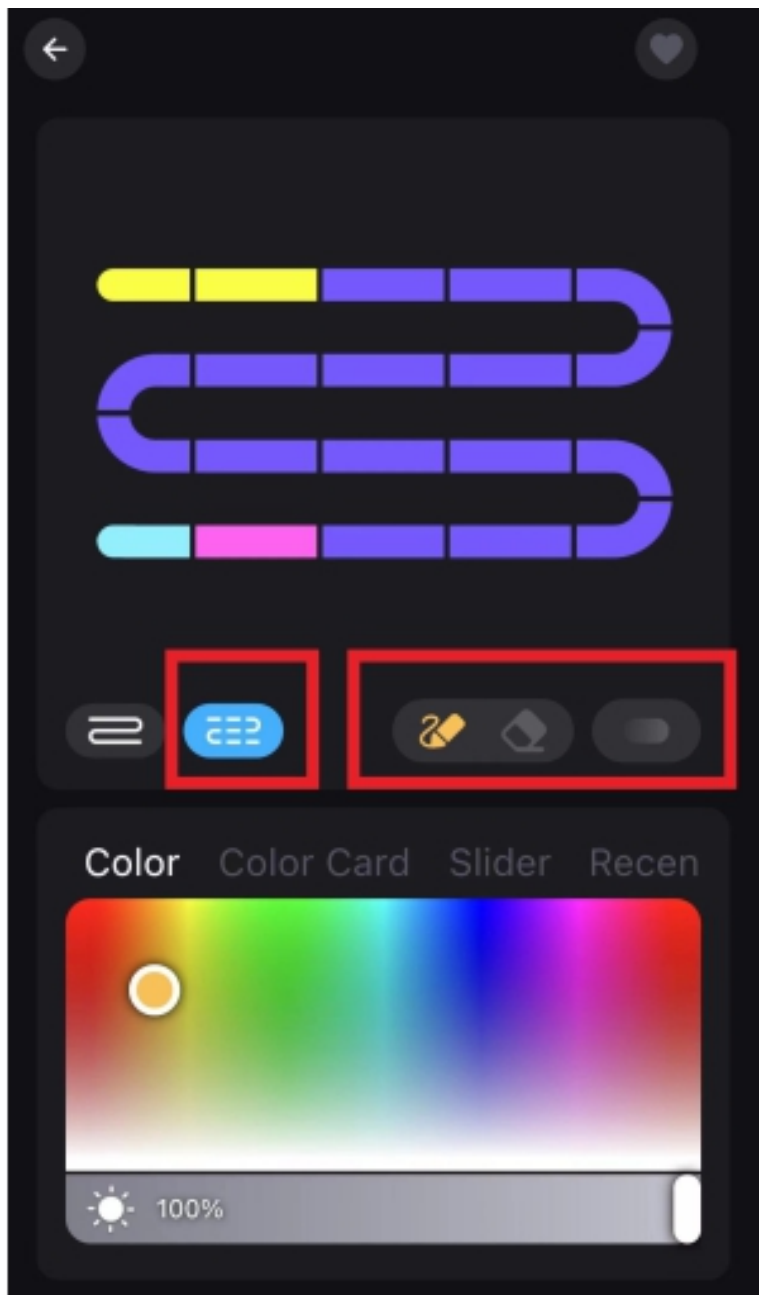
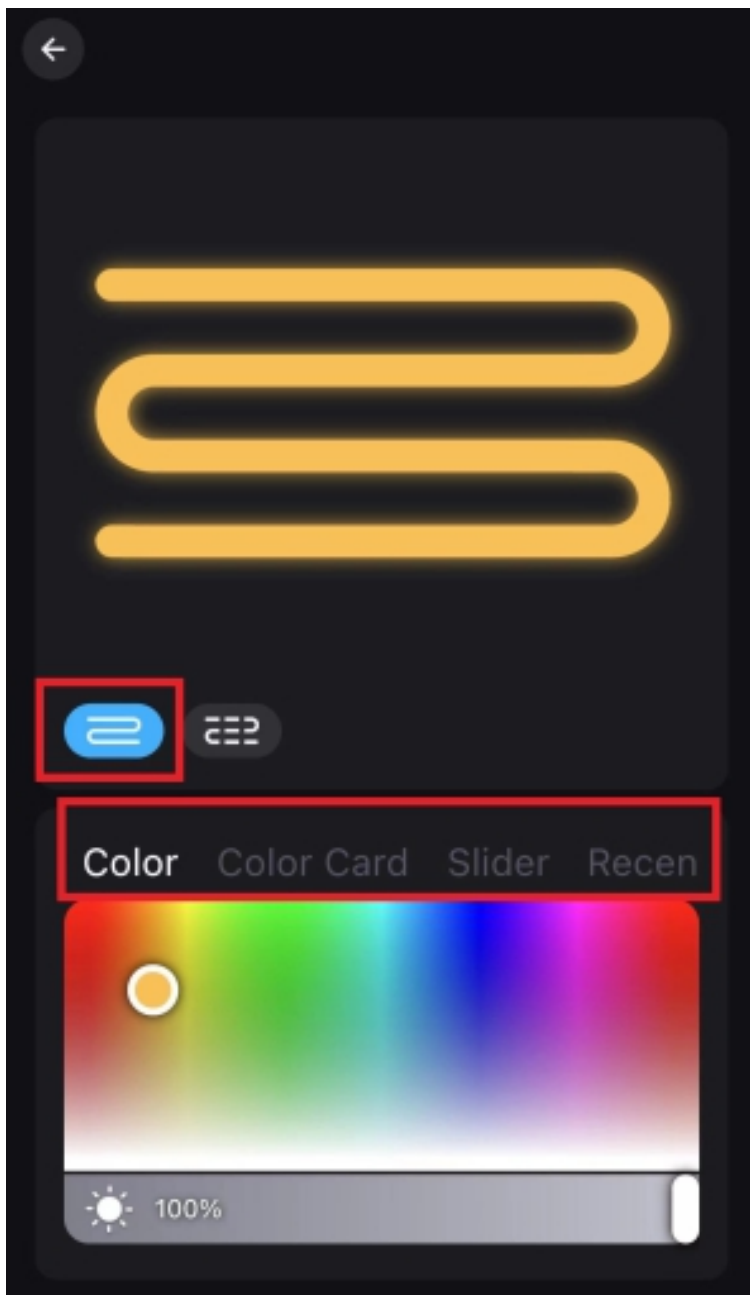




VI.Detailed introduction of APP functions

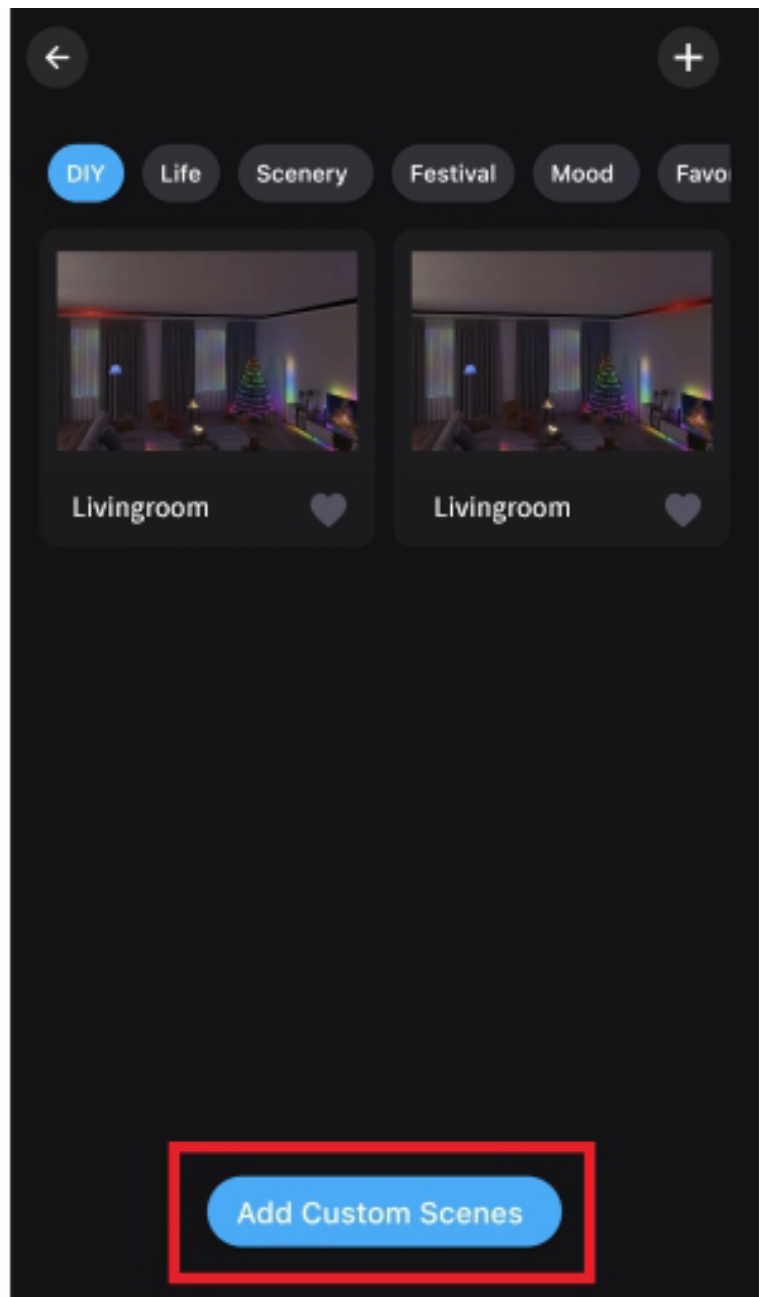
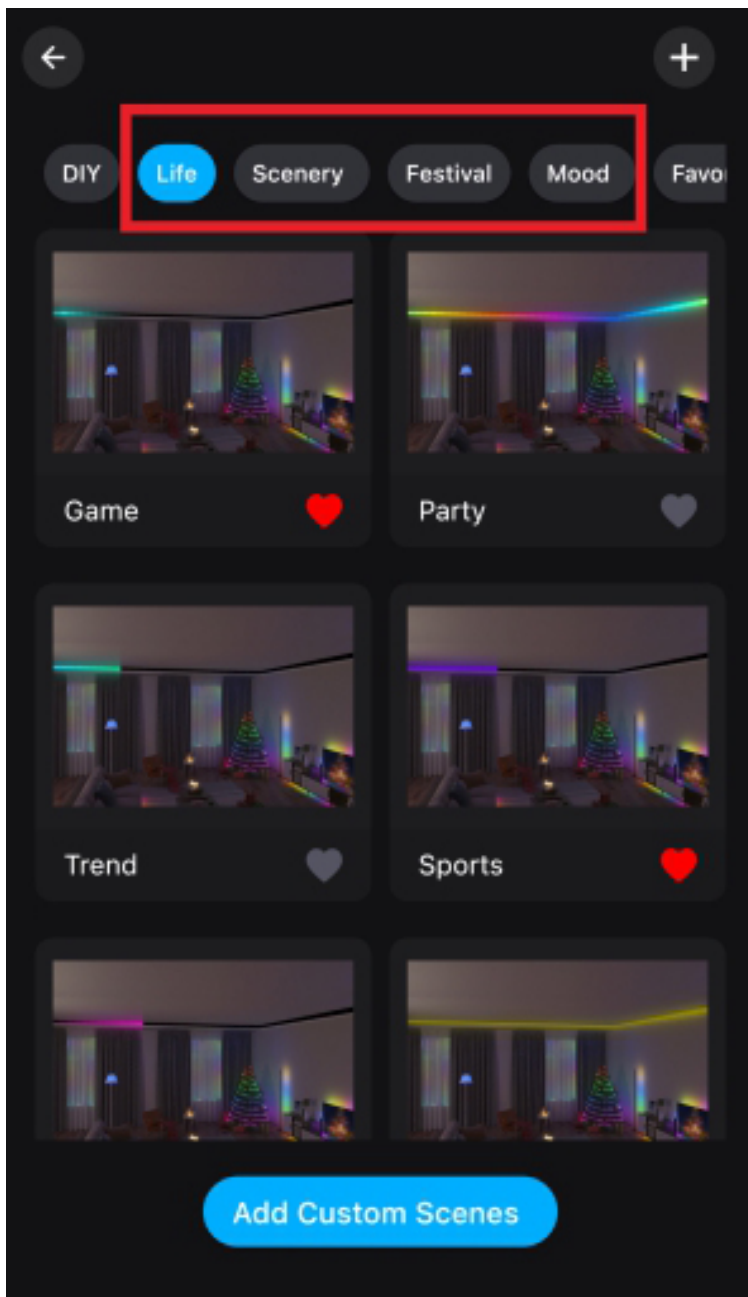
1) Multi color function

The color of the light can be adjusted by the whole and each segment. App provides different columns for color selection or editing, and the brightness can also be adjusted. In the segmentation interface, users can freely smear or erase the color of each segment, and also set the gradient effect.



