LGIDTECH FUT037S+

LGIDTECH FUT037S+ 3-in-1 LED Strip Controller User Manual

Model: FUT037S+ | Brand: LGIDTECH

Introduction

This manual provides detailed instructions for the LGIDTECH FUT037S+ 3-in-1 LED Strip Controller. This versatile controller is designed to work with RGB, RGBW, and RGB+CCT LED strip lights, offering multiple control options including remote, smartphone app, and voice control (via a separate gateway). Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.

Product Overview

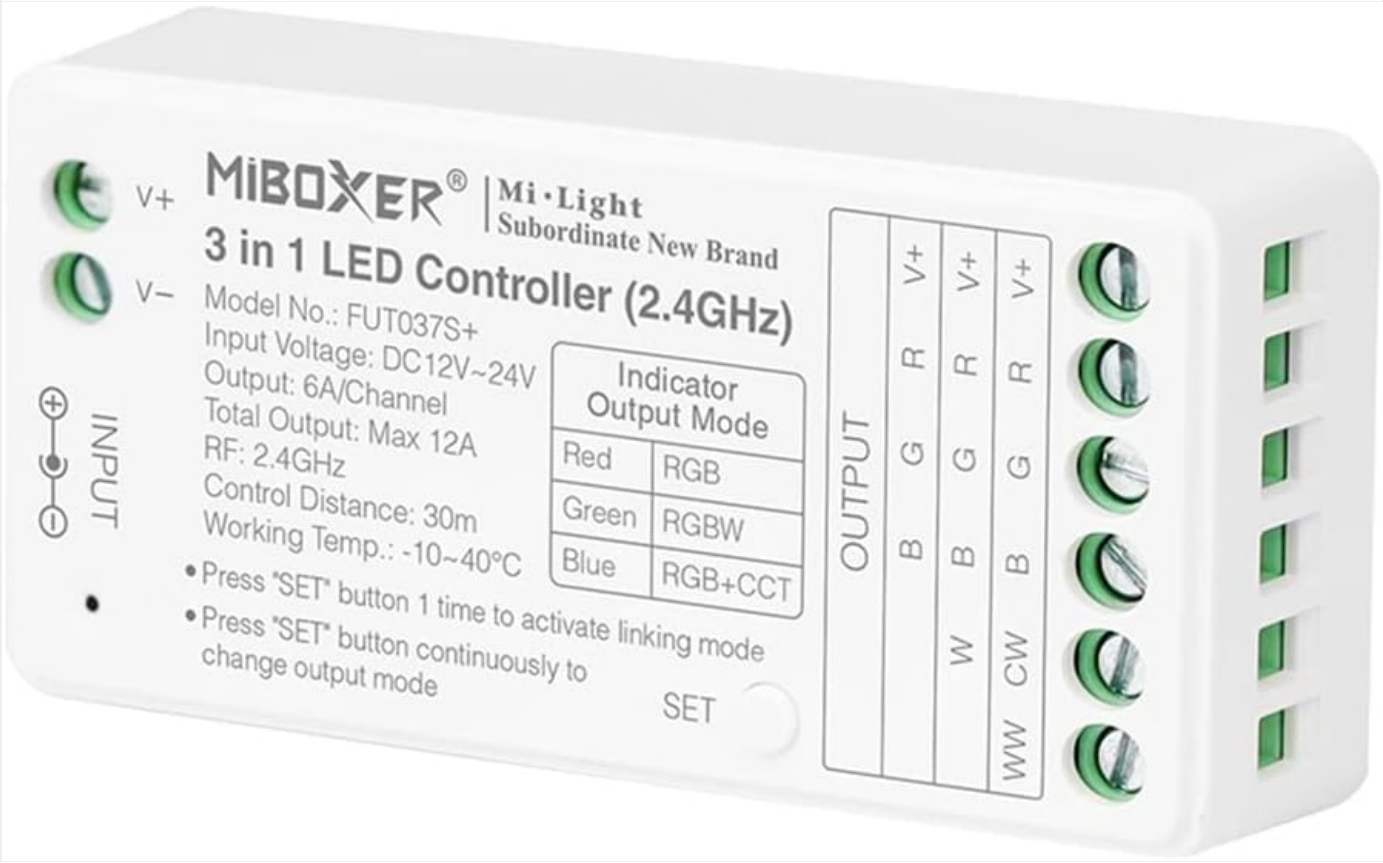


Image: Front view of the LGIDTECH FUT037S+ controller, showing input/output terminals and indicator lights.

The FUT037S+ is a compact and powerful LED strip controller. It supports three different LED strip configurations: RGB (4 wires), RGBW (5 wires), and RGB+CCT (6 wires). It operates on a 2.4GHz RF frequency, providing a control distance of up to 30 meters (98 feet). The device features an indicator output mode for easy identification of the selected LED strip type.

Key Features

- **3-in-1 Compatibility:** Works with RGB (4 wires), RGBW (5 wires), and RGB+CCT (6 wires) LED strip lights.
- **Output Mode Switching:** Easily switch between RGB, RGBW, and RGB+CCT output modes by pressing the [SET] key. Indicator lights (Red for RGB, Green for RGBW, Blue for RGB+CCT) confirm the selected mode.
