# SP611E 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, botth 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 **M** : Switching the effects;

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

## 5. Technical Parameters：

Working temperature:-20℃~60℃

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

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

Working voltage:DC5V~24V

Operating current:9mA~24mA

## 6. Wire Connection：