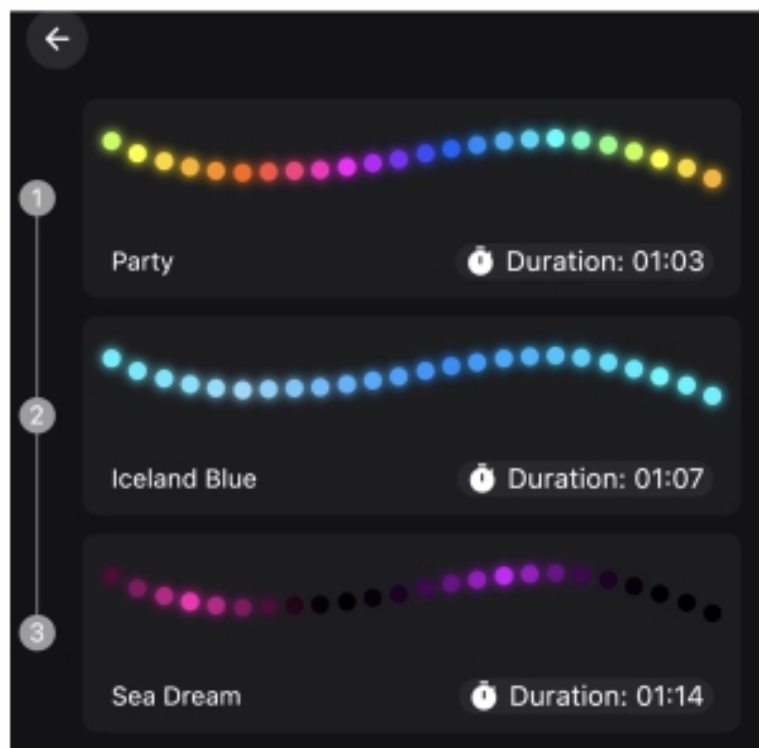
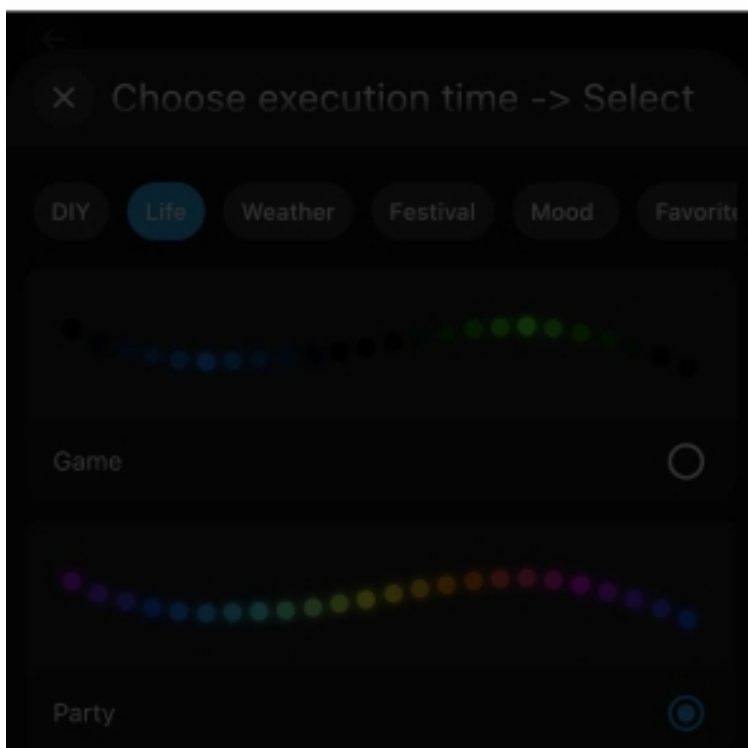
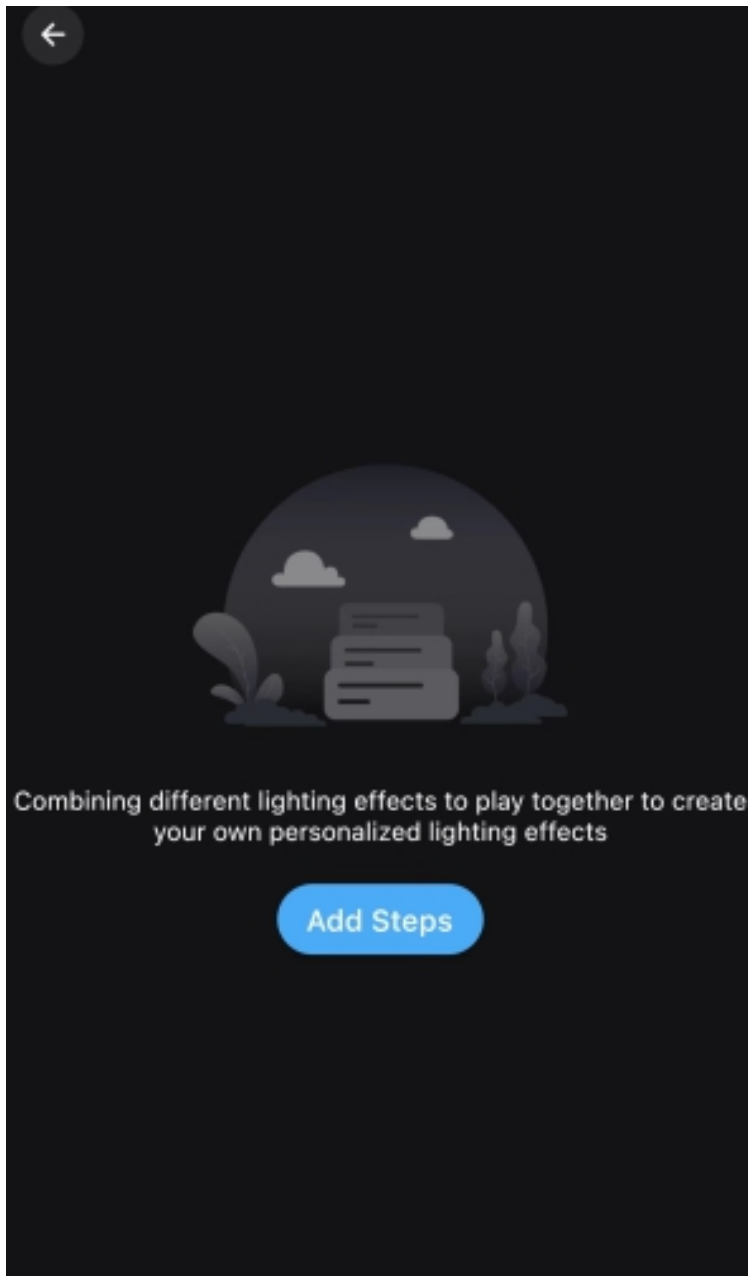
2) Scene settings

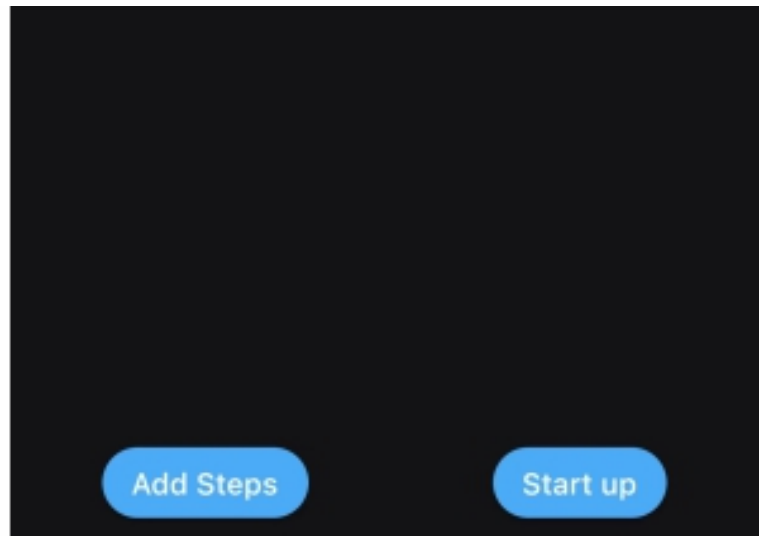
There are Four Build-in scenes: "Life", "Scenery", "Festivals", "Mood", and click "DIY" or "Collection" to create your favorite light effect.



3) Playlist mode

Multiple light dynamic modes built in, can set the time of lighting effects and enter cycle mode. Select different scene modes, then set the duration of each scene respectively, and play it by combining the sequence of different lighting effects.