- **Remote Control Support:** Compatible with Miboxer/Mi-Light 2.4GHz series remote controllers (sold separately), such as FUT096, FUT092, FUT089, B4, S2-W.
- **Smartphone APP Control:** Control the LED strips via a smartphone application when connected to a WL-Box1 Gateway (sold separately). This allows for control even when away from home.
- **Voice Control:** Integrates with Amazon Alexa and Google Home for voice commands when paired with a WL-Box1 Gateway (sold separately).
- **Signal Transmitting & Modes Synchronization:** One controller can transmit signals to other controllers within 30m, extending the control range. Multiple controllers can synchronize modes when controlled by the same remote.

Specifications

Parameter	Value
Product Name	3 in 1 LED Strip Controller (2.4GHz)
Model Number	FUT037S+
Working Voltage	DC12~24V
Output Current	6A/Channel
Total Output	Max 12A
Work Temperature	-10~40℃
RF Frequency	2.4GHz
Control Distance	30 meters (98 feet)
Dimensions	74.5 x 36 x 17 mm (approx. 2.93 x 1.42 x 0.67 inches)
Material	Classic PC material



Product Name: 3 in 1 LED Strip Controller (2.4GHz)

Model Number: FUT037S+

Sold by brand: LGIDTECH

Working Voltage: DC12~24V

Output: 6A/Channel

Total Output: Max 12A

Work Temperature: -10~40℃

RF: 2.4GHz

Control Distance: 30meters=98ft

1PC/BOX
G.W.: 0.041KGS



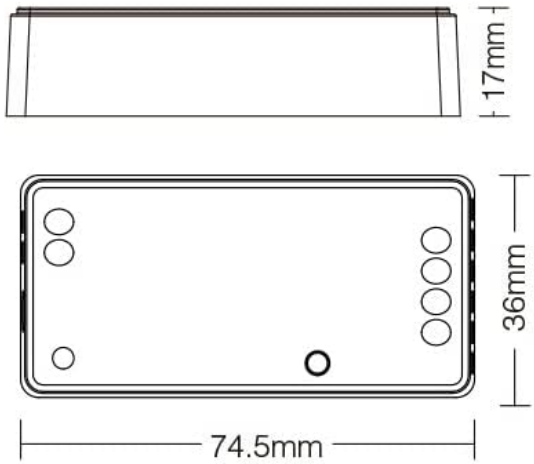


Image: Detailed dimensions and basic specifications of the FUT037S+ controller.

