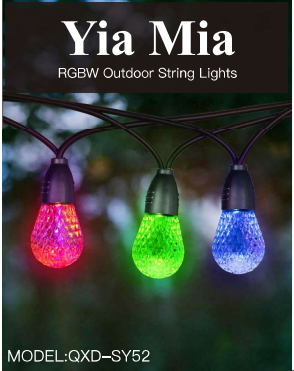


正面



MODEL:QXD-SY52

User Manual

Software overview

1.1 Overview

*The Magic Lantern is a mobile APP program that is compatible with Apple or Android system to control LED string lights.

*The APP control replaces traditional infrared, 433, 2.4G and others old remote control methods, which is convenient, fast, powerful and extendible.

*The color, brightness and color temperature of the LED string light can be intelligently controlled through the APP to display various flashing modes and the string light can jump with the rhythm of the music. Just open the [Intelligent APP] control software, APP can connect one or more LED string lights via Bluetooth to regulate various settings and control. The operation is very simple, easy to learn and use!

1.2 Function

*Adjust LED string light with 60,000 colors to change color and brightness. When light displays single color, you can only adjust brightness and color temperature.

*Playing mobile phone music or turning on an audio playback device can make the light change its color and brightness with the rhythm of the music, and the effect of light fluctuation is beautiful.

*Long-distance control without distance limitation, and group to group control mode.

*LED string lights will automatically connect to your Bluetooth next time once successful connected.

1.3 Performance

*Magic Lantern APP is easy for use as well as great compatible for all kinds of smart phones. The test verification of hundreds of mobile phones have proved that APP can be compatible with more than 95% of the mobile phones on the market. APP is small and convenient to use. It occupies less system resources, and has low requirements for configuration of mobile phone. Control delay is small, the operation feels good, the light control is very smooth with people's visual sense.

2. Operating environment

This APP requires mobile phone system is Android 4.3 and IOS 8.0 or higher. No limitation on configuration of mobile phone.

3. How to use

Note: The Android system and IOS system are basically the same for downloading and operating. Here, the Android system is used as an example for explanation.

3.1 APP download

Both IOS and Android systems can download the Magic Lantern by scanning the QR code.



After the software is successfully downloaded and installed, click APP to install. After the installation is complete, the following program icons will appear on the desktop:



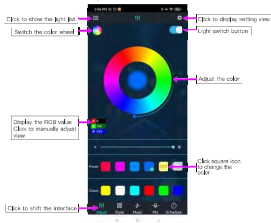
3.2 Software operation

① Click the Magic Lantern APP, enter the APP page:

② After entering the APP interface, if Bluetooth is not enabled, it will pop up Request. An application wants to turn on the Bluetooth function of this device again. Click [Allow].



③ Switch to color and brightness interface:



Click to show the light list
[Switch the color wheel]

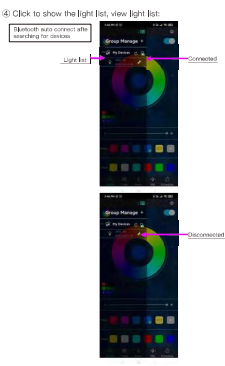
Click to display setting view
[Light switch button]

Adjust the color wheel

Display the HSB value
[Click to manually select color]

Click to switch the interface

④ Click to show the light list, view light list:



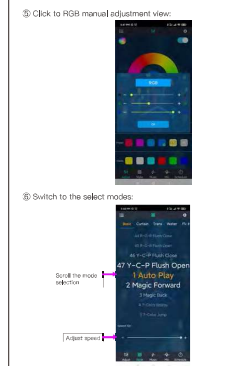
Light list

Group Manage +

Connected

Disconnected

⑤ Click to RGB manual adjustment view:

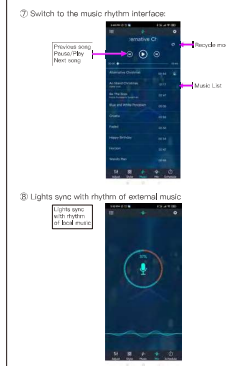


Switch to the select modes:

Scroll the mode selection

Adjust speed

⑦ Switch to the music rhythm interface:



Switch to the music rhythm interface

Music mode

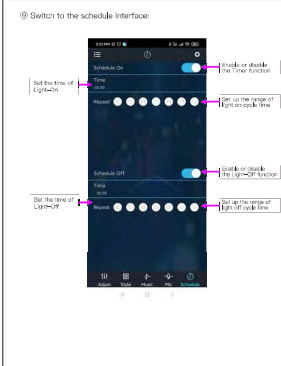
Music List

⑧ Lights sync with rhythm of external music



背面

⑥ Switch to the schedule interface:



Click to enable the timer function

Set the time of light-on

Click to enable the light-on function

Set the time of light-off

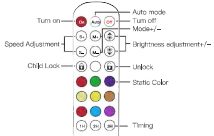
Click to enable the light-off function

1. Product Basic Parameters

NO.	Specifications	Parameters/Unit	Picture
1	Material	ABS+PMMA	
2	Dimension	15.5cmx10.5cm	
3	Lamp Height	7cm	
4	Color	Black	
5	Base Type	CPU	
6	Housing Material	PMMA	
7	Lens Material	PC	
8	Base Material	PC	
9	Base Dimension	15.5cmx10.5cm	
10	Output power	10W	
11	LED	LED 0.5W	
12	Lifetime	50,000hrs (at 25°C)	
13	IP Rating	IP65	
14	Color Temp	2700K-6500K	
15	Lumen	800lm	
16	Watt Temp	25°C±5K	
17	Wave Frequency	100-60Hz	
18	Storage Temp	-20°C~+70°C	
19	Storage Humidity	10%-90%	
20	Light Function Control	APP Control & Remote Control	

Instructions for Remote Control

Remote control function:



Turn on: [On] [Off] [Auto mode] [Turn off] [Mode+] [Brightness adjustments +/-]

Click: [Lock] [Unlock] [Static Color] [Timing]

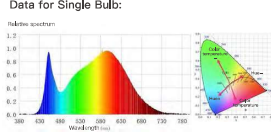
Caution:

1-Warranty: Do not use chemical liquid as volatile alcohol, gasoline or other corrosive liquids to clean the products, these will make damage to the product, thus affecting the lifetime of the product.

2-Warnings: (1) When using this product, please pay attention to high-voltage safety, make sure the AC is cut off when wiring. (2) Check all circuits after the product completely assembled, make sure there is nothing wiring with the circuit before connecting with power supplies. (3) Maintenance of lamps must be operated by professional technicians. Please don't disassemble it if you are not the professional technician. (4) If the product is used in a non-bright environment, it cannot be covered with any insulation material. (5) Long time exposure to sunlight or UV can cause the gum to discolor. (6) Please do not use it together with the materials containing sulfur. (7) Please do not use it in conditions of high moisture or oxidizing gas such as Cu, H₂S, NH₃, SO₂, NO₂, etc.

Spectrum

Data for Single Bulb:



Color Parameter:
Chromaticity Coordinates: X=0.2571, y=0.2505, u=0.1872, v=0.4105
Correlated Color Temperature: Cct=2530K/Chromatic Aberration (Duv)=-0.0043
Dominant Wavelength: 454.73nm Color Tint: Purify=33.3% Color Ratio: R=25.0% G=41.2% B=13.1%
Peak Wavelength: 454.73nm Color Tint: Purify=33.3% Color Ratio: R=25.0% G=41.2% B=13.1%
Half peak bandwidth: FWHM=18.4nm Color Rendering Index: Ra=94.3 CRI=90.7 Avg=28.6 R1=8 R2=43 R3=69 R4=31 R5=33 R6=41 R7=50 R8=40 R9=40 R10=40 R11=19 R12=47 R13=19 R14=77 R15=50
Photometric Parameters:
Luminous Flux: 864.1lm Light Effect: 122 lm/W
Radiant Flux: 0.201mW
Electrical Parameters:
Voltage: V=220V Current: I=0.04514 A Power: P=3.621
Power factor: PF=0.953
Green: OUT White Light Classification: OUT
Instrument Status: 1-14737ms (t=16000/248)

Customer Quality Assurance

The warranty period of this product is six months. During the warranty period, if it is not artificially damaged but the product does not work, we will replace it or refund it. Just contact us by Email, we will be here to serve you. We try our best to ensure that your products are of excellent quality and meet the highest standards. You can expect every product to have outstanding quality and durability.

Important: You may be asked to provide proof of purchase, such as a screenshot of the order number or order details. If you can attach a video or photo to describe the problem, we would appreciate it.

RGBW Outdoor String Lights

ATTENTIONS:

- Outdoor string lights must be powered under 24V.
- Remote control must be aligned to the infrared receiver.
- The RGBW String Lights must be connected correctly according



Manufacture: Shenzhen qiansunde Technology Co., Ltd
Address: Room 101 Building 3 Longji Industrial, No.27 Dafa Road, Bantian, Longgang District, Shenzhen, China

④ FC RoHS CE MADE IN CHINA

Federal Communications Commission Notice

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

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 & your body.