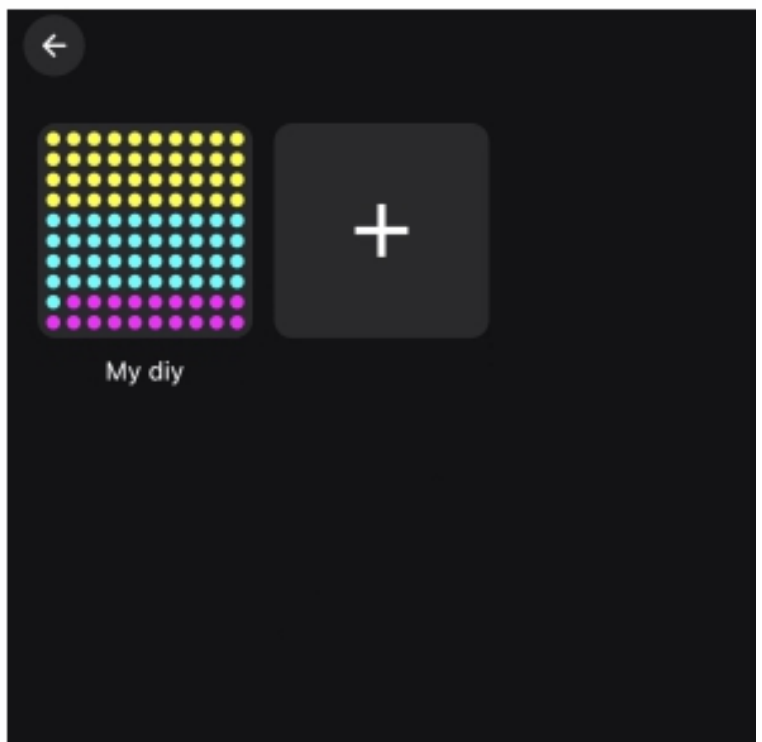
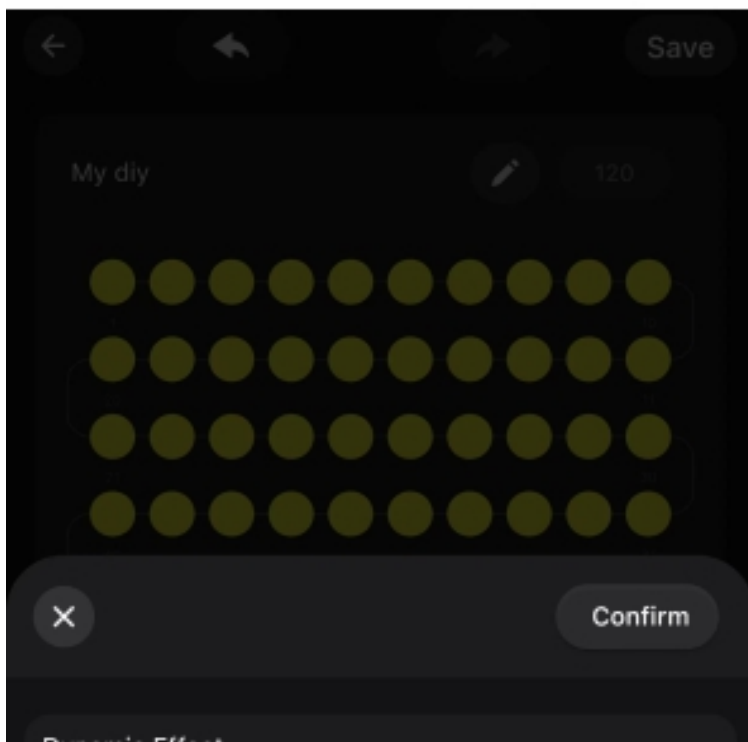
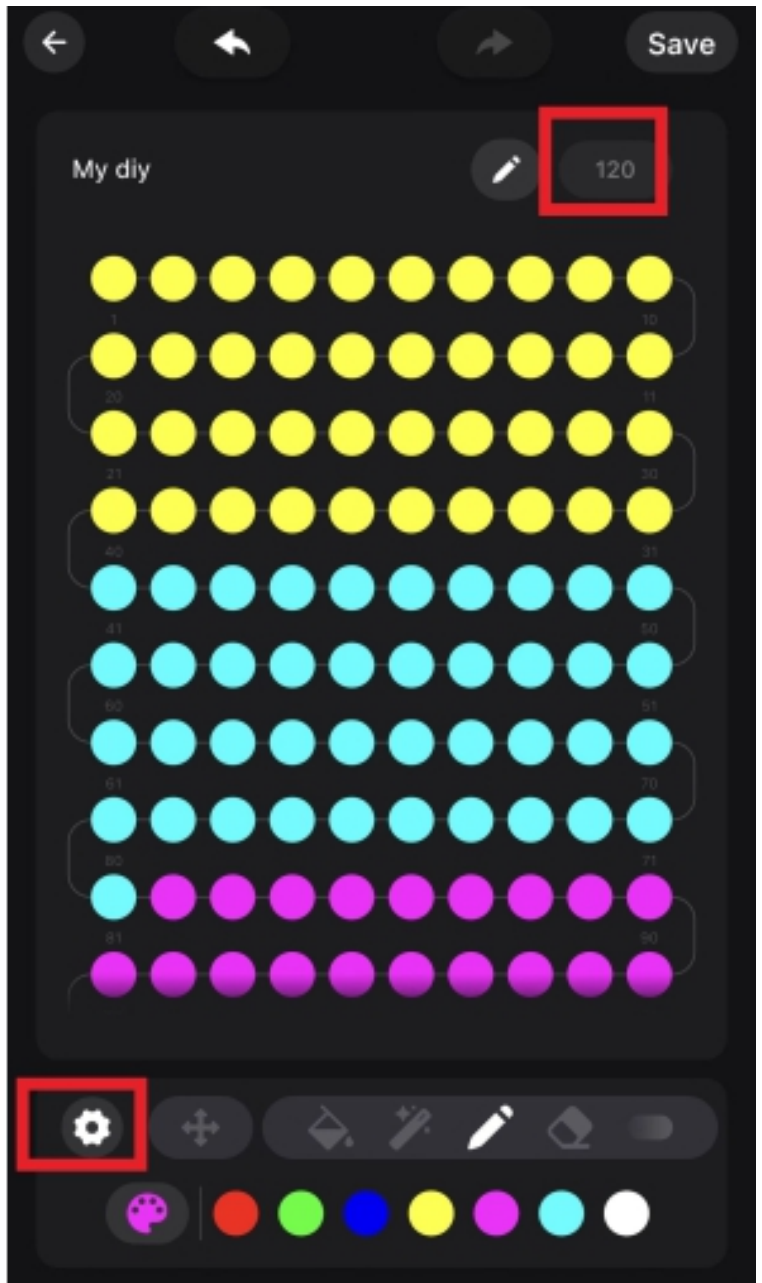
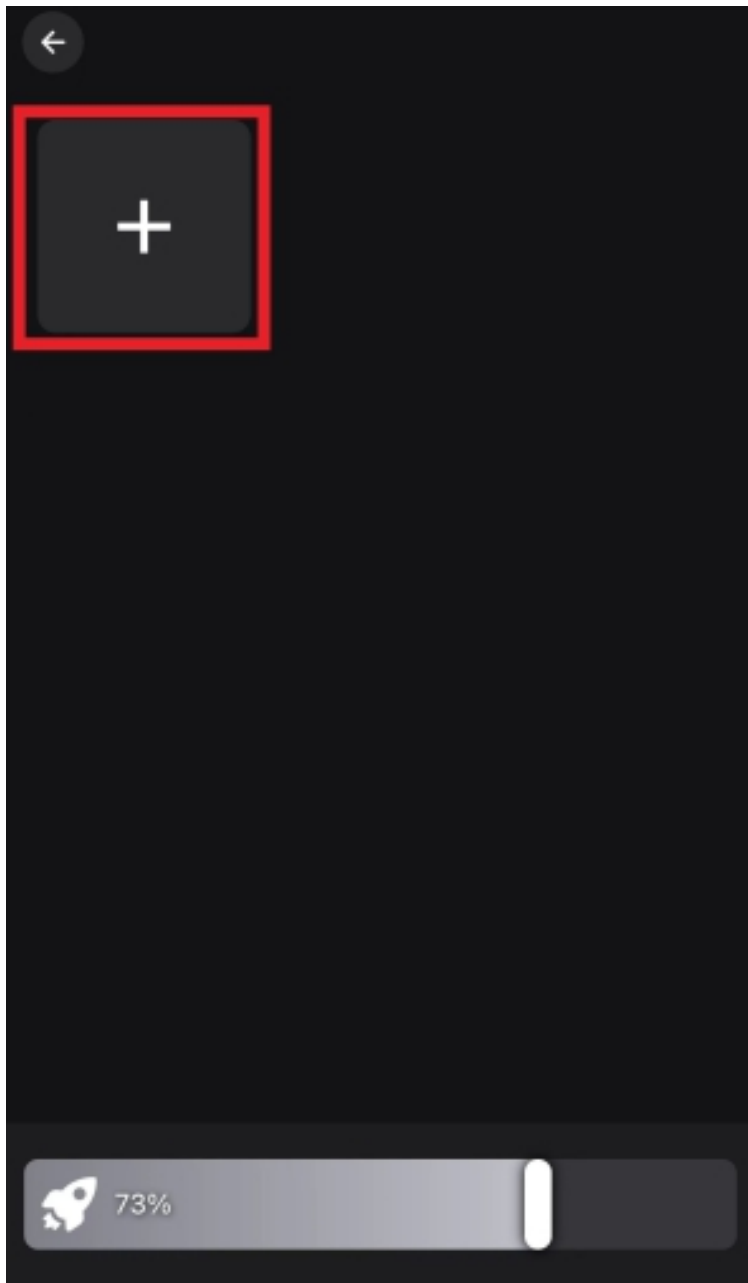


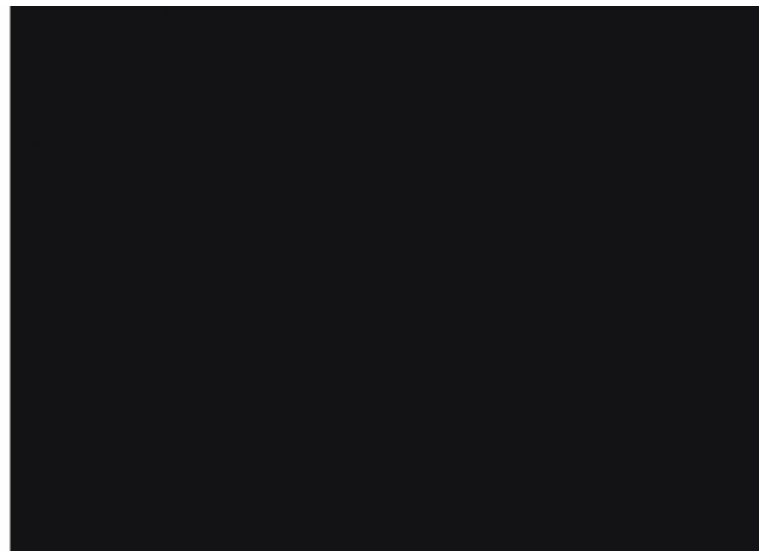
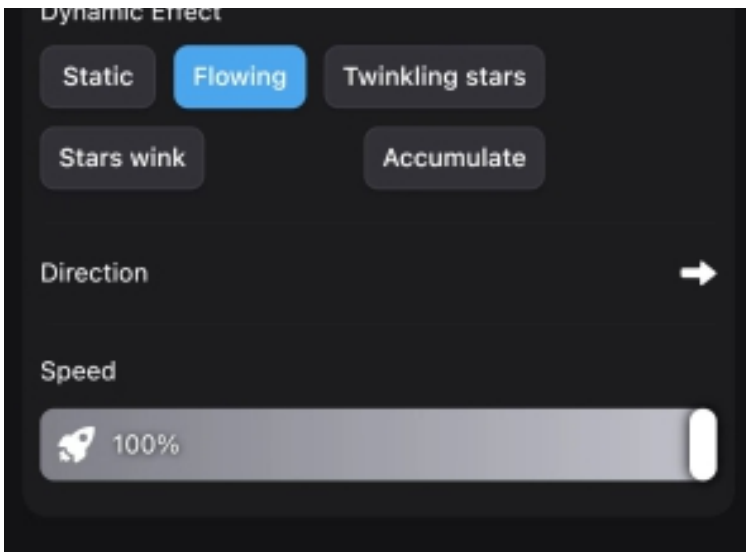
4) Smear function

Click "+" to DIY the lighting color and dynamic effects then save it.

Before DIY, please set the number of IC in "Settings" to ensure that the number of lights is consistent with the device, Otherwise, the lighting effect is incorrect.

Before customize, please ensure that the IC number in app setting is the same as the light device, otherwise, the lighting effect will be incorrect.

