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> ALED LIGHT 5050 10M 600Leds RGB LED Strip Light Kit Instruction Manual

ALED LIGHT AL103001

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Model: AL103001

Brand: ALED LIGHT

1. INTRODUCTION

The ALED LIGHT 5050 10M 600Leds RGB LED Strip Light Kit is designed to illuminate and enhance various indoor spaces with vibrant, customizable lighting. Featuring 600 high-quality 5050 SMD LEDs across a 10-meter strip, this kit offers a wide spectrum of colors and dynamic lighting modes. It is ideal for home lighting, kitchen decoration, bedrooms, ceilings, dining rooms, living rooms, porches, and closets.



Image: Examples of ALED LIGHT LED strips installed in various indoor settings, including bedrooms and living areas, demonstrating their decorative potential.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x 10-meter (32.8 ft) 5050 RGB 600 SMD LED Strip
- 1x IR Control Box
- 1x 44-Key Remote Control
- 1x 24V AC Power Supply
- Mounting Clips (quantity may vary)
- Connectors (for extending or rejoining cut strips)



Image: A complete view of the product components as they appear when unboxed, showing the LED strip, control unit, remote, power adapter, and mounting accessories.

3. SPECIFICATIONS

Feature	Detail
LED Type	5050 SMD LED
Color	RGB (16 Million Colors via App)
Length	10 meters (32.8 feet)
LED Count	600 LEDs (60 LEDs/meter)
Voltage	24 Volts
Wattage	120 watts
Average Lifespan	>50,000 hours
Control Method	44-Key IR Remote, Bluetooth App ("duoCo Strip")
Special Features	Smart Music Mode, Timing Function, Memory Function, Cuttable (every 3-LEDs), Self-adhesive back
Usage Environment	Indoor
Water Resistance Level	Not Water Resistant

WHY CHOOSE 600 SMD 5050 LEDs

TWICE BRIGHTER THAN 300 LEDs / 10M



Image: Detailed view of the 600 SMD 5050 LEDs on the strip, emphasizing their brightness and higher density compared to other LED strips.

4. SAFETY INFORMATION

- Always ensure all connections are correct and secure before plugging the power supply into an electrical outlet.
- This product is designed for indoor use only and is not water resistant. Do not expose the LED strip, control box, or power supply to water, moisture, or high humidity.
- Do not cut the LED strip while it is connected to power. Always disconnect the power supply before making any modifications or cuts.
- Use only the provided 24V AC power supply. Using an incompatible power supply may damage the product and void the warranty.
- Keep the product out of reach of children and pets.
- Avoid prolonged direct eye exposure to the LED lights, as they can be very bright.
- Ensure proper ventilation around the power supply and control box to prevent overheating.

5. SETUP GUIDE

1. **Unpack Components:** Carefully remove the LED strip, IR control box, 44-key remote control, and power supply from the packaging.
2. **Plan Installation:** Before adhering, unroll the LED strip and lay it out in your desired location to ensure it fits and reaches the power source. Ensure the surface is clean, dry, and smooth for optimal adhesion.
3. **Connect LED Strip to Control Box:** Locate the 4-pin connector on the LED strip and the corresponding port on the IR Control Box. Align the arrows on both connectors and gently push them together until secure.
4. **Connect Power Supply:** Plug the output cable of the 24V AC Power Supply into the input port of the IR Control Box.
5. **Initial Test:** Plug the power supply into a standard wall outlet. The LED strip should illuminate. If not, check all connections.
6. **Activate Remote Control:** Remove the clear plastic tab from the battery compartment of the 44-key remote control. Point the remote directly at the IR receiver on the control box to operate the lights.
7. **App Installation (Optional):** For advanced control, download the "duoCo Strip" app. You can find the QR code for the app download on the IR Control Box or in the included user instruction manual. Alternatively, you can visit <http://www.easytrack.net.cn/download/111SHENZHENSHUANGHONGYUAN> for the app. Enable Bluetooth on your smartphone and connect to the LED controller via the app.
8. **Adhere LED Strip:** Once you have confirmed the lights are working correctly, peel off the self-adhesive backing from the LED strip. Carefully press the strip firmly onto your chosen surface. For long-term stability, use the provided mounting clips at regular intervals.
9. **Cutting and Rejoining (Optional):** The LED strip can be cut every 3 LEDs at the designated cutting marks (indicated by a copper pad and scissor icon). Ensure the power is disconnected before cutting. If you need to rejoin cut sections or connect multiple strips, use appropriate 4-pin connectors (sold separately or included as accessories). Ensure the polarity (arrows) aligns when connecting.

