econoLED SYNCHKG023355

User Manual
econoLED 12V Flexible SMD 5050 RGB LED Strip Lights
Model: SYNCHKG023355

INTRODUCTION

Thank you for choosing econoLED 12V Flexible SMD 5050 RGB LED Strip Lights. This manual provides essential information for the safe and effective installation, operation, and maintenance of your LED strip lights. Please read this manual thoroughly before use and retain it for future reference.
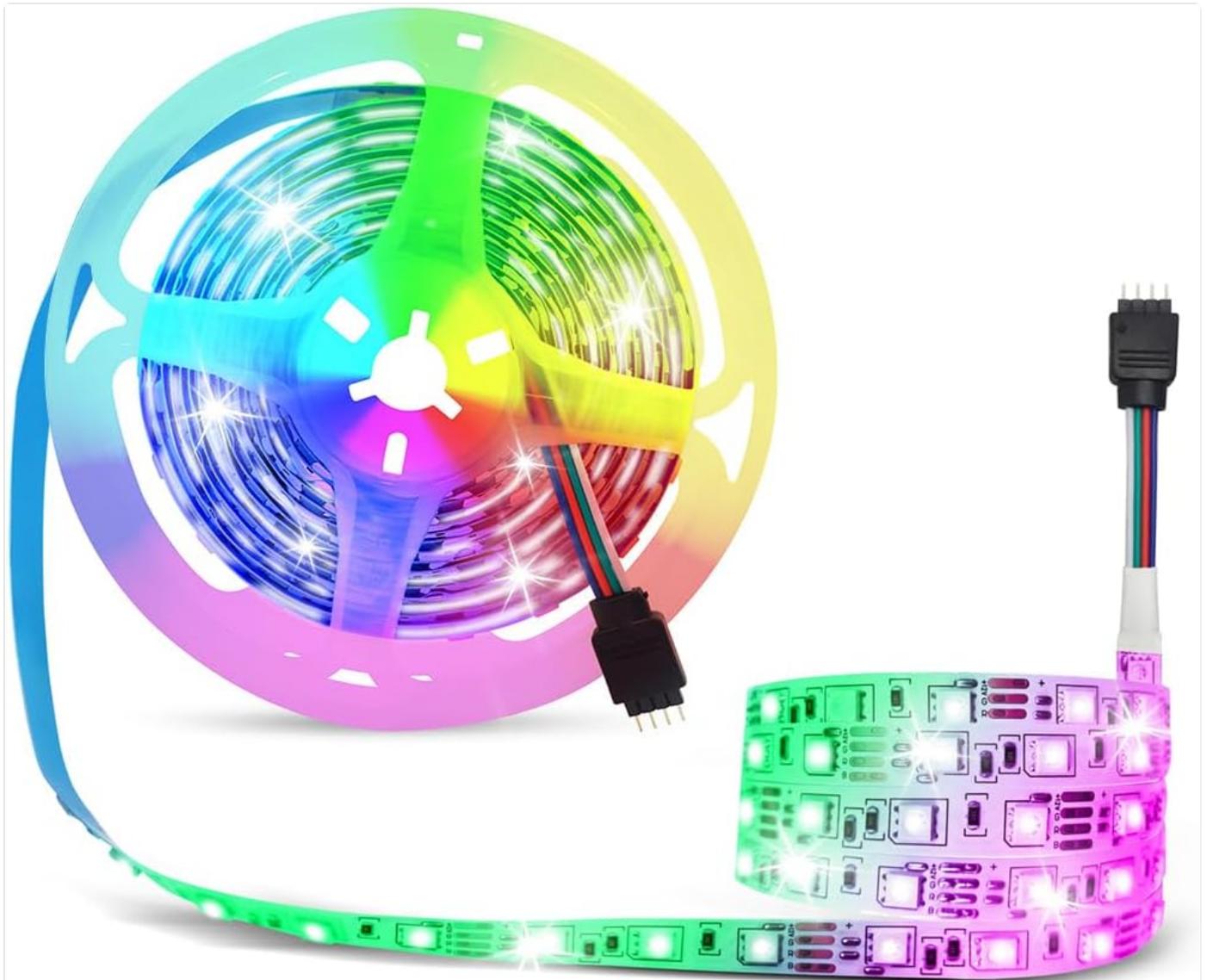

Image: A coiled section of the RGB LED strip lights with a connector, and a portion of the strip laid flat, showcasing its multi-color capabilities.

SAFETY INFORMATION

- **Indoor Use Only:** These LED strip lights are **NOT waterproof** and are designed for indoor use only. Avoid exposure to water or high humidity.

- **Low Voltage:** The strip operates at a safe 12V DC. However, always ensure the power adapter is disconnected from the main power supply before installation or maintenance.

- **Power Supply:** A power adapter and remote control are required but are **not included** with this product. Ensure you use a compatible 12V DC power adapter (at least 4A or 48W for full effect) and remote control.

