Aubric LED Controller-W2

Smart WiFi LED Controller User Manual

Model: LED Controller-W2
Brand: Aubric

INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your Aubric Smart WiFi LED Controller. This device enables wireless control of RGB LED strip lights via a smartphone application, voice commands through Alexa or Google Home, and integration with IFTTT. It offers features such as color adjustment, brightness control, music synchronization, group control, and timer functions.

Image: Two Aubric Smart WiFi LED Controllers, showing their compact design and connectors.

SAFETY INFORMATION

- Ensure the power supply voltage matches the controller's requirements (12-24V DC).
- Do not expose the controller to moisture or extreme temperatures.
- Always disconnect power before making any connections or disconnections.
- This controller is designed for use with 4-pin RGB LED strip lights. Ensure your LED strip is compatible.
- Keep out of reach of children.

PACKAGE CONTENTS

The package includes the following items:

- 2 x WiFi Controller
- 2 x 4-pin Connector

Image: Contents of the package, showing the two WiFi controllers and the included 4-pin connectors.

SPECIFICATIONS

Feature	Detail
Brand	Aubric
Model Number	LED Controller-W2
Color	RGB (Red, Green, Blue)
Indoor/Outdoor Usage	Outdoor
Special Feature	Wireless
Light Source Type	LED
Power Source	DC

Feature	Detail
Light Color	Multicolor
Material	Metal
Controller Type	App Control
Voltage	12 Volts (DC)
Wattage	100 watts
Item Weight	1.2 ounces (0.03 Kilograms)
Number of Items	2
Control Method	App
Water Resistance Level	Water Resistant
UPC	751450699183

SETUP

Important Notes Before Installation

- This WiFi controller is designed for RGB LED Strip lights only. The LED strip light is **not included**.
- This controller works exclusively with 4-pin LED strip lights. A 4-pin connector is included.
- A 12V DC power supply is required for this WiFi controller and is **not included**. It works with 5-24V DC power supplies with a standard connector size of 5.5 x 2.1mm jack.

How to connect wifi controller

12-24V DC Plug   4Pin Connectors

Please connect all parts well before you plug in the power supply, otherwise it will take risk of the light strip burning out.

The connect between the WiFi controller and light strip must be in towards to the arrows.

How to set up controller with you network

Step 1. Install the App to your phone.
Search for "Magic Home Pro" on the App Store or Google Play Store, or scan the QR code below to download it. Please follow the app guide to create an account.

Step 2. Connect your phone to your home wifi 2.4GHz network.
Important: This device only works with 2.4G network. If your router provides both 2.4G and 5G network, please temporarily turn off the 5G wifi.

Step 3. Power on the LED light strip with the wifi controller connected correctly. Now the lights should starts blink.
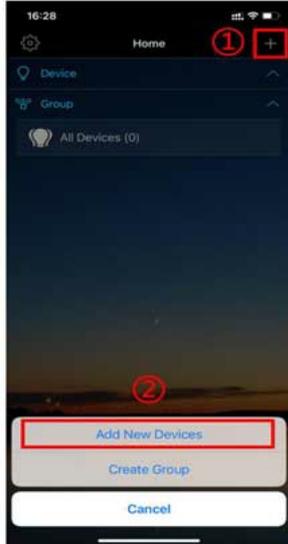
Image: Visual guide highlighting that the LED strip and power supply are not included, and specifying the required power connector size.
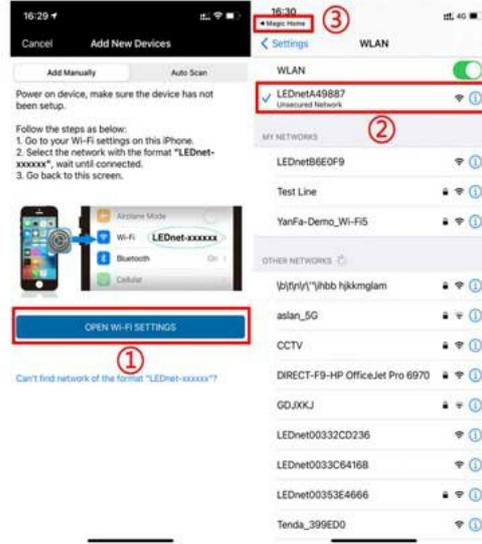
Connecting the WiFi Controller

1. Ensure all components (LED strip, controller, power supply) are disconnected from power before making connections.

2. Connect the 4-pin connector from the LED strip to the WiFi controller. Ensure the arrows on both the controller and the LED strip connector are aligned. Misalignment can cause damage or malfunction.

