

GIDERWEL C04RF

GIDERWEL 2.4GHz Wireless LED Controller with 4 Zone Remote Control Kit

Model: C04RF

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GIDERWEL 2.4GHz Wireless LED Controller with 4 Zone Remote Control Kit. This system is designed to control RGBW LED strip lights, offering dimming, color changing, and multi-zone control capabilities.

Package Contents:

- 2x RGBW LED Controllers (Model C04RF)
- 1x RF Remote Control (requires 2x AAA batteries, not included)
- 1x Mounting Bracket for Remote Control

2. PRODUCT OVERVIEW

The GIDERWEL 2.4GHz Wireless LED Controller system allows for flexible and convenient control of your RGBW LED lighting. It features a 4-zone remote control, enabling independent or synchronized control of multiple LED strip segments.



Image: The GIDERWEL RGBW LED Controller and its accompanying 4-zone RF remote control.

Key Features:

- **4-Zone Remote Control:** Independently manage LED lights in up to four distinct areas.
- **Group Control:** Pair multiple controllers to a single remote for simultaneous control of all connected LED strips.
- **2.4G Wireless Transmitting:** Controllers can relay signals to other controllers within 98 feet (30 meters), extending the effective control range.
- **Dimmable and Color Changing:** Access 16 million colors and pure white light, with adjustable brightness for each color.
- **Wide Voltage Support:** Compatible with DC5V, DC12V, and DC24V LED strip lights.

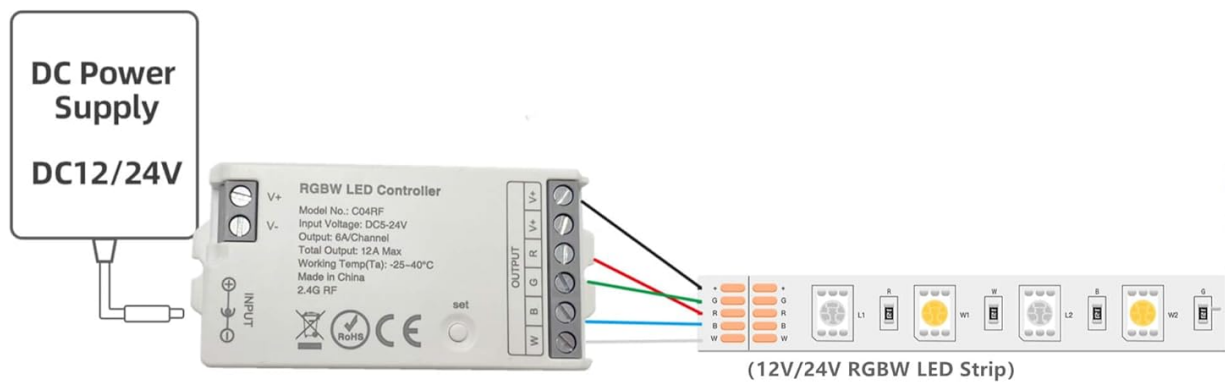
3. SETUP

3.1 Wiring Guide

Ensure all power is disconnected before wiring. The controller supports DC5V-DC24V input. The DC power socket is 5.5mm*2.5mm. Connect your RGBW LED strip to the output terminals, matching the V+, R, G, B, and W connections.



How to Connect More LED Strip Light&Wiring Guide



Connect 16.4ft-32.8ft RGBW LED Light Strip

Image: Detailed wiring diagram showing connection of a DC power supply and an RGBW LED strip to the controller. Input is DC 5.5mm x 2.1mm plug or high power wired terminals. Output is 4 channel 5 wire for 6A/CH.

Important: The voltage of your power supply must match the voltage requirement of your LED strip (e.g., use a DC12V power supply for a 12V LED strip).

3.2 Pairing the Remote Control with the Controller

To link the remote control to a controller, follow these steps:

1. Ensure the LED strip is connected to the controller and the controller is powered off.
2. Switch off the power to the LED controller. Wait for 10 seconds.
3. Switch on the power to the LED controller.
4. Within 3 seconds of powering on, short press the 'I' (Zone ON) button on the remote control 3 times for the desired zone (1, 2, 3, or 4).
5. The LED strip will flash 3 times slowly, indicating successful linking.

Your browser does not support the video tag.

Video: Demonstration of pairing the GIDERWEL RF remote control with an LED controller. The video shows the steps of

powering off, waiting, powering on, and pressing the 'I' button three times to link the devices.

