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› [Fitop Permanent Outdoor RGB LED Strip Lights \(Model C5109\) - 150FT User Manual](#)

## Fitop C5109

# Fitop Permanent Outdoor RGB LED Strip Lights (Model C5109) - 150FT User Manual

Model: C5109 | Brand: Fitop

## 1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Fitop Permanent Outdoor RGB LED Strip Lights. Please read this manual thoroughly before installation and retain it for future reference.

### Safety Information

- Ensure the control box is protected in a dry location to prevent water damage, despite the lights being IP67 rated.
- Do not exceed the maximum extendable length of 200FT when connecting multiple sets. An upgraded adapter is required for extension.
- Verify all connections are secure before powering on the lights.
- Operate within the specified temperature range of -4°F to 140°F (-20°C to 60°C).

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 50ft Permanent Outdoor Lights x 3 (for 150ft total)
- Control Box x 1
- Power Adapter x 1
- Remote Control x 1
- Screw Bag x 1
- User Manual x 1

## 3. INSTALLATION

### 3.1 Pre-Installation Check

Before permanent installation, it is recommended to test the lights. Connect all components and plug them

into a power outlet to ensure proper functionality. This step helps identify any issues before mounting.

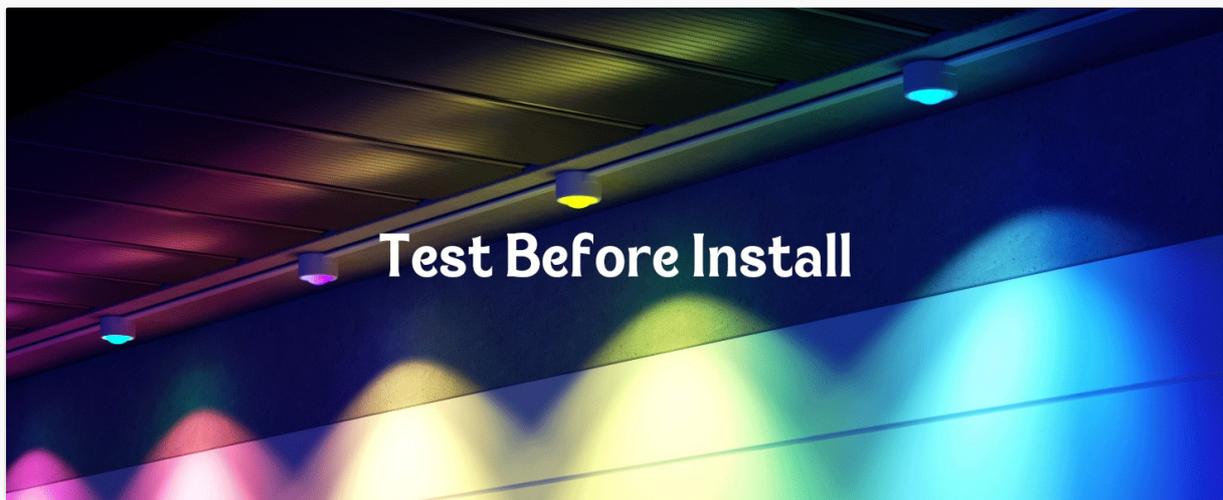


Figure 3.1: Testing the lights before installation. Ensure all segments illuminate correctly.

### 3.2 Connecting Components

Follow these steps to connect the light segments and power supply:

1. **Align Notches:** Align the notches on the power adapter and control box. Press them together and twist the cap firmly to secure the connection.
2. **Connect Control Box to Light String:** Connect the control box to the first light string by matching the plugs and twisting the caps firmly to avoid any loose contact.
3. **Link Light Segments:** Link the 50ft light segments by connecting the built-in plugs and twisting the caps to lock them securely. (Note: 50ft models skip this step as they are a single segment).
4. **Power On:** Plug the power adapter into an outlet and turn on the lights to check if everything is working properly. Ensure all connectors are fully tightened.

