140.00 mm

210.00 mm

User Manual

Sphere M031 LED Aquarium Light

Wifi · App Store · Google play · Windows

Features:

High efficient Cree/Osram LEDs

6 channels Wi-Fi control

Self-developed dimming technology

Support Bracket mounting and hanging kits(Both are included)

Support the control via iOS, Android and Windows systems

Intelligent temperature control fans with low noise and long life span

Up to 24 programmable time period, perfect simulation effect of sunrise and sunset

A swanky spherical form, with professional glossy finish and great colored accents

Wirelessly controllable through the software and support multiple units control

21 high efficiency 3w/5w diodes which are grouped together behind a custom lens

Specification:

Model	M031	Dimension	Φ120mm
LEDs Quantity	21pcs	Suitable for	30~60cm tank
Single LED wattage	3W/5W	Shell material	E-Plastic
LED wattage	80W	Shell color	Black
Input voltage	AC100-240V	Working frequency	50/60Hz

WiFi control 6 Channels:

Channel A : White

Channel B : Royal blue
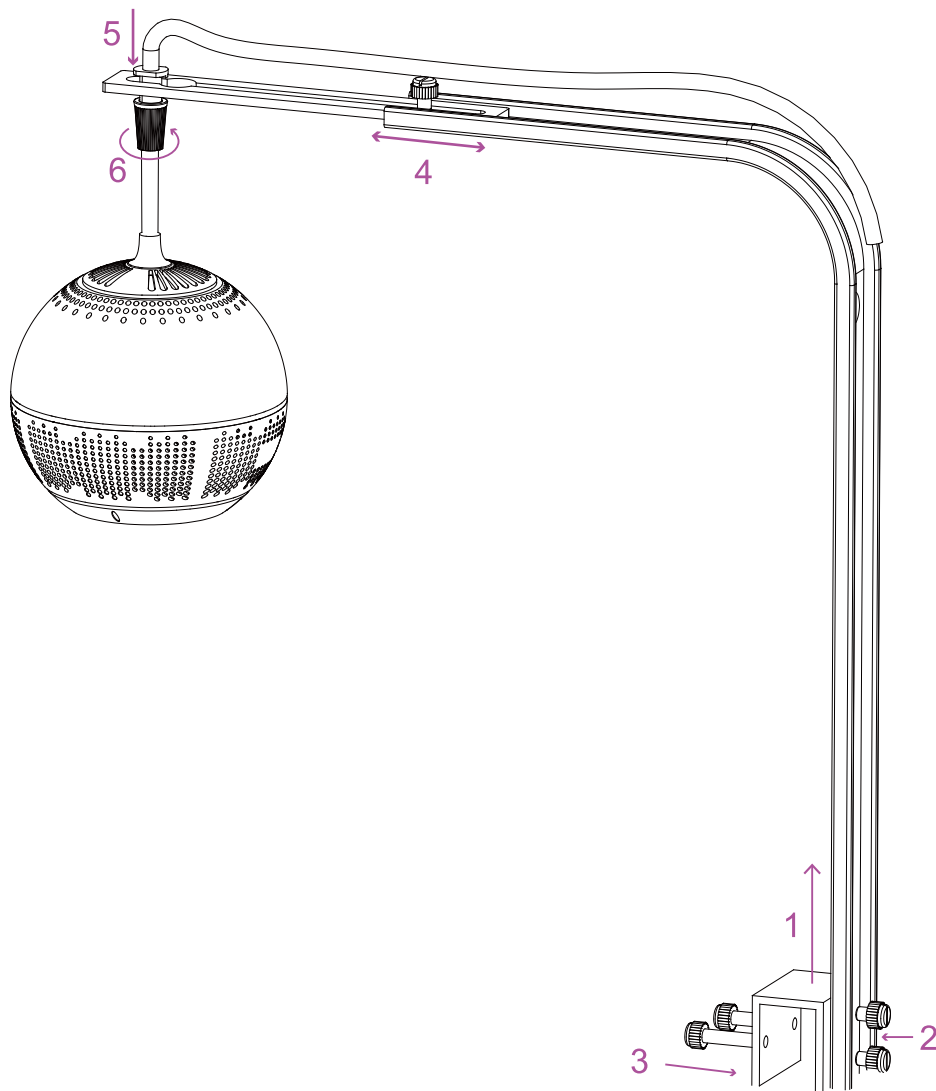
Channel C : Blue

Channel D : Purple + Violet

Channel E : Red

Channel F : Green

Lamp Installation Guide:

The lamp provides two installation methods for your choice:

Bracket mounting and lifting wire mounting, please select the correct installation method

according to actual application environment.