To unlink, repeat the process, but press the 'I' button 5 times quickly. The LED strip will flash 5 times quickly to confirm unlinking.

4. OPERATING INSTRUCTIONS

4.1 Remote Control Functions

Familiarize yourself with the buttons on the RF remote control:

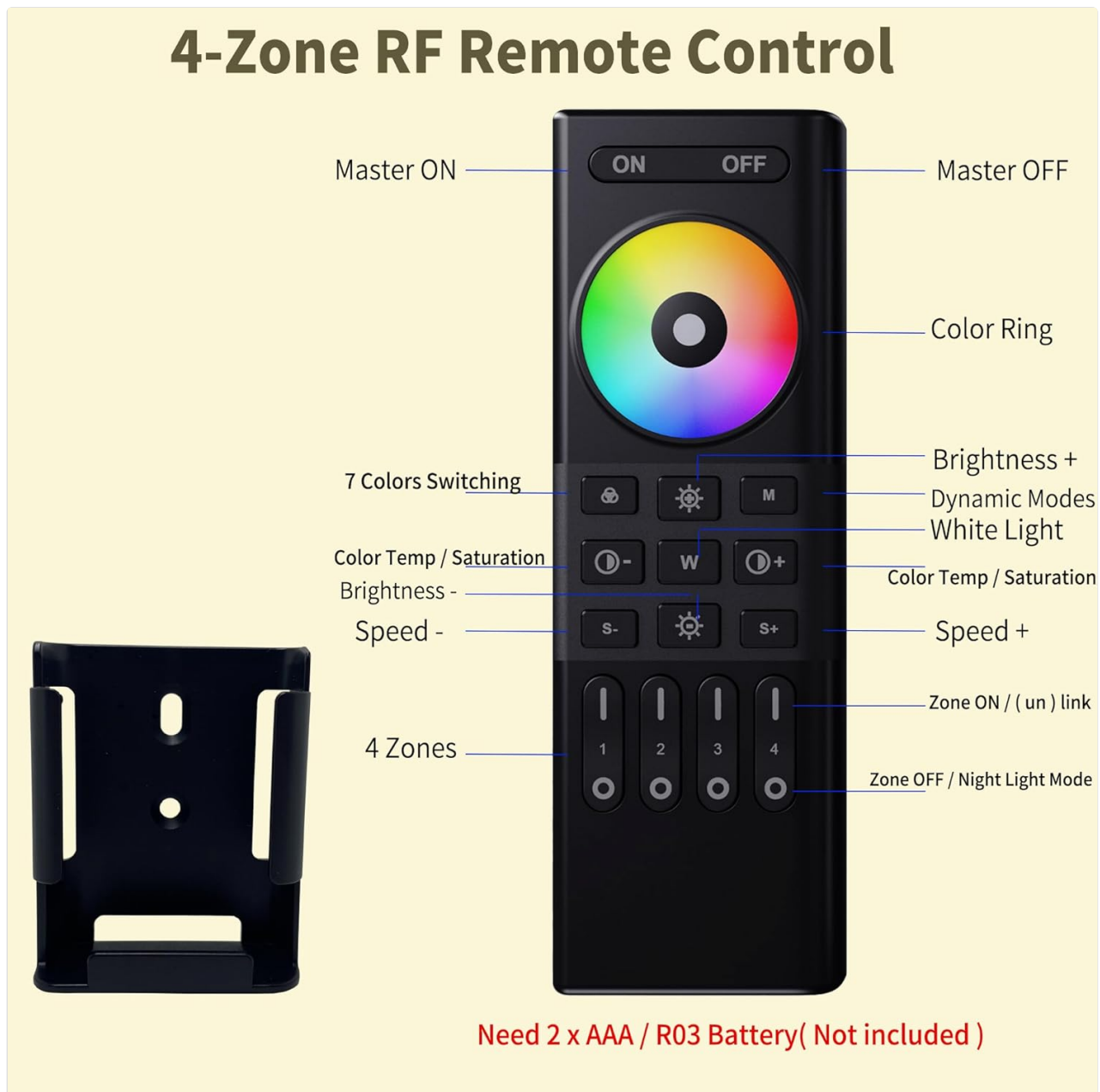


Image: Diagram of the 4-Zone RF Remote Control, labeling buttons such as Master ON/OFF, Color Ring, Brightness +/-, Dynamic Modes, White Light, Color Temp/Saturation, Speed +/-, and Zone ON/OFF buttons.