Setup and Installation

Wiring Diagram

The FUT037S+ controller features two power interfaces and clearly labeled output terminals for different LED strip types. Ensure correct polarity (V+ and V-) when connecting the power supply and LED strip.

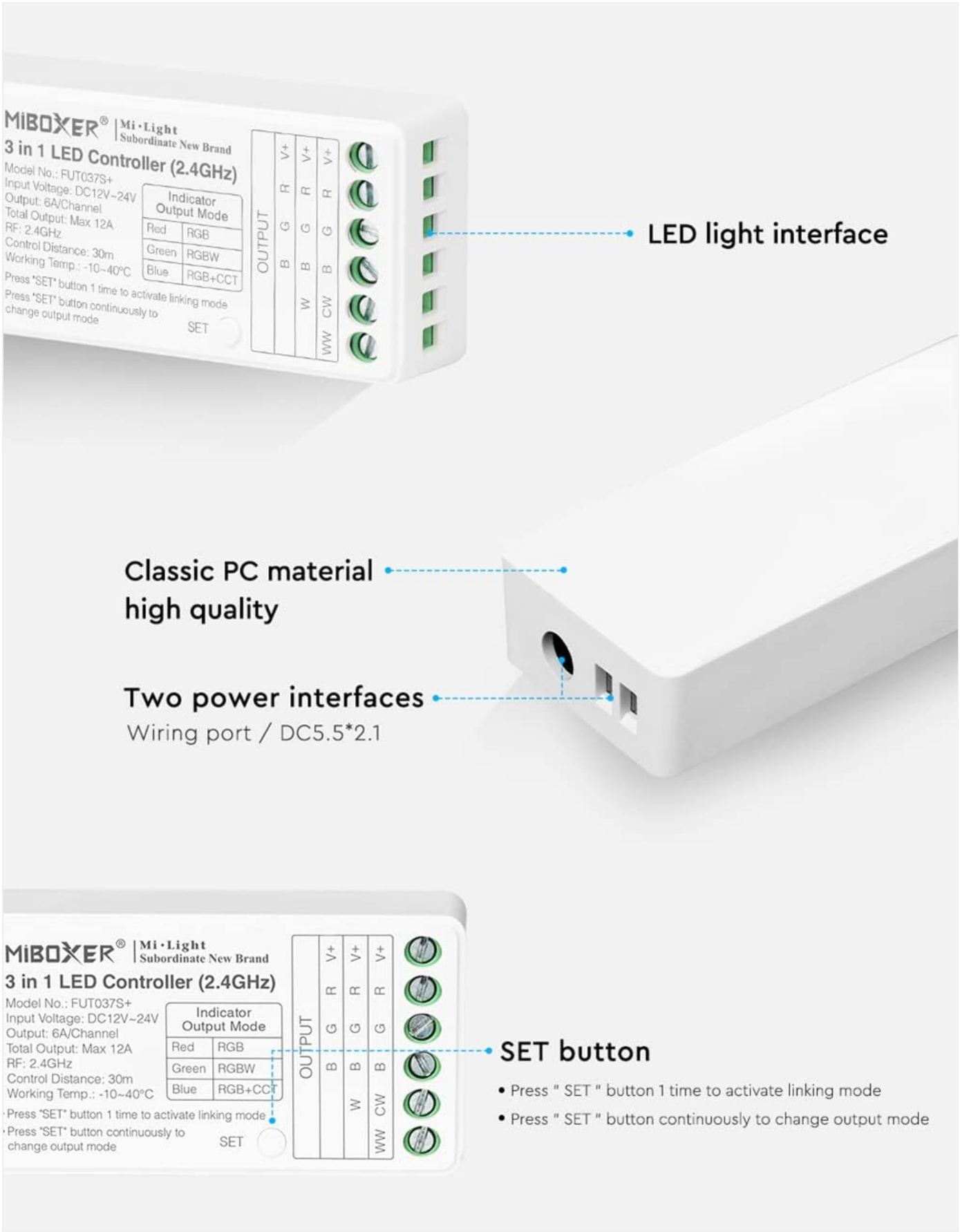


Image: Close-up of the controller showing input (V+, V-) and output terminals (V+, R, G, B, W, CW, WW) for LED strip connection.

