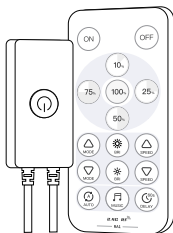


# SP646E Instructions



SP646E SPI Single Color LED Controller



# 1.Brief:

Single color SPI LED controller, with build-in dynamic effects and music reactive effect.

# 2.Features:

1. Support App control and 2.4G remote control;
2. Supports up to 1800 channels of single-wire RZ LED driver ICs;
3. Built-in a variety of pure white light dynamic effects and music effects, with multiple adjustable parameters;
4. Capture music through the phone microphone, player streamer and on-board microphone;
5. Support effect collection;
6. With a variety of ON/OFF animation effects;
7. With ON/OFF timer function;
8. Support OTA firmware upgrade.

# 3.APP:



- 1.SP646E 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.

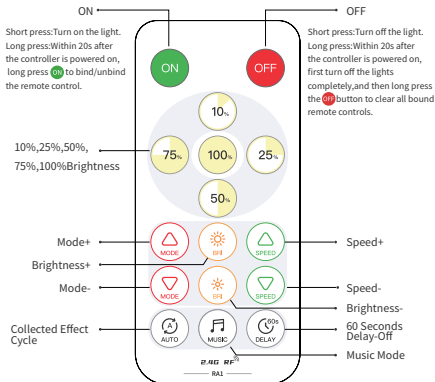
## Operations

- 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 Remote Control:

The 2.4G remote control models (RA1 ) matched with SP646E 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.



## 5. Technical Parameters:

Working Voltage: DC5V~24V	Working Current: 12mA~25mA
Working Temp: -20°C~60°C	Dimension: 55mm*26mm*12mm (not including the wires)

## 6. Wiring

