LGIDTECH FUT027

LGIDTECH FUT027 Miboxer RGBW LED Remote+Controller Receiver Box User Manual

Model: FUT027 | Brand: LGIDTECH

1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of the LGIDTECH FUT027 Miboxer RGBW LED Remote+Controller Receiver Box. This system is designed to provide versatile control over RGBW LED strip lights, allowing for adjustments in color, brightness, and dynamic lighting modes. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

The FUT027 system consists of two main components: the RGBW LED Remote Controller and the Receiver Box.

Figure 2.1: LGIDTECH FUT027 RGBW LED Remote and Receiver Box. The image displays the white remote control with a color wheel and various buttons, alongside the white rectangular receiver box with connection terminals.

2.1 Remote Control Functions

The remote control features a touch-sensitive color ring and several buttons for comprehensive control:

- **Master ON/OFF:** Power button to turn the lights on or off.
- **Color Ring:** Touch to select desired RGB color.
- **Brightness +/-:** Adjusts the brightness level of the lights.
- **Mode +/-:** Cycles through preset dynamic lighting modes.
- **Speed +/-:** Adjusts the speed of dynamic lighting modes.
- **M (Mode):** Activates white color mode after selecting a color from the color ring.

Figure 2.2: Detailed view of the remote control, highlighting the functions of each button and the color ring for intuitive operation.

2.2 Package Contents

Ensure all items are present in the package:

- 1 x FUT027 RGBW LED Remote Controller
- 1 x FUT027 RGBW LED Receiver Box
- User Manual (this document)

Figure 2.3: Image showing the remote control, receiver box, and a small instruction sheet, representing the typical package contents.

3. SPECIFICATIONS

Feature	Detail

Product Name	Touch RGBW LED Strip Controller
Model Number	FUT027
Voltage Input	DC 12V-24V
Output Current	Max. 6A/Channel
Total Output	Max. 10A
Controller Size	85 x 45 x 22.5 mm
Remote Size	110 x 53 x 20.5 mm
Control Distance	Approx. 30 meters (98 ft)
Material	Acrylonitrile Butadiene Styrene
Remote Batteries	2 x AAA batteries (not included)

Name: 2.4GHz Touch RGBW LED Strip Controller

Model Number: FUT027

Voltage: DC12V~24V

Output: Max. 6A/Channel

Total output Max: 10A

Control Distance: 30meters=98ft

Controller Size: 85*45*22.5mm

Remote Size: 110*53*20.5mm

Figure 3.1: Diagram illustrating the dimensions of both the FUT027 receiver box and the remote control.

4. Setup Instructions

Follow these steps to set up your LGIDTECH FUT027 system:

4.1 Wiring the Receiver Box

1. **Connect LED Strip Light:** Connect your RGBW LED strip light (with 5 bare wires) to the corresponding terminals on the receiver box. Ensure correct polarity (V+, R, G, B, W).

2. **Connect Power Adapter:** Connect a DC 12V-24V power adapter to the input port of the receiver box. The input voltage must match the working voltage of your LED strip light.

