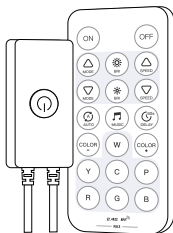


SP649E使用说明书



SP649E SPI RGBW LED控制器



一、简介：

SPI 四通道RGBW 幻彩LED控制器，自由控制RGB彩光和白光，兼具静态调光、动态氛围、音乐效果等功能。

二、功能特点：

- 1、支持手机App和2.4G遥控器控制；
- 2、支持最多450个常规归零码四通道RGBW单线LED驱动IC；
- 3、内置多种音乐效果，动态效果，支持效果暂停，支持亮度、速度、方向和效果长度调节；
- 4、支持手机麦克风、播放器串流和板载麦克风的音乐采集方式；
- 5、支持动态效果收藏，收藏列表循环播放；
- 6、支持自定义效果；
- 7、支持多种开关机动画效果；
- 8、支持校准通道顺序和定时开关；
- 9、支持OTA固件升级。

三、手机APP：



1. SP649E支持App控制，支持iOS和安卓系统；
2. 苹果设备需要iOS10.0或更高版本，安卓设备需要Android 4.4或者高版本；
3. 可在App Store、Google Play搜索“BanlanX”找到APP，或者扫描二维码下载安装。

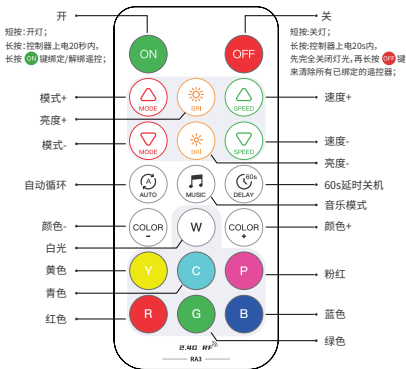
APP操作引导

- 打开App点击首页右上角的 **+** 添加设备；
- 在操作界面点击右上角的 **⚙️** 进入设置界面，可以修改名称，定时开关，设置开关机效果，OTA固件升级等操作。

四、支持2.4G遥控器：

与SP649E匹配的2.4G遥控器型号 (RA3) 如下：

- 支持一对多控制，一个遥控器可以控制多个控制器；
- 支持多对一控制，每个控制器可以绑定最多5个遥控器。

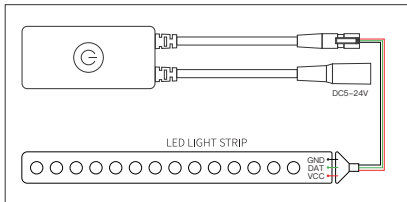


五、技术参数：

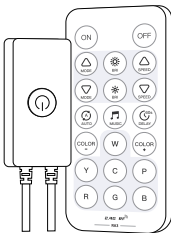
控制器参数

工作电压:DC5V~24V	工作电流:12mA~25mA
工作温度:-20℃~60℃	控制器尺寸:55mm*26mm*12mm (不含线材)

六、接口方式：



SP649E Instructions



SP649E SPI RGBW LED Controller



1.Brief:

SPI four-channel addressable RGBW LED controller, with unique dynamic, music and DIY effects to meet your lighting and ambiance needs.

2.Features:

1. Support App control and 2.4G remote control;
2. Support up to 450 single-wire RZ RGBW LED driver ICs;
3. Built-in a variety of music and dynamic effects, support effects pause, multi-parameter adjustable;
4. Capture music through the phone microphone, player streamer and on-board microphone;
5. Support effect collection;
6. support DIY effects;
7. With a variety of ON/OFF animation effects;
8. With sequential channel calibration and ON/OFF timer functions;
9. Support OTA firmware upgrade.

3.APP:



- 1.SP649E supports App control for iOS and Android devices.
- 2.Apple devices require iOS 10.0 or higher, and Android devices require Android 4.4 or higher.
- 3.You can search "BanlanX" in App Store or Google Play to find the APP, or scan the QR code to download and install.

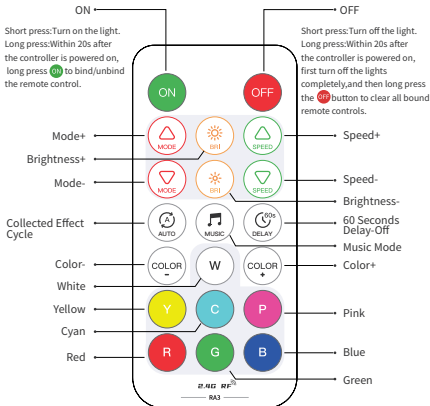
Operations

- Open the App, click the + icon in the top right corner of the home page to add device;
- Click the ⚙ icon in the upper right corner of the App to enter the settings page, where you can modify the device name, set the timings, set the on/off effect, OTA firmware upgrade, etc.

4. Work With 2.4G Remote Control:

The 2.4G remote control models (RA3) matched with SP649E are as follows:

- Support one-to-many control, one remote control can control multiple controllers.
- Support many-to-one control, each controller can bind up to 5 remote controls.



5. Technical Parameters:

Working Voltage: DC5V~24V	Working Current: 12mA~25mA
Working Temp: -20°C~60°C	Dimension: 55mm*26mm*12mm (not including the wires)

6. Wiring