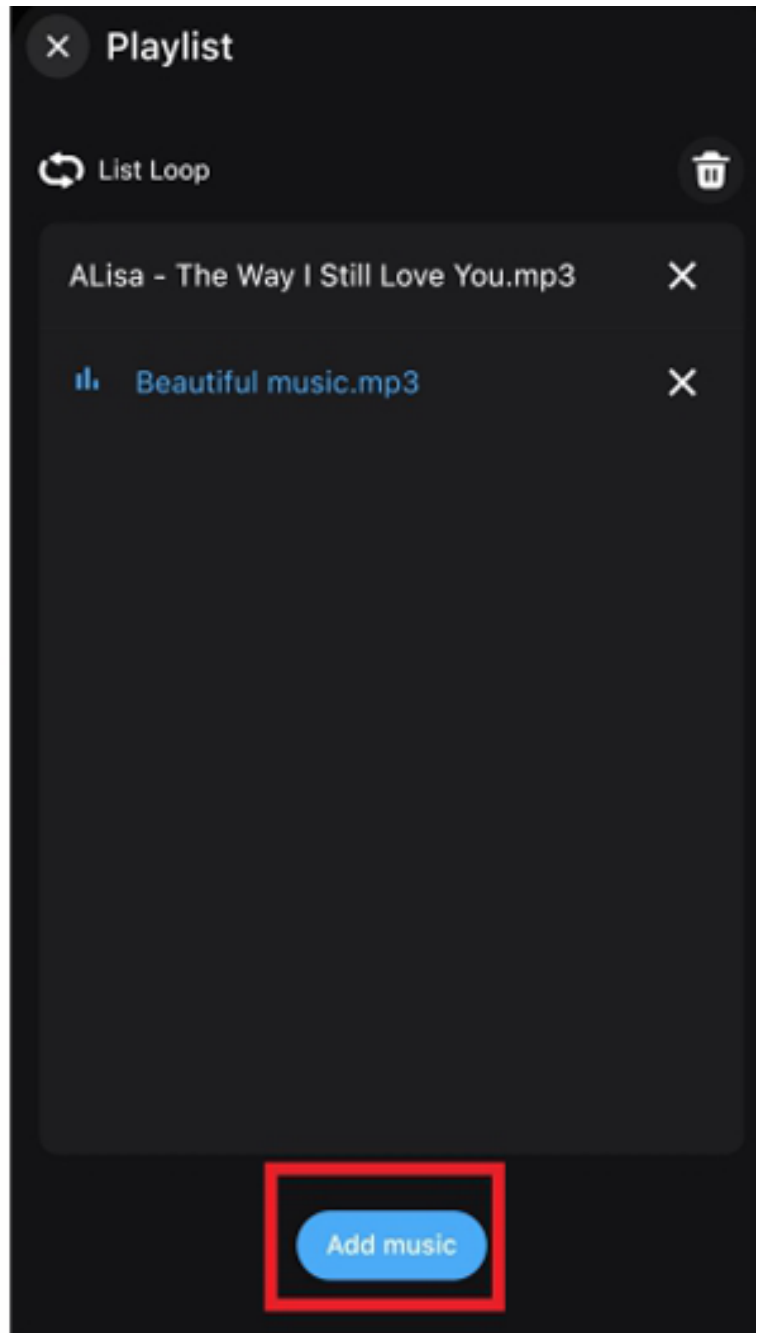
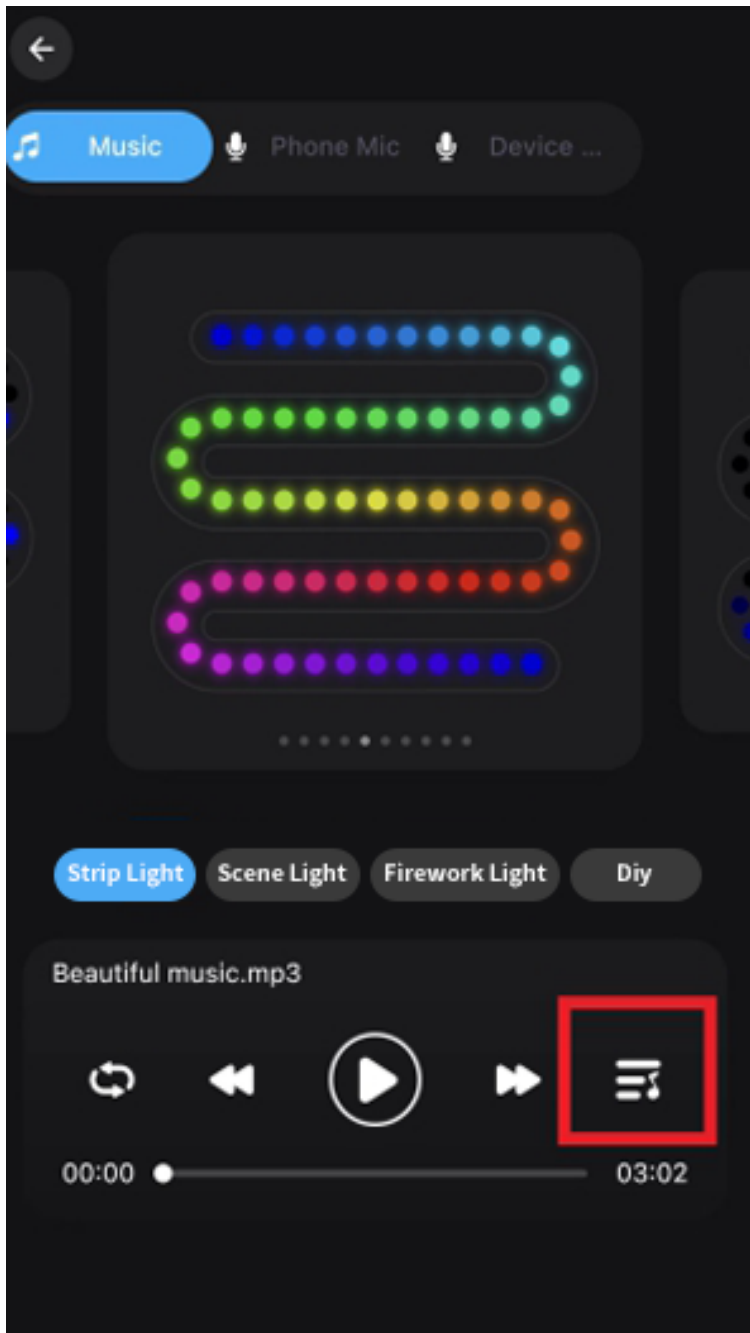




5).Music Mode

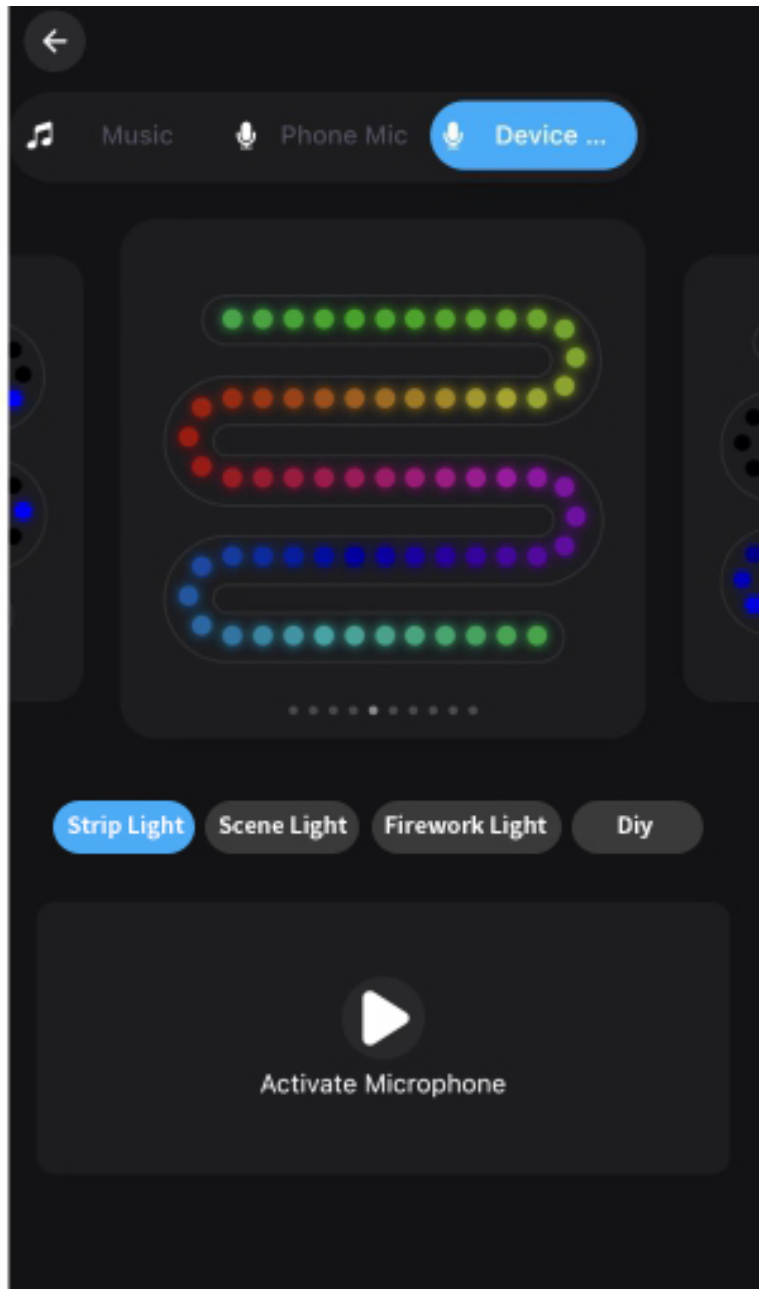
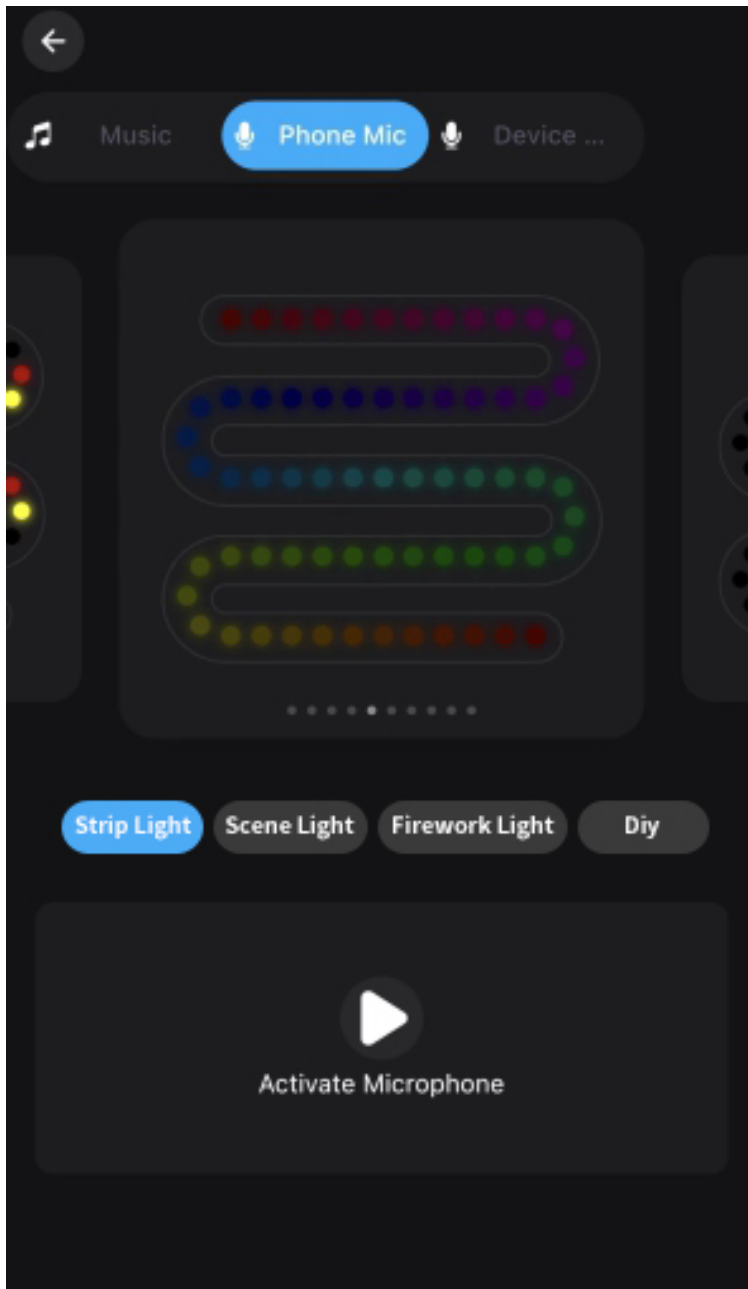
1.Synchronization function of lighting and music rhythm.

Click "Add Music" > Import a music file or import it from the built-in music library.



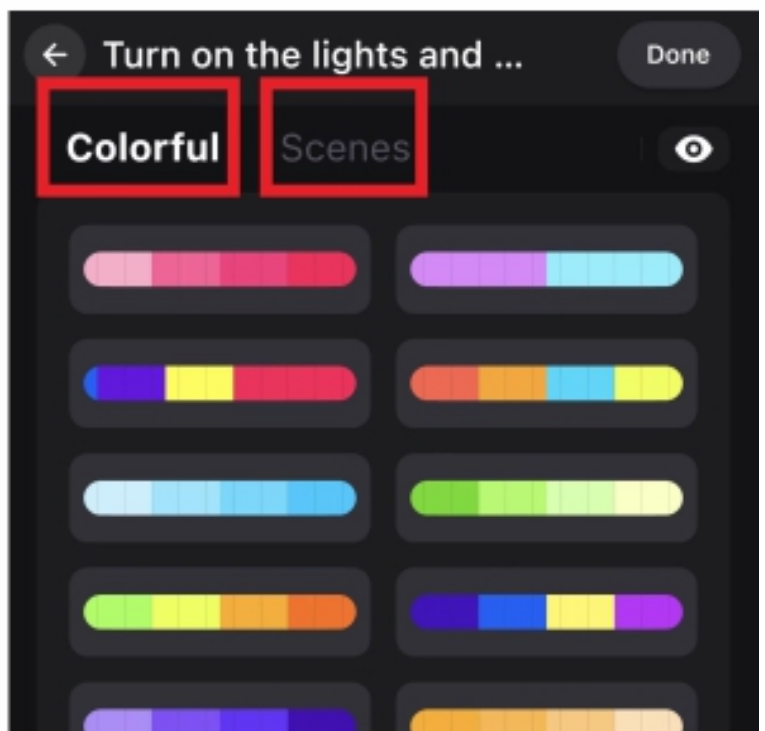
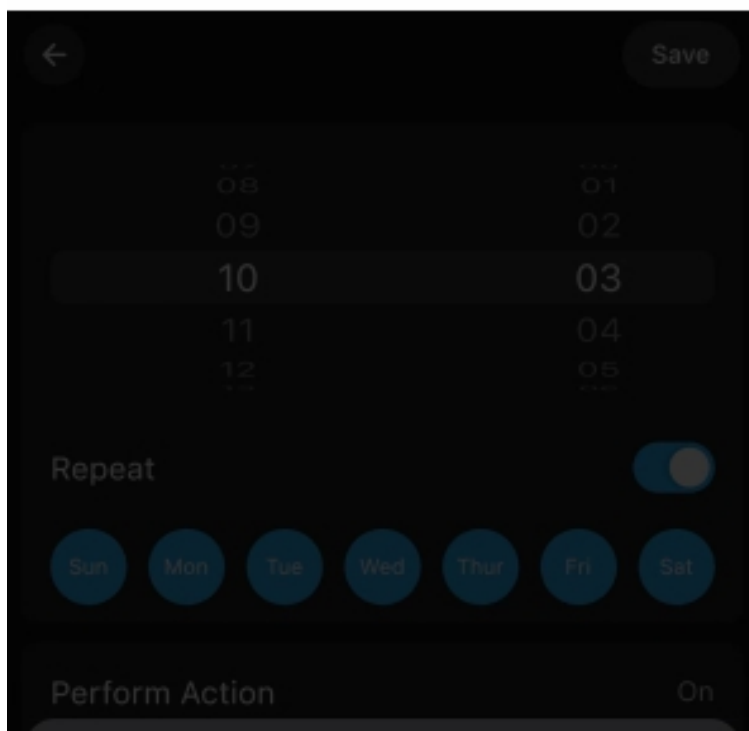
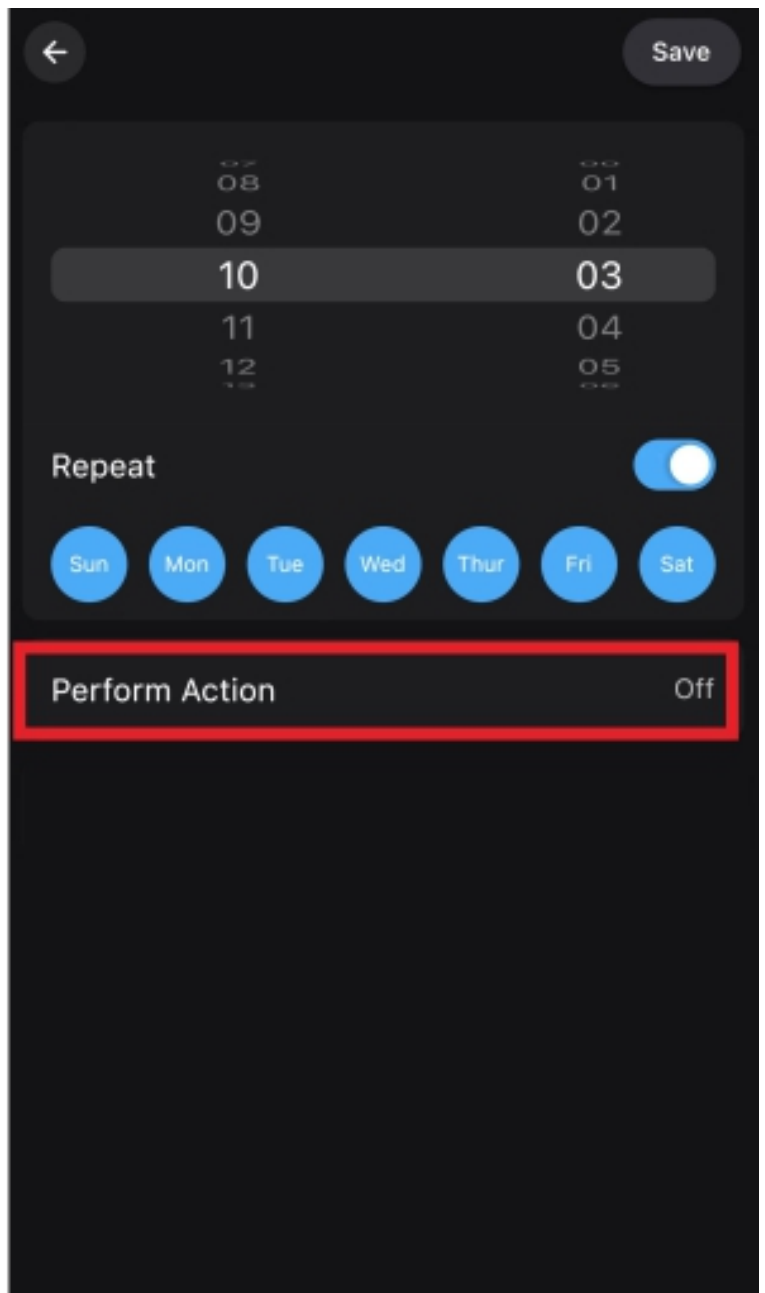
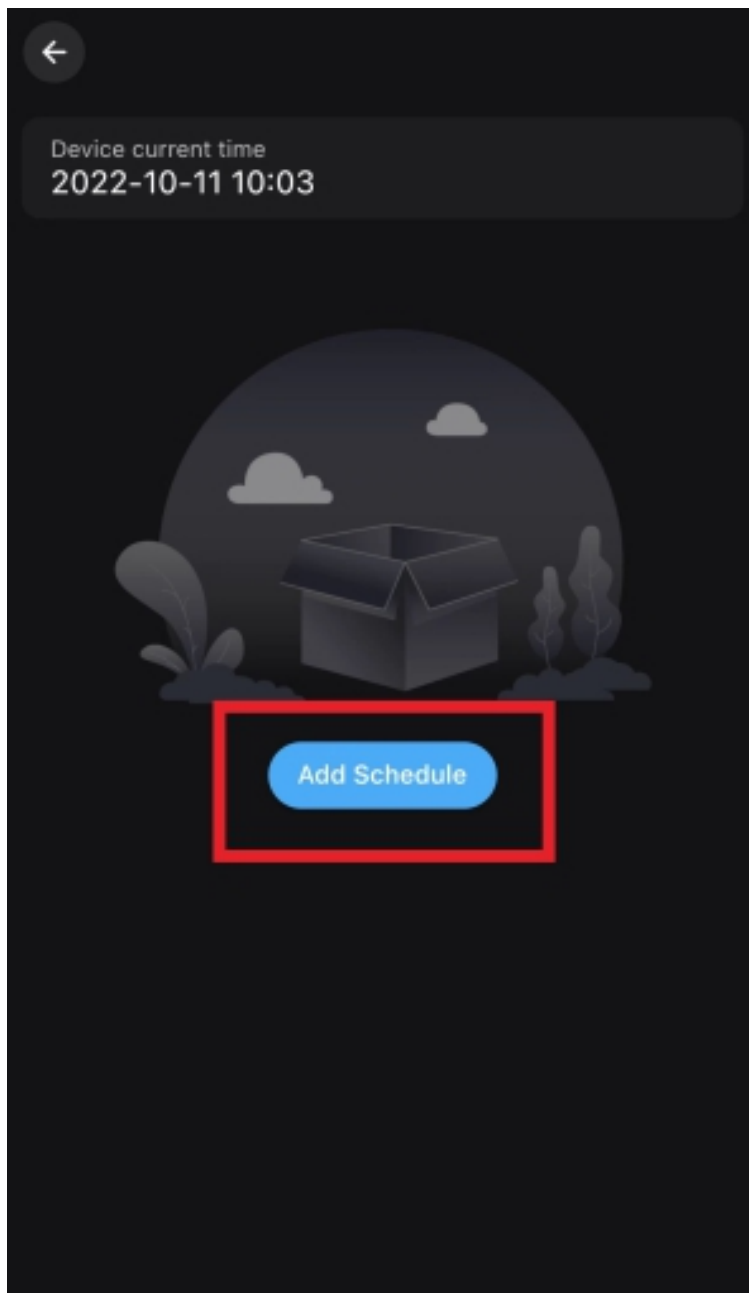
2.MIC

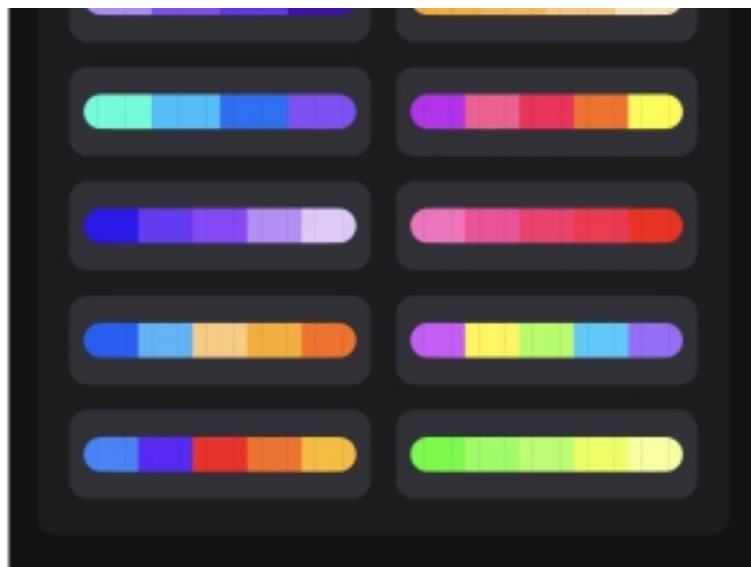
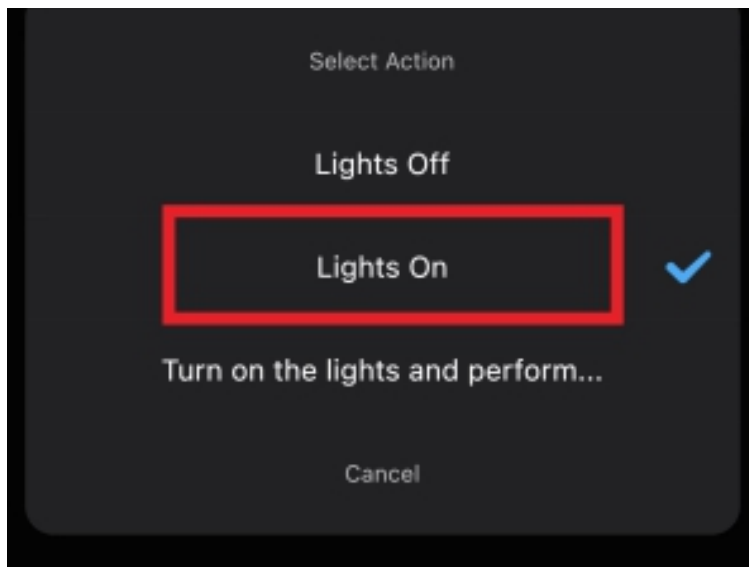
The lights color will change with the sound rhythm when your phone microphone catches the sound. The microphone sensitivity can be adjusted by the slider. There are two ways to input the audio signal on the controller, built in APP microphone and external microphone (For sound control version).



6) Light timer

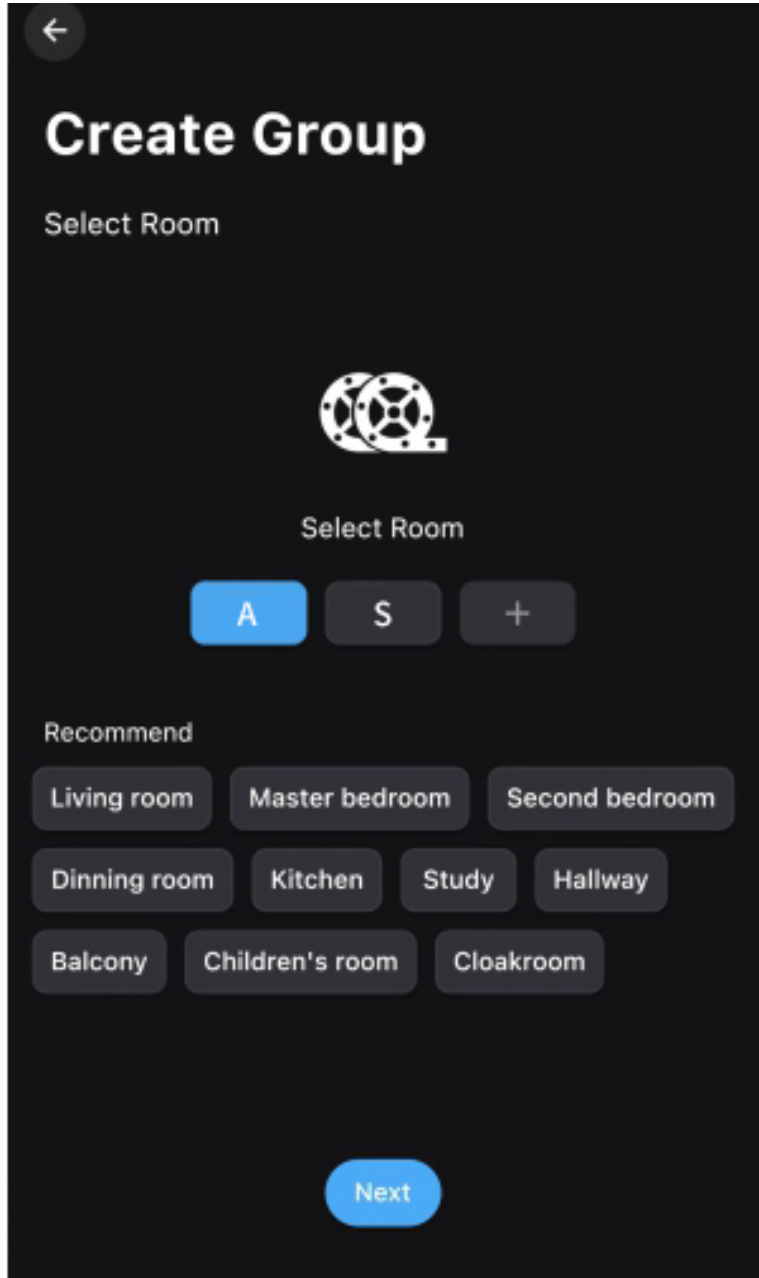
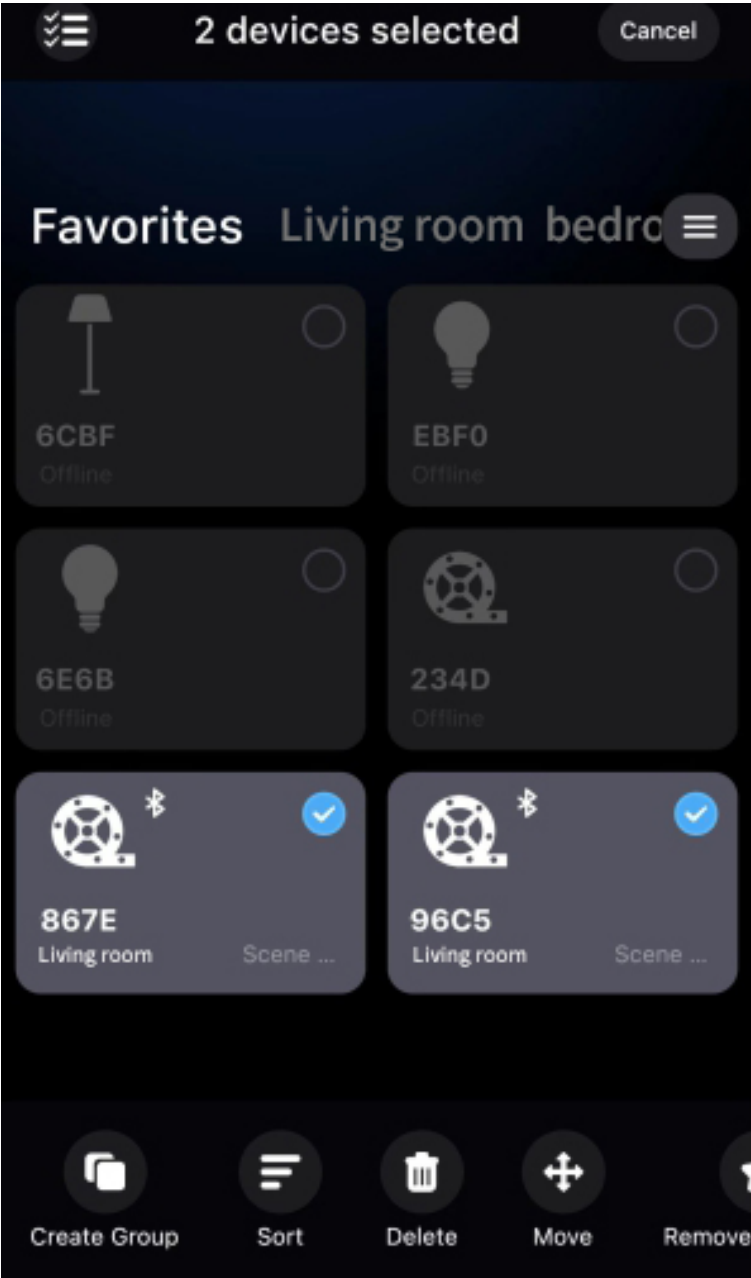
Smart lights automatically come on and off at given times through the timer function, choose your favorite effect and color then save it





7) Group Control

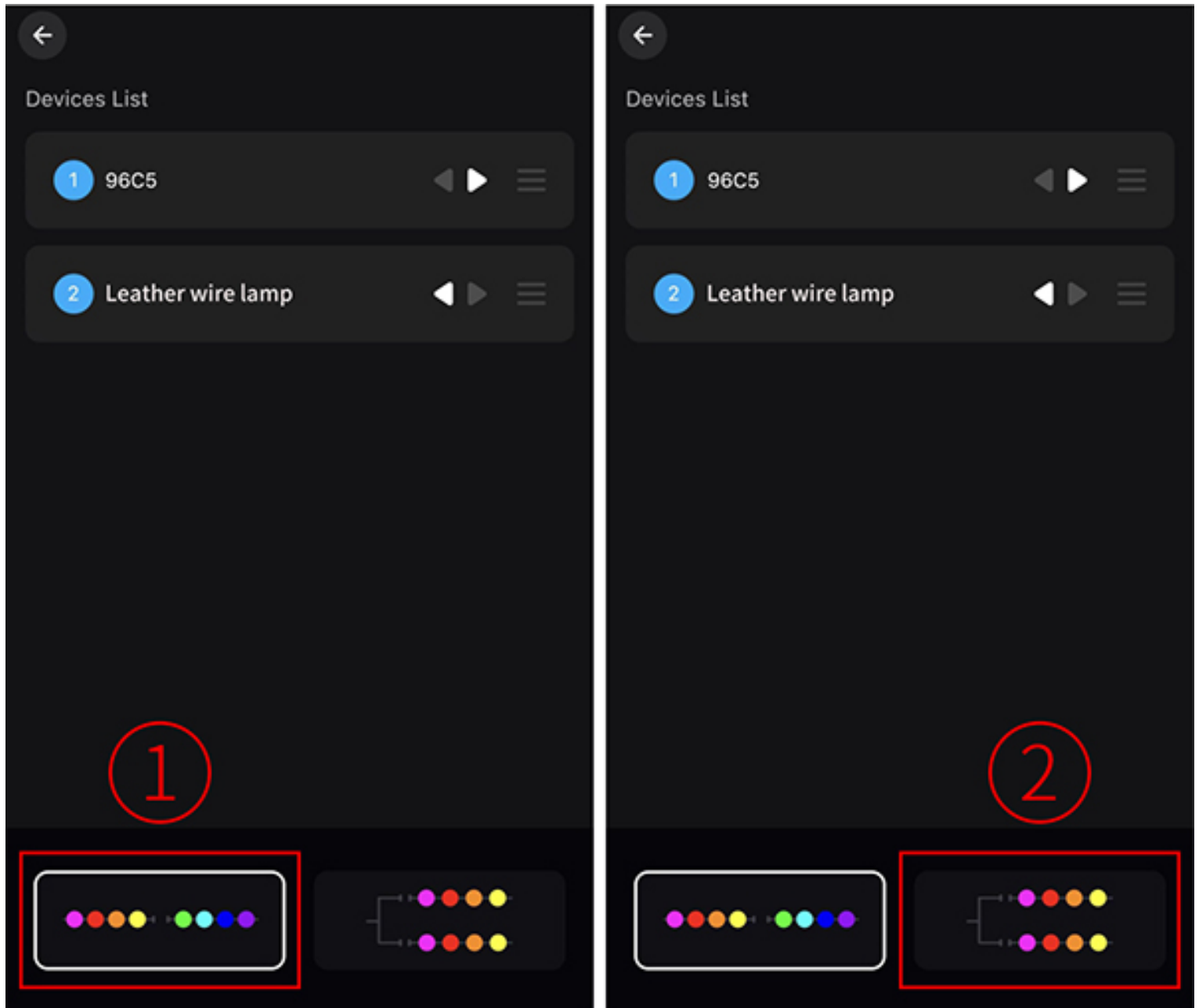
This mode allows you to create different groups to control more than one controllers at the same time.



8).Link

Setting a group for the strip lights, enjoy the linkage lighting effect. Hold and drag the device on the list to change the order and the direction.