Lamp Operation Instructions:

1. Download APP software

The lamp can be controller by Cellphone APP, Please download the APP before usage.

(Android)   (ISO)

a). Use your phone to scan the QR code on the right side to download directly.

b). For IOS system, you can enter App Store to search "Spectra LED"

and download the software;

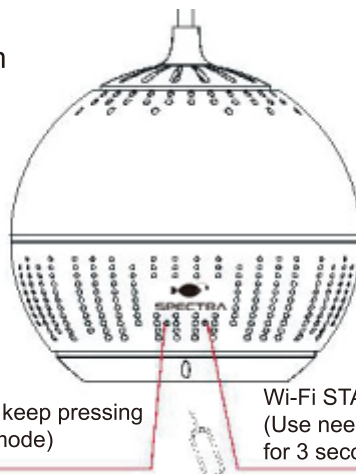For Android system, you can enter Google Play Store to search "Spectra LED"

and download the software.

2. Select WiFi Model

The Wi-Fi of this lamp supports two kinds of connection modes:Wi-Fi Hotspot and Access Network

and you can select according tothe actual situation. The factory default is Wi-Fi AP mode.

Operation Diagram

Wi-Fi AP mode switch hole
(Use needle to poke it and keep pressing
for 3 seconds to be in AP mode)

Wi-Fi STA mode switch hole
(Use needle to poke it and keep pressing
for 3 seconds to be in STA mode)

Wi-Fi AP Mode: The lamp itself will send out Spectra-XXXX Wi-Fi signal (for the Wi-Fi name, please see the label on the lamp body), and your cellphone can be directly connected to this Wi-Fi signal so as to control the lamp. This mode is applicable to independent control of single lamp.
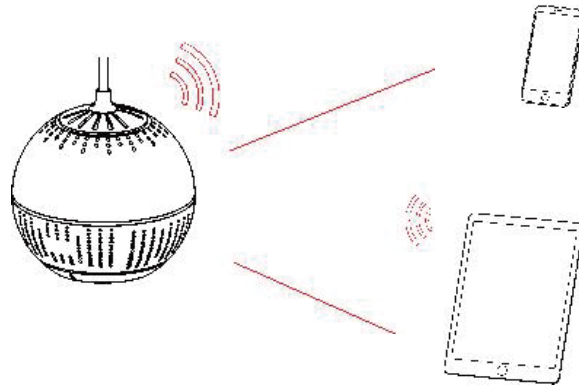
Wi-Fi STA Mode: Acting as terminal device, the lamp is connected to the home router, which is in the same network like the cellphone, and you can use the cellphone to control the lamp. This mode is applicable to synchronous control of multiple lamps.
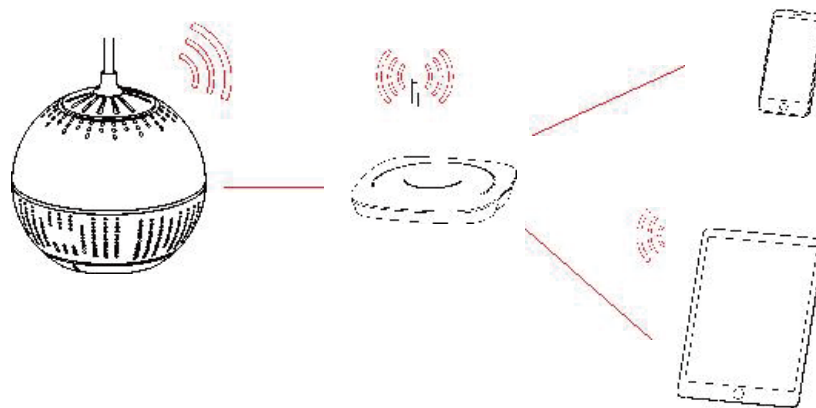
3. Configuration of lamps Wi-Fi

a). The AP to set Wi-Fi hotspot mode:

Use the needle to poke AP Wi-Fi mode switch hole and keep pressing for 3 seconds. Stop pressing after heard "beep" sound, the lamp will restart after this sound and then the green indicator light on the shell will be on and the red light will stops Blinking,it means the configuration of Wi-Fi AP mode has been done.