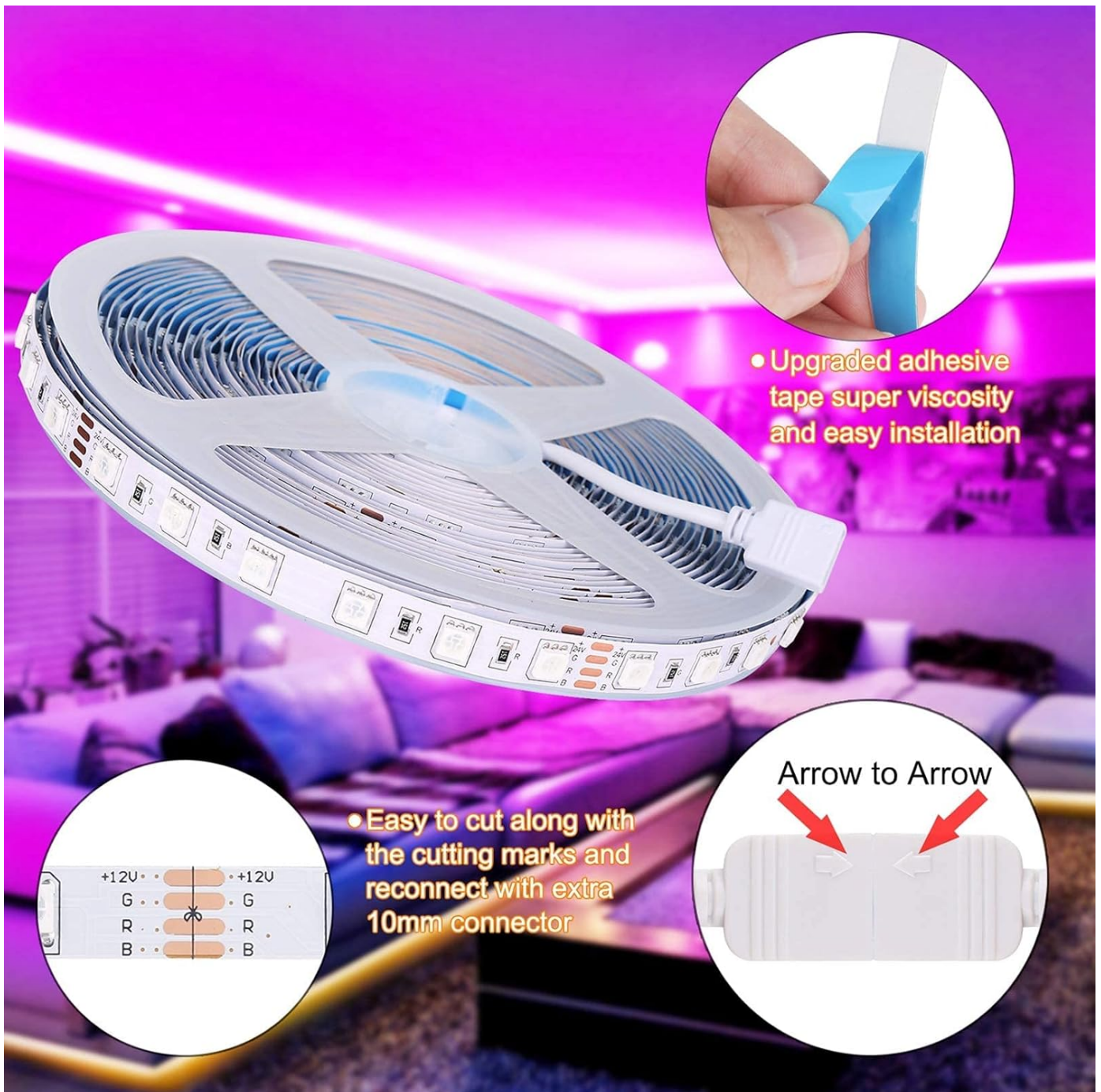


Image: Instructions on how to cut the LED strip and ensure proper connection by aligning the arrows on the connectors.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing, connection, and various lighting modes of the ALED LIGHT LED strip, including remote control operation and application in different settings.

6. OPERATING INSTRUCTIONS

6.1. Using the 44-Key IR Remote Control

Ensure the remote control has a clear line of sight to the IR receiver on the control box.

- **Power ON/OFF:** Use the red (ON) and black (OFF) buttons at the top right.
- **Color Selection:** Press the dedicated RGB buttons (Red, Green, Blue) or any of the 20 pre-set color buttons.
- **Brightness Adjustment:** Use the "V+" and "V-" buttons to increase or decrease brightness.
- **DIY Colors:** The remote allows for custom color mixing. Press a DIY button, then use the RGB up/down arrows to adjust the intensity of each color (Red, Green, Blue) to create your desired shade. Press the same DIY button again

to save.

- **Dynamic Modes:** Select from various pre-programmed modes like FLASH, STROBE, FADE, SMOOTH, JUMP3, JUMP7, FADE3, FADE7 using the corresponding buttons.
- **Speed Adjustment:** Use the "QUICK" and "SLOW" buttons to adjust the speed of dynamic modes.

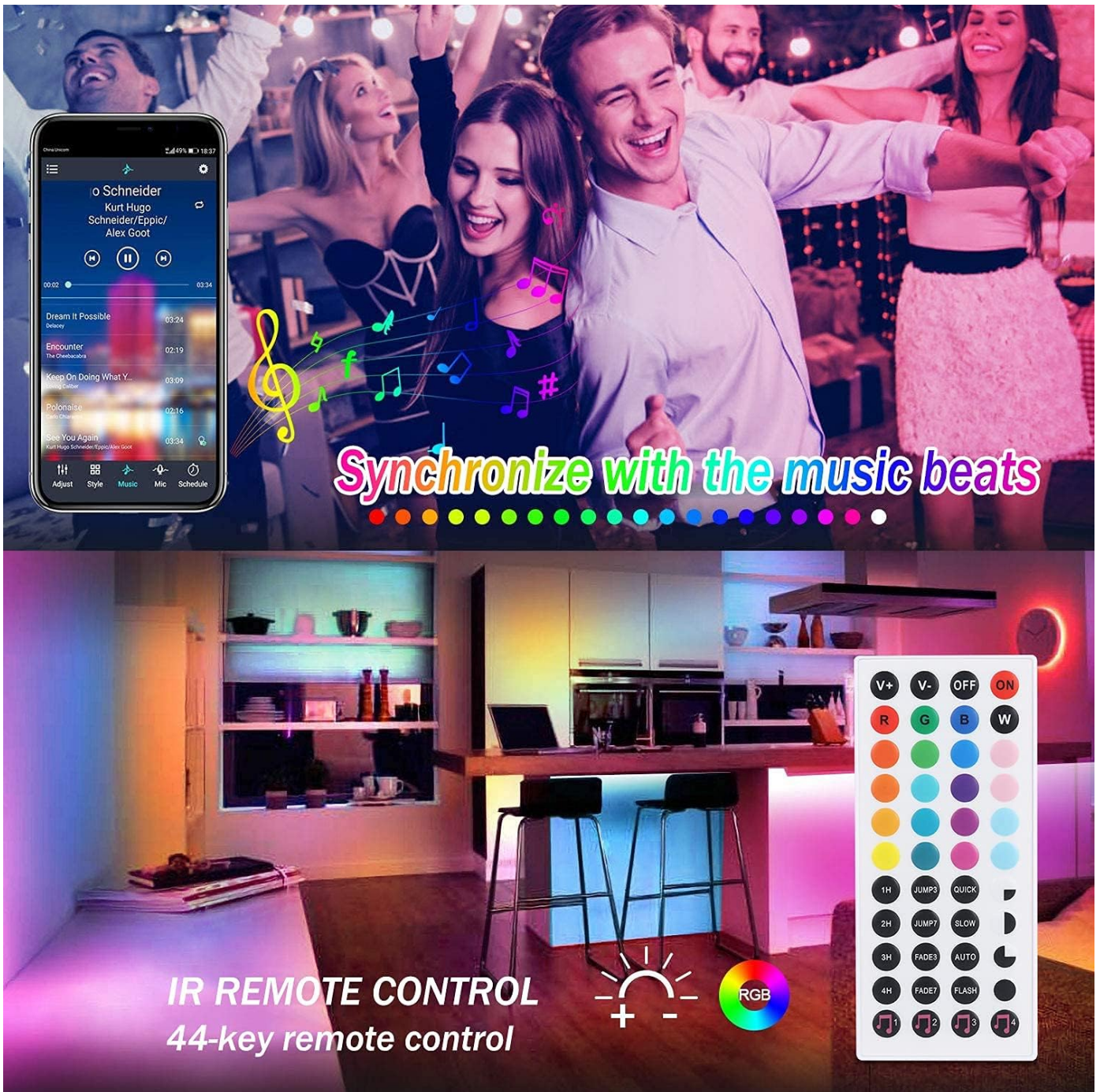


Image: The 44-key IR remote control and the LED strip in action, demonstrating its ability to synchronize with music beats.

6.2. Using the "duoCo Strip" App

After installing the app and connecting via Bluetooth:

- **Color Mode:** Access a color wheel to select from 16 million colors. Adjust brightness and saturation.
- **Style Mode:** Choose from a wider range of dynamic lighting effects and customize their speed and brightness.
- **Music Mode:** The built-in high-sensitivity microphone allows the lights to change flashing frequency and color with the rhythm of music or your voice. Adjust sensitivity within the app.
- **MIC Mode:** Similar to Music Mode, but specifically uses the device's microphone to pick up ambient sounds and sync the lights.

- **Timing Function:** Set specific times for the LED strip to automatically turn ON or OFF. The memory function will recall the last used settings.



Image: The "duoCo Strip" app interface, illustrating its various control modes including color selection, dynamic styles, music synchronization, and timing functions.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing, connection, and various lighting modes of the ALED LIGHT LED strip, including remote control operation and application in different settings.

7. MAINTENANCE

- **Cleaning:** Gently wipe the LED strip and control box with a dry, soft cloth to remove dust. Do not use liquid cleaners or abrasive materials.
- **Handling:** Avoid bending the LED strip sharply, especially at the connection points or where individual LEDs are located, as this can damage the circuitry.
