

# SP617E Bluetooth Music RGBW-IC LED Controller

## 1. Features:

1. Supports both APP control and IR remote control;
2. Support automatic device connection;
3. Support group control;
4. Multiple sound collection methods: phone mic, player streaming, on-board mic;
5. Support modifying the device name, calibrate the RGBW channel sequence, and timer function;
6. Compatible with the RGBW 4 channel single-line RZ code driver IC like SK6812, SM16704, UCS2904, WS2814, TM1824, etc...can drive up to 450 pixels;
7. Individually controllable static pure white light (W channel).
8. Built-in 152 dynamic effects(10 kinds of W channel effect), effect length adjustable, with favour effects collecting function;
9. Built-in 18 music effects, effect length adjustable, sensitivity adjustable;
10. DC5~24V wide voltage input, the power supply has anti-reverse connection function;
11. Automatic saving function for setting parameters.



## 2. App Functions:

SP617E 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

Search "BanlanX" on the App Store or Google Play or scan the QR code to download and install the App:



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 RGBW 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 | ~ W     | Rainbow      | 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    |

**Note:** The W button individually control the pure white(W channel); 10 kinds of W channel effects can be called out by button Mode + and Mode -.

## 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℃

Working voltage:DC5V~24V

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

Operating current:15mA~28mA

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

## 6. Wire Connection:

