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› SUPERNIGHT LED Strip Lights User Manual

SUPERNIGHT st-ting-l263

SUPERNIGHT LED Strip Lights User Manual

Model: st-ting-l263

1. INTRODUCTION

Thank you for choosing SUPERNIGHT LED Strip Lights. This manual provides essential information for the safe and effective use of your 32.8 FT (10M) SMD 5050 RGB LED Strip. This flexible LED strip is designed for indoor use, offering vibrant color-changing capabilities to enhance various environments such as bedrooms, TV backlighting, and decorative lighting for holidays like Christmas and Halloween. Please read these instructions carefully before installation and operation.



Image 1.1: SUPERNIGHT LED Strip Lights packaging and product reel.

2. PACKAGE CONTENTS

Your SUPERNIGHT LED Strip Lights package includes:

- 1 x 32.8 FT (10M) SMD 5050 RGB LED Strip

Note: A DC 24V power adapter and a controller (remote or smart) are NOT included in this package and must be purchased separately for operation.

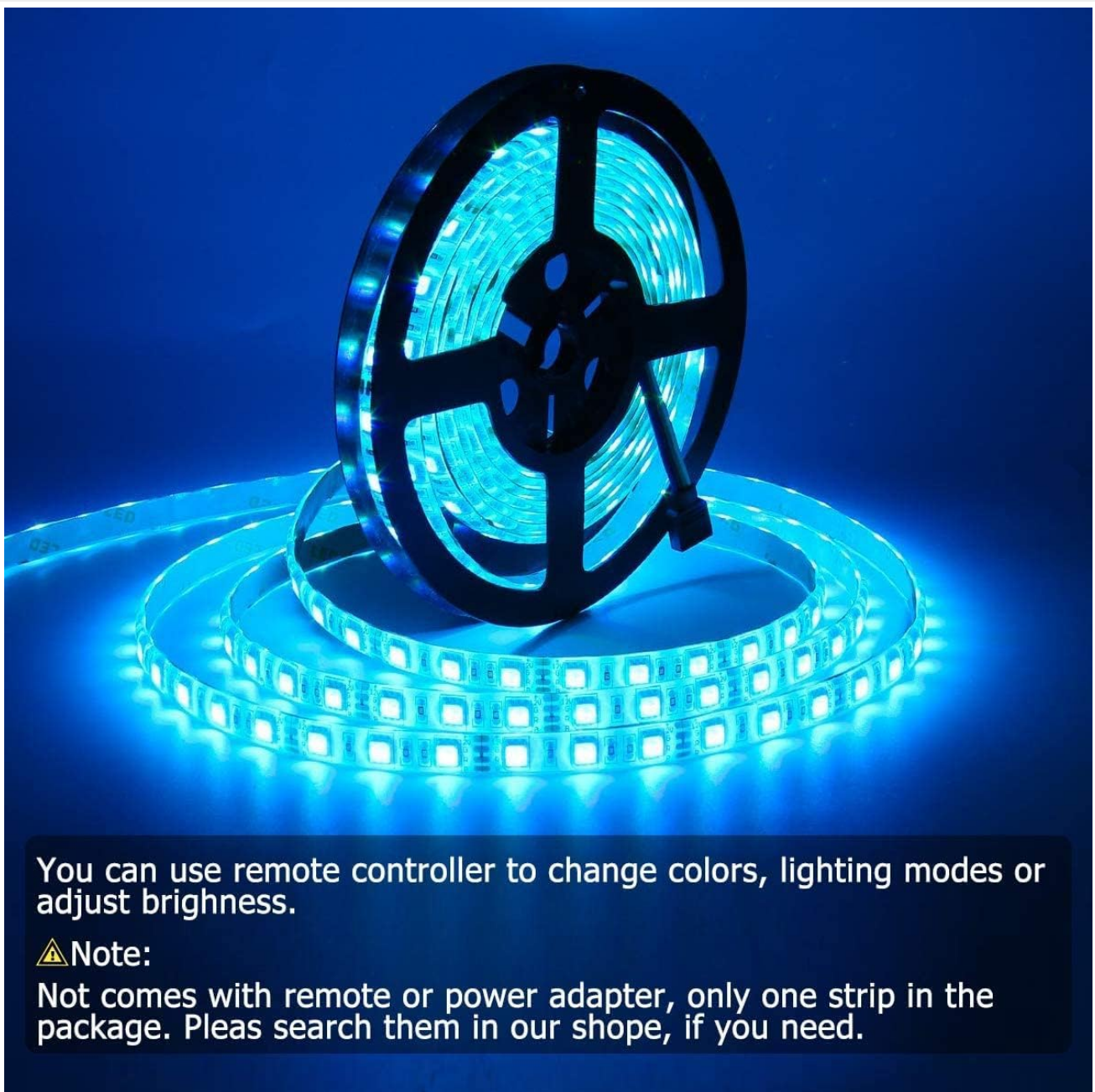


Image 2.1: Illustration of components not included with the LED strip.

3. SAFETY INFORMATION

- This LED strip requires a **DC 24V power supply**. Using a 12V power supply will result in incorrect operation, typically displaying only red light.
- The LED strip is IP65 waterproof, meaning it is protected against multi-directional, low-pressure water jets. It is designed for **indoor use only**. Do not submerge in water.
- Ensure the power supply is disconnected before installation or maintenance.
- Do not bend the strip sharply or apply excessive force, as this may damage the LEDs or circuit board.
- Keep out of reach of children.



Image 3.1: Visual reminder of the 24V power supply requirement.

4. SETUP AND INSTALLATION

1. **Prepare the Surface:** Ensure the installation surface is clean, dry, and smooth. Dust, dirt, or moisture can affect the adhesive.
2. **Unroll the Strip:** Carefully unroll the LED strip from its reel.
3. **Measure and Cut (Optional):** If a shorter length is desired, locate the scissor marks along the strip. Cut only at these designated points.
4. **Peel Adhesive Backing:** Peel off a small section of the double-sided adhesive tape from the back of the PCB.
5. **Attach the Strip:** Press the exposed adhesive firmly onto the desired surface, gradually peeling off more backing as you go. Ensure even pressure along the entire length.
6. **Connect to Controller and Power Supply:** The LED strip features a 4-pin connector. Connect this to a compatible RGB LED controller (not included). Then, connect the controller to a **DC 24V power supply** (not included).



Image 4.1: Key features of the LED strip, including the 24V requirement and cutting points.



Image 4.2: Cutting the LED strip at the marked intervals.

5. OPERATING THE LED STRIP

Once properly installed and connected to a 24V power supply and a compatible controller (e.g., an RGB remote controller), you can operate your LED strip. The SMD 5050 LEDs allow for a wide range of colors and effects.

- **Color Changing:** Use your controller to select various colors such as red, green, blue, white, purple, yellow, pink, orange, and other colorful combinations.
- **Brightness Adjustment:** Most controllers allow you to adjust the brightness of the lights.
- **Lighting Modes:** Depending on your controller, various lighting modes (e.g., flash, fade, strobe) may be available.
- **Applications:** These lights are ideal for creating ambient lighting in bedrooms, kitchens, TV backlighting, under cabinet lighting, car interiors, aquariums, and E-sports rooms. They are also perfect for holiday decorations, including Halloween and Christmas.



Image 5.1: Examples of various colors achievable with the LED strip.



ENJOY YOUR PARTY



Image 5.2: LED strip lights enhancing a party atmosphere.

Your browser does not support the video tag.

Video 5.3: Demonstration of the LED strip's color-changing capabilities and flexibility. This video showcases the strip being unboxed, its adhesive backing, and various colors it can produce, highlighting its versatility for different lighting needs.

6. MAINTENANCE

- **Cleaning:** To clean the LED strip, gently wipe it with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.
- **Adhesive:** The strip comes with double-sided adhesive tape for easy installation. If the adhesive loses its stickiness over time, additional mounting clips or stronger adhesive tape may be required.
- **Storage:** If storing the strip, ensure it is coiled neatly and kept in a dry, cool environment away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
LED strip only lights up red or colors are incorrect.	Incorrect power supply voltage (e.g., 12V instead of 24V).	Ensure you are using a DC 24V power supply . This strip is designed specifically for 24V.
LED strip does not light up at all.	No power, loose connection, or faulty power supply/controller.	Check all connections are secure. Verify the power supply is plugged in and functioning. Test with a known working 24V power supply and controller if possible.
Adhesive is not sticking well.	Surface is dirty, dusty, or not smooth. Adhesive may have lost tackiness.	Clean the surface thoroughly before application. For existing installations, use additional mounting clips or stronger double-sided tape.
Some sections of the strip are not lighting up.	Damage to the circuit or LEDs in that section.	If the damage is at a cutting point, you may cut the faulty section and re-connect the remaining parts using appropriate connectors (not included). If damage is elsewhere, the strip may need replacement.

8. SPECIFICATIONS

- **Brand:** SUPERNIGHT
- **Model:** st-ting-l263
- **Length:** 32.8 FT (10 Meters)
- **LED Type:** SMD 5050 RGB
- **Number of LEDs:** 600 LEDs
- **Color:** RGB (Red, Green, Blue) - Multicolor
- **Voltage:** 24 Volts (DC)
- **Wattage:** 120 watts
- **Water Resistance Level:** IP65 (Indoor Use Only)
- **Special Feature:** Color Changing, Flexible, Cuttable, Adhesive Backing
- **Material:** Resin
- **Item Weight:** 13.7 ounces
- **Product Dimensions:** 5.71 x 3.35 x 6.1 inches (packaged)



Image 8.1: Visual comparison of LED density on the strip.

9. 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. Ensure you have your product model number (st-ting-l263) and purchase details available when contacting support.