- **Ventilation:** Ensure the power supply and IR control box are placed in well-ventilated areas to prevent overheating.

Do not cover them.

- **Storage:** If storing the LED strip for an extended period, ensure it is clean, dry, and rolled loosely to prevent kinks or damage.

8. TROUBLESHOOTING

- **Lights not turning on:**

- Check if the power supply is securely plugged into both the wall outlet and the IR control box.
- Ensure the plastic tab has been removed from the remote control's battery compartment.
- Verify that the 4-pin connector between the LED strip and the control box is fully inserted and the arrows on both parts are aligned.
- Try plugging the power supply into a different electrical outlet.

- **Remote control not responding:**

- Ensure there is a direct line of sight between the remote and the IR receiver on the control box. Obstructions can block the signal.
- Check the remote control's battery. Replace if necessary.
- Try controlling the lights using the "duoCo Strip" app to determine if the issue is with the remote or the control box.

- **Colors are incorrect or uneven:**

- Double-check the connection between the LED strip and the control box, ensuring the arrows are perfectly aligned. Misalignment can cause incorrect color display.
- If using multiple extended strips, ensure proper power distribution to avoid voltage drop, which can lead to color inconsistencies.
- Try unplugging the power supply for a few seconds and then plugging it back in to reset the system.

- **Music mode not responding or syncing poorly:**

- Ensure the built-in microphone on the IR control box is not obstructed and is positioned to pick up sound effectively.
- Adjust the microphone sensitivity settings within the "duoCo Strip" app.
- Verify that your device is properly connected to the control box via Bluetooth.

9. WARRANTY AND SUPPORT

The ALED LIGHT 5050 10M 600Leds RGB LED Strip Light Kit comes with a **36-month unlimited warranty**, ensuring peace of mind regarding product quality and performance.

If you encounter any issues with the product, including the power adapter or other accessories, or require technical assistance, please do not hesitate to contact ALED LIGHT customer service. You can typically reach support through the messaging system on the platform where you purchased the product or by visiting the official ALED LIGHT website for contact information.

Please have your order details and product model number (AL103001) ready when contacting support to facilitate a quicker resolution.

