

SP113E Instructions

3CH PWM RGB RF LED Controller



1.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.

2.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 ambience.



Timed Lights Off

Support 30 minutes, 60 minutes, 90 minutes timer to turn off the light.



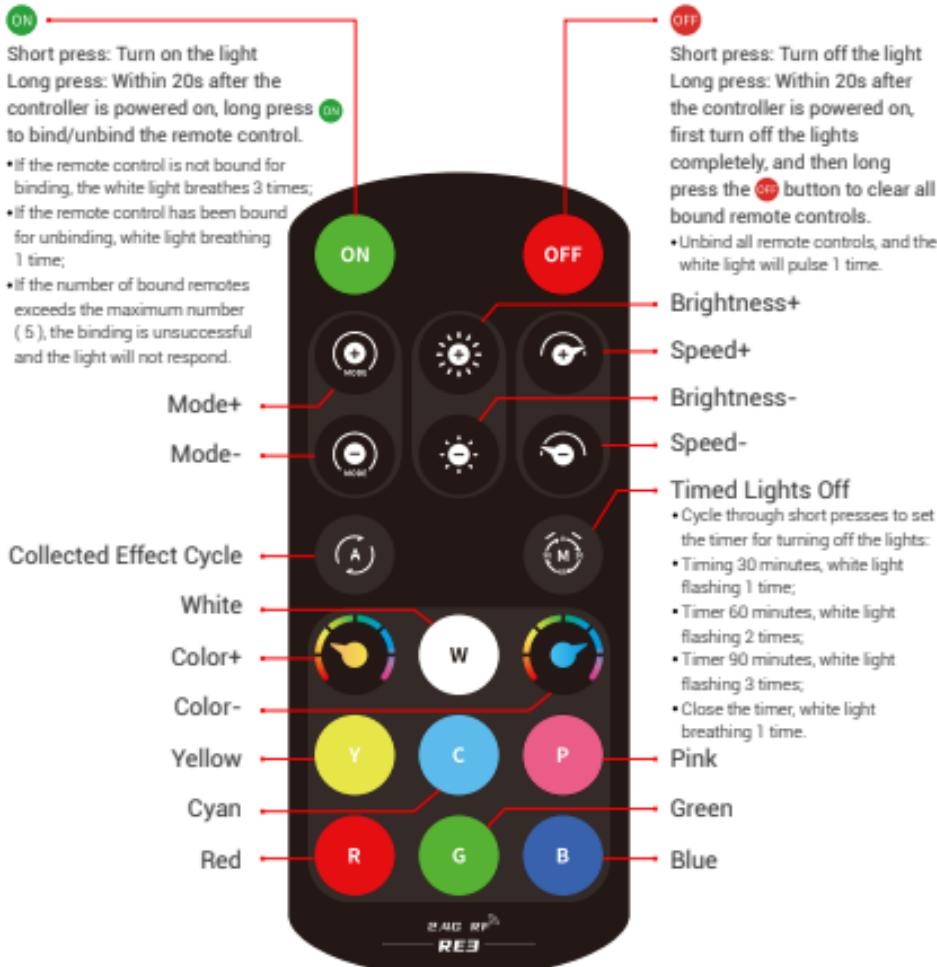
Power-down Memory

Remember your last settings so you don't have to reset them the next time you use it.

3. Work With 2.4G Remote Control:

The 2.4G remote control model (RE3) 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.

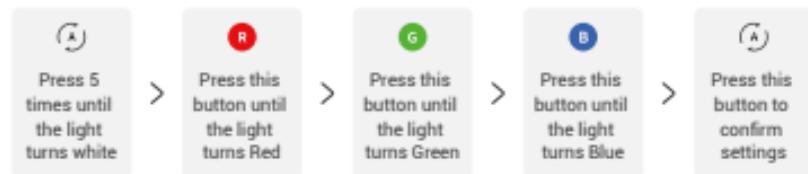


Warning:

- 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.

4. 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.



5. Technical Parameters:

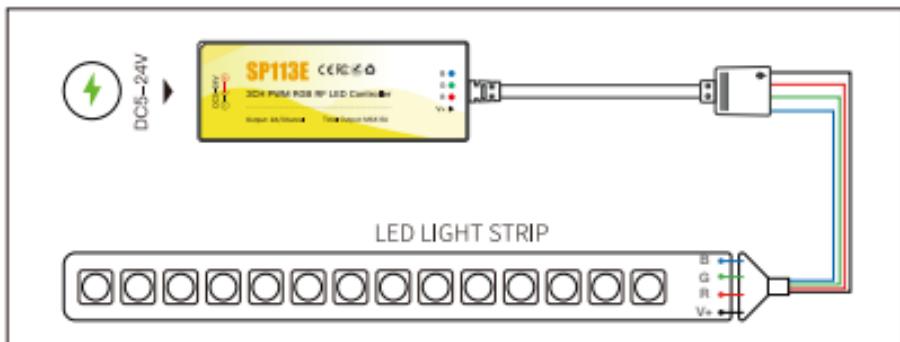
• Controller Parameters

Working Voltage:	DC5V~24V	Working Current:	6mA~12mA
PWM Single Channel Maximum Output Current:	2A	PWM Total Maximum 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		

6. 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 receiver.
- Connect the equipment into 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 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 minimum distance 20cm between the radiator and your body.