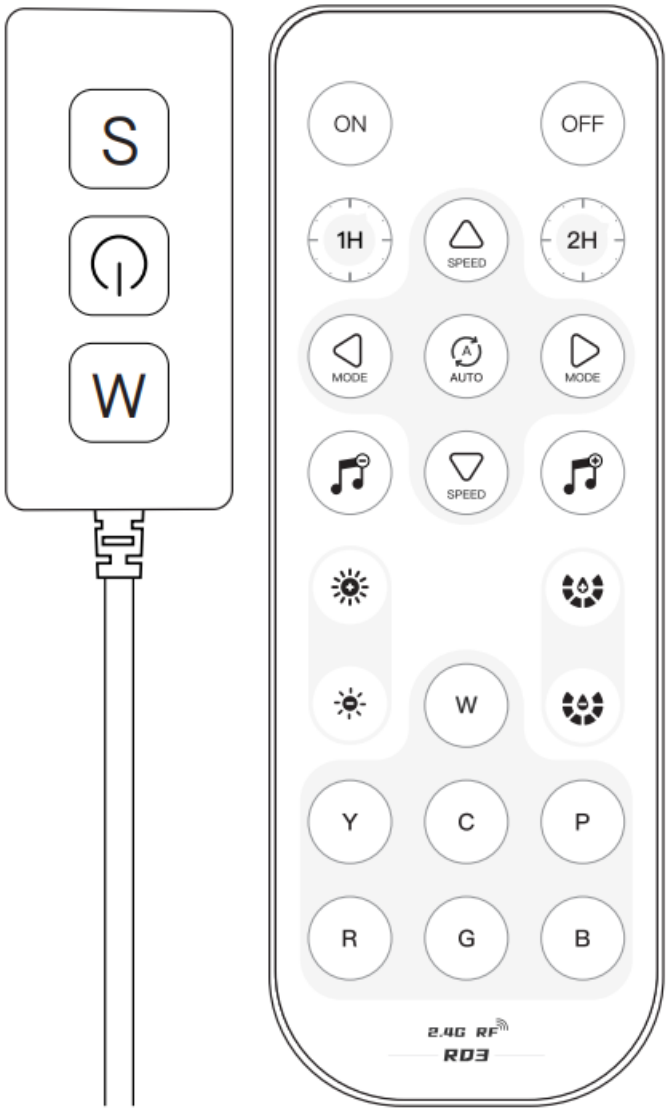
Contents [hide]

1 Dongguan SP548E SPI RGB IoT LED Controller
2 Brief
3 Product Features
4 APP
5 Technical Parameters
6 FCC Statement
7 Documents / Resources
7.1 References

Dongguan SP548E SPI RGB IoT LED Controller



Brief

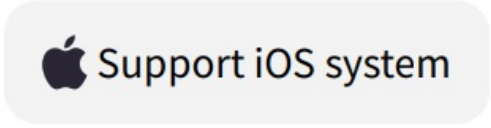
SP548E is an advanced SPI three-channel RGB colour LED controller that offers unique dynamic, musical, and customizable effects, enabling users to fully control and create their ideal atmospheric scenes. This controller combines the latest technology with flexible features, providing solutions for homes, commercial spaces, and any scene requiring a personalised atmosphere.

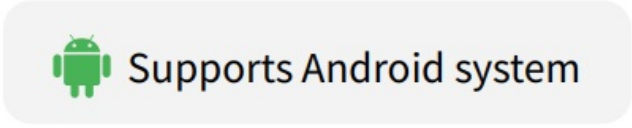
Product Features

1. APP Control: Utilises a dual-mode master control chip for efficient Bluetooth networking. Supporting Bluetooth, WiFi, and remote cloud connections;
2. Smart Speaker Voice Control: Integrated with smart speaker platforms like Alexa, Google Home, XiaoDu, XiaoAi, allowing for voice commands to control light switches, brightness, and colours;

3. Includes a standard RD3 2.4G RF remote control;
4. Supports up to 1200 conventional zero-code three-channel single-line LED driver ICS;
5. Features a rich array of dynamic and music effects, with adjustable brightness, speed, direction, and effect length, including a pause function, and supports customizable static and dynamic effects in solid and gradient colours;
6. Diverse music collection methods, including smartphone microphones, player streaming, and onboard microphones;
7. Offers various switch-on/off animation effects and timed switches.;
8. Supports OTA firmware upgrades; connects with “Banlanx ®” Cloud for a stable Lot cloud connection.
9. Supports the APP’s automatic connection and device reconnection function, as well a group management for multiple devices.

APP





1. SP648E 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 Banlanxx” 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 a device.
- Click the icon in the upper right corner of the App to enter the settings page, where you can 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, and OTA firmware upgrade, etc.

