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› [LGIDTECH](#) /

› [LGIDTECH FUT038 Miboxer 4-Zone Controller Receiver Box User Manual](#)

## LGIDTECH FUT038

# LGIDTECH FUT038 Miboxer 4-Zone Controller Receiver Box User Manual

For RGBW LED Strip Lights (DC 12-24V)

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the LGIDTECH FUT038 Miboxer 4-Zone Controller Receiver Box. This device is designed to control RGBW LED strip lights requiring a 5-wire connection and operates within a DC 12V to 24V range. It functions as a receiver for various control methods, including remote controls, wall panels, and smartphone applications via a separate gateway.

## 2. SAFETY INFORMATION

- Ensure the input voltage (DC 12V-24V) matches the working voltage of your LED strip lights and power supply. Incorrect voltage can damage the device and LED strips.
- This product is designed for **indoor use only**. Do not expose it to moisture, water, or extreme temperatures.
- Disconnect power before making any connections or performing maintenance.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not exceed the maximum load per channel of 6A or the total output current of 10A.
- If your LED strip lights are RGB (not RGBW), this controller is not suitable. Please use an appropriate RGB controller.

## 3. PACKAGE CONTENTS

The LGIDTECH FUT038 Miboxer 4-Zone Controller Receiver Box package typically includes:

- 1 x FUT038 RGBW LED Strip Controller Receiver Box

**Note:** The power supply, remote control, wall panel, and Wi-Fi gateway (for smartphone control) are **not included** and must be purchased separately.

## 4. SPECIFICATIONS

<b>Model Number</b>	FUT038
<b>Brand</b>	LGIDTECH / Miboxer
<b>Working Voltage</b>	DC 12V ~ 24V
<b>Max Load per Channel</b>	6A
<b>Total Output Current</b>	10A
<b>Output Connection</b>	Common Anode (+)
<b>Control Method</b>	RF 2.4GHz (requires separate remote/wall panel/gateway)
<b>Control Distance</b>	Up to 30 meters (98 feet)
<b>Number of Programs</b>	9 kinds
<b>Dimensions</b>	85 x 45 x 22.5 mm (3.35 x 1.77 x 0.89 inches)
<b>Weight</b>	Approximately 3.52 ounces
<b>Water Resistance</b>	Not Water Resistant
<b>Max Output Wattage</b>	120W (for DC12V), 240W (for DC 24V)

## 5. SETUP AND INSTALLATION

Follow these steps to correctly install your FUT038 controller:

- 1. Prepare Components:** Ensure you have the FUT038 controller, a compatible RGBW LED strip light (5-wire), and a DC 12V-24V power supply. Remember that the power supply is not included.
- 2. Power Input Connection:** The controller supports two input methods for power:
  - **DC 5.5\*2.1mm Male Connector:** Connect a compatible DC power adapter directly to the input jack.
  - **Bare Wires:** Use the screw terminals labeled 'POWER +' and 'POWER -' to connect the positive and negative wires from your DC power supply. Ensure correct polarity.

DC 12-24V Available

2 kinds of input ways



Packing Details



5 connectors for RGBW LED strip light with 5 wires.

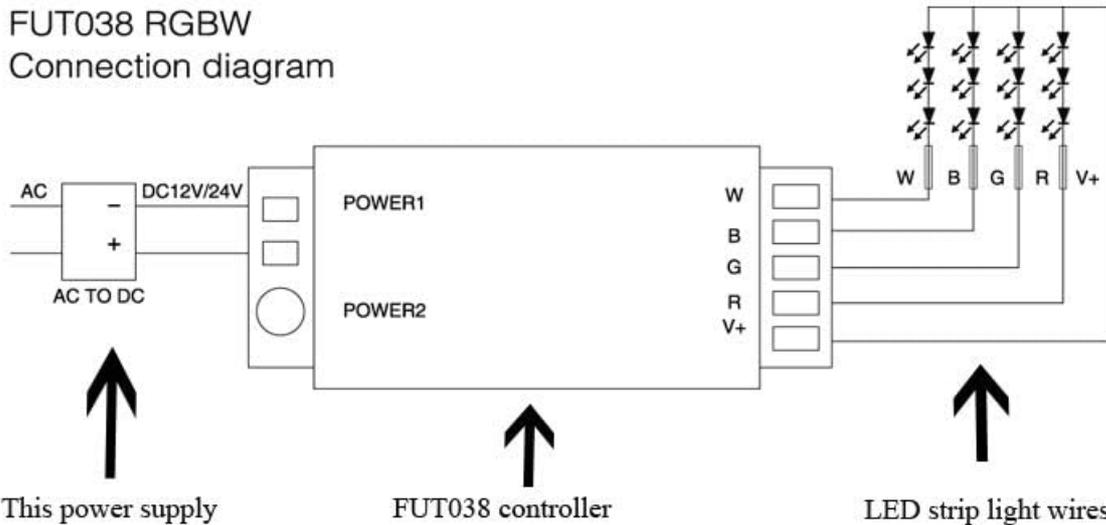
LED Strip Terminal



Install with slotted screwdriver



FUT038 RGBW  
Connection diagram



This power supply

FUT038 controller

LED strip light wires

isn't included in package.

