



**SP113E 3CH PWM
RGB RF LED
Controller**



Sperll SP113E 3CH PWM RGB RF LED Controller Instructions

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Sperll SP113E 3CH PWM RGB RF LED Controller



Specifications:

- Product Name: SP113E 3CH PWM RGB RF LED Controller
- Control Type: 3CH PWM RGB Control
- Remote Control: 2.4G RF Remote Control (Model: RE3)
- Color Options: 16 Million Colors
- Dimming Technology: 16KHz PWM
- Control Distance: Up to 30 meters
- Timer Options: 30 minutes, 60 minutes, 90 minutes
- Memory Function: Power-down Memory

Product Usage Instructions

Setting Up the Controller:

Ensure the batteries are installed correctly according to polarity (+ and -). Always secure the battery compartment properly.

Using the Remote Control:

Short press to turn on the light. Long press within the 20s after powering on to bind/unbind the remote control.

Remote Control Buttons:

- Mode+: Cycle through lighting modes
- Mode-: Cycle through lighting modes in reverse
- Color+: Change to the next color
- Color-: Change to the previous color

- Brightness+/Brightness-: Adjust brightness levels
- Speed+/Speed-: Adjust the speed of dynamic light effects
- Timed Lights Off: Set a timer for turning off lights

Color Correction:

If color buttons do not match actual fixtures, adjust channel sequence. Successful correction indicated by white light breathing once.

Warning:

Remove and recycle batteries from unused equipment according to local regulations. Secure the battery compartment properly.





Frequently Asked Questions

- **Q: How far is the remote control range?**
 - A: The remote control has a range of up to 30 meters for easy light setting.
- **Q: Can multiple controllers be controlled by one remote?**
 - A: Yes, one remote can control multiple controllers.

Brief

SP113E 3CH PWM RGB LED Controller, with RE3 2.4G remote control. Built-in rich and diverse RGB color dynamic light effects, with 16 million color range. Utilizes 16KHz PWM high-frequency dimming technology to ensure smooth, even, and stable lighting.

Features

-  3CH PWM RGB Control
 - Independent control of RGB three colors, built-in a variety of dynamic light effects.
-  16KHz PWM
 - Utilizes 16KHz PWM high-frequency dimming technology to ensure smooth, even, and stable lighting.
-  2.4G RF Remote Control
 - Distance control up to 30 meters for quick and easy light setting.
-  Color Correction
 - The remote control allows for quick color correction, ensuring that the function of the remote control's color keys matches the actual color of the light.



- **16 Million Colors**
 - 16 million full-color color mixing, with a wealth of color options, with commonly used color gamut, to achieve rapid color mixing.



- **Collected Effect Cycle**
 - All lighting effects can be looped for added ambiance.



- **Timed Lights Off**
 - Support 30 minutes, 60 minutes, 90 minutes timer to turn off the light.

