



长兴博泰电子科技股份有限公司

CHANGXING POTEKELECTRONICS & TECHNOLOGY CO., LTD.

LST04-WR (BK Module) Strip Light IM

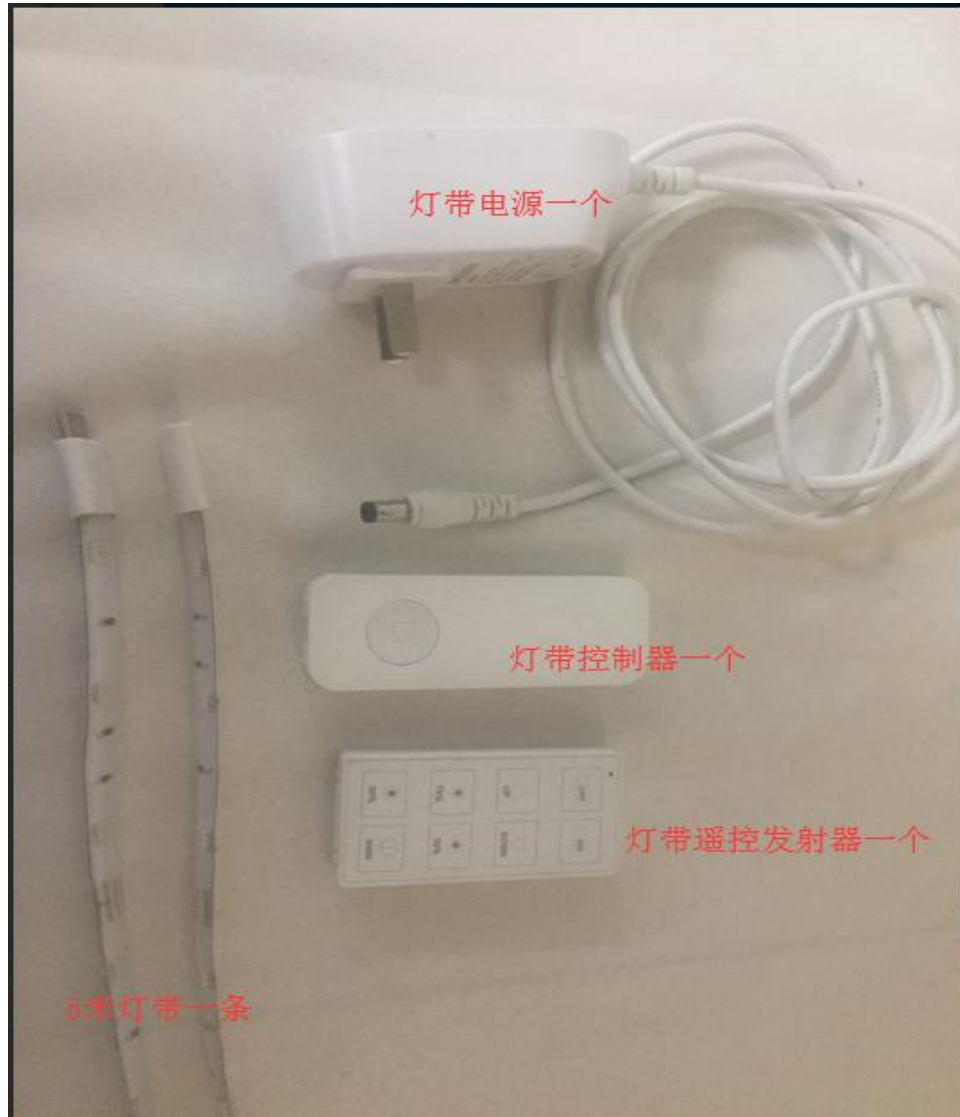
版本号: V2.0

一、 功能概要 Function summary

LST04-WR 是一款支持手机 WIFI 通讯以及 RF 遥控器控制的 RGB+W 灯带，具备蓝牙辅助配网、场景模式、调光调色、白光模式、定时等功能的智能灯带。

