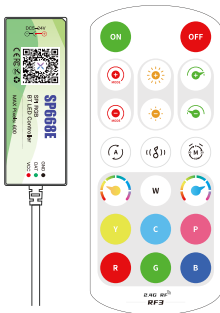


SP668E 使用说明书

SP668E SPI RGB BT LED控制器



一、简介：

SP668E 是一款SPI三通道RGB幻彩蓝牙LED控制器。支持App和2.4G遥控器控制，App具有直观的灯光效果可视化UI，强大的自定义效果功能，还拥有个性化的场景收藏设计，全方位满足您对灯光氛围的个性化需求。

二、产品特点：

-  支持App和2.4G遥控器两种便捷的控制方式；
-  全新的场景化App UI设计，灯光效果可视化预览，带来独特视觉体验；
-  内置极具创意的动态效果，自由多样的DIY效果，和灵动的音乐效果；
-  设有个性化场景收藏功能，支持循环播放并能设置播放时间；
-  支持多设备的分组管理，自动设备重连功能；
-  支持OTA升级，确保设备获得最新的功能和改进；
-  支持定时开关机。

三、BanlanX App：



- SP668E支持由BanlanX App控制，支持iOS和安卓系统；
- 苹果设备需要iOS 10.0或更高版本，安卓设备需要Android 4.4或者高版本；
- 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:

• 注册并登录:

点击页面右上角“注册”→填写所需的信息→注册成功→登录

注:

点击“无账号登录”→进入访客模式(部分功能可能会受限)。



• 添加设备:

注册成功后,页面中间“添加设备”或“+”中的“添加设备”

→搜索页面→选择设备→完成添加



• 颜色校正:

点击控制界面右上角“颜色校正”图标→根据灯具实际显示的颜色选择相应的颜色按钮→完成校正

注:

由于灯具存在差异,若界面颜色与实际灯光没有对应,则需要进行校正。



• 控制灯效:

1、动态效果:



点击界面下方的效果图标
可以选择不同的动态效果。



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一共包含多达30种动态效果。

• 纯色调节:



• 颜色调节:



• 渐变色调节:



2、音乐效果:



点击界面下方的效果图标
可以选择不同的音乐效果。



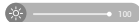
• 选择音乐采集方式:



• 设置采集灵敏度:



• 设置灯光亮度:



3、自定义:



点击界面下方的效果图标
可以选择不同的自定义效果。



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一共包含多达13种自定义效果。

• 缩放比例:



• 速度调节:



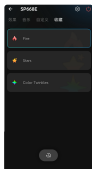
• 纯色/渐变色切换:



• 设置效果方向:

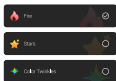


4、收藏:



在任意效果界面的右上方, 点击  图标, 即可将当前效果添加到收藏列表。

• 长按管理收藏效果:



• 循环跑动所有效果:



• 调整循环播放时间:



四、2.4G遥控器：

与SP668E匹配的2.4G RF 遥控器 RF3：

- 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。

短按 **ON** : 开灯

长按: 控制器上电20秒内,
长按 **ON** 键绑定/解绑遥控。

若遥控器未绑定则进行绑定, 白光呼吸3次

若遥控器已绑定则进行解绑, 白光呼吸1次

若绑定的遥控器超过最大个数(5个),
则绑定不成功, 灯光无反应

短按 **OFF** : 关灯

长按: 控制器上电20秒内,
先完全关闭灯光, 再长
按 **OFF** 键来清除所有已
绑定的遥控器。

解绑所有遥控器, 白光呼吸1次



注意：

- 确保根据极性 (+ 和 -) 正确安装电池；
- 长时间未使用的设备中的电池应取出, 根据当地法规回收或处理；
- 始终完全固定电池盒。如果电池盒无法牢固关闭, 请停止使用产品, 取出电池, 并将其远离儿童。

五、技术参数：

● 控制器参数

工作电压：	DC5V~24V	数据类型：	SPI
工作电流：	14mA~20mA	IC类型：	常规归零码三通道LED驱动IC
工作温度：	-10°C~60°C	最大控制点数：	600
控制器尺寸：56mm*21mm*12mm(不含线材)			

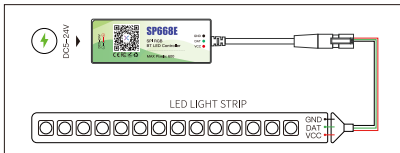
注：恢复出厂设置

连续插拔电源5次(每次通电2秒后断电)，控制器将自动重启，即恢复出厂设置。

● 遥控器参数

工作电压：	3V(CR2025)	静态电流：	4uA
传输频率：	2.4G	遥控距离：	30M(空旷场地)
遥控器尺寸：103mm*45mm*8.5mm			

六、接线方式：



SP668E Instructions

SP668E SPI RGB BT LED Controller



1.Brief:

SP668E SPI RGB BT LED Controller. Supports App and 2.4G RF remote control. App offers an intuitive visual UI for lighting effects, powerful customization features, and a personalized scene collection design, fully meeting your needs for a customized lighting atmosphere.

