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HUSUKU ZJUS2-008-3

HUSUKU RS Series RGB CCT LED Controller Kit (R1+S1)

Model: ZJUS2-008-3

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your HUSUKU RS Series RGB CCT LED Controller Kit (R1+S1). This kit offers versatile control over LED lighting, supporting various output channels and smart home integration.

Product Overview

The HUSUKU RS Series RGB CCT LED Controller Kit consists of an S1 controller and an R1 remote control, forming a robust RS control system. It supports five different lighting channels: Single Color, Dual Color, RGB, RGBW, and RGB+CCT. The system also features 2.4G RF wireless control, Wi-Fi, Bluetooth, and compatibility with Smart Life APP, Amazon Alexa, and Google Assistant.



Figure 1: HUSUKU RS Series RGB CCT LED Controller Kit (R1+S1) components, including the R1 remote control and the S1 controller. The S1 controller features input/output terminals, a pilot lamp, and a SET button. The remote shows color selection, brightness, and zone controls.

Setup

1. Power Connection

Connect the 12-24V DC power supply to the input terminals of the S1 controller. Ensure correct polarity (V+ and V-).

▶ **Watch video online**

RS LED Control Series-How to Configure RF WIFI BT Controller

Video 1: Demonstrates how to connect the 12-24V power supply to the S1 controller. This video also covers lamp wiring and linking to the remote and app.

2. 5-in-1 Lamp Wiring

The S1 controller supports five different output channels. Connect your LED lights to the corresponding output terminals on the S1 controller based on your light type (Single Color, Dual Color, RGB, RGBW, RGB+CCT).



Figure 2: Illustration of the S1 controller's output terminals and the five supported LED strip types: RGB CCT, RGBW, RGB, CCT, and Dimmer. The 'SET' button allows switching between these modes.

Operating Instructions

1. R1 Remote Control Functions

The R1 remote control provides comprehensive control over your LED lights. Familiarize yourself with the button functions:

- **Master ON/OFF:** Turns all linked lights on or off.
- **Color Ring:** Selects from 16 million colors.
- **Color Temperature Saturation Control:** Adjusts the saturation of the selected color.

- **Brightness Dimming:** Adjusts light brightness (1024 levels).
- **Saving Mode (SL, W, SS):** Selects predefined saving modes.
- **Speed Down/Up (S-, S+):** Adjusts the speed of dynamic modes.
- **Mode (M):** Cycles through various lighting modes.
- **Zone ON (I) / Zone OFF (O):** Controls individual zones (1-4) for linking/unlinking.

