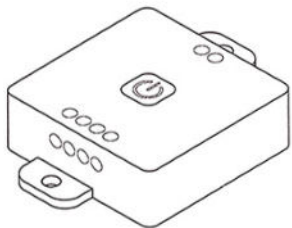# SP631E Instructions

SP63BE SPI RGB+1CH PWM Single Color LED Controller

CE FC RoHS ♻

1.Brief:

SPI addressable RGB & 1CH PWM LED controller, combine RGB LED driver IC and single-way PWM, freely control RGB and W LED, with unique dynamic, music and DIY effects to meet your lighting and ambiance needs.

2.Features:

1. Support App control, 2.4G touch remote control and 2.4G touch 86-type control panel;
2. Support up to 600 single-wire RZ RGB 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.SP63BE 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 Touch Remote Control:

The 2.4G touch remote control models (RB3 and RC3) matched with SP63BE 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.

● Support unified control and 4-zones control.

NOTE: For more information, refer to "2.4G Touch Remote Control Instructions"

RB3

RC3

(Requires separate purchase)

5.Technical Parameters:

Working Voltage: DC5V~24V	Working Current: 1mA~10mA
PWM Single Channel Maximun Output Current: 6A	Working Temp: -20°C~60°C
Dimension: 78mm*56mm*20mm	

6.Wiring

Power supply

LED LIGHT STRIP