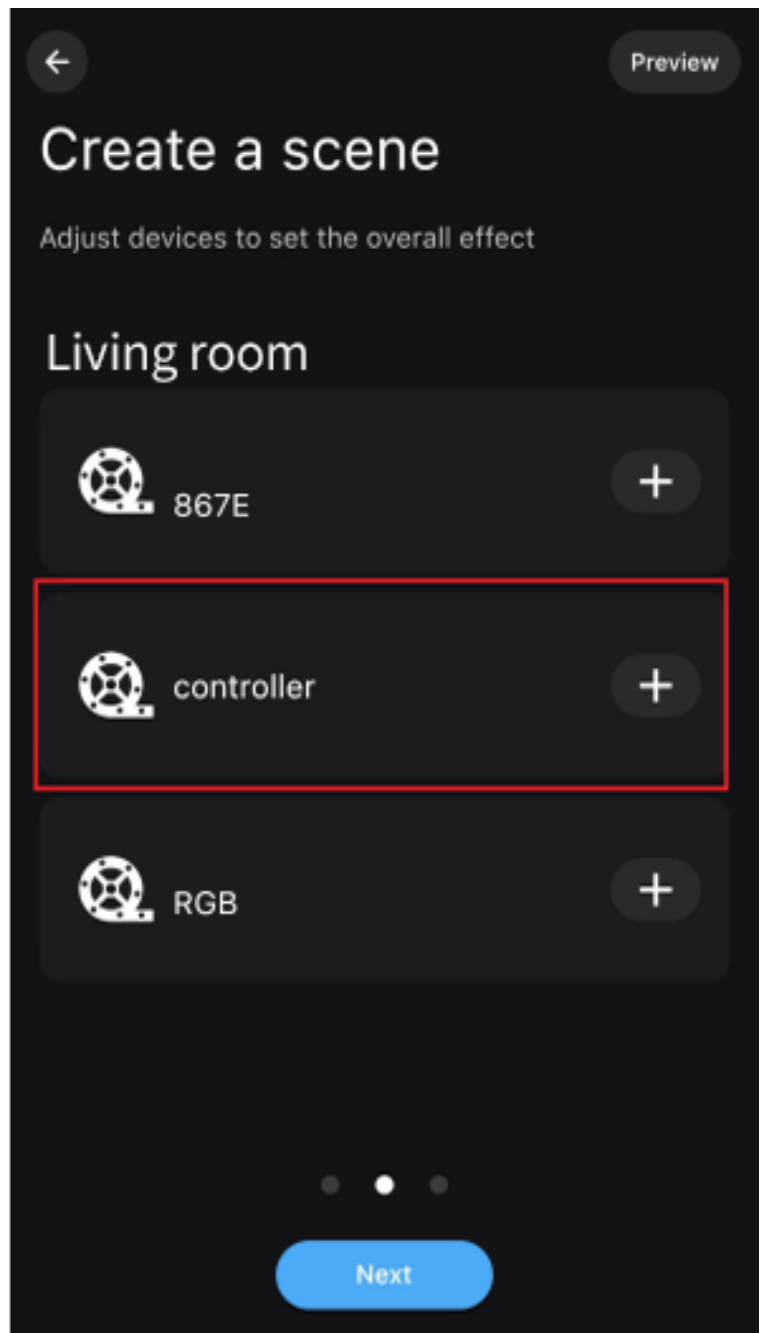
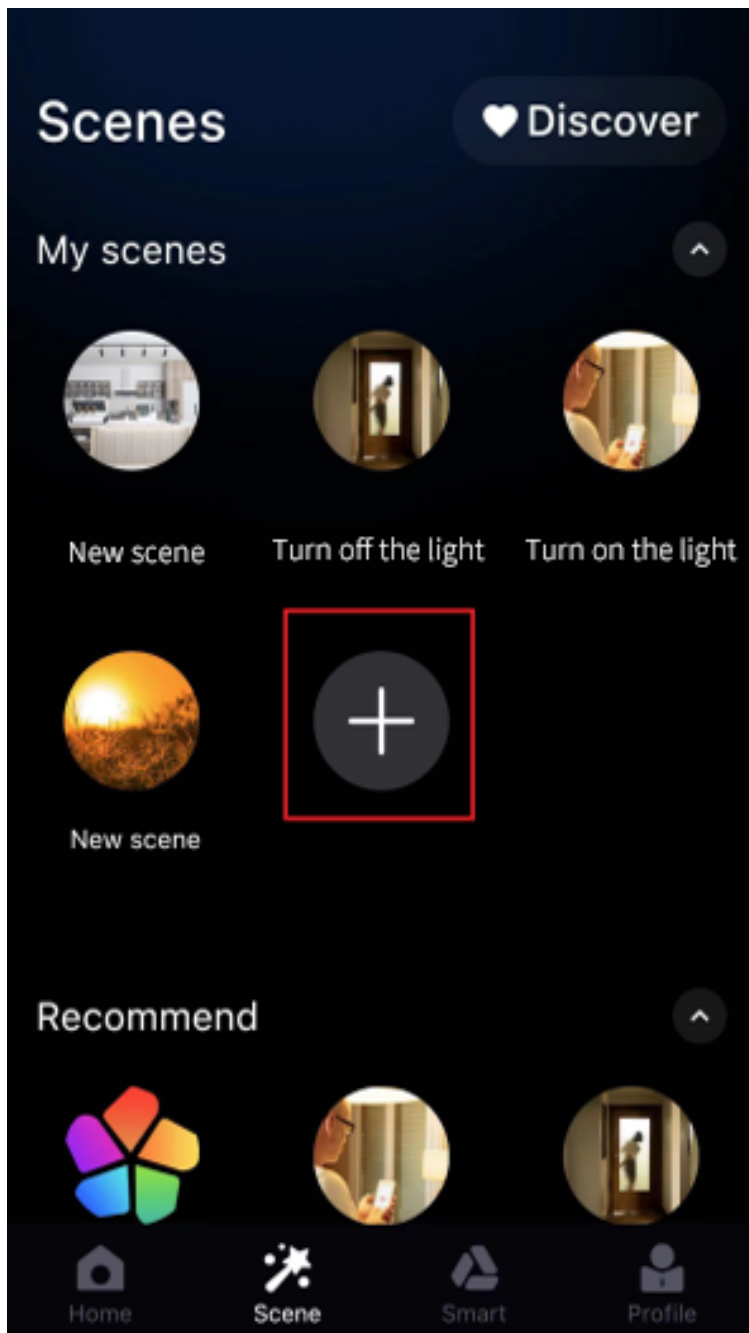
- ①The grouped light strips synchronized Linkage
- ②The grouped light strips change sequentially

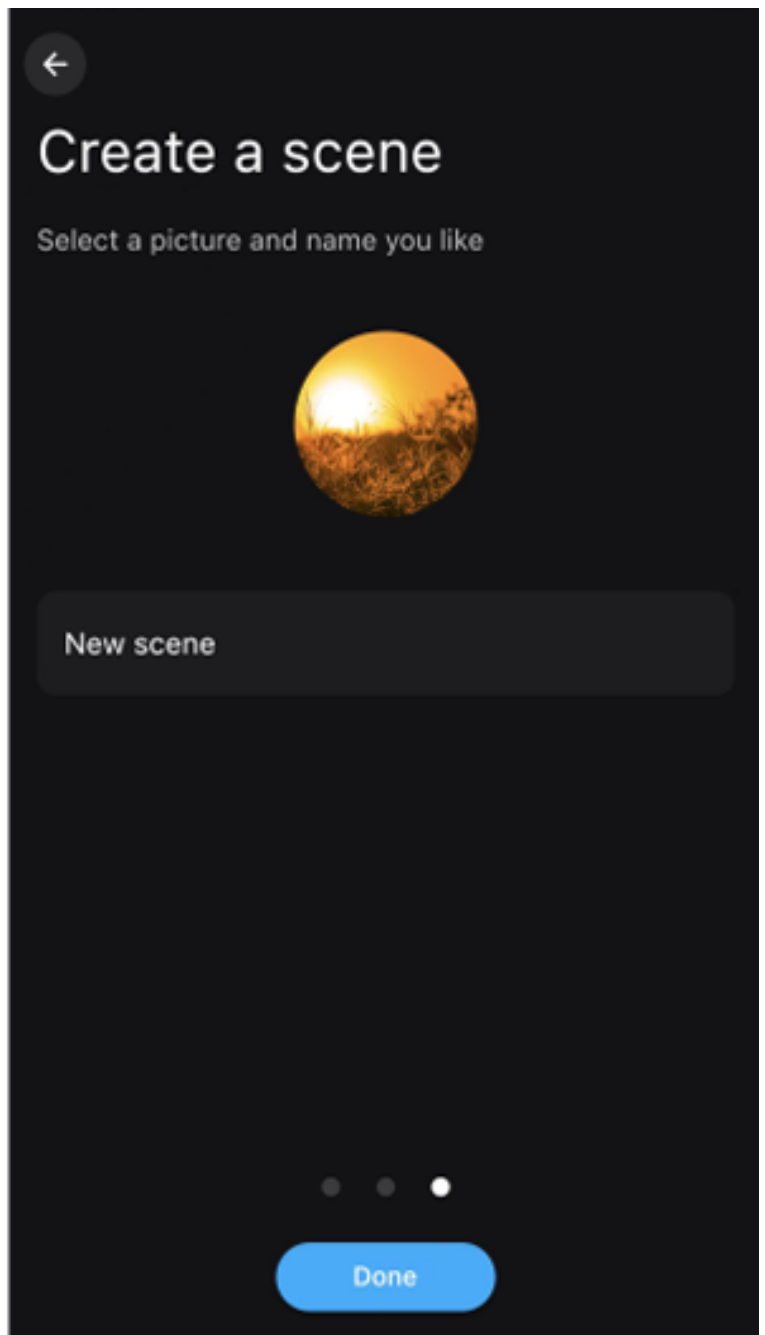
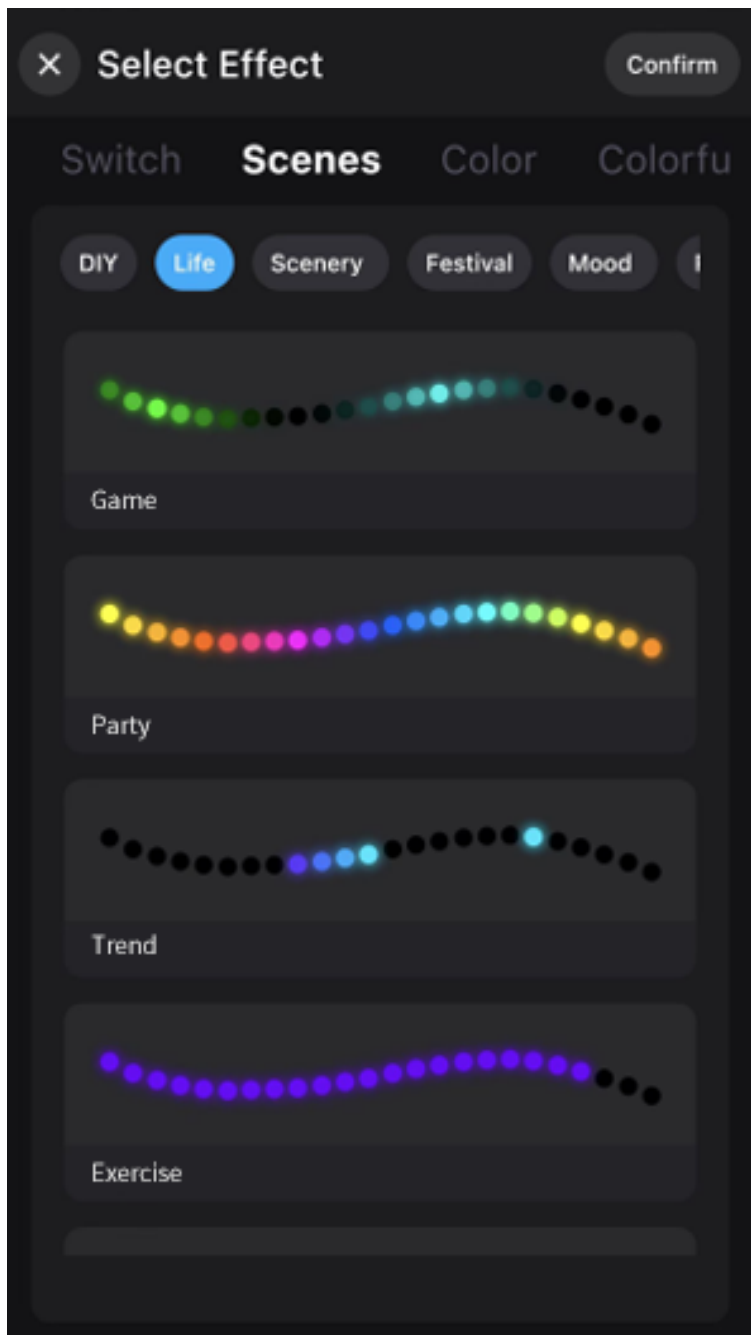


