

Shenzhen Suntech Co.,Ltd

Material code:

Product model :  
MSL13

Version : V 2.0



# PRODUCT SPECIFICATION

Product name: Double-mode transparent five-star string light

Product model: MSL13 (5M)

Version: V2.0

Compile	Audit	Approve

The smart colorful light string can provide 16 million kinds of color light, 16 kinds of monochrome, 20 kinds of scenes, and 4 kinds of music modes.

The light string controller has a built-in high-sensitivity microphone, which can make the light of the light string change with the surrounding sound. Open your favorite song list, and the light will rhythm with the music, setting off a better atmosphere for the party.

The control methods of the light string are diverse and simple. The remote control can quickly adjust the lights, and you get what you want; the mobile APP can make more refined adjustments to the lights, and the buttons on the controller allow you to calmly deal with various unexpected situations. . The light string has a memory function. After turning it off and then turning it on again, the light string is still the last set light. With the timing function, the light string can be lit up at any time.

## 1. Product pictures



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**2.Product specifications**

Serial NO.	Characteristic	Parameter	Remarks
1	Color	RGB (16 million color light))	
2	Power supply	USB power supply (with USB adapters and power banks on the market)	
3	Input voltage	DC 5V	
4	Wifi standard	802.11 b/g/n	
5	Wifi frequency	2.4GHz	
6	Bluetooth standard	BLE 5.0 (compatible with BLE 4.2)	
7	Bluetooth frequency	2.4GHz	
8	RX sensitivity	-92dBm	
9	Encryption type	WEP/TKIP/AES Embedded hardware AES encryption	
10	Built-in Mic	Have	
11	Remote control	Infrared remote control 24 keys	
12	Light string waterproof rating	IP65	
13	Product certification	CE/ROHS/FCC	
14	Fixed way	Entangle	
15	Light string length	5M-25beads-(16.4 ft)	
16	Product weight	216g	Gross weight per box
17	Product packaging size	132*80*93mm	
18	Product carton size	490*420*300mm	
19	Product FCL Weight	5M about 12.5 KG (54 boxes per box)	Subject to final reality

### 3. Product function

#### 3.1 Function description

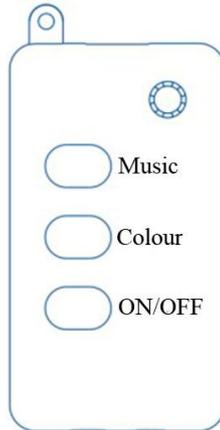
Serial NO.	Function	Description	Remarks
1	Infrared remote control	Through the remote control, you can control the on/off, color, scene, countdown, music mode and other states of the smart colorful light string.	
2	Mobile phone remote control	Through the mobile phone APP, you can remotely control the on/off, color, scene, music mode and other status of the smart colorful light string in the network environment.	
3	Manual control	You can control the on/off of the light string by clicking the corresponding button on the controller, switch the color of the light, and turn on/off the rhythm of the music.	
4	Music rhythm	The light string controller has a built-in high-sensitivity Mic, the light can freely change and dance with the surrounding music, and the music rhythm has 4 modes.	
5	Smart scene	Use the remote control or mobile app to select and switch the scene mode of the light string.	
6	Timing function	The remote control allows the light string to perform timing operations after a preset time; the mobile phone APP can arbitrarily set the number of minutes after which the light string performs timing operations.	
7	Group control	Multiple light strings can be created into a group to realize synchronous control.	
8	Online upgrade	When a new version of the APP comes out, you can upgrade it online in the APP to add more functions.	
9	Smart sharing	The device can be shared with friends on the mobile APP.	
10	Voice control	The light string supports third-party control such as Amazon Echo/Google Home.	

#### 3.2 Use environment

State	Temperature°C	Humidity R.H.
Work	-25~60°C	< 80%
Store	-40~80°C	< 80%

## 4.Button and remote control function definition

### Controller Buttons



Music: Corresponding to the remote control music mode

Press once to enter music mode 1

Press the second time to enter music mode 2

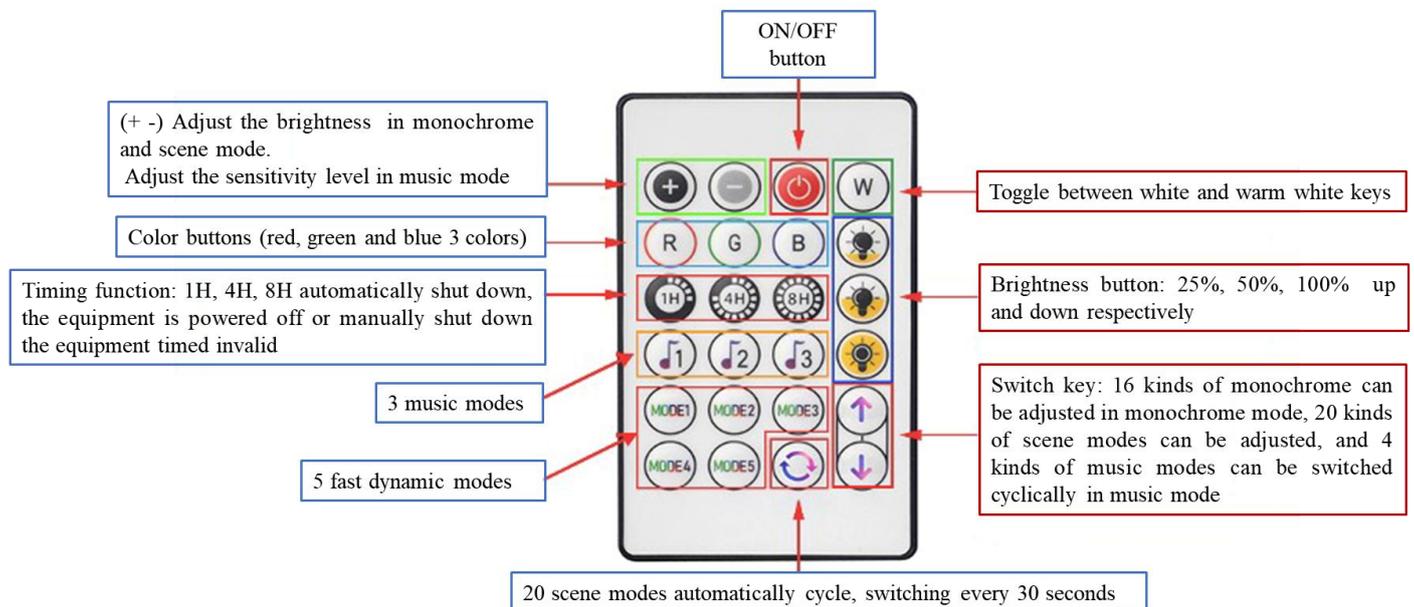
Press the third time to enter music mode 3

Press the fourth time to enter music mode 4

Press the fifth time to cycle to music mode 1

Colour: 20 dynamic modes

ON/OFF: Short press the switch. Long press for 5 seconds to enter the flash distribution network, and then press for 5 seconds to enter the slow flash distribution network.



## 5.Operation steps

### Distribution network operation

1. Turn on the phone's Bluetooth and connect the phone to the 2.4GHz Wi-Fi network.
2. Long press the switch button on the light string controller for 5 seconds, then the light string flashes quickly (2 times/sec).
3. Open and log in to the Smart Life APP, and click the add icon in the upper right corner.
4. Click [Auto Discover], the phone will automatically search for devices.
5. After the addition is successful, click Finish to jump to the control page of the light string.

### The other four distribution modes of the product

1. APP pop-up window distribution network:

After the device is powered on, it flashes and opens the APP interface, and it is found that the device pushes a pop-up window to remind you to add the device's network connection

2. Manually add Bluetooth:

The device is powered on and flashes open the APP add device interface to manually add a Bluetooth device, click search to find the device's network connection

3. EZ distribution network:

The device is powered on and flashes open the APP add device interface to manually add a WIFI device, EZ mode configuration network connection

4. AP distribution network:

Power on the device. Press and hold the power button for 5S, and the indicator light enters a slow flashing

state. Open the APP add device interface to manually add a WIFI device, EZ mode, click slow flashing (every 2 seconds) to connect to the network.

## 6. Warnings and precautions

1. Do not use or store the device in humid environments such as toilets and dusty or dirty places. This may damage components and electronic components.
2. Do not place the device in an overheated place. High temperature will shorten the life of the electronic device and damage the plastic parts of the product.
3. Do not slam or throw the device strongly, as doing so may damage its delicate structure.
4. Do not use harsh chemicals, cleaning or strong detergents to clean the equipment.
5. Do not use in flammable and explosive environments.
6. If you find abnormalities such as peculiar smell, heat, discoloration, deformation, etc., please stop using the equipment immediately and contact us.
7. During operation, if radio frequency interference occurs, the smart colorful light string may not work.
8. Do not place it where infants and young children can reach, and children should use it under parental supervision.
9. When this product is powered on, please pay attention to the safety of electricity.
10. The controller can only be used indoors, and the string of lights can be used indoors and outdoors (see the information on page 3 for the waterproof level)