1. **Power Connection:** Connect a DC12V~24V power supply to the "INPUT" terminals (V+ and V-) on the controller.
2. **LED Strip Connection:** Connect your LED strip light to the "OUTPUT" terminals. Ensure the correct terminals are used based on your LED strip type:
    - **RGB (4 wires):** Connect to V+, R, G, B.
    - **RGBW (5 wires):** Connect to V+, R, G, B, W.
    - **RGB+CCT (6 wires):** Connect to V+, R, G, B, CW, WW.
3. **Secure Connections:** Ensure all wire connections are secure to prevent short circuits or loose contacts.

Operating Instructions

Switching Output Mode

The FUT037S+ supports three different output modes to match your LED strip type. To switch between modes:

- Press the **[SET]** button once to activate the linking mode.
- Press the **[SET]** button continuously to cycle through the output modes:
    - Indicator **Red**: RGB mode
    - Indicator **Green**: RGBW mode
    - Indicator **Blue**: RGB+CCT mode



Image: Diagram illustrating the indicator lights for different output modes (Red for RGB, Green for RGBW, Blue for RGB+CCT).

Remote Control (Sold Separately)

The controller can be paired with various Miboxer/Mi-Light 2.4GHz series remote controllers. Refer to your specific remote's manual for pairing instructions. Common compatible remotes include FUT096, FUT092, FUT089, B4, S2-W.

