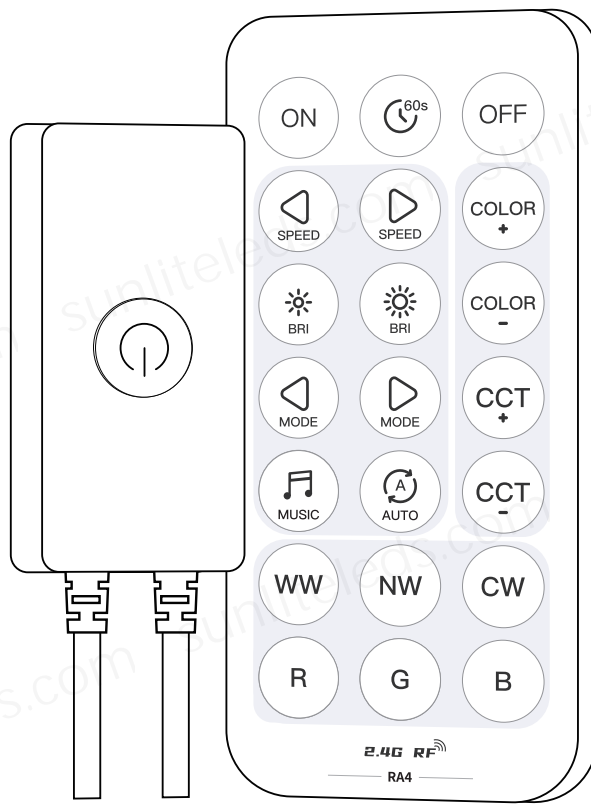# SP64CE Instructions

SP64CE SPI RGB+2CH PWM CCT LED Controller

1.Brief:

SPI addressable RGB & 2CH PWM LED controller, combine RGB LED driver IC and dual-way PWM, freely control RGB and CCT LED, with unique dynamic, music and DIY effects to meet your lighting and ambiance needs.

2.Features:

1. Support App control and2.4G remote control;

2. Support up to 600 single-wire RZ RGB LED driver ICs.

3. Built-in a variety of music and dynamic effects, support effect 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.SP64CE 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
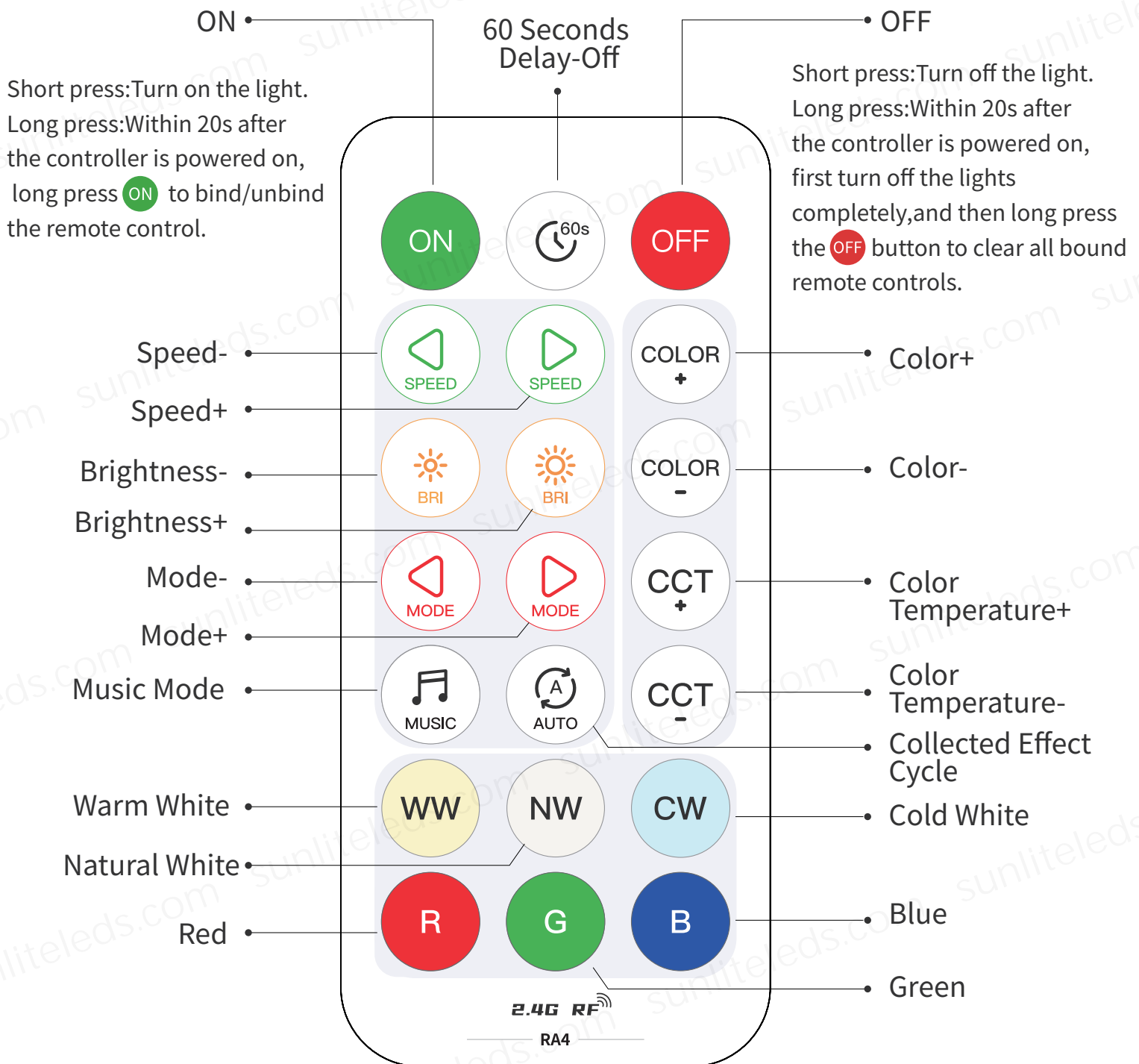
Operations

● 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 (RA4) matched with SP64CE 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.

ON

Short press:Turn on the light.
Long press:Within 20s after
the controller is powered on,
long press ON to bind/unbind
the remote control.

60 Seconds
Delay-Off

OFF

Short press:Turn off the light.
Long press:Within 20s after
the controller is powered on,
first turn off the lights
completely,and then long press
the OFF button to clear all bound
remote controls.

ON

60s

OFF

Speed- | SPEED
Speed+ | SPEED

Brightness- | BRI
Brightness+ | BRI

Mode- | MODE
Mode+ | MODE

Music Mode | MUSIC
AUTO

COLOR + | Color+

COLOR - | Color-

CCT + | Color Temperature+

CCT - | Color Temperature-

Collected Effect Cycle

Warm White | WW
Natural White | NW
CW | Cold White

Red | R
G | B

Blue
Green

2.4G RF

RA4

5.Technical Parameters：

Working Voltage: DC5V~24V	Working Current：12mA~25mA
PWM Single Channel Maximun Output Current：2A	Working Temp：-20℃~60℃
Dimension: 55mm*26mm*12mm (not including the wires)	

6.Wiring

LED LIGHT STRIP

DC5–24V

GND
WW
CW
DAT
VCC