3. Connect the DC power supply to the WiFi controller's input jack.

4. Once all connections are secure, plug in the power supply. The lights should begin to blink, indicating the controller is ready for network setup.

Step 4. Open the Magic Home Pro app and click the "+" button in the upper right corner, then select "Add New Devices".

Step 5. Open phone wifi settings interface and connect to the "LEDnetxxxxx" signal. If it reminds your to turn on bluetooth function, please allow it.

① Follow the screen promot, tap "open wifi settings" of your phone.

② Select the "LEDnetxxxxx" Wi-Fi signal which comes from our smart wifi controller.

③ When connected successfully, go back to the Magic Home Pro app.

Image: Step-by-step visual instructions for connecting the WiFi controller to the LED strip and power, highlighting the importance of arrow alignment.
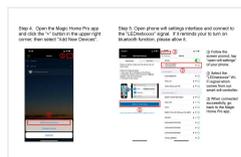
Image: Detailed view of the 4-pin connector and controller, illustrating the correct arrow alignment for connection.

Setting Up the Controller with Your Network (Magic Home App)

1. **Download the App:** Search for "Magic Home Pro" on the App Store (iOS) or Google Play Store (Android), or scan the QR code below to download.
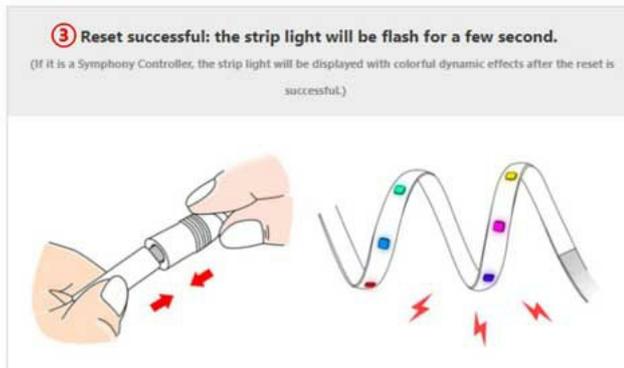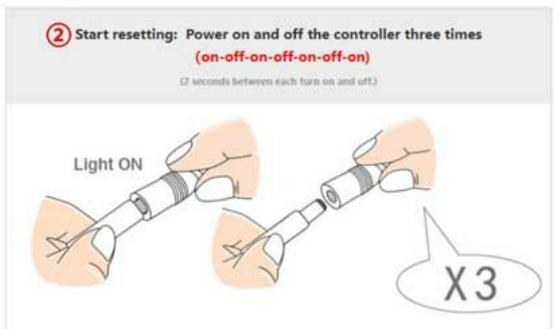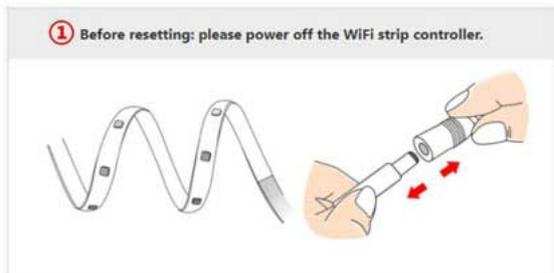

Scan this QR code to download the Magic Home Pro app.

Alternatively, download from: [Magic Home Pro App Download](#)

2. **Connect to Controller's Wi-Fi:** Power on the LED light strip with the WiFi controller. The lights should start blinking. Open your phone's Wi-Fi settings and connect to the "LEDnetxxxxxx" signal. If prompted, turn on Bluetooth.

3. **Add New Device in App:** Open the Magic Home Pro app. Tap the "+" button in the upper right corner, then select "Add New Devices".

4. **Connect to Home Network:** In the app, select your home Wi-Fi network (2.4GHz only; temporarily turn off 5GHz if your router provides both) and enter the correct Wi-Fi password.

5. **Setting Completion:** Once connected, the "LEDnetxxxxxx" signal will disappear. Enter a device name and click "complete". You can now use the app to change light strip color, brightness, and other settings.

Note: if you can not find "LEDnetxxxxx" Wi-Fi signal, you need reset the wifi controller. Here is how to reset it:

① Before resetting: please power off the WiFi strip controller.

② Start resetting: Power on and off the controller three times
(on-off-on-off-on-off-on)
(2 seconds between each turn on and off.)

Light ON

X3

③ Reset successful: the strip light will be flash for a few second.
(If it is a Symphony Controller, the strip light will be displayed with colorful dynamic effects after the reset is successful.)
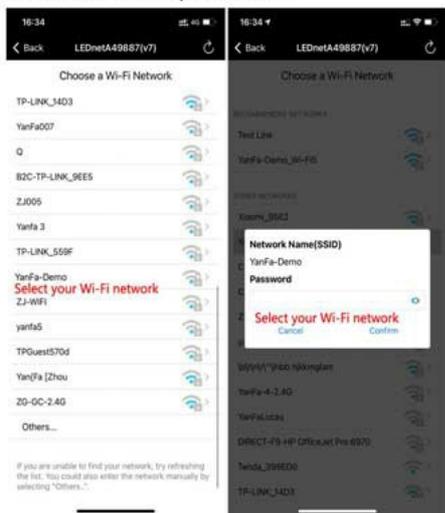
Now, go back to your phone wifi settings, you will get "LEDnet xxxx" wifi signal.

If still not, please try to restart the phone wifi and wait for the automatic refresh.

Image: App screenshots guiding through the process of adding a new device and connecting to your home Wi-Fi network.

Step 6. Connect to your home network.
Select your home network in the Wi-Fi list and enter the correct Wi-Fi password.

Note: After this step, the "LEDnetxxxxx" signal will disappear. If the Wi-Fi router password you input is incorrect, the smart device have to be reset before reconfiguration again.

Step 7. Setting Completion.
Enter the device name and click "complete". Now you can use the app to change the light strip color or have the light dance with music.

Note: If the light color turns out to be opposite, for example when you want red, but it lights up green, please have the 4 pin connector insert to the end side of the light strip.

Image: Further app screenshots demonstrating Wi-Fi network selection and the initial control interface after successful setup.

OPERATING INSTRUCTIONS

Magic Home App Control

The Magic Home Pro app provides comprehensive control over your LED strip lights:

- **Color Control:** Select from 16 million colors, adjust intensity, and choose various patterns. You can also store up to 5 custom-created colors and brightness levels.
- **Music Synchronization:** The lights can beat and change colors in sync with music played on your phone, ideal for creating party or ambient atmospheres.
- **Group Control:** Control multiple LED strips simultaneously by naming each strip in the app and organizing them into different groups.
- **Timer Mode:** Utilize timer functions to schedule lights to turn on/off, or to set specific ambient moods at different times of the day.
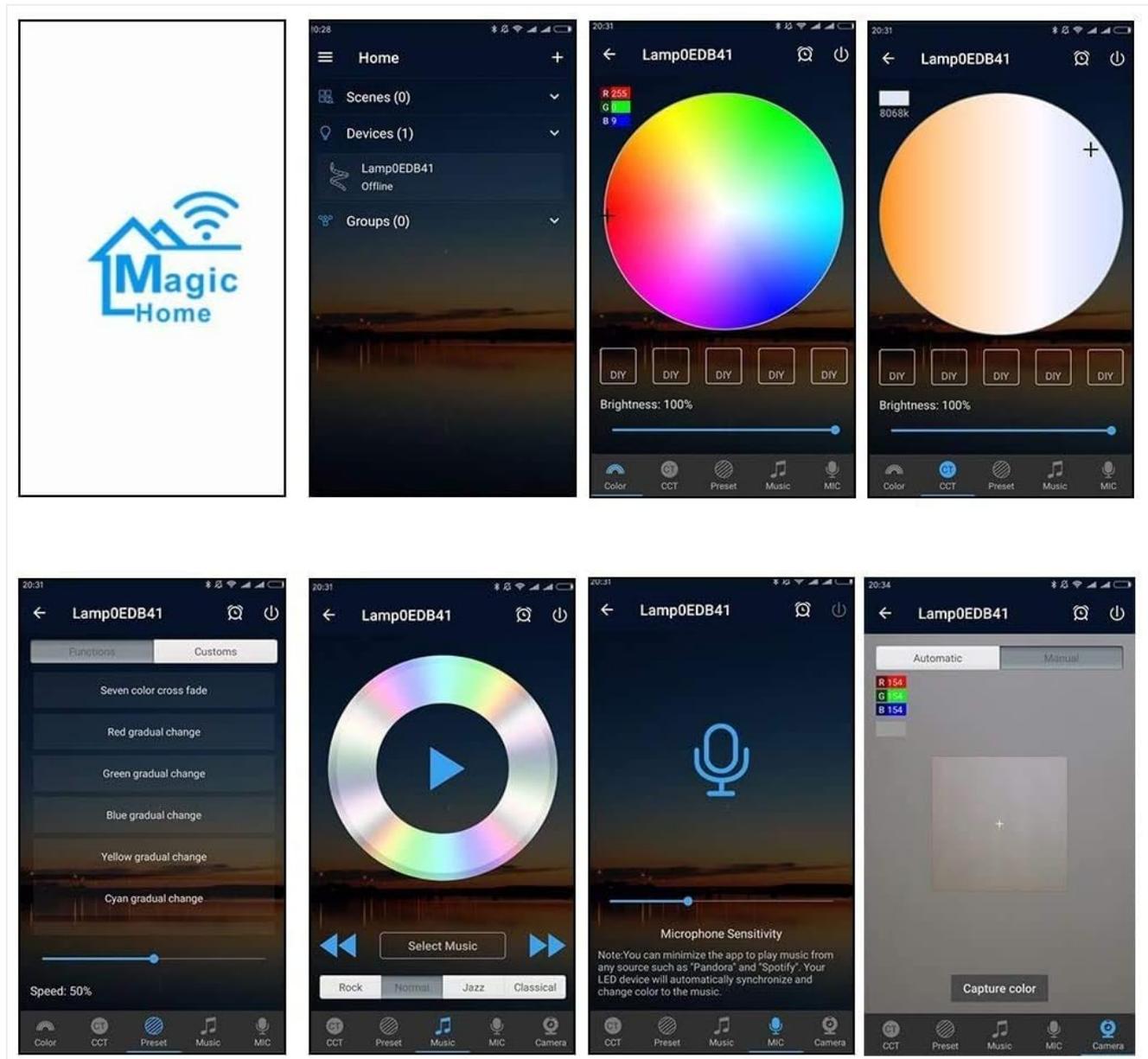

Image: Various screenshots of the Magic Home Pro app interface, demonstrating color selection, music mode, and custom lighting effects.

Image: An overview of the WiFi controller, the Magic Home app on a smartphone, and examples of LED strips illuminated in various colors (red, green, blue, white).
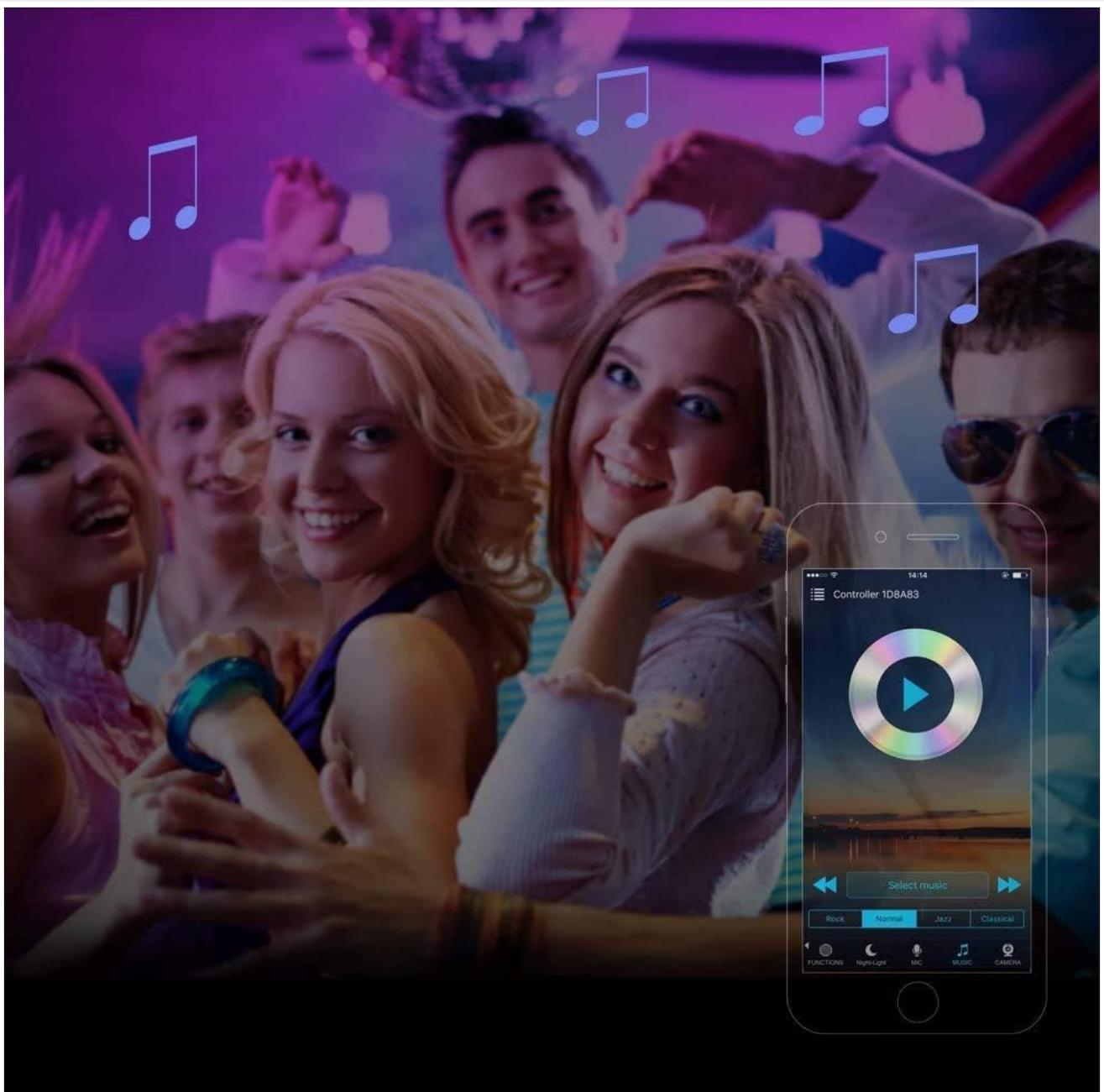
Image: Depiction of the music synchronization feature, showing LED lights changing in rhythm with music during a social gathering.

Voice Control Integration

The controller is compatible with Amazon Alexa and Google Home. Once integrated, you can use voice commands to:

- Turn lights on/off.
- Change brightness levels.
- Adjust colors.

It also supports IFTTT (If This Then That) for creating custom automation routines based on various events.

Working Modes

The wireless LED controller supports two working modes:

- **Hotspot Mode:** Use this mode when outdoors or in locations without a Wi-Fi network (e.g., car, boat). The controller creates its own Wi-Fi hotspot for direct connection from your smartphone.
- **Home Wi-Fi Mode:** Connect the controller to your home Wi-Fi router for remote control of your lights from anywhere with internet access.

Maintenance

- Keep the device clean by wiping it with a dry, soft cloth.

- Avoid using harsh chemicals or abrasive cleaners.

- Ensure proper ventilation around the controller to prevent overheating.

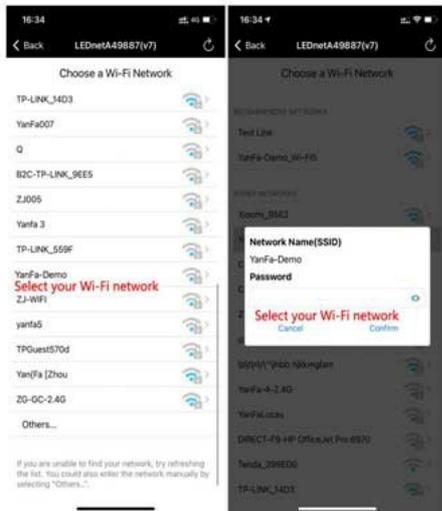- Store the controller in a dry environment when not in use for extended periods.

Troubleshooting

Cannot Find "LEDnetxxxxxx" Wi-Fi Signal

If you are unable to find the controller's Wi-Fi signal during setup, you may need to reset the WiFi controller:

1. Before resetting, ensure the WiFi strip controller is powered off.

2. To start the reset process, power the controller on and off three times (ON-OFF-ON-OFF-ON-OFF-ON). Each turn should be approximately 2 seconds apart.

3. Upon successful reset, the strip light will flash for a few seconds.

4. Go back to your phone's Wi-Fi settings, and the "LEDnetxxxxxx" Wi-Fi signal should now be visible. If not, restart your phone's Wi-Fi and wait for automatic refresh.

Image: Visual guide for resetting the WiFi controller by cycling power three times.

Lights Not Displaying Correct Colors or Functioning

- **Check Arrow Alignment:** Ensure the 4-pin connector from the LED strip is correctly aligned with the arrow on the WiFi controller. If the light color turns out to be opposite (e.g., you want red, but it lights up green), please re-insert the 4-pin connector to the end side of the light strip, ensuring arrow alignment.

- **GRB vs. RGB Compatibility:** This controller is designed for "GRB" light strips. Before purchase, ensure your light strip is GRB. If your strip is RGB, it may not function correctly.

The remote can only be used for "GRB" light strip
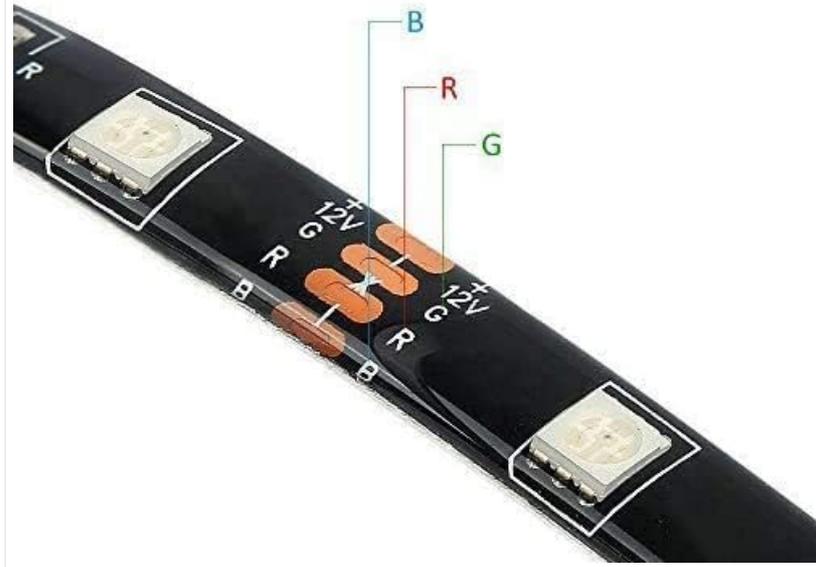Before you buy it , please first make sure your light strip is "GRB"

Image: Close-up of an LED strip showing the GRB (Green, Red, Blue) configuration, important for compatibility.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact Aubric customer service. Refer to your purchase documentation for specific warranty terms and contact details.
You can also visit the official Aubric store for more information: Aubric Store on Amazon