b).The steps to set STA mode:

Use the needle to poke STA Wi-Fi mode switch hole and keep pressing for 3 seconds. Stop pressing after heard "beep" sound twice, the lamp will restart after this sound and then the green indicator light on the shell will be on and the red light will Blink twice and then be out circularly, It means the configuration of STA Wi-Fi mode has been done

In order to control multiple units by STA Wi-Fi mode, we still need to use home Wi-Fi router. The steps are as below:
Open the APP in your phone, click "Set Wi-Fi" option, type down accounting and password of home Wi-Fi router, click "Start Connect", waiting for around 1 minute, if the indicator red light is blinking irregularly which mean the configuration of Wi-Fi STA mode has been done.

**c). The way to control multiple lights at the same time:**

To use multiple units control together function, please refer to "The steps to set STA mode" to connect each unit to the same home Wi-Fi router.Please refer to "The steps to use phone to control the lights"seek out all the lamps within Wi-Fi signal coverage and then control them all.

4. Connect Lamp Via Cellphone

When the lamp is in Wi-Fi AP Mode, please connect the cellphone Wi-Fi to the lamp Wi-Fi (Wi-Fi name: Spectra-XXXX, initial password:12345678, default IP: 192.168.0.99); when the amp is in Wi-Fi STA Mode, please connect the cellphone Wi-Fi to the home router. After confirming the cellphone Wi-Fi is successfully connected, open the cellphone APP, and click "Search Devices" on "Connect" interface, APP will search the lamp IP address automatically, select the lamp to be controlled and click "Connect" to enter control interface.

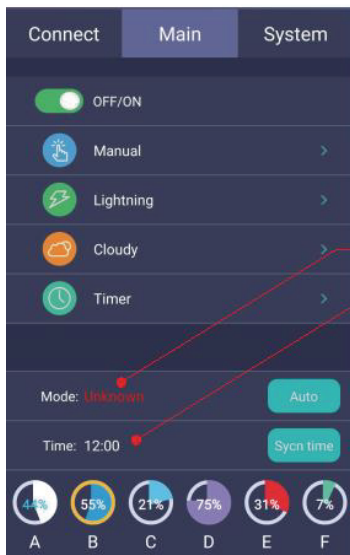## APP Operation Instructions:

Homepage Interface
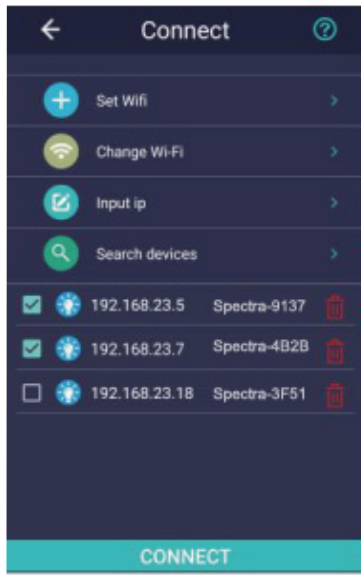
① Click "Search devices"

② Check the lamp to be controlled

③ Click "Connect" to enter control interface

Lamp current running mode

Lamp current time

When switch the lamp to auto mode, the lamp will run according to timing settings

If the lamp time is inconsistent with that of the cellphone, press here to synchronize

Lamp current brightness

Manual Function

③ Spectrogram calculated based on the brightness
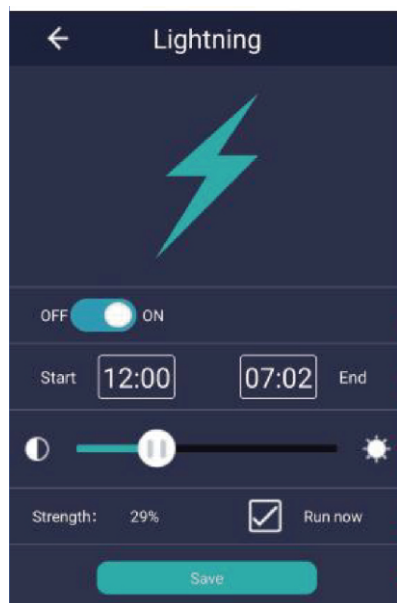
① Click the color to be adjusted