9)Siri Shortcuts-IOS

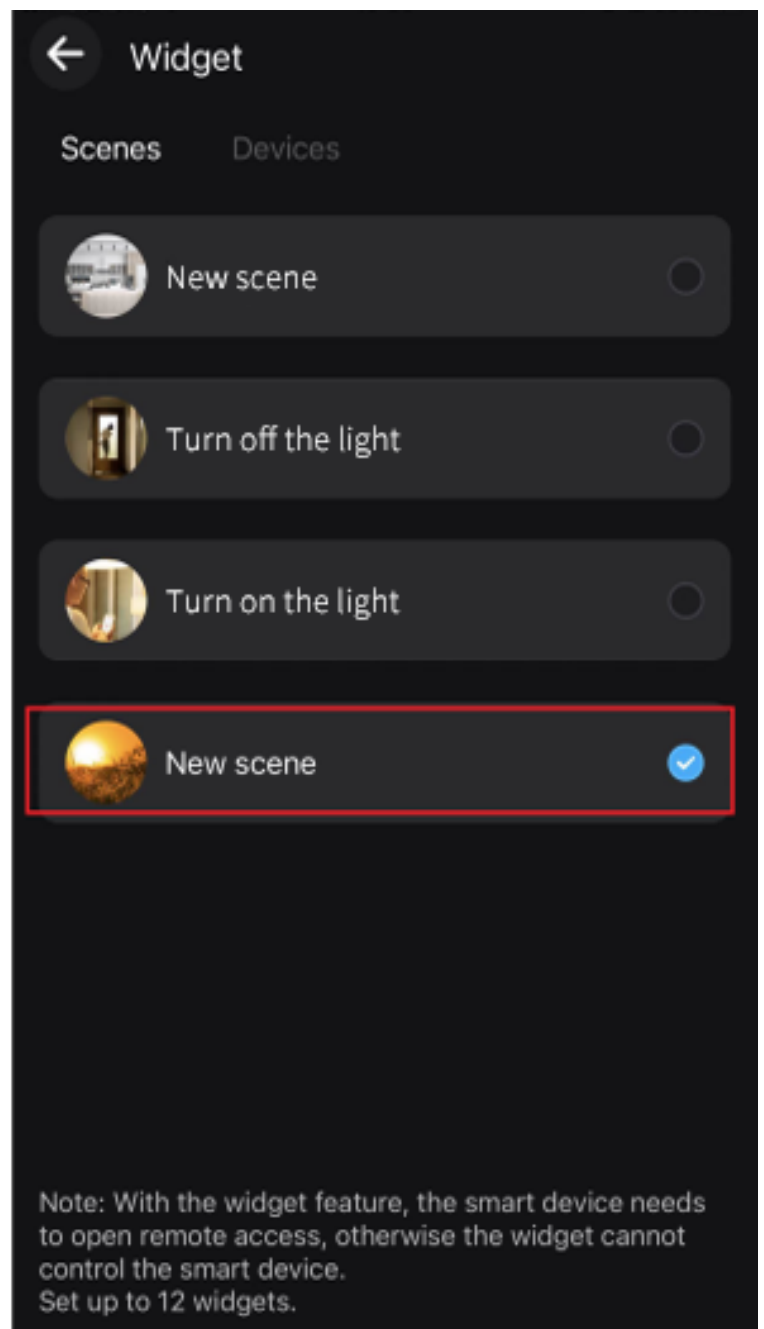
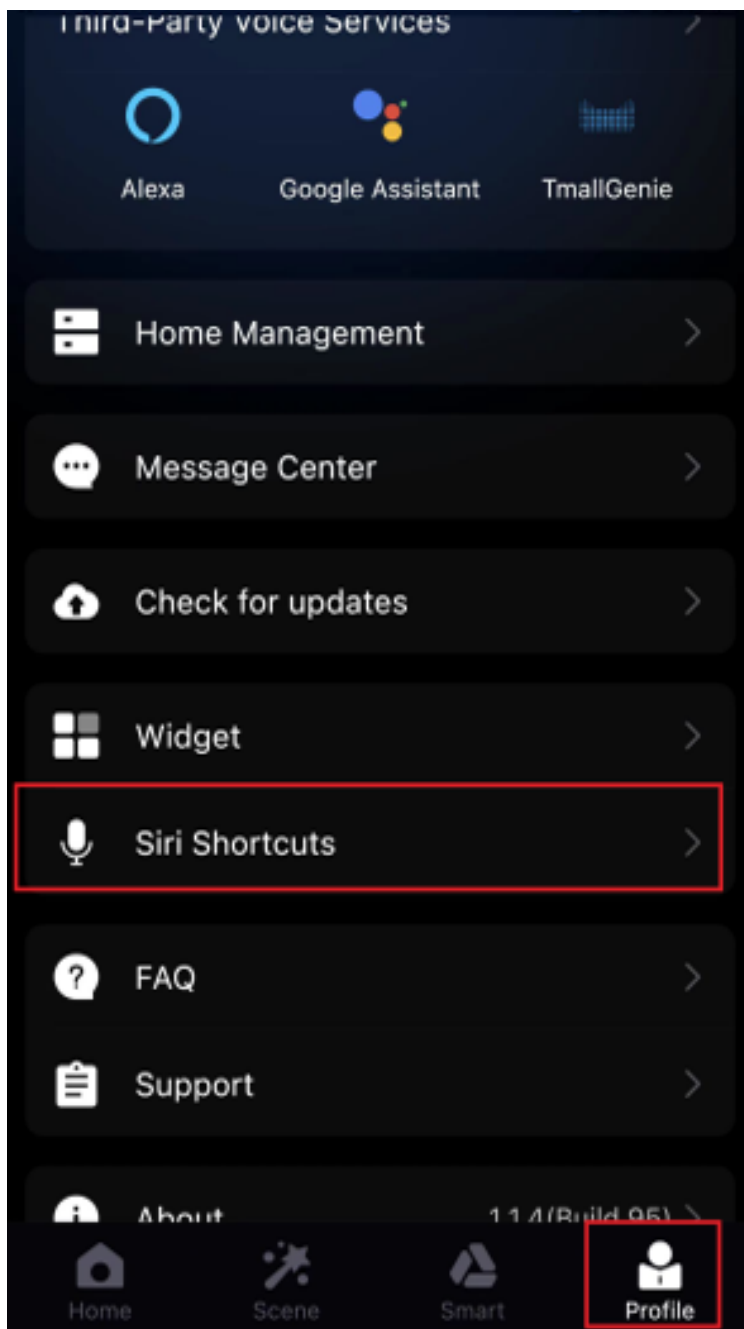
Note:

- 1.Siri only can control the scene.
- 2.IOS 12.0 and above systems have their own shortcut function.
- 3.Pls make sure your device is "Cloud Online".





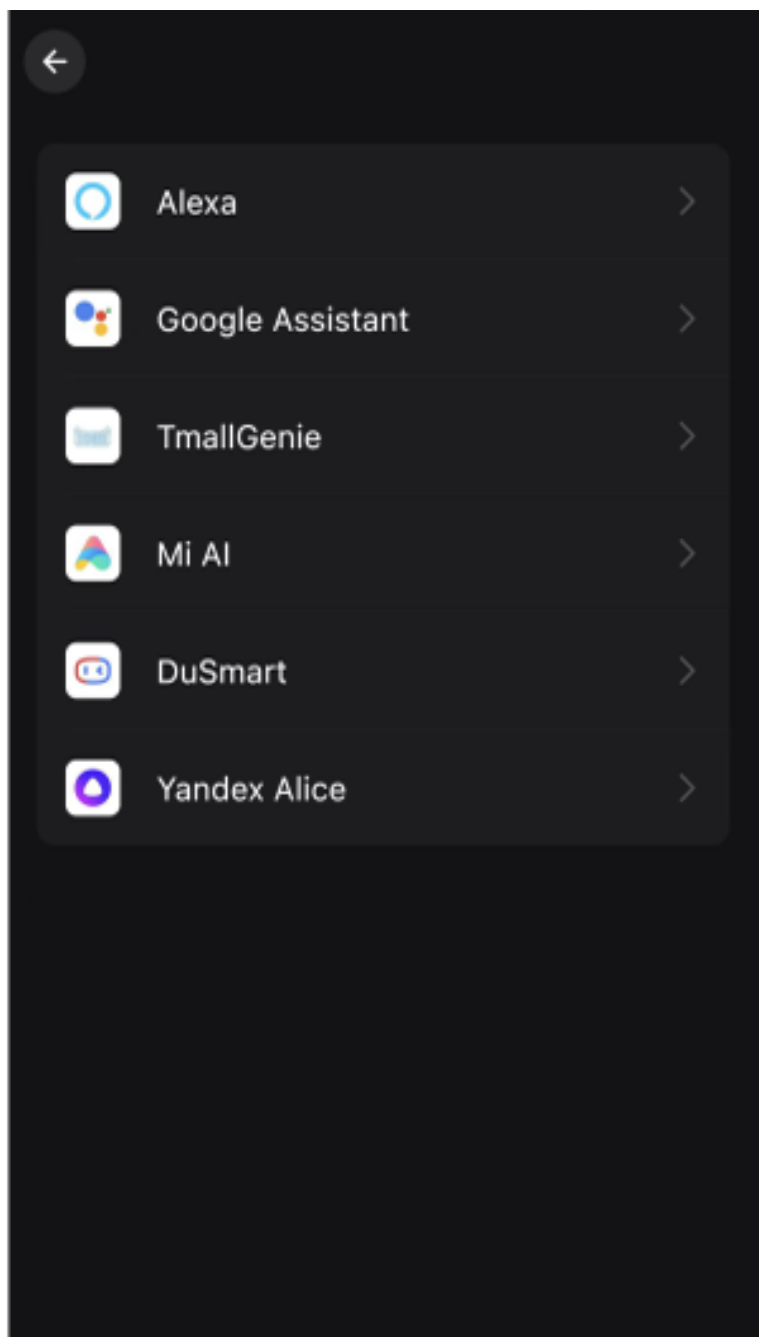
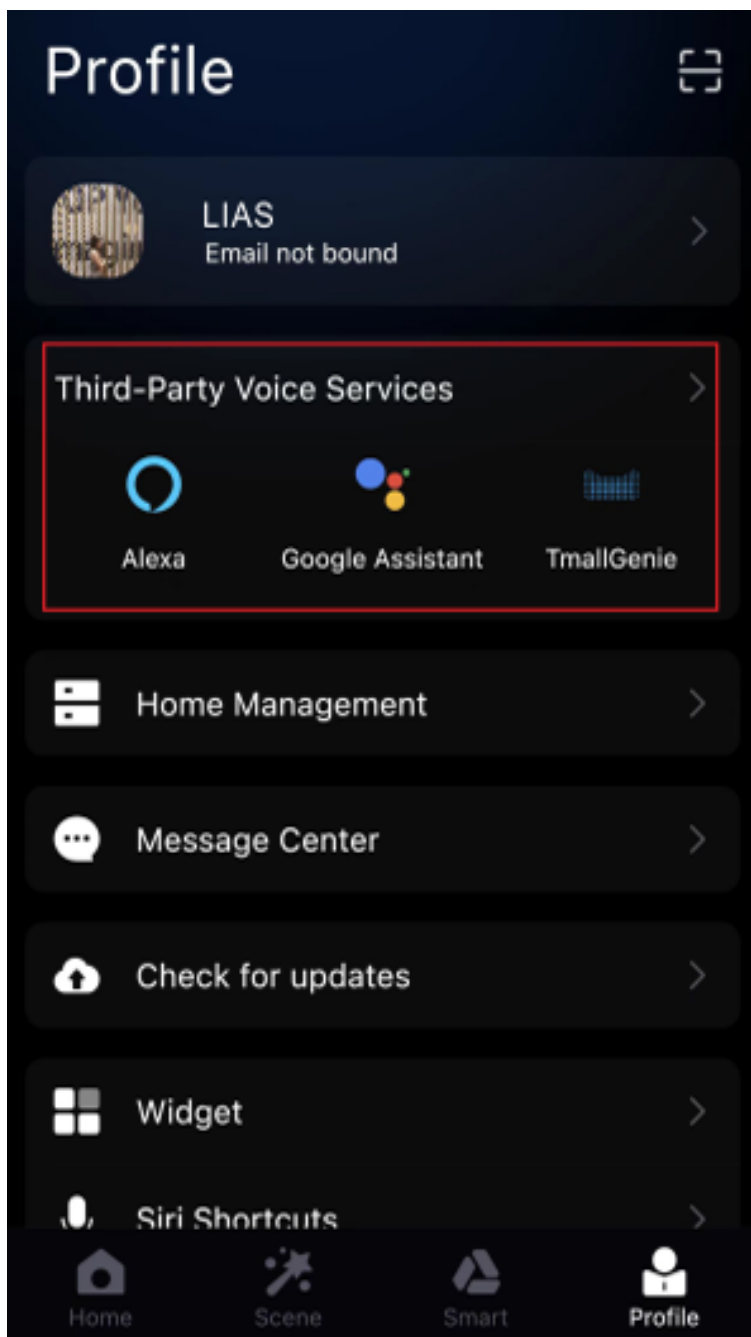
3. Enter the page "Profile" > Tap "Siri Shortcuts" > Add the scene to here.



4.Ask Siri: Turn on the {Scene Name}

11) Third-party platform

You can choose the third-party voice service platform (Alexa, Google Home, Tmall Genie, etc.) and bind the platform according to the guidance. After the connection is successful, you can start the voice control, which is convenient and fast.



Attentions

- a) Please use the product in a dry environment.
- b) For input voltage, please use the DC voltage within the specified range as instructed in the manual, must not connect into 220V AC directly.
- c) The product is requested common anode connection. The wrong connection will cause a malfunction.