

USER INSTRUCTION

Smart Permanent Outdoor Light

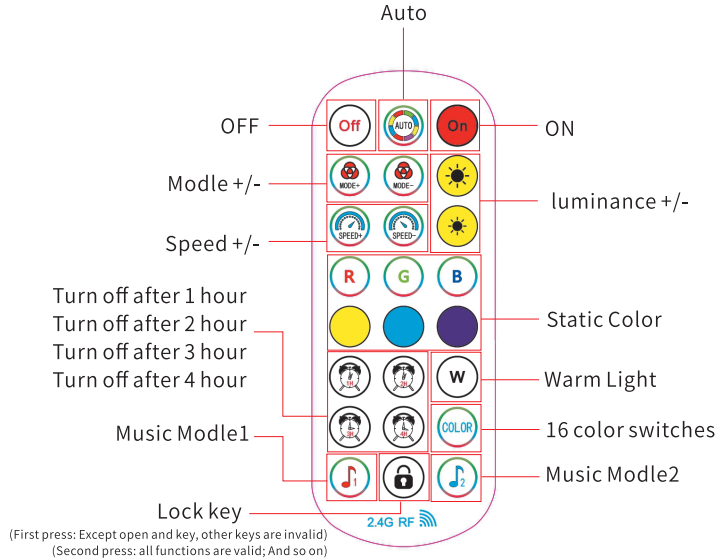


I .Product Parameter:

Category	LED Controller
Domination Principle	BLE
APP	Surplife
Operation Platform	Android 7.0/IOS 12.0 or later
Input Voltage	□ 24V□ 36V□ 48V
Supported Driver IC	SPI:RGB,RGBW,SM16703P, WS2812E,UC1903B,ASL140140,IC2811F, TM1814,WS2815B,WS2812B,SM16703, SM16704,WS2811,UCS1903,SK6812, INK1003,UCS2904B,
Signal Output	Support one-wire driver IC, able to control up to 2048 pixels
Working Temperature	-20~+55°C
Control Distance	Visible distance 30M
ation	CE, RoHS, FCC



2. Remote control (the following remote control is optional)



3.Download APP

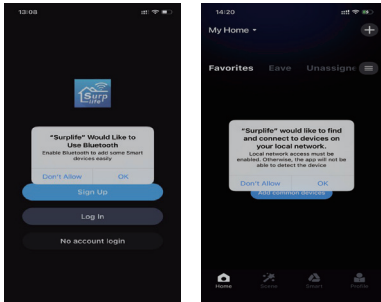
The Surplife app can be downloaded from the App Store or Google PLAY Store, or you can sign in by scanning the code.



4.How to use APP

1)Please authorise the APP to connect to Bluetooth and Local Network

access (click “OK”), and turn on bluetooth on your smart phone

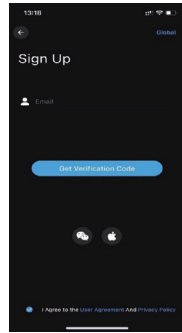


2)Log in

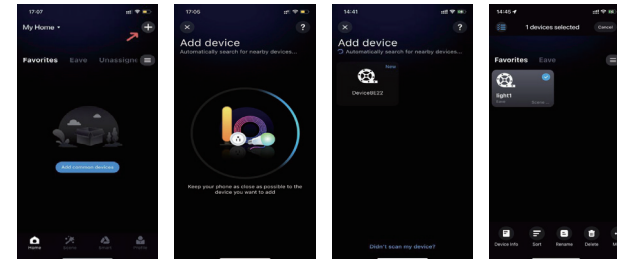
Enter your email and newly created password to log in.

a.For new users, please create an account first using the email verification code. Note: Please select the appropriate server.

b. After setting your password, you can login.



3)Search and Add Device



Trouble Shooting

1)APP can not find the device.

Update APP to newest version.

Make sure the phone bluetooth is on.

Allow the permissions of APP. APP needs them to connect.

Unplugging and reconnecting the power supply.

Close the APP, restart Bluetooth, then start APP to add device again.

Ensure phone within 4ft from product when connecting.