2.Features:



Supports two convenient control methods: App control and 2.4G RF remote control.



A brand-new scene-based App UI design with visualized lighting effect previews for a unique visual experience.



Includes highly creative dynamic effects, versatile DIY options, and lively music effects.



Features personalized scene collection, supports loop playback, and allows setting playback time.



Supports multi-device group management and automatic device reconnection.



Supports OTA updates, ensuring your device stays with the latest features and improvements.



Support timed power ON/OFF.

3.BanlanX App:



- SP668E supports App control for iOS and Android devices.
- Apple devices require iOS 10.0 or higher, and Android devices require Android 4.4 or higher.
- You can search "BanlanX" in App Store or Google Play to find the App, or scan the QR code to download and install.

• App operation:

• Register and Login:

Click on the upper right corner of the page "Sign up" → Fill in the required information → Registration success → Login

Note:

Click "Sign in without account" → Enter Guest Mode (some features may be limited).



• Add Device:

After registering successfully, Add device in **Add device** or **+** → Searching page → Select the device → Finish adding



• Color Correction:

Click the  icon in the upper right corner of the control interface → **Color Correction** → Select the corresponding color button based on the actual color shown by the LED → Correction completed

Note:

Due to differences in the LED, if the UI color does not match the actual light, calibration is required.



• Control Lighting Effect:

1. Dynamic Effects:



Click the effect icons at the bottom to choose different dynamic effects.



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Up to 30 dynamic effects.

• Single color settings:



• Color adjustment settings:



• Gradient color settings:



2. Music Effects:



Click the effect icons at the bottom to choose different music effects.



- Music collection methods:



- Set sensitivity:



- Adjusts brightness:



3. DIY Effects:



Click the effect icons at the bottom to choose different DIY effects.



Up to 13 DIY effects.

- Zoom in/out:



- Speed adjustment:



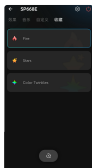
- Solid/Gradient color toggle:



- Set effect direction:

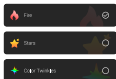


4. Favorites:



At the top right of any effect screen, click the  icon to add the current effect to the favorites list.

- Long press to manage:



- Loop playback ON/OFF:



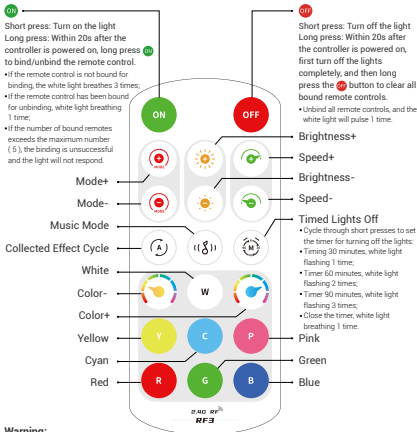
- Adjusts loop playback interval:



4. Work With 2.4G Remote Control:

The 2.4G remote control model (RF3) compatible with SP668E:

- 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.



Warning:

- Ensure the batteries are installed correctly according to polarity (+ and -);
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations;
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

5. Technical Parameters:

• Controller Parameters

Working Voltage: DC5V~24V	Data Type: SPI
Working Current: 14mA~20mA	IC Type: Single-wire RZ RGB LED driver IC
Working Temp: -10°C~60°C	MAX Pixels: 600
Dimension: 56mm*21mm*12mm (Not including the wires)	

Note: Restore Factory Settings

To hard reset to factory settings, plug and unplug the power supply 5 times consecutively (with each power -on lasting 2 seconds before turning off).

• Remote Control Parameters

Working Voltage: 3V(CR2025)	Static Current: 4uA
Transport: 2.4G	Remote Distance: 30M (Open space)
Dimension: 103mm*45mm*8.5mm	

6. Wiring:

