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- › SUPERNIGHT LED Strip Lights SMD 5050 (16.4FT/5M) Instruction Manual

SUPERNIGHT st-ting-l263

SUPERNIGHT LED Strip Lights SMD 5050 (16.4FT/5M) Instruction Manual

Model: st-ting-l263

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SUPERNIGHT 16.4FT (5M) SMD 5050 RGB LED Strip Lights. These flexible LED strips are designed for indoor use, offering vibrant color-changing illumination. Please read this manual thoroughly before use to ensure proper and safe operation.

2. SAFETY INFORMATION

- Ensure the power supply (not included) matches the specified voltage (12V) and current requirements of the LED strip. Incorrect power can damage the product or pose a fire hazard.
- This product is rated IP65 waterproof, meaning it is protected against low-pressure water jets from any direction. It is intended for **indoor use only** and should not be submerged in water or exposed to heavy outdoor weather conditions.
- Do not connect the LED strip directly to AC power. A DC 12V power adapter is required.
- Avoid bending the LED strip sharply, especially at the solder joints, as this can damage the circuit.
- Only cut the LED strip at designated cutting marks (indicated by a scissor icon) to avoid damaging the circuit.
- Keep out of reach of children.
- Do not cover the LED strip with materials that could trap heat, as this may lead to overheating.

3. PACKAGE CONTENTS

The SUPERNIGHT LED Strip Lights package includes:

- 1 x SUPERNIGHT 16.4FT (5M) SMD 5050 RGB LED Strip (Model: st-ting-l263)

Note: A DC 12V Power Adapter and an RGB remote controller are **not included** and must be purchased separately for full functionality.



Image 3.1: The SUPERNIGHT LED Strip Lights, showing the coiled strip and product packaging. Note that the power adapter and controller are sold separately.

4. PRODUCT FEATURES

- **SMD 5050 LED Technology:** Features 300 high-brightness RGB LEDs on a 16.4ft (5M) flexible PCB board.
- **Vibrant Color Changing:** Capable of displaying a wide range of colors including red, green, blue, white, purple, yellow, pink, orange, and various colorful combinations.
- **IP65 Waterproof Rating:** The PCB is covered with a polyester resin material, protecting the LEDs against multi-directional, low-pressure water jets. Suitable for indoor use.
- **Cuttable and Joinable:** The strip can be cut at designated scissor marks to adjust length. Additional strips can be connected using appropriate connectors (not included).
- **Easy Installation:** Equipped with double-sided adhesive tape on the back for simple and secure mounting.
- **Versatile Application:** Ideal for accent lighting in bedrooms, under cabinets, TV backlighting, aquariums, and other indoor decorative lighting needs.



Image 4.1: Detailed view of the LED strip highlighting the 5050 SMD LEDs, IP65 waterproof coating, and the designated cutting line.

5. SETUP

5.1 Required Components (Not Included)

- DC 12V Power Adapter
- RGB Remote Controller (for color changing and mode selection)

5.2 Installation Steps

1. **Prepare the Surface:** Clean the surface where the LED strip will be installed. Ensure it is dry, smooth, and free of dust or oil for optimal adhesive performance.
2. **Measure and Cut (Optional):** If a shorter length is desired, measure the required length and carefully cut the strip only at the designated cutting marks, indicated by a scissor icon. Cutting elsewhere will damage the circuit.



Image 5.1: The LED strip can be cut at specific points marked with a scissor icon to adjust its length.

3. **Peel and Stick:** Carefully peel off the protective backing from the double-sided adhesive tape on the back of the LED strip. Press the strip firmly onto the prepared surface, ensuring good contact along its entire length.
4. **Connect to Controller:** Connect the 4-pin connector of the LED strip to your RGB remote controller (not included). Ensure the arrows on both connectors align.
5. **Connect Power:** Connect the RGB remote controller to a compatible DC 12V power adapter (not included). Then, plug the power adapter into a power outlet.



Image 5.2: Connection diagram illustrating how to link the LED strip to a controller and a 12V power adapter. These additional components are not included.

6. OPERATING INSTRUCTIONS

Once the LED strip is properly installed and connected to a power source and RGB controller (not included), you can operate it using the remote controller.

- **Power On/Off:** Use the power button on your remote controller to turn the lights on or off.
- **Color Selection:** Select desired colors (Red, Green, Blue, White, etc.) directly from the remote controller's color palette.
- **Brightness Adjustment:** Increase or decrease the brightness using the dedicated brightness control buttons on the remote.
- **Mode Selection:** Choose from various dynamic modes (e.g., flash, strobe, fade, smooth) to create different lighting effects.



Image 6.1: The LED strip displaying a range of colors, demonstrating its RGB capabilities.

For specific functions and button layouts, refer to the instruction manual provided with your RGB remote controller.

7. MAINTENANCE

- **Cleaning:** Gently wipe the LED strip with a dry, soft cloth to remove dust. Do not use harsh chemicals or abrasive cleaners. Ensure the strip is powered off and unplugged before cleaning.
- **Inspection:** Periodically check the strip for any signs of damage, such as cracks in the resin coating or loose connections.
- **Adhesive Longevity:** If the adhesive begins to lose its stickiness, additional mounting clips or stronger adhesive tape may be used to secure the strip.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lights do not turn on.	No power, incorrect power adapter, loose connection, faulty controller.	Verify power adapter is plugged in and functional. Ensure it is a DC 12V adapter. Check all connections between the strip, controller, and power adapter. Test with a different controller if available.
Lights are dim or flicker.	Insufficient power supply, voltage drop over long distance, faulty section of strip.	Ensure power adapter provides sufficient wattage for the entire strip length. Consider using a stronger power supply or shorter strip segments. Inspect the strip for physical damage.
Colors are incorrect or inconsistent.	Incorrect connection to controller (RGB pins reversed), faulty controller, damaged LEDs.	Check the 4-pin connector to ensure the arrows are aligned correctly. Test with a different controller. If only a section is affected, that part of the strip may be damaged.
Adhesive is not sticking.	Surface not clean/dry, unsuitable surface material, old adhesive.	Clean the surface thoroughly with rubbing alcohol and let it dry completely before application. For porous or uneven surfaces, use additional mounting clips or a stronger adhesive.

9. SPECIFICATIONS

Brand	SUPERNIGHT
Model Number	st-ting-l263
LED Type	SMD 5050
LED Quantity	300 LEDs
Strip Length	16.4 Feet (5 Meters)
Color	RGB (Red, Green, Blue) - Color Changing
Waterproof Rating	IP65 (Indoor Use Only)
Voltage	12 Volts DC
Power Source	Corded Electric (Adapter not included)
Control Method	Remote (Controller not included)
Material	Resin
Item Weight	8 ounces
Product Dimensions	5 x 5 x 1 inches (packaged)

10. OFFICIAL PRODUCT VIDEOS

The following video is provided by the seller to demonstrate product features and applications.

Your browser does not support the video tag.

Video 10.1: Demonstration of the SUPERNIGHT LED Strip's waterproof features and multi-color capabilities. This video showcases the strip's flexibility and various lighting effects.

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official SUPERNIGHT website. Keep your purchase receipt as proof of purchase for any warranty claims.