- **Master ON/OFF:** Turns all linked lights on or off.
- **Color Ring:** Touch to select desired color.
- **Brightness +/-:** Adjusts the brightness level.

- **M (Dynamic Modes):** Cycles through various dynamic lighting modes.
- **W (White Light):** Activates pure white light mode.
- **Color Temp / Saturation:** Adjusts color temperature or saturation depending on the mode.
- **Speed +/-:** Adjusts the speed of dynamic modes.
- **Zone 1-4 ON/OFF:** Independently turns on/off or links/unlinks specific zones.

4.2 4-Zone Control

The remote allows you to control up to four independent zones. Each zone can have one or more controllers linked to it. This enables you to manage lighting in different rooms or areas separately.



Image: An illustration of a house floor plan divided into four zones (bedroom, dining room, kids room, living room), showing how one remote can control LED lights in these separate areas.

4.3 Group Control

To control multiple controllers simultaneously, link them all to the same zone on your remote. Alternatively, use the Master ON/OFF button to control all zones at once.

Group Control

One remote control can control all LED lights(C04RF Controller)
at the same time



Image: An exterior view of a house with LED lights in various colors, demonstrating how one remote control can manage all connected LED lights (C04RF Controllers) at the same time.

4.4 Dimming and Color Change

Use the color ring on the remote to select from 16 million colors. Press the 'W' button for pure white light. Adjust brightness using the Brightness +/- buttons. The system allows for fine-tuning of both color and intensity to create desired lighting moods.

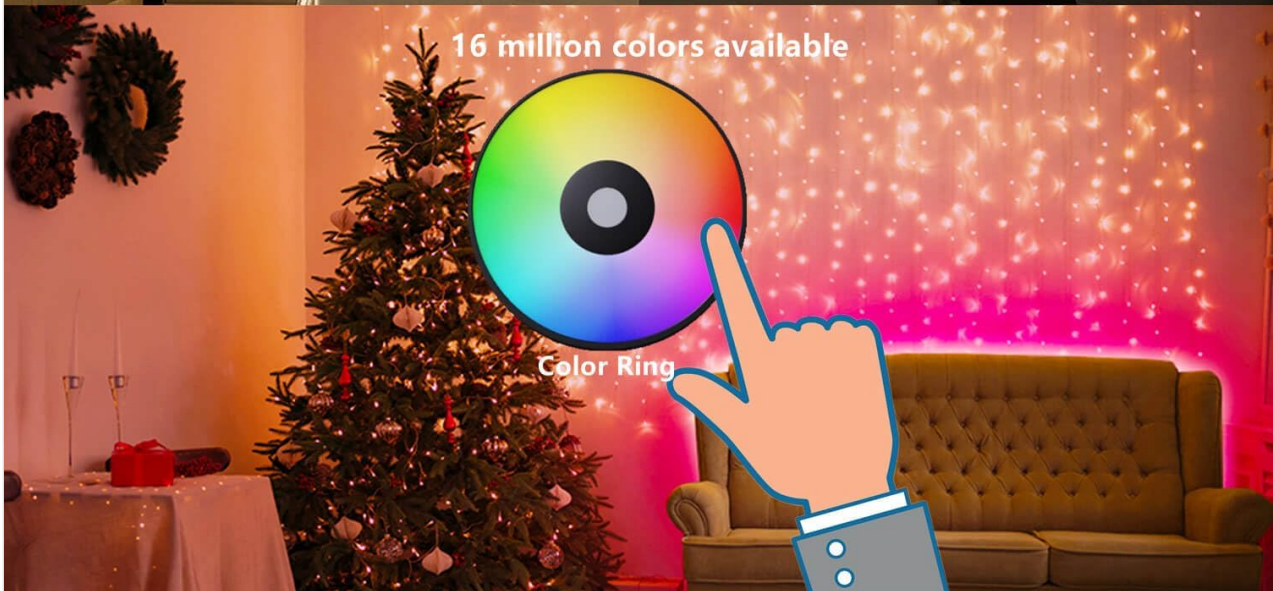
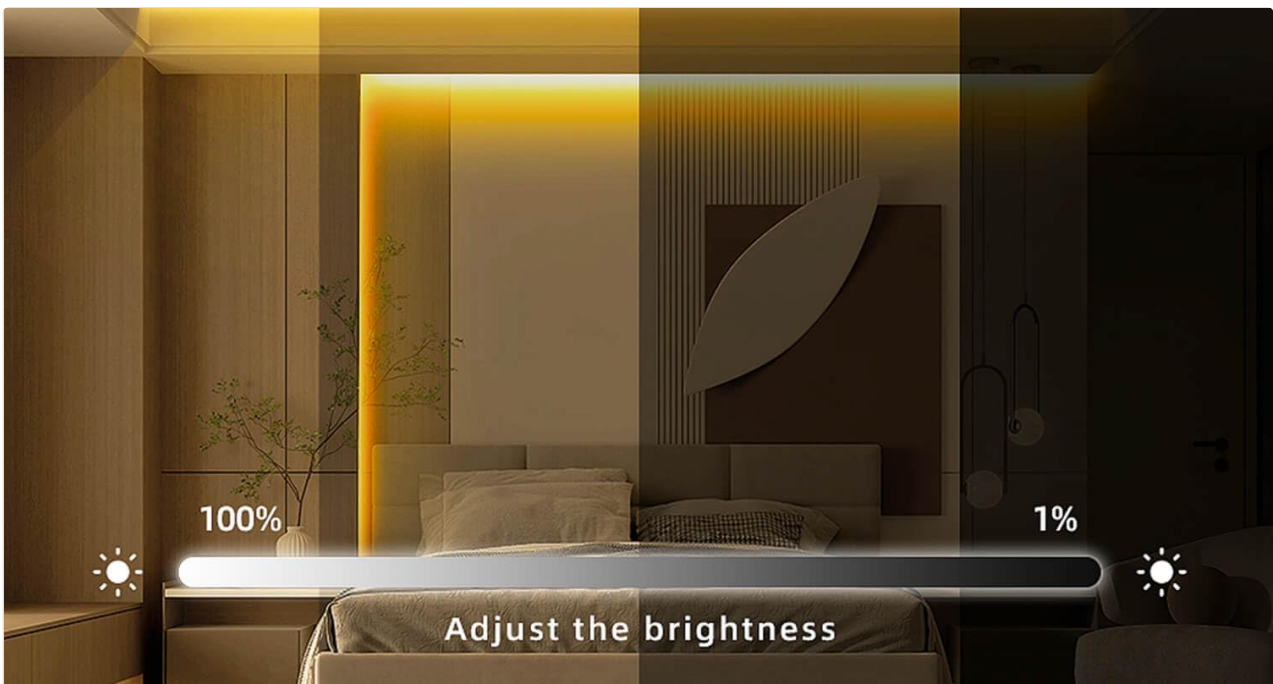