② Drag the slider to change the brightness

If you want the lamp to be always in Manual Mode, please click here

Flash and Cloud Function

Open or close Flash/Cloud automatic running function

① Set automatic running time

② Adjust the intensity of the flash

After checking here, you can immediately see the effects

③ Save the data to the lamp

Timing Function

Variation Curve of Brightness

① Add/Delete time point

④ Save the data to the lamp after configuration

There are some preset timing data

⑤ Drag the slider to preview the timing effect

② The time can be modified via long press

③ Click to enter brightness modification interface

Special Note: After setting up the timing data, you need to click "Save" button to save the data to the lamp

The spectrum of the current

The corresponding time of the current brightness, the previous time and the next time

Review current light intensity

Switch to the next time
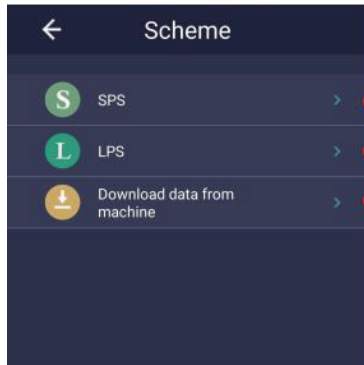
SPS preliminary data

LPS preliminary data

Download data from machine

System

Restore factory default of the light timing date, lightning date and cloud date

APP operating instructions

Turn off or on the indicator light on the operation panel

The Meaning of Sound:	
Analysis of causes	Solution ways
Beep once	Running in AP mode
Beeps twice	Running in STA mode

Indicator light:

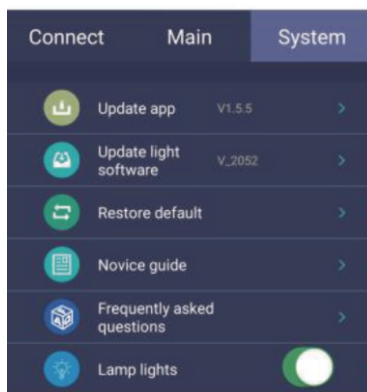| Indicator light		Model
Red Light	It will be on for 3 seconds and then be out	Lamp working in Wi-Fi AP mode
	Blinking twice, be out once	The llght is getting into STA mode
	Blinking three times and be out	Mistakes happen during getting into STA mode and it might be due to "wrong password" "the router has issues" or "the router is off"
	Blinking irregularly	Wi-Fi is transmitting data
	Be out	No Wi-Fi data transmission

Fault Analysis and Removal:

Fault Analysis	Analysis of causes	Solution ways
WiFi Siginal can not be found	Variation Curve of Brightness	Reconfigure it in hotspot mode
	Phone is too far away from the lamp or WLAN is not on	Check you phone and turn on WLAN
	The machine fault	Send to after-sales maintenance department
APP can not control lamps	Phone does not connected to the lamp WiFi	Re-connect lamps WiFi
	Network signal is not good or the reconnect the lamp in WiFi connection has been cut off APP	
	The machine fault	Send to after-sales maintenance department
Light does not work according to the timing setting	Timing data set is not saved successfully	Resetting data and save it
	The time from lamp has not been set correctly	Resetting time
	The machine fault	Send to after-sales maintenance department

Product Warranty:

1. The users can enjoy one-year free warranty(the external appearance is not covered within the warranty scope) or accessories replacement service since the purchase date.

2. The following situations are not covered within the warranty scope and only maintenance service is provided,but you need to pay for relevant charges:

(1)All damages ascribed to human factors,including use the device in abnormal operating environment,use it without following the instruction manual and the damage caused by improper preservation, etc.

(2)The damages caused by users' own disassembling and repairing, without our company's authorization.

(3)The damages caused by users' DIY the lamp panel, without following the instructions and DIY lamp panel operation instructions.

(4)The damages caused by users' own improper transportation or other force majeure factors after the purchase of the device.

(5)Normal wear, such as the deterioration of the consumption goods and components.

Tips:

*Please read this manual before using, and keep the instrution manual properly,our company is not responsible for any defective caused by improper use and maintenance.

*Please cut off the power before installation.

*Please do not use the accessories apart from this product that may cause personal injury and property loss.

*Please do not disassemble or assemble the product that may cause damage.

*The lamp is for indoor use only.

Maintenance Record:

Date	Fault Condition	Maintenance Method	Maintenance Result

Customer Name:

Contact Number

Email:

Customer Address:

Product series number:

Purchase Address: