

USER INSTRUCTION

Bluetooth Music IR 44 Keys SPI Controller



1. Product features:

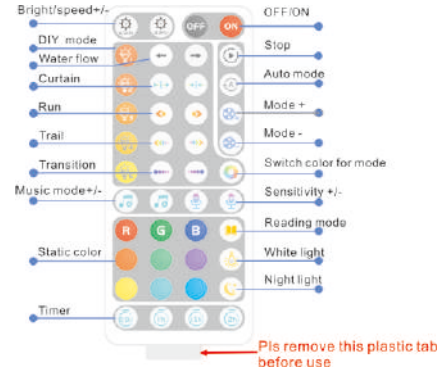
- **Easy operation:** open device, app and phone bluetooth, click scan device, device will be connected to the app automatically.
- **Music control:** Lights will dance with the rhythm of music changes
- **Remote control:** IR 44 keys remote contain: music mode, dynamic mode, static mode, DIY mode, Timer, Brightness/speed/sensitivity adjustment function etc.
- **Muilti-function app:** "symphony light" contain: Adjust / Mode / Mic / Music / Schedule interface.

2. Technical Parameters:

Model No. : OP-BL-H1
 Input voltage: DC5V-24V
 Working temperature: -30~70 °C
 Output : SPI Signal
 Bluetooth: BLE V5.2
 App: Symphony light
 Output Current: <6A
 Effects model: 117 kinds
 Maximum control points: App: 300pcs / Remote: 479pcs
 Controller size: L60 X W30 X H15 mm
 Remote size: L122XW53*H7mm (CR2025 battery)
 Net weight: 47g Gross weight: 54g
 SPI Strip Type: UCS1903.WS2812 etc

3. Remote & receiver instruction:

Remote:



(1) Modify pin sequence by remote

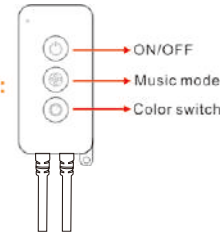
Short press "OFF" button-->long press "OFF" button-->then the output light bar will show pin's color sequence, --> press the "Switch Color" button--> modify pin's color sequence as below picture : --> short press "Off" button to save the setting.



(2) Adjust total pixels by remote

Short press "OFF" button-->long press "OFF" button-->then the output light will show ic quantity status, --> press the "Bright/speed +/-" button to increase or decrease pixels' quantity : --> short press "Off" button to save the setting.

Receiver:



4. Configuring App and smart device:

(1) Controller installation

- ① Connecting controller and output led light first.
- ② Connecting input power supply, to ensure no short circuit between the cables before power on, supply voltage is DC5-24V, do not input on other voltage.

(2) APP download & add bluetooth device

- ① Scan QR Code to download App via mobile phone. Other methods to download APP:
 iOS system: search "Symphony light" in APP Store.
 Android system: search "Symphony light" in Google play.
- ② Open your phone bluetooth function.
- ③ Click " " at the top left right side--> click "Scanning device" to add device.

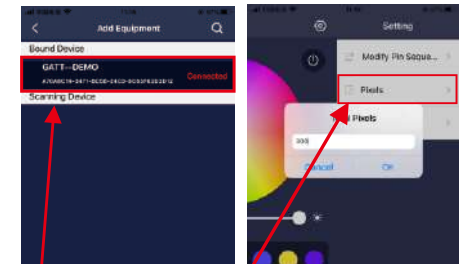


5. APP Instruction:

App have several interface of "Adjust" "Mode" "Mic" "Music" "Schedule" to control the lights.

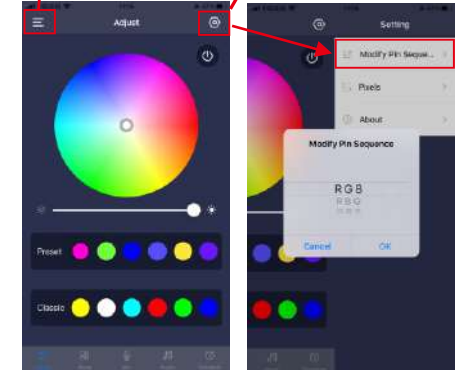
(1) "Adjust" interface

- 1: Touch the color ring to select any color can adjust the "Brightness" of light from 1%~100%;
- 2: Click the "setting" button at the top right corner can modify output pin sequence and adjust the output pixel's quantity.