Image: The FUT038 controller showing two power input options (DC jack and screw terminals) and the output terminals for the RGBW LED strip.

- LED Strip Connection:** Connect your 5-wire RGBW LED strip to the output terminals on the controller. The terminals are labeled V+, R, G, B, W. Ensure the wires from your LED strip correspond to these labels.
  - **V+:** Common Positive (+)
  - **R:** Red channel
  - **G:** Green channel

- **B:** Blue channel
- **W:** White channel



Image: Front view of the FUT038 controller, highlighting the input/output labels and model number.

- Secure Connections:** Use a slotted screwdriver to tighten the screw terminals for both power input (if using bare wires) and LED strip output, ensuring a firm connection.
- Power On:** Once all connections are secure, connect the power supply to a power outlet. The controller should power on.

## 6. OPERATING INSTRUCTIONS

The FUT038 controller is a receiver and requires a separate control device to function. It supports 2.4GHz RF wireless control.

### 1. Pairing with a Remote Control or Wall Panel:

- Ensure the remote control or wall panel is compatible with Miboxer/Mi-Light 2.4GHz RF systems (e.g., B01N57JJAA for remote, B01N1V36DF for wall panel).
- Refer to the specific instructions provided with your remote control or wall panel for pairing procedures. Typically, this involves powering on the controller and then pressing a pairing button on the remote/panel within a few seconds.

Compatible with below controllers(All is sold separately!)

All is sold separately



Image: Various compatible Miboxer/Mi-Light control devices, including 4-zone remotes and wall panels, which are sold separately.

## 2. Smartphone App Control (via Gateway):

- To control the FUT038 via a smartphone app, an additional Wi-Fi gateway (e.g., WL-Box1 or WL-Box2, ASIN B01N7C3HXQ) is required. This gateway acts as a bridge between your Wi-Fi network and the 2.4GHz RF controller.
- Install the Miboxer/Mi-Light app on your smartphone.
- Follow the instructions provided with the Wi-Fi gateway to set it up and link it to your FUT038 controller.

3. **Functionality:** Once paired, you can control the connected RGBW LED strip lights. The controller supports 9 different programs/modes and offers 16 million colors when used with a compatible full-color remote.

## 7. MAINTENANCE

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- **Cleaning:** Gently wipe the controller with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Environment:** Keep the controller in a dry, well-ventilated area, away from direct sunlight, heat sources, and moisture.
- **Connections:** Periodically check all wiring connections to ensure they remain secure.

## 8. TROUBLESHOOTING

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- **LED Strip Not Lighting Up:**
  - Check if the power supply is correctly connected and receiving power.
  - Verify that the input voltage of the power supply matches the controller's requirement (DC 12V-24V) and the LED strip's voltage.
  - Ensure the LED strip wires are correctly connected to the V+, R, G, B, W terminals with correct polarity.
  - Confirm the LED strip itself is functional.
- **No Control from Remote/Wall Panel/App:**
  - Ensure the controller is properly powered on.
  - Re-attempt the pairing process between the controller and your remote/wall panel/gateway.
  - Check the batteries in your remote control, if applicable.
  - For app control, verify the Wi-Fi gateway is powered, connected to your network, and properly linked to the controller.
  - Ensure the control device (remote, wall panel, gateway) is compatible with the FUT038 controller.
- **Incorrect Colors or Flickering:**
  - Check the wiring connections between the LED strip and the controller for loose or incorrect connections (e.g., R and G wires swapped).
  - Ensure the power supply is adequate for the length and wattage of your LED strip. An underpowered supply can cause flickering or dimness.
- **Controller Overheating:**
  - Verify that the total current draw of your LED strip does not exceed the controller's maximum output of 10A.
  - Ensure adequate ventilation around the controller.

## 9. WARRANTY INFORMATION

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Warranty information for the LGIDTECH FUT038 Miboxer 4-Zone Controller Receiver Box is not provided in the product details. Please refer to the retailer's return policy or contact LGIDTECH directly for specific warranty terms and conditions.

## 10. CUSTOMER SUPPORT

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For further assistance, technical support, or inquiries regarding the LGIDTECH FUT038 Miboxer 4-Zone Controller Receiver Box, please contact the manufacturer, Miboxer, or the retailer from whom the product was purchased. Specific contact details are not available in the provided information.