Work With 2.4G Remote Control

The 2.4G remote control models (RD3) matched with SP548E are as follows:

1. ON Button
    - Short press: Turns on the light.
    - Long press: Long-press the ON button
    - Within 20 seconds of powering on the controller to bind/unbind the remote control.
2. OFF Button
    - Short press: Turns off the light.Long press: Within 20 seconds of powering on
    - On the controller, first turn off the light completely, then long-press the OFF button to clear all paired remote controllers.
3. Speed+/-
4. Timed 1/2H Delay-Off
5. Collected Effect Cycle
6. Mode+/-
7. Music+/-
8. Brightness+/-
9. Color+/-
10. Colour Select
    - W: White
    - Y/C/P: Yellow/Cyan/Purple
    - R/G/B: Red/Green/Blue

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.

Technical Parameters

Controllar

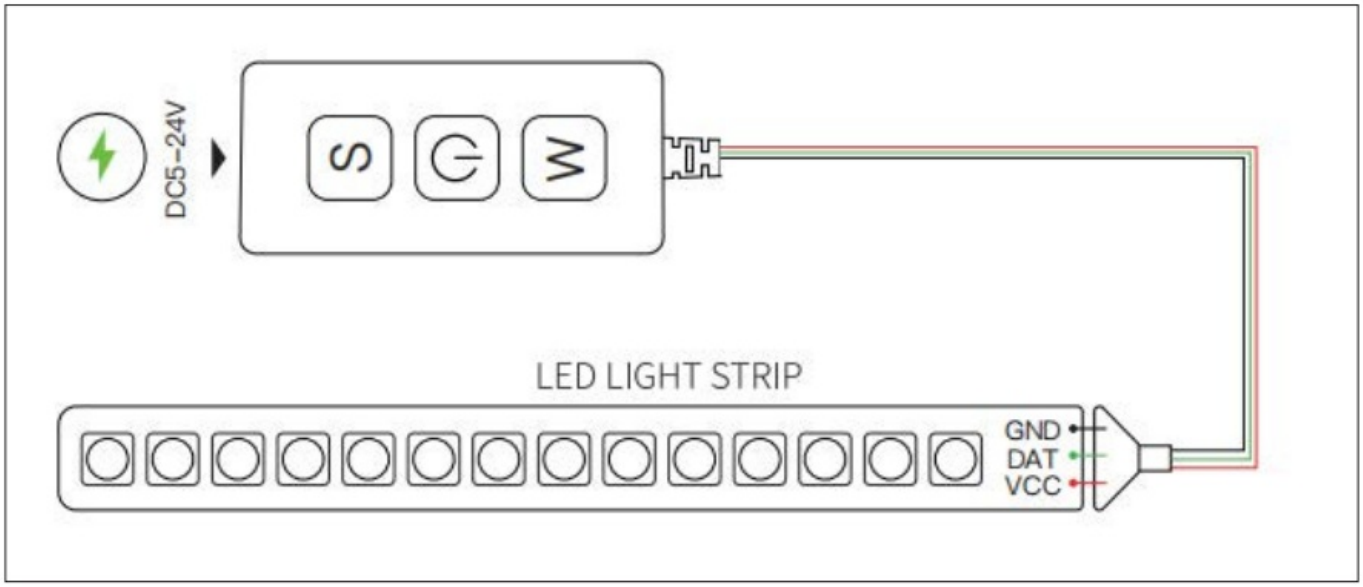
Working Voltage DC5V~24V	Working Current 14mA~42mA

Working Temp -10°C~60°C	Dimension 55mm*26mm*12mm not including wires

Remote

Operating Voltage: 3V (CR2025)	Static Current: 1ua
RF Frequency: 2.4G	Remote Control Distance: 30 meters
Remote Control Dimensions: 135 mm 48 mm 10 mm	

wiring



FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device under Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which

can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

Documents / Resources

	Dongguan SP548E SPI RGB IoT LED Controller [pdf] Instructions SP548E, 2BEVF-SP548E, 2BEVFSP548E, SP548E SPI RGB IoT LED Controller, SPI RGB IoT LED Controller, IoT LED Controller, LED Controller, Controller

References

- User Manual

Dongguan

2BEVF-SP548E, 2BEVFSP548E, controller, Dongguan, IoT LED Controller, LED Controller, SP548E, SP548E SPI RGB IoT LED Controller, SPI RGB IoT LED Controller

—Previous Post
Dongguan M12 2.4G Wireless Video Doorbell User Manual
Next Post—
Dongguan MA131 Flame Lamp Wireless Speaker User Manual

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.