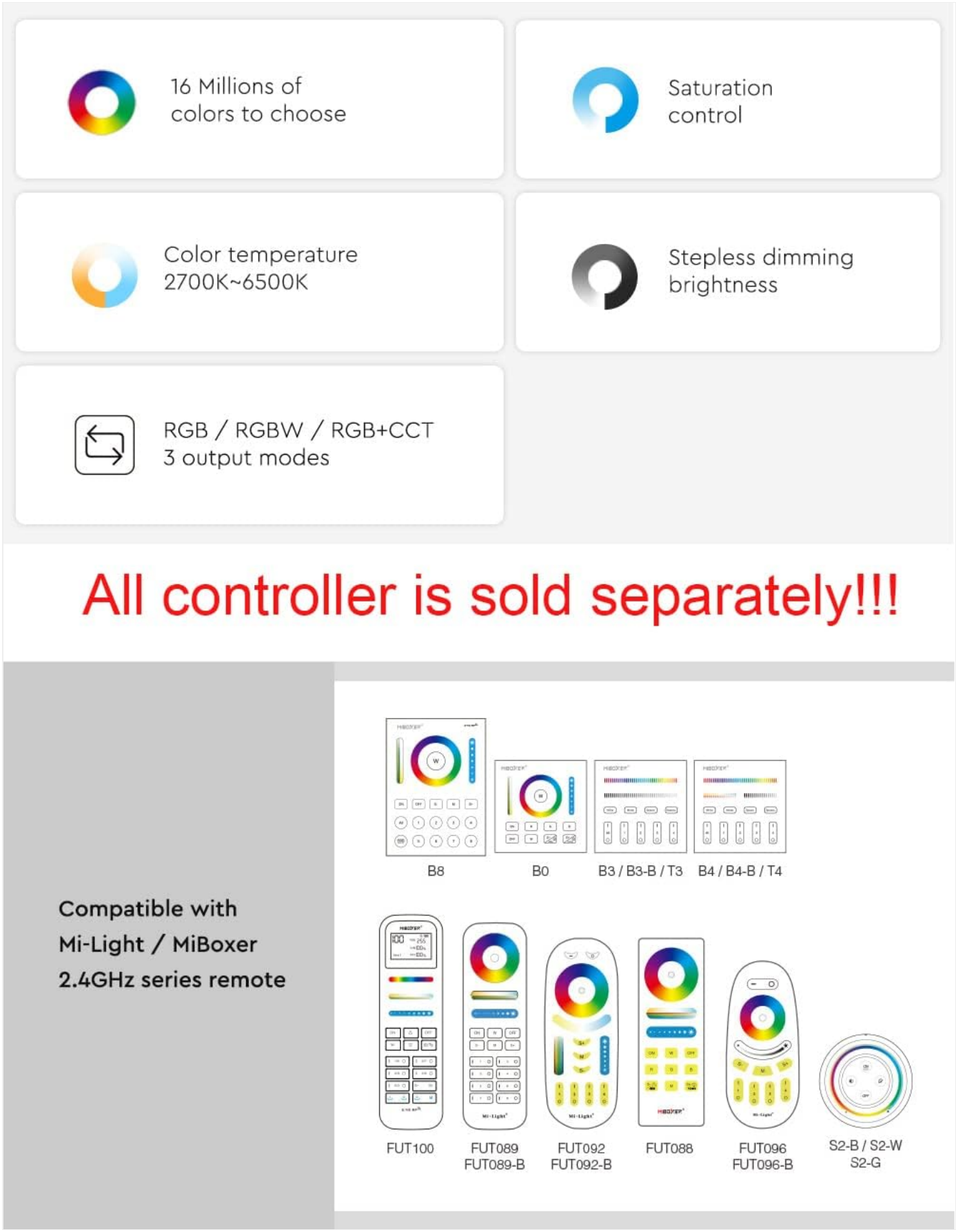


Image: Various compatible Miboxer/Mi-Light 2.4GHz remote controllers, such as FUT100, FUT089, FUT092, FUT088, FUT096, S2-B/S2-W, S2-G.

Smartphone APP and Voice Control (Requires WL-Box1 Gateway, Sold Separately)

To enable smartphone app control and voice control via Amazon Alexa or Google Home, you will need the WL-Box1 Gateway. Follow the gateway's instructions to set up the connection between the gateway, your controller, and your smart home system.

