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> [Vrabcry](#) /

> [Vrabcry Tuya WiFi Smart Controller DC5-24V RGBW LED Strip User Manual](#)

Vrabcry Tuya WiFi rgb

Vrabcry Tuya WiFi Smart Controller (RGBW) User Manual

Model: Tuya WiFi rgb | Brand: Vrabcry

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Vrabcry Tuya WiFi Smart Controller for RGBW LED strips. This controller enables smart control of your LED lighting through the Smart Life application and voice assistants like Amazon Alexa and Google Home.

2. PRODUCT SPECIFICATIONS

- **Voltage:** DC5V-24V
- **Output:** Max. 0-6A/Channel, Total output Max.15A
- **Controller Type:** RGBW (4 channels)
- **Control App:** Smart Life
- **Control Signal:** WiFi
- **Supported Systems:** Amazon Alexa, Google Home, IFTTT, AliGenie, DuerOS, Rokid, Mi
- **Material:** Plastic
- **Indoor/Outdoor Usage:** Indoor
- **Special Feature:** Dimmable

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1x WiFi Strip Controller (RGBW)
- 1x User Manual

4. SAFETY INFORMATION

Please read and follow these safety guidelines to prevent damage to the product or injury:

- Ensure the power supply voltage matches the controller's requirements (DC5V-24V).
- Do not expose the controller to moisture or extreme temperatures.
- Disconnect power before making any connections or disconnections.
- This product is designed for indoor use only.
- Keep out of reach of children.

5. SETUP AND INSTALLATION

5.1 Physical Connection

Properly connect the controller to your RGBW LED strip and power supply. Ensure correct polarity for all connections.



Image 1: Wiring diagram for the RGBW controller, LED strip, and power supply.

1. Connect the 4-pin output of the WiFi controller to the corresponding 4-pin input of your RGBW LED strip. Ensure the V+, R, G, B, W pins on the controller align with the V+, R, G, B, W connections on the LED strip.
2. Connect a DC5V-24V power adapter to the DC input port of the WiFi controller.

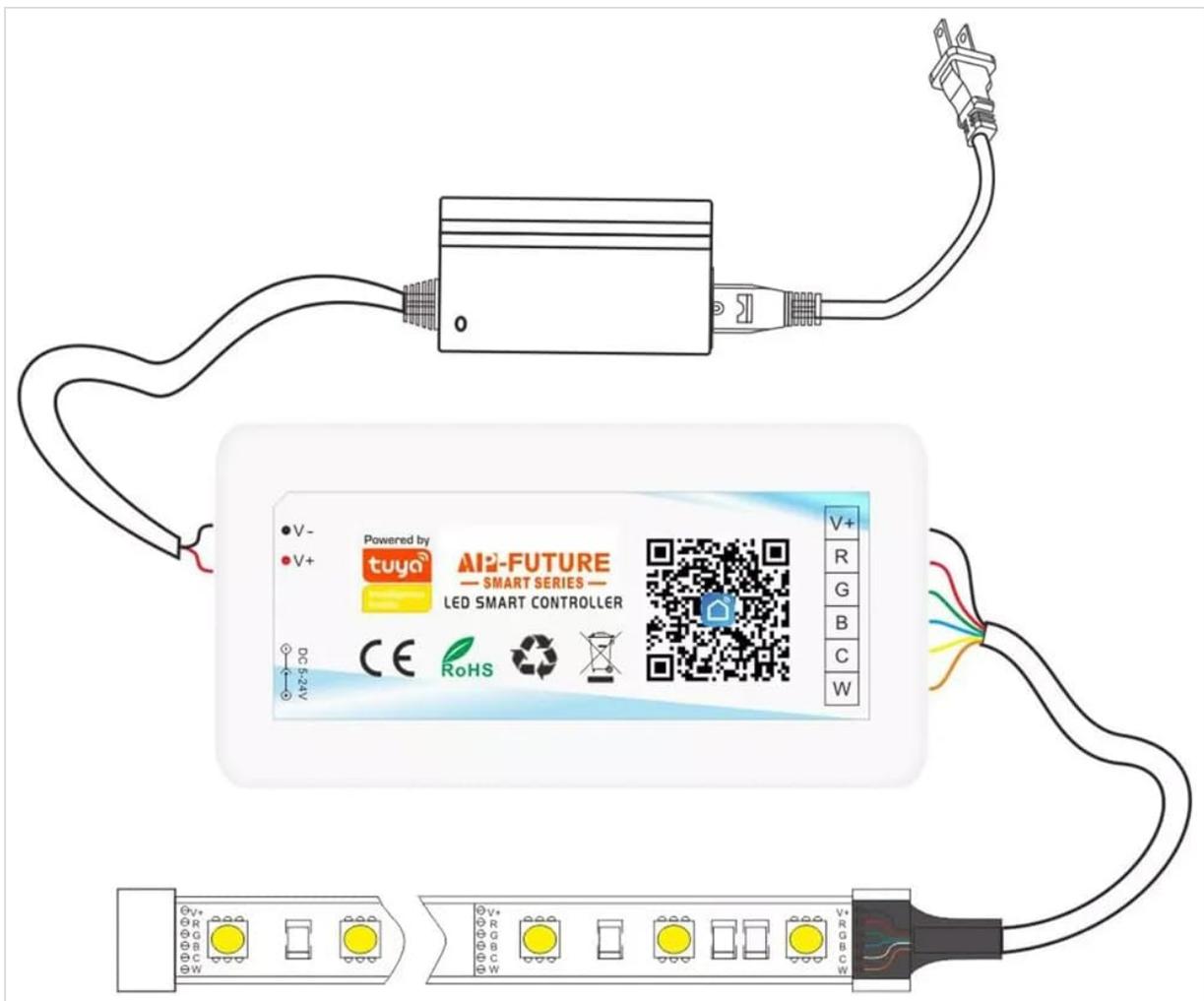


Image 2: Interface specifications showing DC Power input and LED output.

The controller supports various LED strip types. Ensure your controller variant matches your LED strip type (e.g., RGBW controller for RGBW strip).

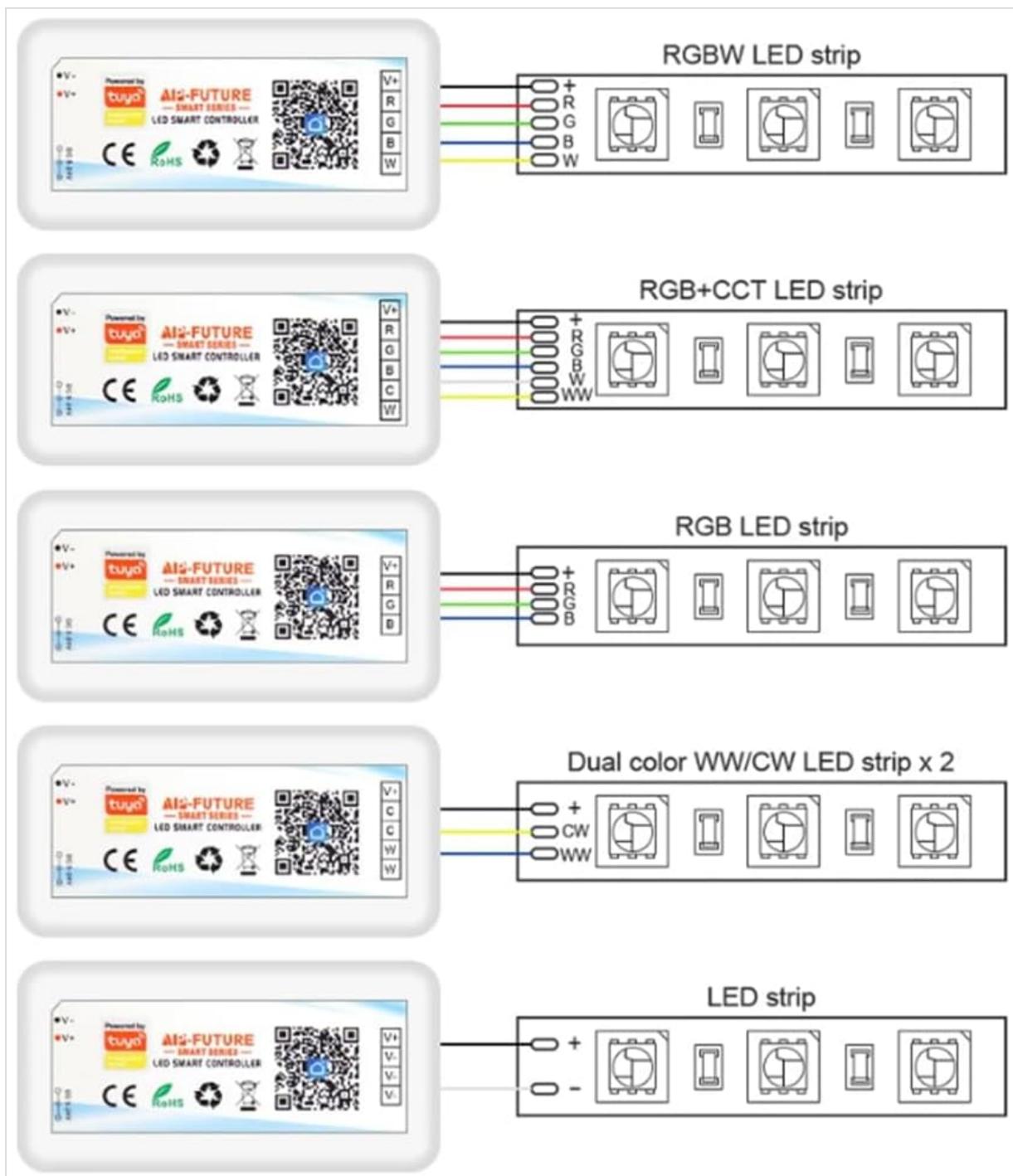


Image 3: Examples of controller connections for different LED strip types.

5.2 App Download and Installation

To control your LED strip, you need to download the Smart Life application:

1. Search for "Smart Life" in your mobile device's app store (Google Play Store for Android or Apple App Store for iOS).
2. Alternatively, scan the QR code provided in the product packaging or visit the official Smart Life app download page: <https://smartapp.tuya.com/smartlife>.
3. Download and install the application.
4. Register or log in to your Smart Life account.

5.3 Device Pairing

Once the app is installed and you are logged in:

1. Ensure your WiFi controller is powered on and within range of your 2.4GHz Wi-Fi network.

2. Open the Smart Life app.
3. Click on "Direct connect the device control" or the "+" icon to add a new device.
4. Follow the on-screen instructions in the app to connect the controller to your Wi-Fi network. This typically involves putting the device into pairing mode (often indicated by a blinking light) and entering your Wi-Fi credentials.
5. Once successfully paired, you can rename the device for easier identification.

6. OPERATING INSTRUCTIONS

6.1 Using the Smart Life App

After successful pairing, you can control your LED strip via the Smart Life app:

- **Color Adjustment:** Select from a wide range of colors for your RGBW LED strip.
- **Brightness Control:** Adjust the brightness level to your preference (dimnable feature).
- **Scene Modes:** Choose from pre-set scenes or create custom lighting effects.
- **Scheduling/Timer:** Set schedules for your lights to turn on/off or change modes at specific times.

6.2 Voice Control

The controller supports voice control through Amazon Alexa and Google Home. To enable this:

1. Link your Smart Life account to your Amazon Alexa or Google Home app.
2. Discover devices in your Alexa/Google Home app.
3. Once discovered, you can use voice commands such as:
 - "Alexa, turn on [Device Name]"
 - "Hey Google, set [Device Name] to blue"
 - "Alexa, dim [Device Name] to 50%"

7. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

- **Device not connecting to Wi-Fi:**
 - Ensure your Wi-Fi network is 2.4GHz. The controller does not support 5GHz networks.
 - Check that the Wi-Fi password entered is correct.
 - Move the controller closer to your Wi-Fi router.
 - Reset the controller (refer to app instructions for specific reset procedure) and try pairing again.
- **LED strip not lighting up:**
 - Verify all physical connections (power, controller to strip) are secure and correct.
 - Ensure the power adapter is functioning and providing the correct voltage.
 - Check if the LED strip itself is functional by testing it with a known working power source if possible.
- **Voice control not working:**
 - Confirm that your Smart Life account is correctly linked to Alexa/Google Home.
 - Ensure the device is discovered and named appropriately in your voice assistant app.

- Check your internet connection.

8. MAINTENANCE

To ensure the longevity and optimal performance of your Vrabocry Tuya WiFi Smart Controller:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the controller to direct sunlight or high humidity.
- Do not attempt to open or repair the device yourself, as this will void the warranty.

9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty terms, please refer to the documentation provided with your purchase or contact Vrabocry customer support. If you require technical assistance or have questions not covered in this manual, please reach out to the seller or manufacturer directly.