Add device

Adjust total pixels

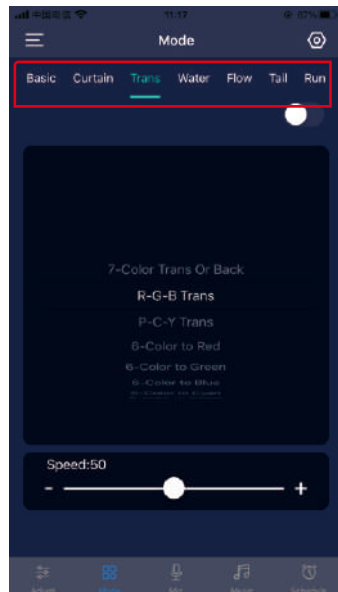


Adjust interface

Modify pin sequence

(2) "Mode" interface

Mode interface is divided into 7 kinds of major mode categories--Basic, Curtain, Trans, Water, Flow, Tail, Run, there are 117 modes in total.

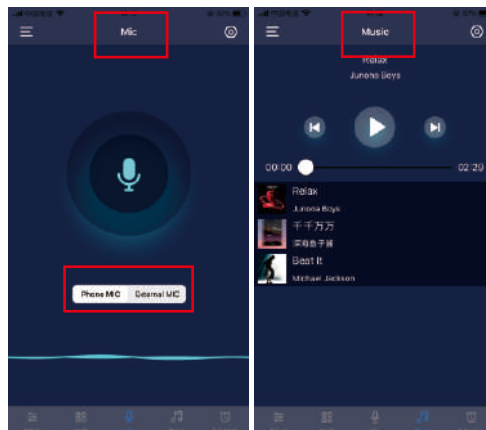


(3) "Mic" and "Music" interfaces

1. "Mic" mode have 2 kinds of music play way:
 a: Identify music by phone MIC to play music mode ;
 b: Identify music by External MIC on controller to play music mode;

2: "Music" mode is play music by app;

3: When you play any music, light will sync to music;

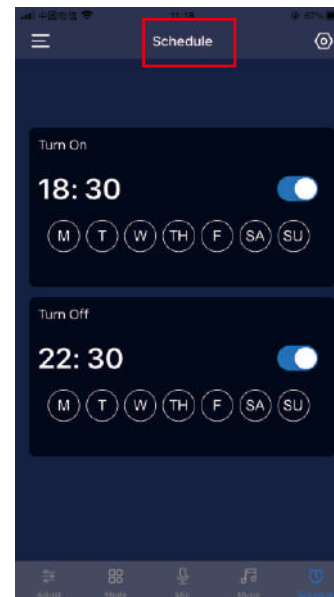


"MIC" interface

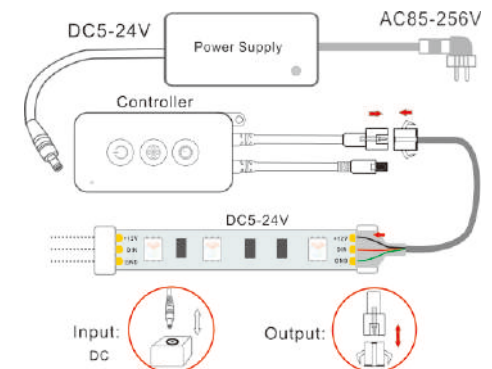
"Music" interface

(4) "Schedule" interface:

Can set the Turn ON/Turn OFF status of the light according to the actual required timing.



6. Connection diagram



7. 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, ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- (3). Please do not overload, the total max output current is 6A.
- (4). This product is non-waterproof. Please avoid the sun and rain. When installed outdoors please ensure it is mounted in a water proof enclosure.
- (5). Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.