Image: A bedroom setting illustrating the dimming capability from 100% to 1% brightness, and a color wheel graphic indicating 16 million colors available for selection.

5. MAINTENANCE

The GIDERWEL LED Controller and Remote Kit require minimal maintenance. Keep the devices clean and dry. Avoid exposing them to extreme temperatures or humidity. Replace remote control batteries (2x AAA) as needed.

6. TROUBLESHOOTING

- Lights not responding:

- Check if the remote control batteries are installed correctly and have sufficient charge.
 - Ensure the controller is properly powered and the LED strip is securely connected.
 - Verify that the remote is correctly paired with the controller (refer to Section 3.2).
 - Ensure the remote is within range of the controller.
- **Incorrect colors or partial lighting:**
 - Confirm that the LED strip is an RGBW type and not just RGB, as this controller is designed for RGBW.
 - Check all wiring connections between the LED strip and the controller for proper polarity and secure contact. Loose or incorrect wiring can cause color discrepancies.
- **Intermittent control:**
 - Reduce obstacles between the remote and the controller.
 - Ensure no other 2.4GHz devices are causing interference.

7. SPECIFICATIONS

Feature	Specification
Brand	GIDERWEL
Model Name	C04RF
Color	RGBW
Connectivity Technology	Radio Frequency (2.4GHz)
Input Voltage	DC5V-DC24V
Max Output Current	6A/Channel, Total 12A Max
Max Number of Supported Devices	4 (Zones)
Maximum Range	98 Feet (30 meters)
Remote Battery Type	AAA (2 required)
Controller Dimensions	Approx. 75mm x 33mm x 15mm (2.95in x 1.3in x 0.6in)

8. WARRANTY AND SUPPORT

This GIDERWEL product comes with a **1-Year Warranty** from the date of purchase. For technical support, warranty claims, or further assistance, please contact GIDERWEL customer service through your retailer or visit the official GIDERWEL website.