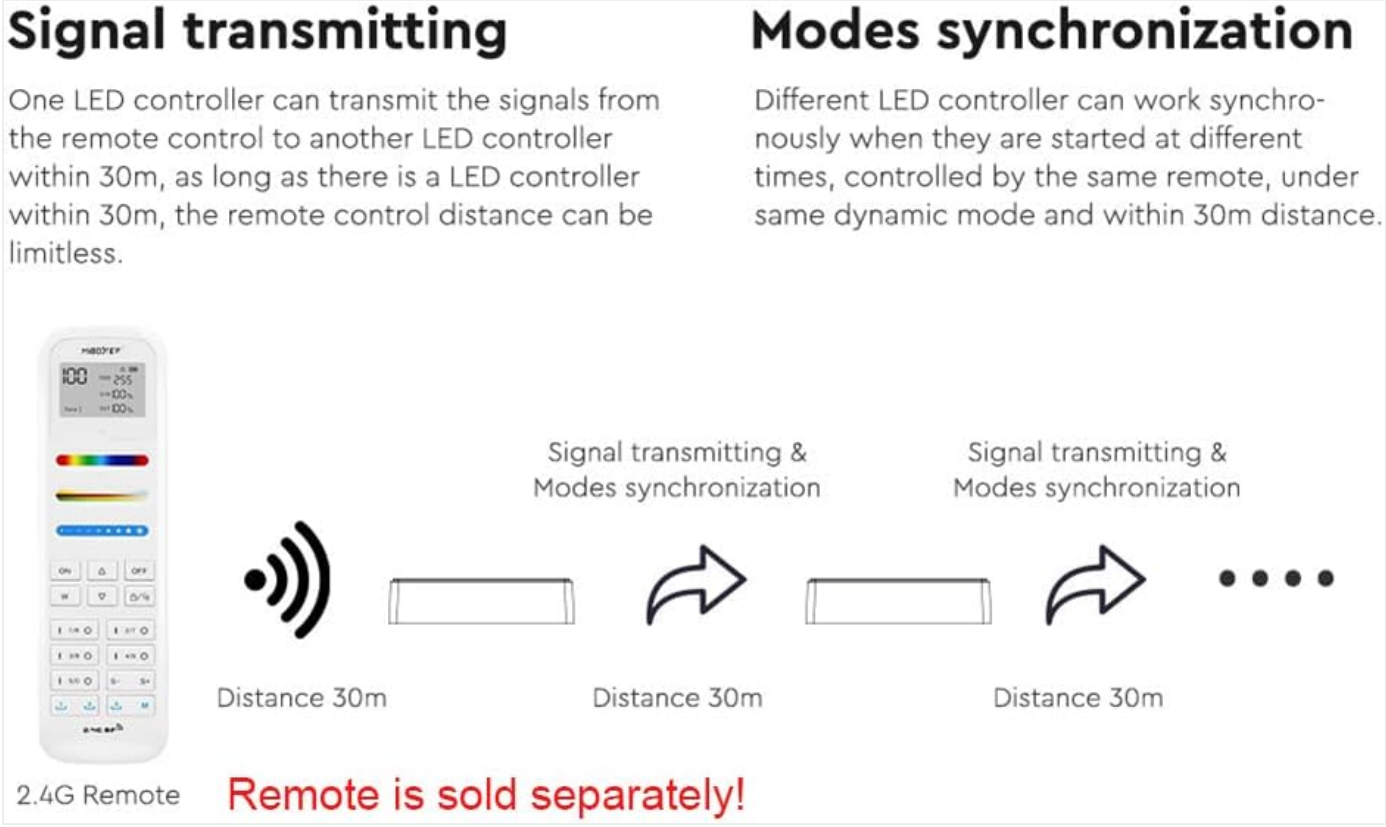


Image: Diagram showing the setup for smartphone app and voice control, including Amazon Alexa, Google Assistant, a smartphone with the app, and the WL-Box1 Gateway.

Troubleshooting

- **LED Strip Not Lighting Up:**
  - Check power supply connection and ensure it's DC12V~24V.
  - Verify LED strip wiring to the controller terminals (V+, R, G, B, W, CW, WW) for correct polarity and type.
  - Ensure the controller's output mode matches your LED strip type (RGB, RGBW, RGB+CCT).
- **Remote Control Not Working:**
  - Ensure the remote is a compatible Miboxer/Mi-Light 2.4GHz series remote.
  - Check the remote's battery.
  - Re-pair the remote with the controller according to the remote's instructions.
  - Ensure the remote is within the 30-meter control distance.
- **App/Voice Control Not Responding:**
  - Confirm the WL-Box1 Gateway is properly connected and powered on.
  - Verify the gateway's internet connection.
  - Ensure the controller is correctly linked to the WL-Box1 Gateway.
  - Check your smartphone app settings and voice assistant integration.
- **Incorrect Colors/Functionality:**
  - Double-check the LED strip wiring for any crossed wires.

- Confirm the controller's output mode is correctly set for your specific LED strip type.

Maintenance

The LGIDTECH FUT037S+ controller requires minimal maintenance. Keep the device clean and free from dust. Do not expose it to excessive moisture or extreme temperatures outside its operating range (-10~40°C). Avoid physical impact or dropping the device. For cleaning, use a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.

Important Notes

- This product is designed for **Indoor Use** only.
- Remote controllers and the WL-Box1 Gateway are **sold separately** and are required for full functionality.
- Ensure the total current draw of your LED strip lights does not exceed the controller's maximum total output of 12A.

© 2025 LGIDTECH. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question