

# F201 蓝牙幻彩音乐 LED 控制器

## 一、特点：

- 1、支持手机 APP 、红外 IR 遥控等控制方式；
- 2、支持 APP 启动时自动连接设备和断开后自动重连设备；
- 3、支持多个设备分组控制；
- 4、支持多种音乐采集模式：手机麦克风、播放器串流、板载麦克风；
- 5、支持修改设备名称，校准 RGB 通道顺序，定时器等功能；
- 6、支持市面上常见的单线 LED 驱动 IC，支持驱动 600 个像素点；
- 7、内置 142 种动态模式，支持动态模式效果长度调节，动态模式收藏，且动态模式和收藏模式可独立循环；
- 8、内置 18 种音乐模式，支持音乐模式效果长度调节，灵敏度调节，效果颜色自选和音乐模式循环；
- 9、DC5~24V 宽电压输入，电源具有防反接功能；
- 10、掉电保存设置参数功能。



## 二、手机 APP：

本控制器支持由手机 APP 进行控制，支持 IOS 和安卓系统；

苹果手机需要 IOS10.0 或更高版本，安卓手机需要 Android 4.4 或者高版本；

可在 App Store、Google Play 搜索“Banlan X”找到 APP，或者扫描二维码下载安装。



操作方法：

- 打开 App 点击首页右上角的 来扫描设备添加设备；也可创建分组将已添加的设备进行分组；  
在设备列表中点击单独的设备进入操控页面来单独控制设备；在分组列表中点击组别进入操控页面来同时控制组别内所有设备；
- 用户进入操作页面后可以点击右上角的 可以进行修改设备名称和通道颜色校准；
- 用户可以点击右上角的 来设置最多 5 个定时事件，请注意当控制器断电后，所有设置好的定时事件将会被删除；
- 在效果页面中，有多种音乐效果和非音乐效果，用户可对多种效果模式设置其速度，亮度，颜色和效果长度；

**注：**连接 Banlan X APP 后点击主页右上角 按钮，再点击**帮助与常见问题**即可获得更详细的使用说明。

## 三、IR 遥控器：

|        |        | ~   | 16 种静态单色 |      |      |      |       |       |       |        |        |
|--------|--------|-----|----------|------|------|------|-------|-------|-------|--------|--------|
| 开      | 关      |     | 彩虹效果     | 流星效果 | 星空效果 | 火焰效果 | 动态效果+ | 动态效果- | 收藏效果+ | 收藏模式-  |        |
|        |        |     |          |      |      |      |       |       |       |        |        |
| 动态模式循环 | 收藏模式循环 | 速度+ | 速度-      | 亮度+  | 亮度-  | 长度+  | 长度-   | 音乐模式+ | 音乐模式- | 音乐模式循环 | 音乐模式取色 |

## 四、按键说明：

开关 ：打开和关闭控制器；

模式键 ：模式键用于切换非音乐模式；

速度键 ：调节非音乐模式的效果速度。

## 五、技术参数：

工作温度：-20°C~60°C

工作电压：DC5V~24V

控制器尺寸：60mm\*30mm\*14mm (不含线材)

工作电流：9mA~24mA

遥控器尺寸：125mm\*56mm\*7.5mm

## 六、接线方式：



# F201 Bluetooth Music Pixel LED Controller

## 1. Features:

1. Supports both APP control and IR remote control;
2. Support automatic device connection and automatic re-connection when the APP turns on;
3. Support multiple devices grouping control;
4. Multiple sound collection methods: phone mic, player streaming, on-board mic;
5. Support modifying the device name, calibrate the RGB channel sequence, and timer function;
6. Compatible with the common single-line LED driver IC on the market, can drive up to 600 pixels;
7. Built-in 142 dynamic effects, effect length adjustable, with favour effects collecting function;
8. Built-in 18 music effects, effect length adjustable, sensitivity adjustable;
9. DC5~24V wide voltage input, the power supply has anti-reverse connection function;
10. Automatic saving function for setting parameters.



## 2. App Functions:

SP611E supports being controlled by APP, both iOS and Android version are available;

Apple devices are required iOS 10.0 or later, Android devices are required Android 4.4 or later;

you can search "Banlan X" in the App Store or Google Play to find the app,



or scan the QR code to download and install.

App Operations:

- Open the App and click the on the upper right corner of the homepage, add devices by scanning for devices, or creating a group of multiple added devices;  
Click on an individual device in the device list to access the control page to control the device individually;  
Click on a group in the group list to enter the control page to control all devices in the group at the same time;
- User can modify the device name and calibrate the RGB channel sequence by clicking on the upper right corner of the operation page.
- User can set up to five timing events by clicking on in the upper right corner, please note that all set timing events will be deleted when the controller is powered off.
- In the effects page, there are a variety of music effects and non-music effects, users can set speed, brightness color and effect length for a specific effect.

**Note:** User can find more detailed information and help by clicking the button in the top right corner.

## 3.IR Remote Functions:

|          |               |                  |         |              |              |          |          |              |              |                 |                 |
|----------|---------------|------------------|---------|--------------|--------------|----------|----------|--------------|--------------|-----------------|-----------------|
|          |               |                  |         |              |              |          |          |              |              |                 |                 |
| ON       | OFF           | 16 Static colors |         | Rianbow      | Meteor       | Stars    | Fire     | Mode +       | Mode -       | Favorite Mode + | Favorite Mode - |
|          |               |                  |         |              |              |          |          |              |              |                 |                 |
| All Auto | Favorite Auto | Speed +          | Speed - | Bright ness+ | Bright ness- | Length + | Length - | Music Mode + | Music Mode - | Music Auto      | Change Color    |

## 4.Button Functions:

On/Off button : Turning on or off the LED light;

Mode button : Switching the effects;

Speed button : Adjusting the speed of the non-music effects.

## 5. Technical Parameters:

Working temperature:-20°C~60°C

Working voltage:DC5V~24V

ControllerDimensions:60mm\*30mm\*14mm(not including the wires)

Operating current:9mA~24mA

Remote control Dimensions: 125mm\*56mm\*7.5mm;

## 6. Wire Connection:



## 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.

## 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 5mm between the radiator & your body.