DC 12~24V Available

2 diffeent input ways　①　②

LED Strip Terminal

5 connectors for RGBW LED strip light with 5 wires

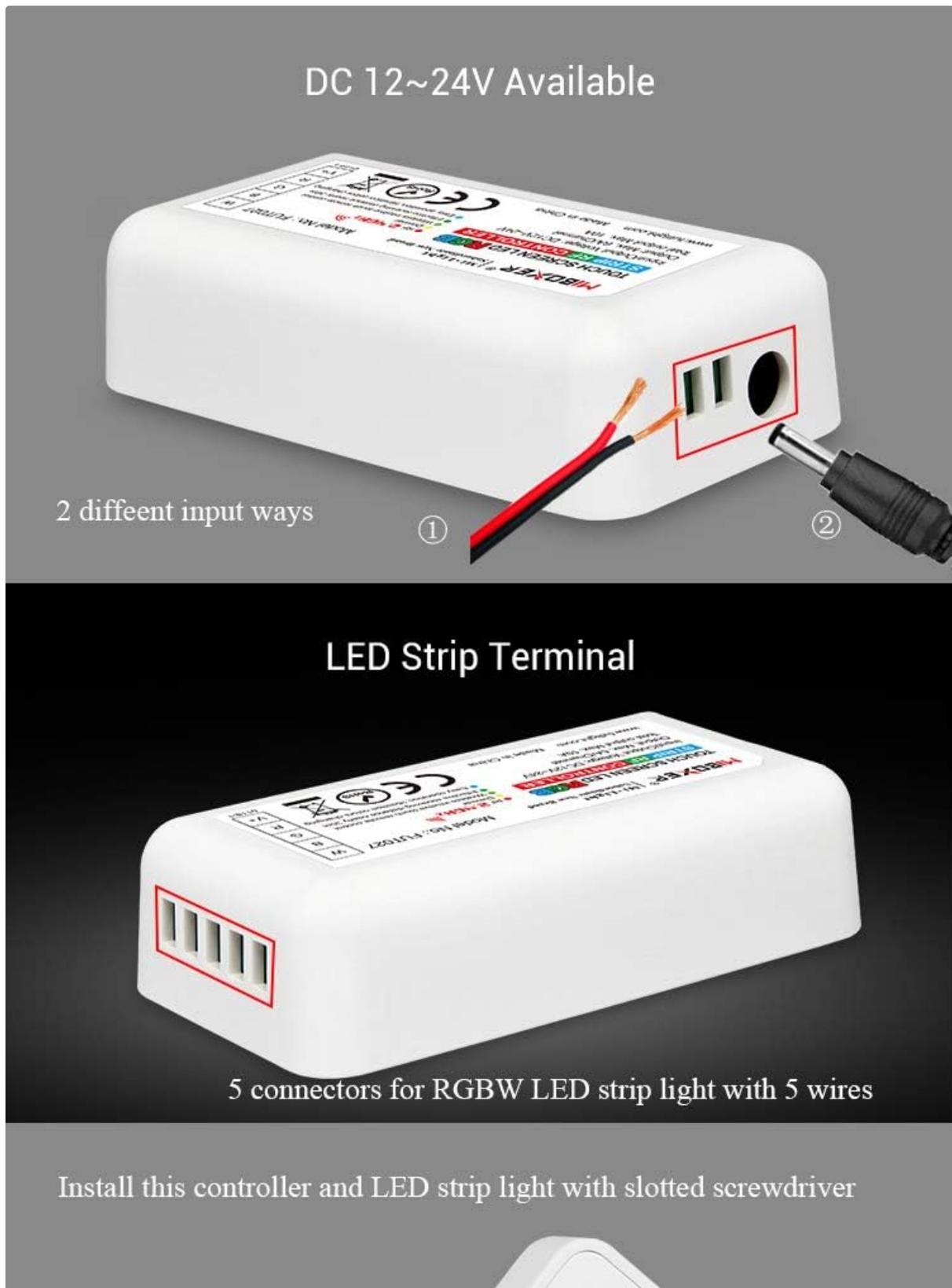Install this controller and LED strip light with slotted screwdriver

Figure 4.1: Visual guide for connecting the RGBW LED strip light and the DC power adapter to the FUT027 receiver box.

4.2 Linking the Remote Controller to the Receiver Box

To ensure the remote control communicates with the receiver box, you need to link them:

1. Ensure the LED strip light is connected and the power adapter is plugged in, but the LED strip is currently OFF.

2. Turn ON the power to the LED strip light.

3. Within 3 seconds of turning on the LED strip light, press the **S+** key on the remote controller.

4. If linking is successful, the LED strip light will blink 3 times slowly. If it does not blink, repeat the process.

4.3 Setup Video Guide

For a visual demonstration of the setup process, please watch the official setup video below:

Your browser does not support the video tag.