Your phone may be incompatible with the APP, try another phone.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

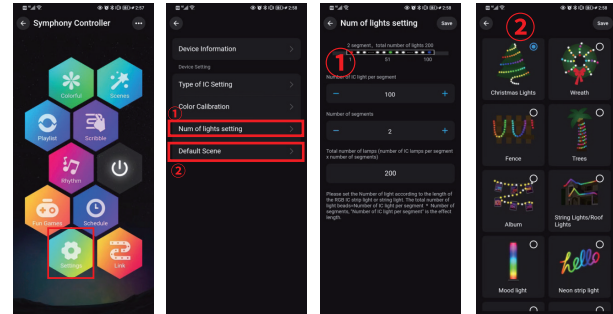
RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

1.About Settings:

1) In the setting interface, you can set the IC model, color calibration, number of points(Total number of points can not exceed 500 in each segment and total LED chips quantity can not exceed 2048)

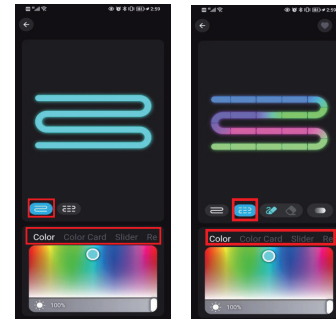
2)The setting of IC number is applied to the scribble function



2.Detailed introduction of APP functions:

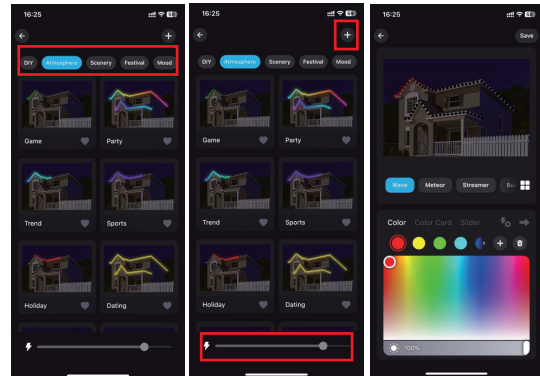
A) Multi color function

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.



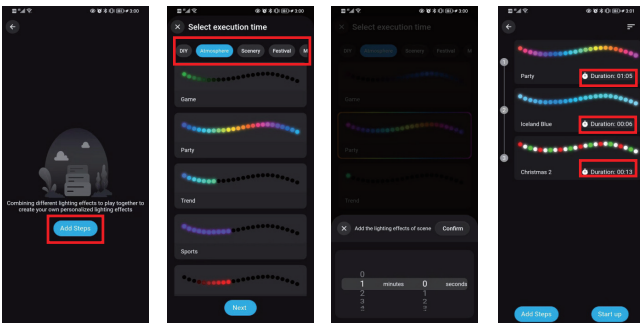
B) Scene settings

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



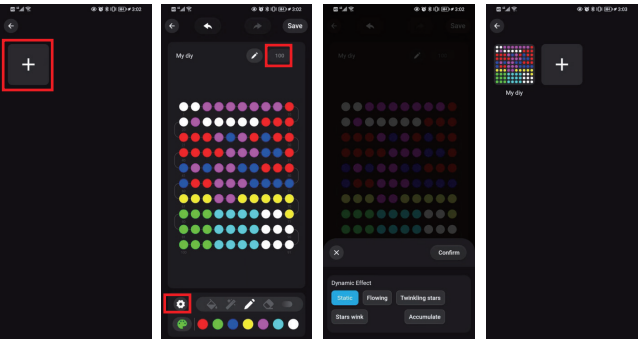
C) Playlist mode

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.



D) Smear function

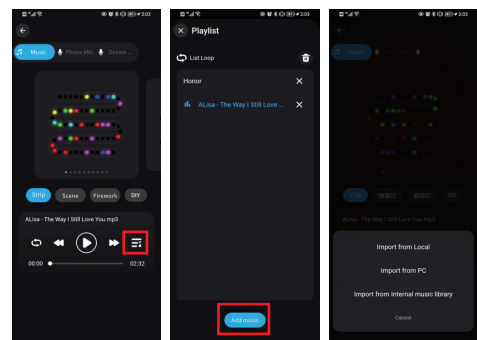
Click the plus sign to customize the light color and dynamic effect, and click Save after setting. (Make sure that the number of lights is consistent with the equipment before DIY, otherwise the lighting effect is incomplete, please edit the number of IC lights in the "Setting" function)



E). Music Mode

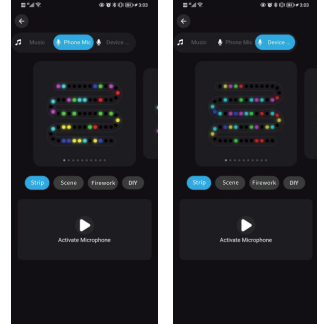
1. Synchronization function of lighting and music rhythm.

Click "Add Music" > Import a music file or import it from the built-in music library. Note: IOS system needs to download music files to iTunes or import music from PC according to the instructions, Android system needs to download music files to mobile phone to use.