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、 产品套装图示



备注：电源规格是 24V/1ADC（带 DC 接头）。灯带控制器 TYPE_C 连接灯带，右边 DC 接头连接 24V 电源。

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



三、 产品参数

外观	
产品型号 Model#	LST04-WR
灯带尺寸 Size of strip light	10*5000mm
每米灯珠个数 LED qty/meter	30PCS5050 灯珠/30PCS2835 暖白灯珠 30pcs 5050 RGB LED/30pcs 2835 2700K LED
白光灯珠 2835 色温范围 2835 LED color temperature range	2700K ± 10%
白光灯珠流明值范围 The lumen value range of 2835 LED	1100lm ± 20%
灯带功率设计 Power of strip light	2.4W/M
控制器尺寸 Size of controller	80*29.1mm
产品颜色 product color	白色 white
产品重量	/
产品参数	
电源输入电压/电流 Power input voltage/current	AC120-240VAC/50-60Hz, 0.45A (Max)
电源输出电压/电流 Power output voltage/current	DC 24V, 1A (Max)
WiFi 参数 WiFi parameter	支持协议 802.11 b/g/n; 通道 1-14@2.4GHz; 支持 WPA/WPA2 安全 support 802.11 b/g/n; WIFI channel 1-14@2.4GHz; support WPA/WPA2 security protocols
蓝牙参数 BLE parameter	工作频率 2402 - 2480 MHz; 空中速率 1 Mbps; 发射功率 +5dBm ; RX 灵敏度 -93dBm ; 共信道抑制比 10 dB。 Operating frequency 2402-2480 MHz; Air rate(AIUR): 1 Mbps; Transmission power +5dBm; RX sensitivity -93dbm; Co-channel rejection ratio is 10 dB.
待机功耗 stand-by power consumption	<1W
手机系统要求 Smartphone system requirements	iOS 8.0 及以上版本; iOS 8.0 and above Android4.4 及以上系统的手机 Android 4.4 and above



四、使用说明

LST04-WR 产品 RF 学码以及 WIFI 重置说明：

Instruction of RF resync code and reset WIFI

LST04-WR 是一款智能 WIFI 灯带，主要功能是通过手机 APP 以及 RF 遥控器实现的。使用该设备 WIFI 功能之前，需要先进行添加设备。

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.

产品的壳体正面有一个按键。按键操作分为两种：点按和长按。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.

- 点按控制灯带的开关，开启时灯带点亮，关闭时灭。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.

- 灯带关闭时长按进入配网模式：未配网则会进入 EZ 配网模式（万能模式）；EZ 模式下继续长按进入 AP 配网模式（指定热点配网）；继续长按会在 AP-EZ 之间模式切换；已配网则会重置 WIFI。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 AP mode (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.

- 灯带打开时长按：灯带切换回白光，并调节亮度。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 配对方式：控制器上电 30S 内来回按下第一组 ON/OFF 按键，若设备受控，表示学习完成； 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 清除配对方式：控制器上电 30S 内，使用牙签或者细针按下发射器背面的针孔式 RST 按键，发射器有灯闪指示，即可清除配对。

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.

注：带有断电记忆功能，在设备状态持续 5 秒后记忆，下次上电后会恢复 ON/OFF 状态。

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. LST04-WR 遥控器功能说明 : 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