Video 4.1: "How to Setup FUT027 LED Strip Light Controller". This video provides a step-by-step guide on connecting the LED strip and power, and linking the remote control to the receiver box.

5. OPERATING INSTRUCTIONS

Once the system is set up, you can control your LED strip lights using the remote controller:

- **Power On/Off:** Press the **Master ON** or **Master OFF** button (top left/right) to turn the lights on or off.

- **Color Selection:** Use the **Color Ring** in the center of the remote to select any desired color from the 16 million available options.

- **Brightness Adjustment:** Press the **Brightness +** (sun icon, top left of lower buttons) to increase brightness or **Brightness -** (sun icon, bottom left of lower buttons) to decrease brightness.

- **Dynamic Modes:** Press the **Mode +** or **Mode -** buttons (M icon, top right/bottom right of lower buttons) to cycle through various preset dynamic color-changing modes.

- **Mode Speed Adjustment:** While in a dynamic mode, use the **Speed +** (S+ icon, top right of lower buttons) to accelerate the mode speed or **Speed -** (S- icon, bottom right of lower buttons) to slow it down.

- **White Color Mode:** After selecting any color using the color ring, press the**M** key (Mode button) to switch the lights to white color mode.

6. MAINTENANCE

To ensure the longevity and optimal performance of your LGIDTECH FUT027 system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the remote control and receiver box. Avoid using abrasive cleaners or solvents, as they may damage the surfaces.
- **Battery Replacement:** The remote control requires 2 AAA batteries. When the remote's indicator light dims or the remote becomes unresponsive, it's time to replace the batteries. Open the battery compartment on the back of the remote, remove the old batteries, and insert new ones, ensuring correct polarity.
- **Storage:** If storing the unit for an extended period, remove the batteries from the remote control to prevent leakage and potential damage. Store in a cool, dry place away from direct sunlight.
- **Environmental Conditions:** This product is designed for indoor use. Avoid exposing the receiver box or remote to moisture, extreme temperatures, or corrosive environments.

7. TROUBLESHOOTING

If you encounter issues with your FUT027 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
LED strip lights do not turn on.	- No power to the receiver box. - Incorrect wiring of LED strip or power adapter. - Remote not linked to receiver. - Remote batteries are dead or inserted incorrectly.	- Check power supply connection and ensure it's plugged in. - Verify all wiring connections (V+, R, G, B, W) are secure and correct. - Perform the linking procedure (Section 4.2). - Replace remote batteries and check polarity.
Remote control is unresponsive.	- Remote batteries are low or dead. - Remote is out of range. - Interference from other 2.4GHz devices.	- Replace remote batteries. - Move closer to the receiver box (effective range is approx. 30m). - Minimize other 2.4GHz device usage nearby if possible.
Lights are dim or inconsistent.	- Overload on the receiver box. - Voltage drop over long LED strip runs.	- Ensure total LED strip wattage does not exceed 120W for 12V systems or 240W for 24V systems (Max 10A total output). - For longer LED strip installations, consider using an LED amplifier (e.g., PA4, search B0775YHPXW on Amazon) and additional power supplies to maintain consistent brightness.

Cannot control with smartphone APP.	◦ FUT027 does not support direct smartphone control.	◦ A separate WL-Box2 gateway is required for smartphone APP control (search B01N7C3HXQ on Amazon). FUT027 does not support voice control.

8. WARRANTY AND SUPPORT

For warranty information and technical support regarding your LGIDTECH FUT027 Miboxer RGBW LED Remote+Controller Receiver Box, please refer to the product packaging or contact the seller directly through the platform where the product was purchased. Keep your proof of purchase for any warranty claims.

For additional assistance or inquiries, you may visit the LGIDTECH Store on Amazon:LGIDTECH Amazon Store.