- **Surface Preparation:** Before sticking the LED strip, ensure the surface is clean, dry, and smooth to ensure proper adhesion and prevent damage to the surface upon removal.

- **Cutting:** Only cut the LED strip at designated cutting marks. Cutting elsewhere may damage the strip.

- **Avoid Sharp Bends:** Do not bend the LED strip sharply or at extreme angles, as this can damage the internal circuitry.

PACKAGE CONTENTS

The package for your econoLED 12V Flexible SMD 5050 RGB LED Strip Lights typically includes:

- 1 x 16.4ft/5m Flexible SMD 5050 RGB LED Strip (Non-Waterproof)

- *Note: Power adapter and remote control are sold separately and are not included in this package.*

SETUP AND INSTALLATION

Follow these steps for proper installation:

1. Surface Preparation

Ensure the surface where you intend to install the LED strip is clean, dry, and free of dust or grease. Use a clean cloth to wipe the surface thoroughly.

Image: Illustration showing a hand wiping a surface, indicating the first step of installation.

2. Applying the LED Strip

Carefully peel off the adhesive backing tape from the LED strip. Press the strip firmly onto the prepared surface, ensuring good contact along its entire length. Avoid stretching the strip during application.

Image: Illustrations showing peeling off adhesive tape and pressing the LED strip onto a surface, detailing steps 2 and 3 of installation.

3. Connecting Components

Connect the 4-pin connector of the LED strip to a compatible RGB controller (not included). Then, connect the controller to a 12V DC power adapter (not included) and plug the adapter into a power outlet.

Image: A diagram illustrating the 4-pin connector and the SMD 5050 RGB LED type on the strip, highlighting its non-waterproof nature and double-sided adhesive tape.

4. Cutting and Linking

The LED strip can be cut to your desired length at the designated cutting marks (indicated by a scissor icon). This allows for customization without damaging the rest of the strip. You can also use specific connectors (not included) to link multiple strips or extend them.

Image: A diagram illustrating how the LED strip can be cut at marked intervals and how sections can be linked together using connectors.

OPERATING INSTRUCTIONS

Once installed and connected to a compatible power adapter and RGB controller (not included), operate your LED strip lights using the remote control.

- **Power On/Off:** Use the power button on your remote control to turn the lights on or off.

- **Color Selection:** Select from a wide range of colors, including Red, Green, Blue, and various mixed colors, using the color buttons on your remote.

- **Brightness Adjustment:** Adjust the brightness levels to suit your preference using the dimmer buttons.

- **Mode Selection:** Explore various dynamic modes such as flash, strobe, fade, or smooth transitions, depending on your remote control's capabilities. These modes can create different atmospheres for various occasions.

Image: Examples of LED strip lights used in different indoor settings, such as a living room, bedroom, and kitchen, showcasing various color atmospheres.

MAINTENANCE

- **Cleaning:** To clean the LED strip, gently wipe it with a dry, soft cloth. Do not use liquid cleaners or immerse the strip in water. Ensure the power is disconnected before cleaning.

- **Handling:** Avoid excessive bending, twisting, or pulling of the LED strip, especially at connection points, to prevent damage to the internal wiring.

- **Storage:** If storing the LED strip for an extended period, ensure it is coiled loosely and kept in a dry, cool place away from direct sunlight.

TROUBLESHOOTING

Problem	Possible Cause	Solution

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Lights do not turn on.	No power, loose connection, faulty power adapter/controller.	Check if the power adapter is plugged in and receiving power. Ensure all connections (strip to controller, controller to power adapter) are secure. Test with a different compatible power adapter or controller if available.
Incorrect colors or flickering.	Loose connection, faulty controller, damaged strip section.	Verify all 4-pin connections are firm and correctly aligned. If a section is damaged, it may need to be cut out and re-linked, or the strip replaced.
Adhesive not holding.	Surface not clean/dry, rough surface, old adhesive.	Ensure the surface is thoroughly cleaned and dried before application. For rough or textured surfaces, consider using additional adhesive clips or double-sided tape for better security.
Interference with other IR devices (e.g., TV remote).	Infrared emission from the LED strip or controller.	This can sometimes occur with certain LED products. Try repositioning the LED strip or the affected IR device. If the issue persists, consider using a different type of LED lighting or a controller that does not emit IR interference.

SPECIFICATIONS

Feature	Detail
Model Number	SYNCHKG023355
LED Type	SMD 5050 RGB
Length	16.4 ft (5 meters)
Number of LEDs	300 LEDs
Voltage	12 Volts DC
Wattage	60 watts
Color	RGB (Red, Green, Blue) - Multicolor
Material	Copper
Indoor/Outdoor Usage	Indoor Only
Water Resistance Level	Not Water Resistant
Control Method	Remote (requires separate controller)
Item Weight	2.72 ounces
UPC	681331351759, 609224104725, 601116330199

WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the product packaging or contact econoLED customer service directly through their official channels. Keep your purchase receipt as proof of purchase for any warranty claims.