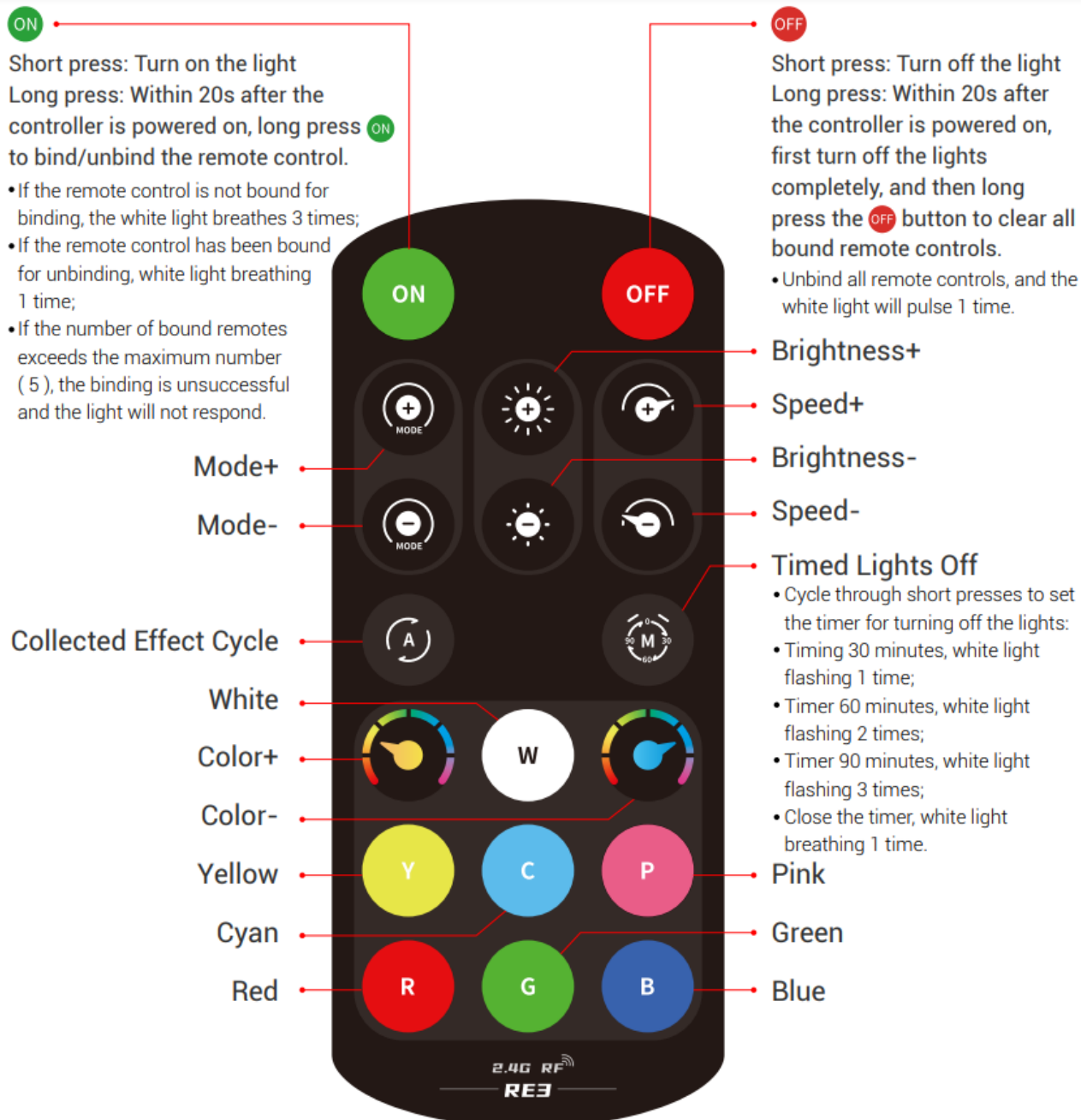


- **Power-down Memory**
 - Remember your last settings so you don't have to reset them the next time you use it.

Work With 2.4G Remote control

The 2.4G remote control model (RE3) is compatible with SP113E:

- 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.



Warning:

- Ensure the batteries are installed correctly according to polarity (+ and -);
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations;
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

Color Correction

- Due to the differences in the LED fixtures, if the color buttons on the remote control panel do not correspond to the actual fixtures, then the color correction can be made by adjusting the channel sequence;
- The white light breathes once when the modification is successful, and there is no sign if it fails.



Technical Parameters

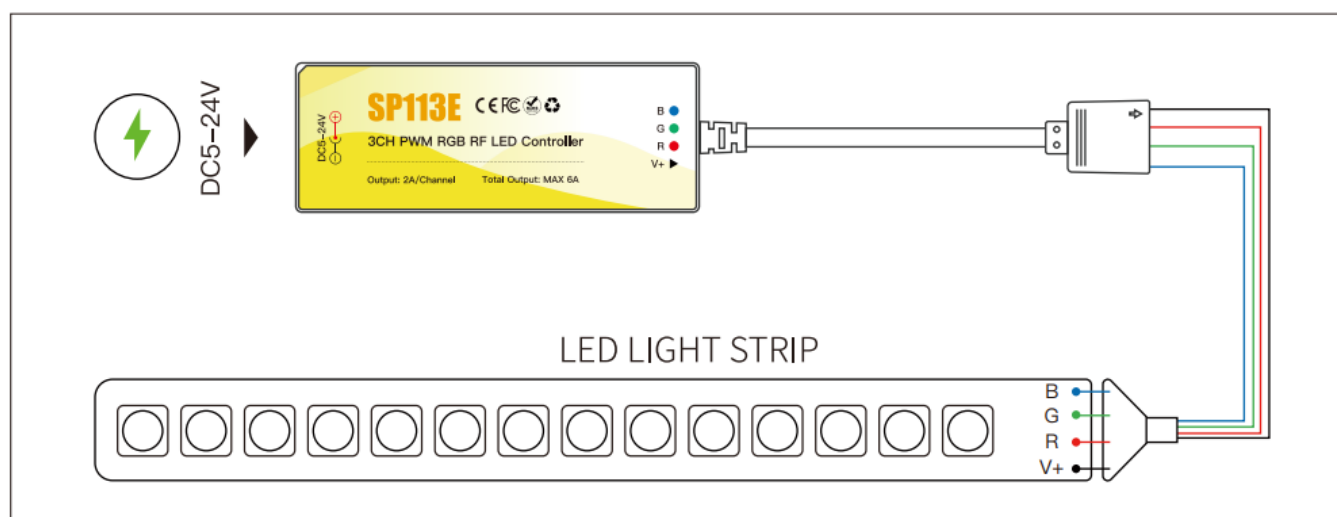
Controller Parameters

Working Voltage:	DC5V~24V	Working Current:	6mA~12mA
PWM Single Channel Maximun Output Current:	2A	PWM Total Maximun Output Current:	6A
Working Temp:	-10°C~60°C	Dimension:	56mm*21mm*12mm (Not including the wires)

Remote Control Parameters

Working Voltage:	3V(CR2025)	Static Current:	4uA
Transport:	2.4G	Remote Distance:	30M (Open space)
Dimension:	103mm*45mm*8.5mm		

Wiring



FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 in accordance with 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 the 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.

Caution: Any changes or modifications to this device not explicitly approved by the manufacturer could void your authority to operate this equipment. 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.

RF Exposure Information

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 20cm between the radiator and your body

Documents / Resources

 <p>SP113E Instructions 3CH PWM RGB RF LED Controller</p>	<p>Sperli SP113E 3CH PWM RGB RF LED Controller [pdf] Instructions SP113E, SP113E 3CH PWM RGB RF LED Controller, 3CH PWM RGB RF LED Controller, RGB RF LED Controller, LED Controller, Controller</p>
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References

- [User Manual](#)

[Manuals+](#). [Privacy Policy](#)

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