



## LST04-WR (BK Module) Strip Light IM

Version: V1.3

| Version | Revision content  | 修订人 | 生效日期       |
|---------|---|-----|------------|
| V1.0    | 新颁  | 姬敏杰 | 2020.05.16 |
| V1.1    | 完善初版  | 姬敏杰 | 2020.05.16 |
| V1.2    | 1.Modify WiFi pairing description, can use Bluetooth to assist pairing network<br>2.Optimize the strip light power supply power on (when the strip light power on, the strip light will not have a single flash)<br>3.Optimization of memory function after power failure<br>4.Update the APP interface picture<br>5.Update product parameter table: description of power input parameters, standby power consumption | 喻钰立 | 2020.08.05 |
| V1.3    | 1. Add the power parameters of the strip light<br>2. Add parameter of transmitter<br>3. change the transmitter picture  | 喻钰立 | 2020.08.07 |



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## 一、 Function summary

LST04-WR is a smart RGB+W strip light that supports mobile phone WIFI communication and RF remote control. It is equipped with bluetooth assist network pairing, scene mode, dimmer, color adjustment, white light mode, timing and other functions.

## 二、 Product package



Lamp with a power supply

One light strip controller

Light with a remote control transmitter

5m light with one

Note: 1pcs 5 meter light strip+1 pcs 24V/1A power adaptor+1pcs controller (type C connect the light strip, DC connector connect the power adaptor) +1 pcs transmitter



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### 三、 Product parameter

|                                   |   |
|-----------------------------------|---|
| Model#                            | LST04-WR  |
| Size of strip light               | 10*5000mm   |
| LED qty/meter                     | 30pcs 5050 RGB LED/30pcs 2835 2700K LED   |
| 2835 LED color temperature range  | 2700K $\pm$ 10%   |
| The lumen value range of 2835 LED | 1100lm $\pm$ 20%  |
| Power of strip light              | 2.4W/M  |
| Size of controller                | 80*29.1mm   |
| product color                     | white   |
| Power input voltage/current       | AC120-240VAC/50-60Hz, 0.45A (Max)   |
| Power output voltage/current      | DC 24V, 1A (Max)  |
| WiFi parameter                    | Receiving frequency:2412-2462MHz<br>Number of Channel:11 Channels for 802.11b/g/n (HT20)<br>Modulation: 802.11b CCK; 802.11g/n OFDM<br>Antenna Type:PCB Antenna<br>Antenna gain: 0.5dBi |
| BLE parameter                     | Receiving frequency:2402-2480MHz<br>Number of Channel:40 Channels<br>Modulation: GFSK<br>Antenna Type:PCB Antenna<br>Antenna gain: 0.5dBi   |
| stand-by power consumption        | <1W   |
| Smartphone system requirements    | iOS 8.0 and above   |
|                                   | Android 4.4 and above   |



## 四、Instructions

### Instruction of RF resync code and reset WIFI

LST04-WR is an intelligent WIFI+RF light strip. The main functions are realized through APP and RF remote control. Before using the WIFI function of this device, the device needs to be added first.

There is a button on the front of the housing of the controller. There are two types operation of button: single click and long press.

Single click the button to turn on/off the strip light. The strip light will be lightened when turn on and be dark when turn off.

When the strip light is turned off, long press the button on the controller, it will enter the pairing network mode. If not enter the pairing network mode, it will enter the EZ mode (universal mode). Continue to long press the button under the EZ mode to enter APmode (pairing network under specified hot spot ); Continue to long press the button will switch between the AP-EZ mode; WIFI will be reset when the network have finished the pairing.

When the light strip is turned on, long press the button on the controller, it will switch to white light and adjust the brightness.

RF pairing method: After the light strip power on, press the first row ON/OFF button on the transmitter repeatedly within 30 seconds. If the device is controlled, stands for the syncing is finished.

RF delete pairing method: within 30S after the controller is powered on, use a toothpick or a needle to press the pinhole RST button on the back of the transmitter, and the transmitter will have a light flashing indicate the pairing deleted.

Note: With power OFF memory function, it will be remembered after the device state lasts for 5 seconds, and will be restored to ON/OFF state after the next power ON.



## 1. Description of transmitter function:



ON : turn on the strip light

OFF : turn off the strip light

WHITE UP : increase brightness of white light

WHITE DOWN : decrease brightness of white light

STROBE COLORS : turn strip on and off as it rotates through colors

FLASG COLORS : rapidly rotates through colors

CHANGE COLORS : change solid colors

FADE COLORS : smoothly transitions through colors

parameter of transmitter

|                            |                         |
|----------------------------|-------------------------|
| RF parameter               | 2402-2480MHz            |
| effective distance         | >30M                    |
| power supply               | CR2032,3Vbutton battery |
| stand-by power consumption | 20ua                    |

## Description of APP function



UI1

UI2



UI3

UI4

### Interface and function introduction

UI1: Default status of open APP panel: you can turn on and off the light strip by switch.

UI 2: Palette panel, you can choose the color, brightness, dimming and other parameters.

UI 3: Scene mode selection panel, click it and enter to the corresponding scene pattern, Click edit to enter the setting interface of this scene mode

UI4: Set the timer to turn on or turn off the strip light



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## 五、Using Method

### (一) download the APP

Use your phone to scan the belowQR code to download the APP, or search for "SmartlinkPlus" to download and install the APP in theAPP stores



### (二) Connect the WIFI

Automatic addition :(bluetooth assist network pairing)

Open the APP to register and login----the smart phone should to connect the WIFI-----connect the light strip and controller and power it on----- long press the button on the controller to enter the EZ mode when the strip light is turned off-----open the APP and click add device----Using Automatic discovery, turn on the Bluetooth---- finish pairing network according to the reminder-----choose the mode and color after the APP connect successfully.

manually add device

Open the APP to register and login----the smart phone should to connect the WIFI -----connect the light strip and controller and power it on----- long press the button on the controller to enter the EZ mode when the light strip is turned off-----open the APP and click add device or “+” on the top right corner to finish pairing network according to the reminder-----choose the mode and color after the APP connect successfully.

### (三) Connect RF transmitter

Connect the light strip and controller and power it on-----repeatedly press the first row ON/OFF button within 30S-----if the device is controlled, connect successfully----use the transmitter to choose ON/OFF, color, mode and other functions.



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**FCC STATEMENT :**

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.

Warning: 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.

**RF warning statement:**

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.