

LGIDTECH FUT025

LGIDTECH FUT025 Miboxer RGB LED Remote and Controller Receiver Box

User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your LGIDTECH FUT025 Miboxer RGB LED Remote and Controller Receiver Box. This product is designed to control RGB LED strip lights with 4 wires, operating within a DC12V-24V voltage range. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The LGIDTECH FUT025 system consists of a receiver box and a touch-sensitive remote control, enabling dynamic color and brightness adjustments for compatible RGB LED strip lights.

2.1 Components

- FUT025 Controller Receiver Box
- FUT025 Remote Control

2.2 Dimensions



Image: Dimensions of the FUT025 Controller Receiver Box and Remote Control. The receiver box measures 85mm (length) x 45mm (width) x 22.5mm (height). The remote control measures 110mm (length) x 53mm (width) x 20.5mm (thickness).

Controller Receiver Box: 85mm (L) x 45mm (W) x 22.5mm (H)

Remote Control: 110mm (L) x 53mm (W) x 20.5mm (H)

2.3 Controller Receiver Box Details

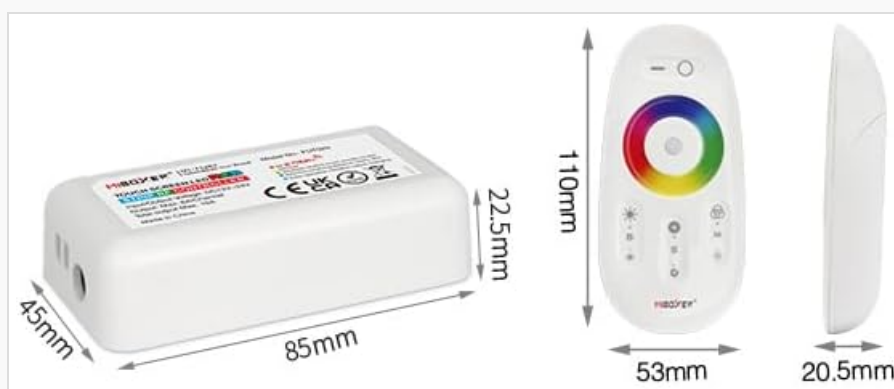


Image: Top view of the FUT025 Controller Receiver Box, showing input/output terminals and product labeling.

3. SETUP INSTRUCTIONS

Follow these steps to correctly install your LGIDTECH FUT025 system.

3.1 Wiring Diagram

1. **Power Input:** Connect a DC12V-24V power supply to the input terminals of the receiver box. Ensure the voltage matches the requirements of your LED strip lights.
2. **LED Strip Output:** Connect your 4-wire RGB LED strip light to the output terminals of the receiver box. Ensure correct polarity for Red, Green, Blue, and Common Anode (V+). This controller is designed for RGB LED strip lights with 4 wires only.

Important: The input voltage to the controller receiver box must be the same as the working voltage of your LED strip lights (DC 12V or DC 24V).

3.2 Remote Control Pairing (if necessary)

The remote control is typically pre-paired with the receiver box. If pairing is required or if you are adding a new remote:

1. Ensure the receiver box is powered off.
2. Power on the receiver box.
3. Within 3 seconds of powering on, press the 'ON' button on the remote control three times.
4. The LED strip lights should flash three times to indicate successful pairing.

3.3 Smartphone Control (Optional)

For smartphone control, an additional gateway (model number WL-Box2) is required. This gateway is sold separately and is not included with the FUT025. The FUT025 cannot be controlled directly by a smartphone without the WL-Box2 gateway.

4. OPERATING INSTRUCTIONS

The remote control allows for various adjustments to your RGB LED strip lights.

4.1 Remote Control Functions

- **Power Button:** Turns the LED strip lights ON or OFF.
- **Color Ring:** Touch the color ring to select a specific color.
- **Brightness Adjustment:** Use the brightness buttons (↑ / ↓) to increase or decrease the light intensity.
- **Mode Selection (M):** Press the 'M' button to cycle through various dynamic lighting modes.
- **Speed Adjustment (S):** When in a dynamic mode, use the speed buttons (↑ / ↓) to increase or decrease the speed of the mode.

4.2 Memory Function

The controller features a memory function. After setting a specific color, mode, and brightness, the LED strip lights will retain these settings even after being turned off and on again. You do not need to reconfigure your preferred settings each time.

5. MAINTENANCE

To ensure the longevity and optimal performance of your LGIDTECH FUT025 system, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the receiver box and remote control. Avoid using abrasive cleaners or solvents.
- **Battery Replacement:** The remote control requires 2 AAA batteries (not included). If the remote's range decreases or it becomes unresponsive, replace the batteries. Ensure correct polarity when inserting new batteries.
- **Environment:** Keep the receiver box and remote control in a dry environment, away from direct sunlight, high temperatures, and excessive humidity. This product is designed for indoor use.

6. TROUBLESHOOTING

If you encounter issues with your LGIDTECH FUT025 system, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
LED strip lights do not turn on.	No power to receiver box. Incorrect wiring. Remote batteries are dead. Remote not paired.	Check power supply connection. Verify input/output wiring and polarity. Replace remote batteries. Re-pair the remote control (see Section 3.2).
Incorrect colors displayed.	Incorrect wiring of RGB channels. Incompatible LED strip type.	Check RGB output wiring to ensure R, G, B, and V+ are connected correctly. Ensure you are using a 4-wire RGB LED strip light.
Remote control unresponsive.	Dead batteries. Remote out of range. Interference.	Replace AAA batteries. Ensure remote is within effective range of the receiver box. Minimize obstructions or other 2.4GHz devices.

7. SPECIFICATIONS

Feature	Detail
Product Name	2.4GHz Touch RGB LED Strip Controller
Model No.	FUT025
Brand	LGIDTECH
Voltage	DC12V-24V
Output Current	Max. 6A/Channel
Total Output Current	Max. 10A
Max Load (DC 12V)	120W (10A * 12V)
Controller Receiver Box Size	85mm x 45mm x 22.5mm
Remote Control Size	110mm x 53mm x 20.5mm
Compatibility	RGB LED Strip Lights with 4 Wires (e.g., 5050, 3528)
Control Method	2.4GHz RF Touch Remote Control
Remote Battery Type	2 x AAA batteries (not included)
Indoor/Outdoor Usage	Indoor
Material	Acrylonitrile Butadiene Styrene

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the manufacturer or your retailer. Keep your purchase receipt as proof of purchase.

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