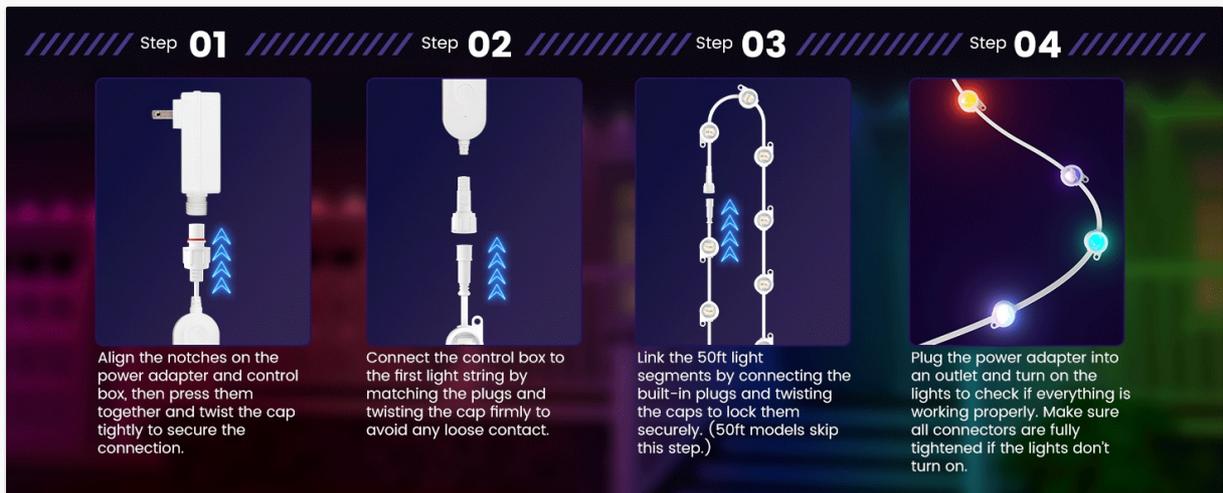


Figure 3.2: Connection diagram for the light system. Follow the sequence from power adapter to light segments.

### 3.3 Mounting on Wall

You can choose between temporary mounting with 3M adhesive or permanent mounting with screws:

1. **Position Lights:** Mount the lights 2-4 inches away from the wall for optimal light projection.
2. **Clean Surface:** Wipe the surface clean before applying the adhesive.
3. **Peel Backing:** Peel off the 3M adhesive backing on the light strip.
4. **Press Firmly:** Press the strip firmly onto the surface for at least 5 seconds.

5. **Secure with Screws:** For permanent installation, secure each light point with the provided screws.
6. **End Cap:** Tightly screw on the end cap of the last section to ensure weather resistance.



Figure 3.3: Step-by-step guide for mounting the lights. Ensure the surface is clean and connections are secure.

## 4. OPERATION

Your Fitop Permanent Outdoor Lights can be controlled via a remote control or a smartphone application.

### 4.1 Remote Control Functions

The included remote control allows for basic and advanced light adjustments:

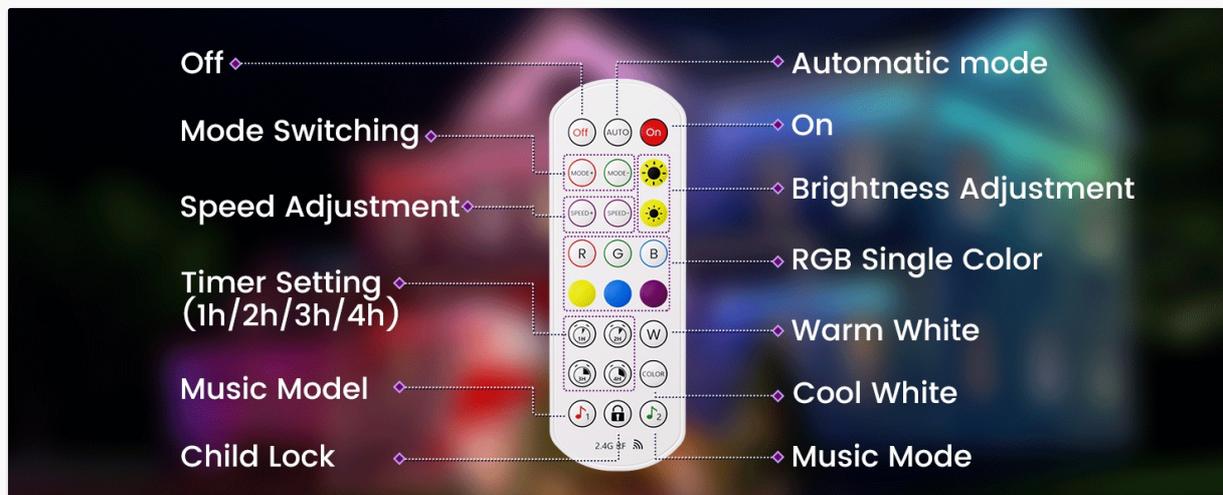


Figure 4.1: Remote control layout and button functions.

- **On/Off:** Power the lights on or off.
- **Mode Switching:** Cycle through various pre-programmed lighting modes.
- **Speed Adjustment:** Adjust the speed of dynamic lighting effects.
- **Brightness Adjustment:** Increase or decrease the light intensity.
- **RGB Single Color:** Select specific red, green, or blue colors.
- **Warm White/Cool White:** Switch between warm and cool white light options.
- **Timer Setting:** Set a timer for 1h, 2h, 3h, or 4h.
- **Music Mode:** Activate music synchronization.
- **Child Lock:** Lock the remote to prevent accidental changes.

## 4.2 App Control (Bluetooth)

The lights can be controlled via the Surp Life app, available on Google Play and the App Store. No Wi-Fi is required for control, as it uses a stable Bluetooth connection.



Figure 4.2: The Surp Life app interface for controlling light settings.

- **Download App:** Search for "Surp Life" in your device's app store.
- **Pairing:** Open the app and follow the on-screen instructions to pair with your lights via Bluetooth.
- **Color Options:** Access over 16 million colors for personalized ambiance.
- **Dynamic Scenes:** Choose from 48 pre-programmed modes or create custom scenes.
- **Music Sync:** Utilize the music mode to synchronize lights with audio.
- **Scheduling:** Set schedules for automatic on/off times and scene changes.

## 5. MAINTENANCE

- **Cleaning:** Gently wipe the light surfaces with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Control Box Protection:** Regularly inspect the control box to ensure it remains in a dry, weather-protected location.

- **Connection Check:** Periodically check all connections for tightness and signs of wear or damage.
- **Storage:** If storing the lights for an extended period, disconnect them from power, clean them, and store them in a cool, dry place.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	Loose connection, no power, faulty adapter.	Check all cable connections. Ensure the power outlet is functional. Verify the power adapter is securely plugged in.
Remote control not working.	Dead battery, remote out of range, signal obstruction.	Replace the remote battery. Ensure the remote is pointed at the control box within range. Remove any obstructions.
App cannot connect to lights.	Bluetooth off, lights not in pairing mode, app issue.	Ensure Bluetooth is enabled on your device. Restart the app and lights. Try re-pairing through the app settings.
Lights are not syncing correctly when extended.	Incorrect app settings for extended length, faulty connection between segments.	Adjust the LED settings in the Surp Life app to match the total extended length. Check connections between all light segments.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	C5109
Length	150 Feet (Extendable up to 200 Feet with separate adapter)
Color	Multicolor (RGB)
Indoor/Outdoor Usage	Outdoor
Waterproof Rating	IP67
Light Source Type	LED
Power Source	AC
Voltage	110 Volts
Wattage	72 Watts
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Control Method	App (Bluetooth), Remote Control
Material	Plastic
Item Weight	5.79 pounds

## 8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Fitop customer service directly. Keep your purchase receipt for warranty claims.

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