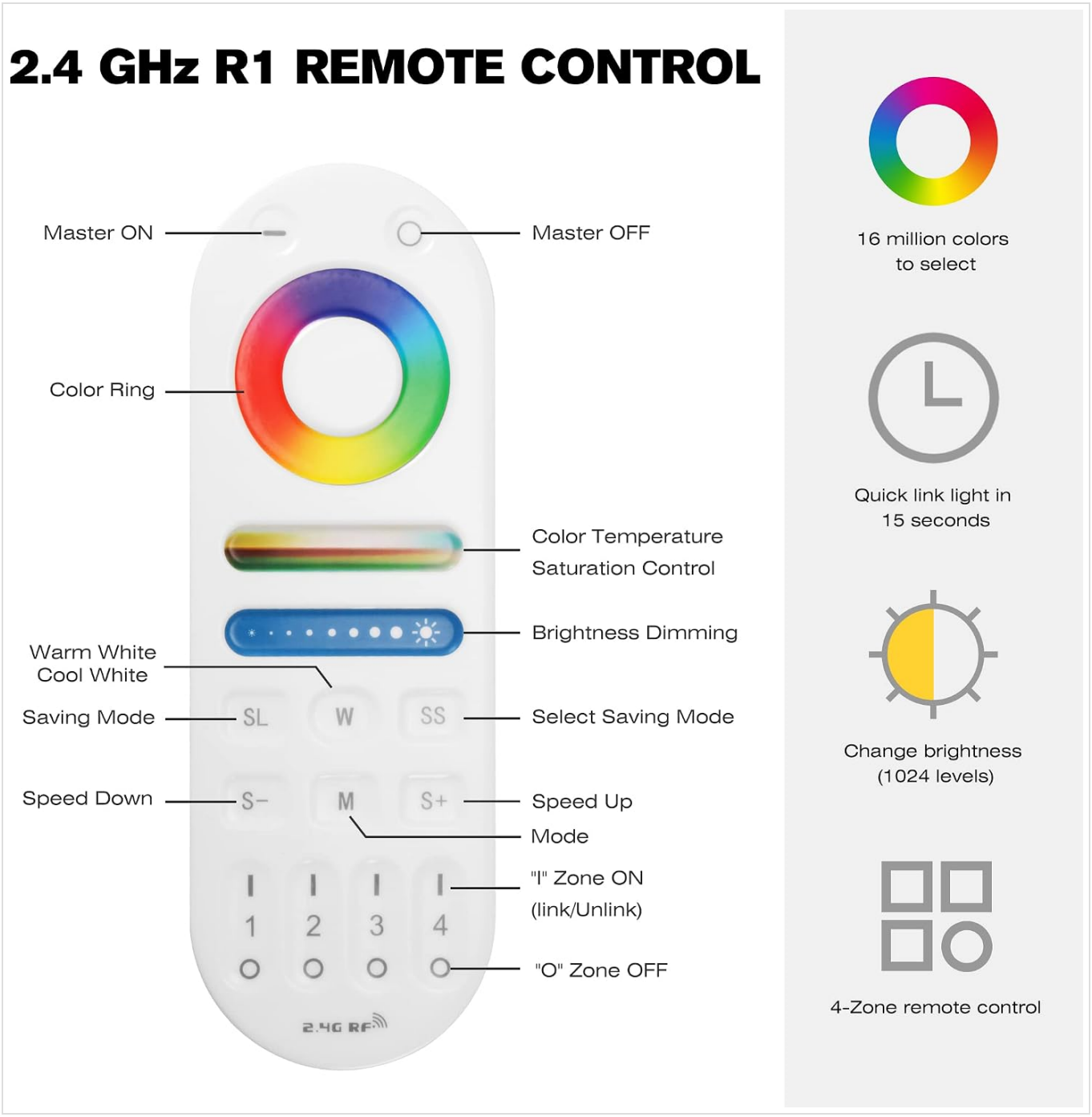

Figure 3: Detailed layout of the R1 remote control, highlighting its various functions for color, brightness, mode, and zone control.

2. Linking R1 Remote to S1 Controller

1. Switch off the S1 controller. Wait for 10 seconds.
2. Switch on the S1 controller again.
3. Within 3 seconds of turning on the S1 controller, quickly press any zone's 'I' button on the R1 remote 3 times.
4. The light will blink 3 times slowly, indicating successful linking.

3. Unpairing R1 Remote from S1 Controller

1. Turn off the S1 controller. Wait for 10 seconds.
2. Turn on the S1 controller again.
3. Within 3 seconds of turning on the S1 controller, short press the ON button of the R1 remote's corresponding zone "I" 5 times.
4. The light controlled by S1 will flash 10 times quickly, indicating successful unpairing. (Unpairing must be done for the same zone that was linked).



Figure 4: Visual guide for linking the R1 remote to the S1 controller, illustrating the power cycle and button press sequence.

4. Switching Output Modes

The "SET" button on the S1 controller allows you to switch between different output modes (Single Color, Dual Color, RGB, RGBW, RGB+CCT). The pilot lamp will flicker in a specific color corresponding to the selected mode.

Output Mode Indicators

Mode	Pilot Lamp Flicker
Single Color	White Light Flickering

Mode	Pilot Lamp Flicker
Dual White Mode	Yellow Light Flickering
RGB Mode	Red Light Flickering
RGBW Mode	Green Light Flickering
RGB+CCT Mode (Default)	Blue Light Flickering

5. WiFi & Bluetooth Smart Control

The S1 controller supports Smart Life APP control, Amazon Alexa, Google Assistant, and Siri voice control, as well as Bluetooth remote control. Bluetooth control becomes available after linking via Wi-Fi.

1. Scan the QR code on the controller or visit your device's APP store to download and log in to the "Smart Life" APP.
2. Long press the "SET" button on the controller for 3 seconds.
3. When the red pilot lamp blinks, the device enters Link/Unlink mode.
4. Click the "+" in the upper right corner of the Smart Life APP "home" screen to search for a controller, enter the Wi-Fi password, and complete the addition.

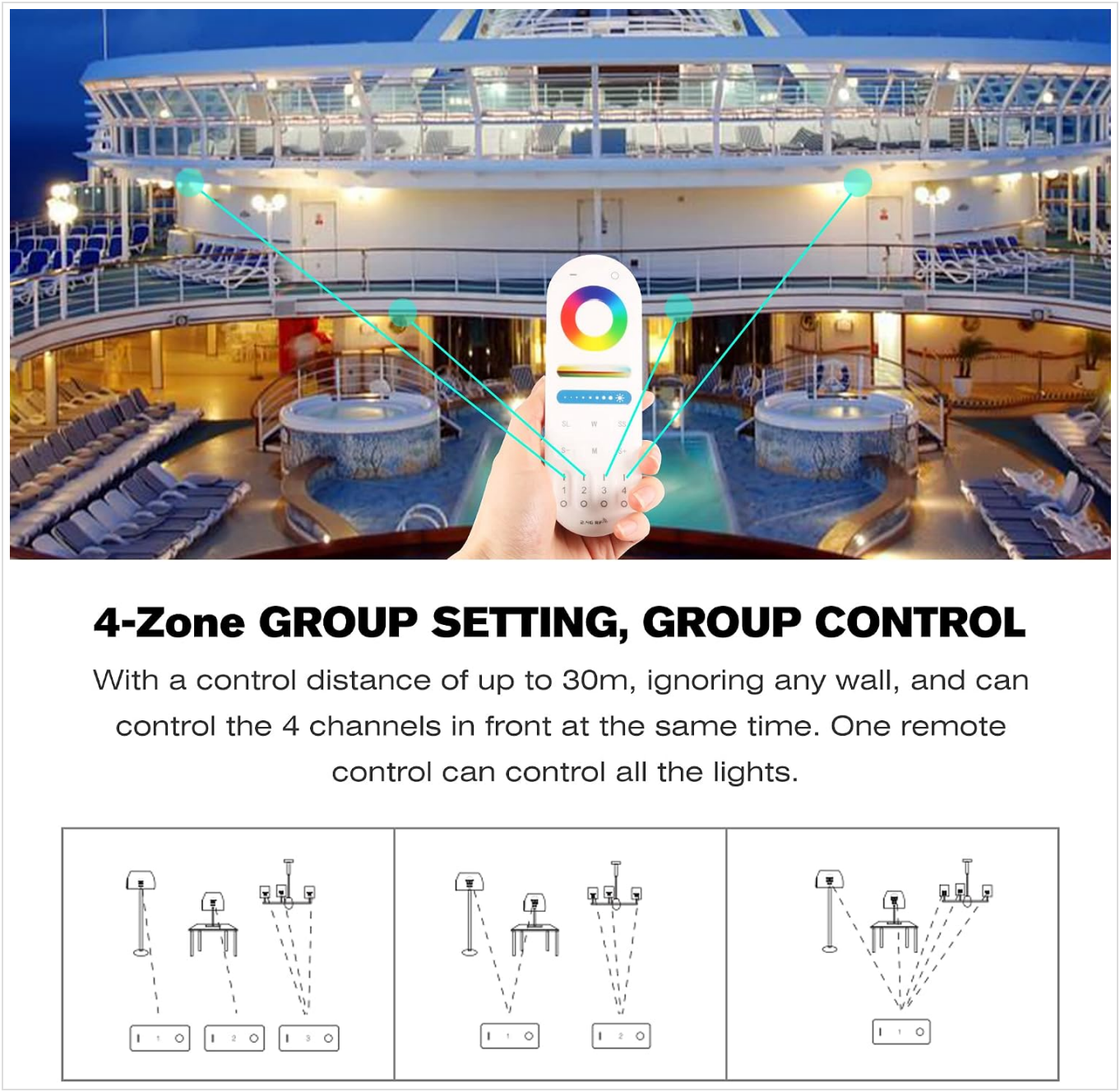

Figure 5: The Smart Life app interface demonstrating voice control compatibility with Amazon Alexa, Google Assistant, and Siri. Download the Smart Life app: https://smartapp.tuya.com/smartlife

6. 4-Zone Group Control

The R1 remote control can manage up to 4 independent zones. With a control distance of up to 99 feet, it can ignore walls and control all 4 channels simultaneously. One remote can control multiple controllers.

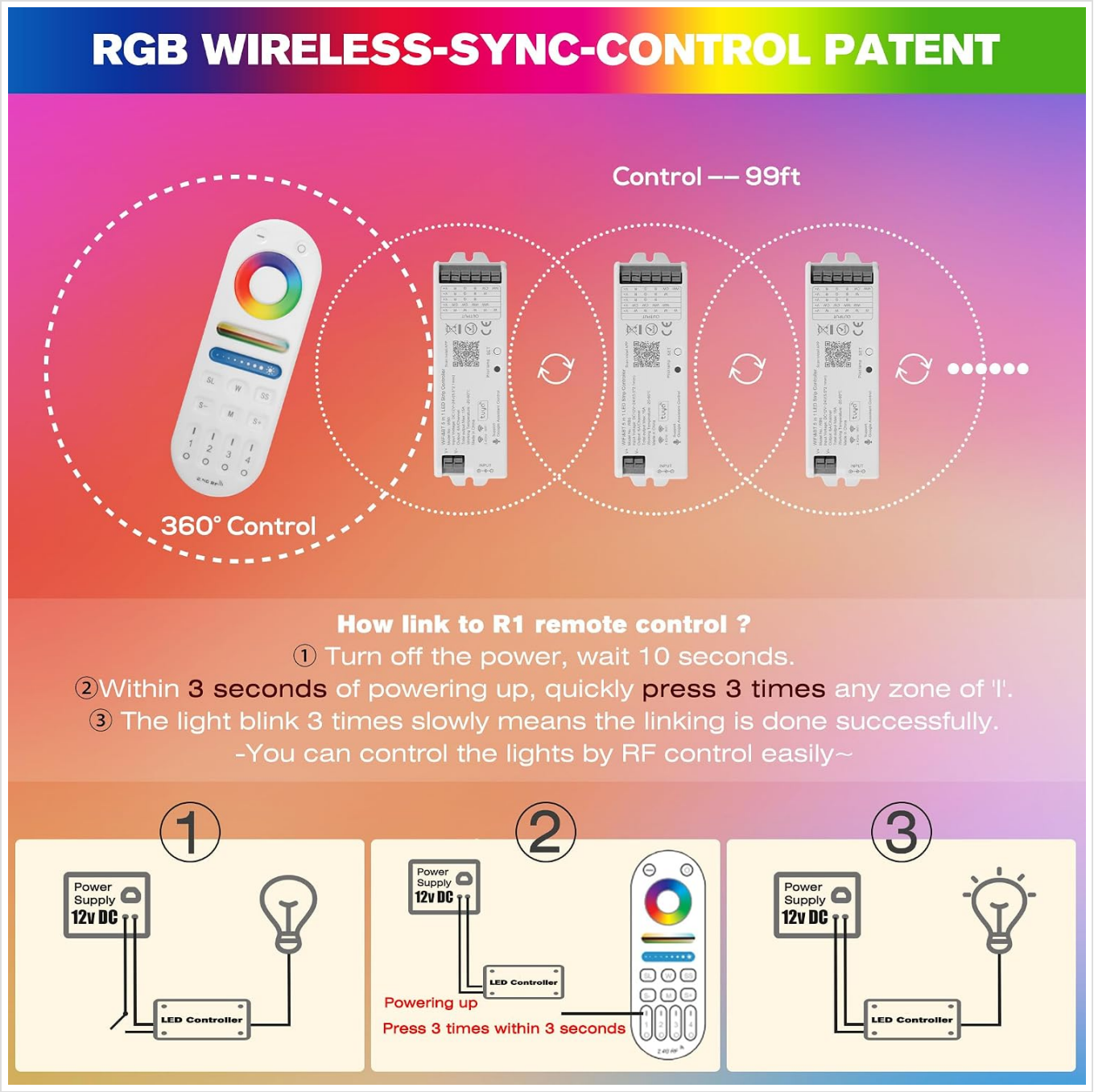

Figure 6: Depicts the wireless synchronization and 360-degree control capability of the R1 remote with multiple S1 controllers, extending control distance indefinitely.

Maintenance

To ensure optimal performance and longevity of your HUSUKU RS Series RGB CCT LED Controller Kit, follow these maintenance guidelines:

- Keep the controller and remote clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the devices to extreme temperatures, high humidity, or direct water contact, as the S1 controller is not water resistant.
- Ensure all wiring connections are secure and free from corrosion. Periodically check for loose connections.
- Store the remote control in a safe place when not in use to prevent accidental damage.

Troubleshooting

If you encounter issues connecting or using the Smart Life APP, please check the following conditions:

1. **APP Access:** Verify that the APP access address is not prohibited or blocked by your network.
2. **Connection Mode:** Ensure the controller is in the correct connection mode. Long press the controller's "SET" button until the red indicator flashes.
3. **Wi-Fi Password:** Double-check that the Wi-Fi password entered is correct.
4. **Network Frequency:** Confirm that your mobile phone is connected to a 2.4GHz Wi-Fi network. 5GHz networks are not supported for initial connection.
5. **Signal Strength:** The controller may be too far away from the router, resulting in poor network signal. Try moving the controller closer to the router or using a Wi-Fi extender.

Specifications

Feature	Detail
Brand	HUSUKU
Model	ZJUS2-008-3 (R1+S1 Kit)
Input Voltage	12-24V DC
Total Output Max	15A
Output Channels	5-in-1 (Single Color, Dual Color, RGB, RGBW, RGB+CCT)
Connectivity Technology	Wi-Fi, Bluetooth, 2.4G RF
Control Compatibility	Smart Life APP, Amazon Alexa, Google Assistant, Siri
Remote Control Included	Yes (R1)
Item Weight	1.6 ounces
Item Dimensions (L x W x H)	1 x 1 x 1 inches
Water Resistance Level	Not Water Resistant
Working Temperature	-20 to 60°C

Warranty

The HUSUKU RS Series RGB CCT LED Controller Kit (R1+S1) comes with a 3-year manufacturer's warranty. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official HUSUKU website or contact customer support.

Support

For further assistance, technical support, or inquiries regarding your HUSUKU RS Series RGB CCT LED Controller Kit, please visit the official HUSUKU store or contact their customer service. You can find more information and resources on the HUSUKU Amazon Store.

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