2. MIC

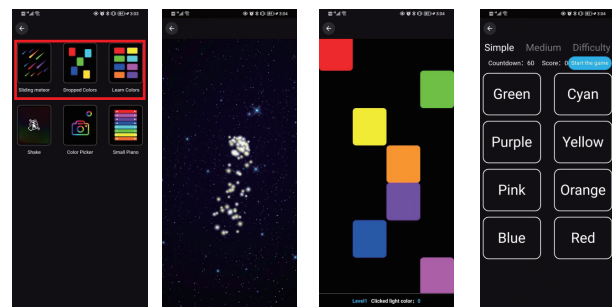
The lights color will change with the sound rhythm when your phone microphone catches the sound. The microphone sensitivity can be adjusted by the slider. There are two ways to input the audio signal on the controller, built in APP microphone and external microphone (For sound control version).



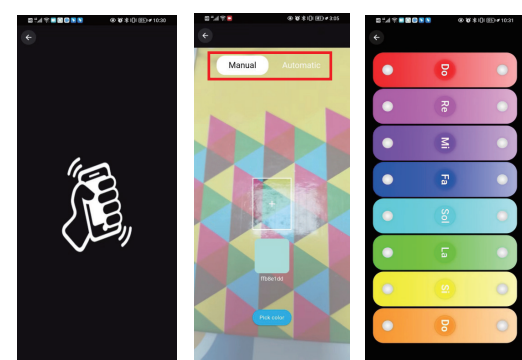
F). Fun game

There are 6 fun games to play (sliding meteors, falling colors, recognizing colors, shaking, color picker, baby piano)

- a) Sliding meteor: You can draw different meteors on the screen at will, and the light changes with the meteors.
- b) Dropped colors: look at the light to choose the color, according to the color of the light, click the falling color block.
- c) Learn colors: look at the light to select the text, observe the color of the light, click the corresponding text.

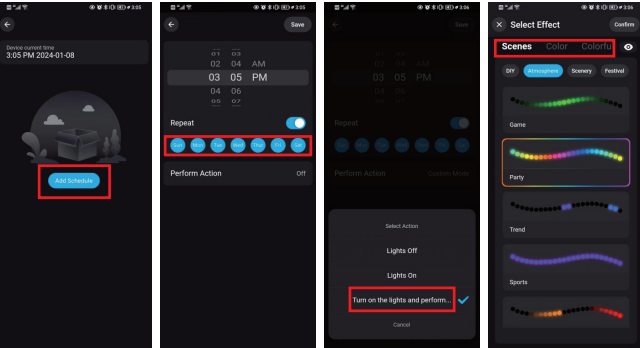


- e) Shake: The light changes with the shaking of the phone.
- f) Color picker: the light follows the color captured by the mobile phone to take color changes, you can take color manually or automatically.
- g) Small piano: The lighting changes with the rhythm of the piano.



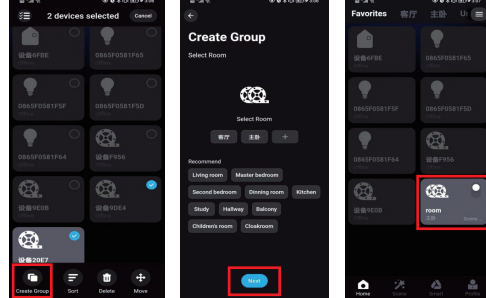
G) Light timer

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



H) Group Control

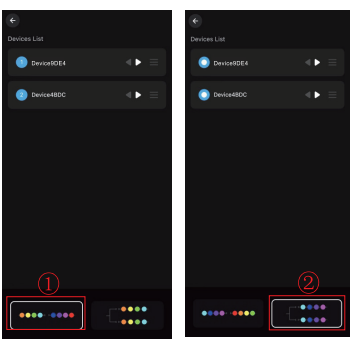
This mode allows you to create different groups to control more than one controllers at the same time.



I). 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.

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



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.

9.1:

- a) The statement "Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate."
- b) The statement "Even used batteries may cause severe injury or death."
- c) The statement "Call a local poison control center for treatment information."
- d) A statement indicating the compatible battery type (e.g., LR44, CR2032).
- e) A statement indicating the nominal battery voltage.
- f) The statement "Non-rechargeable batteries are not to be recharged."
- g) The statement "Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns."

9.2:

- a) The statement "Ensure the batteries are installed correctly according to polarity(+ and -)."
- b) The statement "Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries."
- c) The statement "Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations."
- d) The statement "Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children."