FLASH COLORS : rapidly rotates through colors

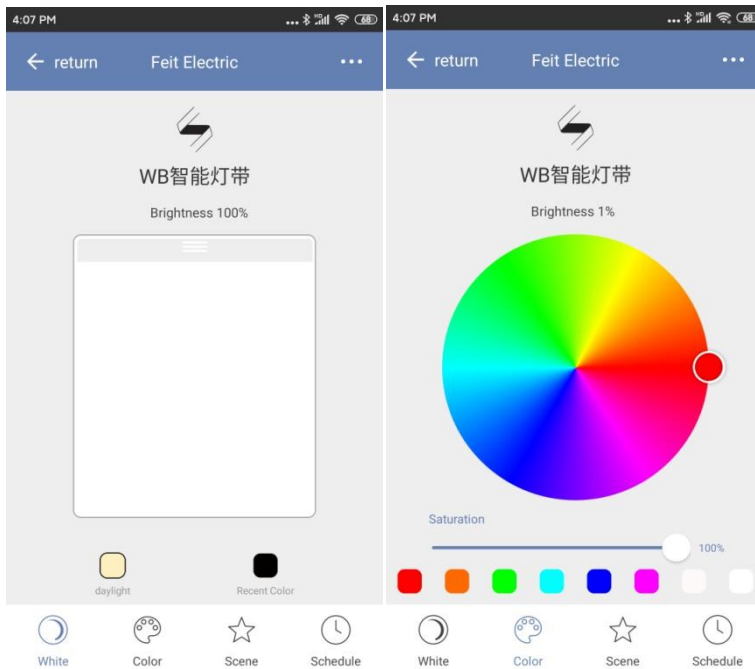


CHANGE COLORS : change solid colors

FADE COLORS : smoothly transitions through colors

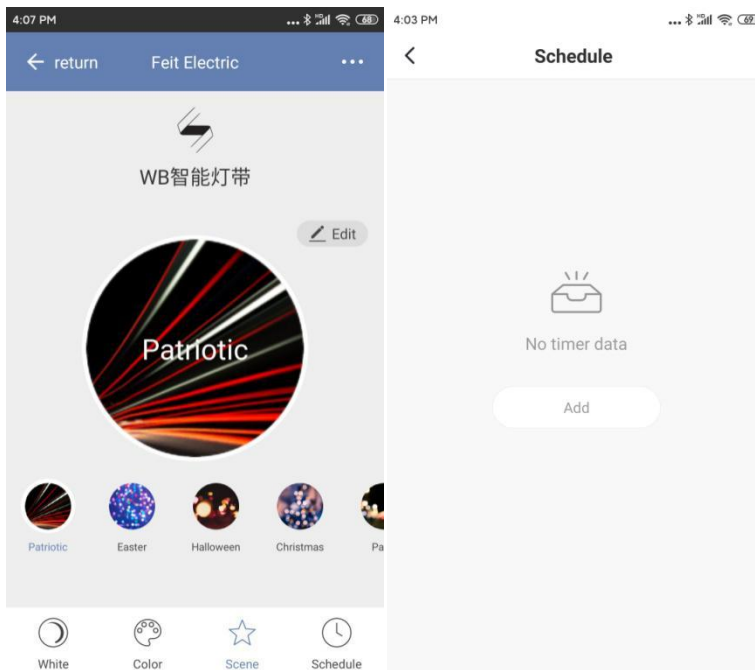
发射器参数 parameter of transmitter	
有效距离 effective distance	>30M
电源 power supply	CR2032,3Vbutton battery
待机功耗 stand-by power consumption	20ua

LST04-WR 手机 APP 功能说明 **Description of APP function**



UI1

UI2





UI3

UI4

界面以及功能介绍 **Interface and function introduction**

界面 1: APP 面板打开的默认状态: 可以通过开关来开关灯带

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

界面 2: 调色盘面板, 可以选择灯带的色彩、亮度以及浓度等参数

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

界面 3: 场景模式选择面板, 点按进入到对应的场景模式, 点击编辑进入到设置该场景模式设置界面

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

界面 4: 设置定时开关灯带。

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

五、使用方法 **Using Method**

(一) 下载 APP **download the APP**

使用手机扫描下方二维码下载 APP, 也可在各大应用商店搜索“SmartlinkPlus”下载安装 APP

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



(二) 连接 WIFI **Connect the WIFI**

自动添加: (蓝牙辅助配网) Automatic addition : (bluetooth assist network pairing)

打开 APP 注册登录 》》手机连接 WIFI 》》连接灯带和控制器并通电 》》关闭模式下长按控制器按键进入 EZ 配网模式 》》打开 APP 点击添加设备 》》使用自动发现, 打开蓝牙 》》按提示完成配网 》》连接成功 APP 内可选择模式、色彩等。

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.

手动添加: manually add device

打开 APP 注册登录 》》手机连接 WIFI 》》连接灯带和控制器并通电 》》关闭模式下长按控制器按键进入 EZ 配网模式 》》打开 APP 点击添加设备或者右上角“+”号按提示完成配网 》》连接成功 APP 内可选择模式、色彩等。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) 连接 RF 发射器 **Connect RF transmitter**

连接灯带和控制器并通电 》》上电 30S 内来回按下第一组 ON/OFF 按键 》》若设备受控则连接成功 》》使用遥控远距离选择开关、选色、模式等功能。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.

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.



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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:

FCC Radiation Exposure Statement:

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.