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› SUPERNIGHT 16.4ft 5050 RGB LED Strip Lights Instruction Manual

SUPERNIGHT E050

SUPERNIGHT 16.4ft 5050 RGB LED Strip Lights Instruction Manual

Model: E050 | Brand: SUPERNIGHT

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SUPERNIGHT 16.4ft 5050 RGB LED Strip Lights. Please read this manual thoroughly before use to ensure proper functionality and safety. This product is designed for indoor lighting and decoration, offering vibrant color-changing capabilities.

PRODUCT OVERVIEW

The SUPERNIGHT 16.4ft 5050 RGB LED Strip Lights are versatile and easy to install, featuring a black PCB for a discreet appearance. Key features include:

- IP65 waterproof rating (strip only; remote controller and power supply are not included).
- 16.4 feet (5 meters) in length with 300 high-quality SMD 5050 LEDs.
- Cuttable and linkable design: Every 3 LEDs can be cut at designated marks for custom lengths.
- Equipped with double-sided adhesive tape for easy application on clean, dry, and flat surfaces.
- Ideal for various indoor lighting and decoration purposes, such as kitchens, under cabinets, dining rooms, bedrooms, and for festive occasions like Christmas and Halloween.



This image shows the SUPERNIGHT 16.4ft 5050 RGB LED Strip Lights coiled on a black reel, alongside its product packaging. The strip features a black PCB and is designed for color-changing illumination.

WHAT'S IN THE BOX

Your SUPERNIGHT 16.4ft 5050 RGB LED Strip Lights package includes:

- 1 x LED Light Strip (16.4ft / 5M)

Please note: A remote controller and power supply are NOT included with this product and must be purchased separately.

SETUP INSTRUCTIONS

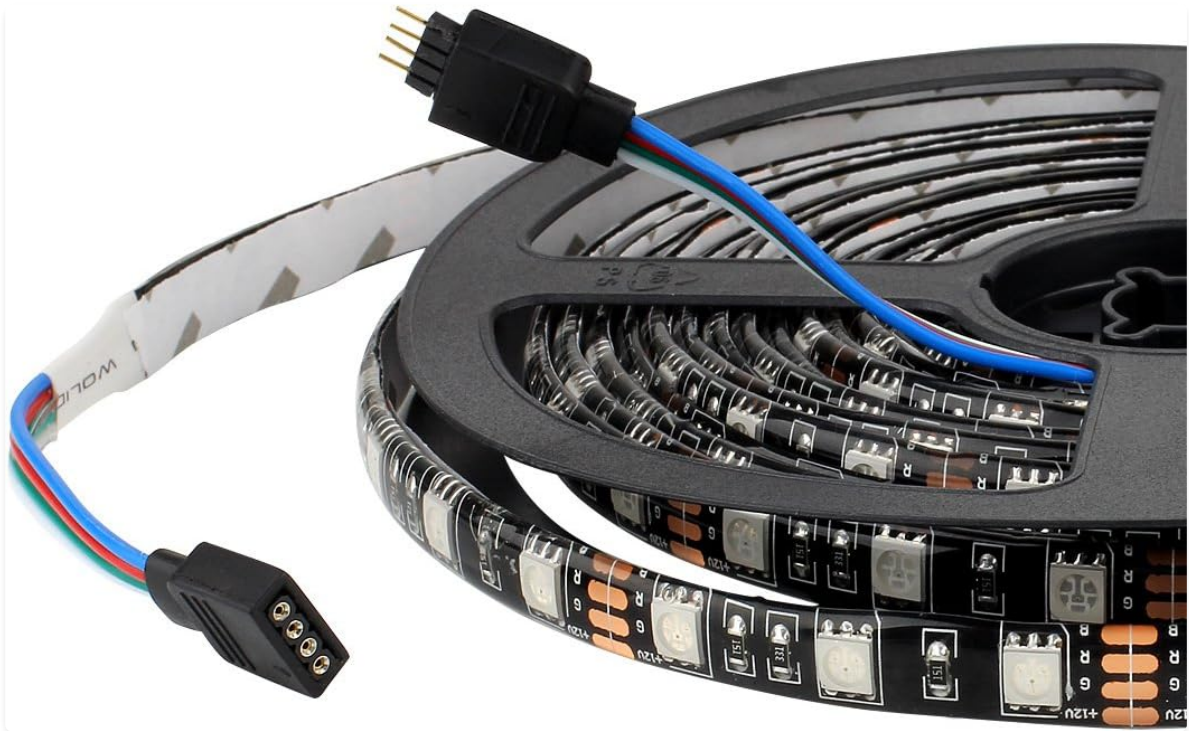
Preparation

- Ensure the surface where the LED strip will be installed is clean, dry, and flat.
- Unroll the LED strip carefully from the reel.
- This product requires a compatible 12V power supply and an RGB controller (not included) for operation.

Installation Steps

1. **Connect Power and Controller:** Attach your compatible 12V power supply and RGB controller (not included) to the designated 4-pin connectors on the LED strip. Ensure correct polarity to avoid damage.
2. **Test Functionality:** Before permanent installation, plug in the power supply and test the LED strip with your controller to ensure all colors and functions work correctly.
3. **Adhesive Application:** Peel off the protective backing from the double-sided adhesive tape on the back

of the LED strip. Press the strip firmly onto the desired surface. For optimal adhesion, ensure the surface is free of dust and grease.



This close-up image highlights the double-sided adhesive tape on the back of the LED strip, along with the 4-pin connector for power and RGB signal input. The adhesive allows for easy mounting on various surfaces.

- Cutting (Optional):** If shortening the strip is necessary, cut only along the designated cut marks (usually every 3 LEDs), indicated by copper pads. Use sharp scissors to ensure a clean cut. Cutting elsewhere will damage the strip.



This image demonstrates how to safely cut the LED strip. The strip can be cut every 3 LEDs at the marked copper pads, allowing for customization of length.

5. **Linking (Optional):** If extending or connecting multiple strips, use appropriate 4-pin connectors (not included) at the designated cut marks.

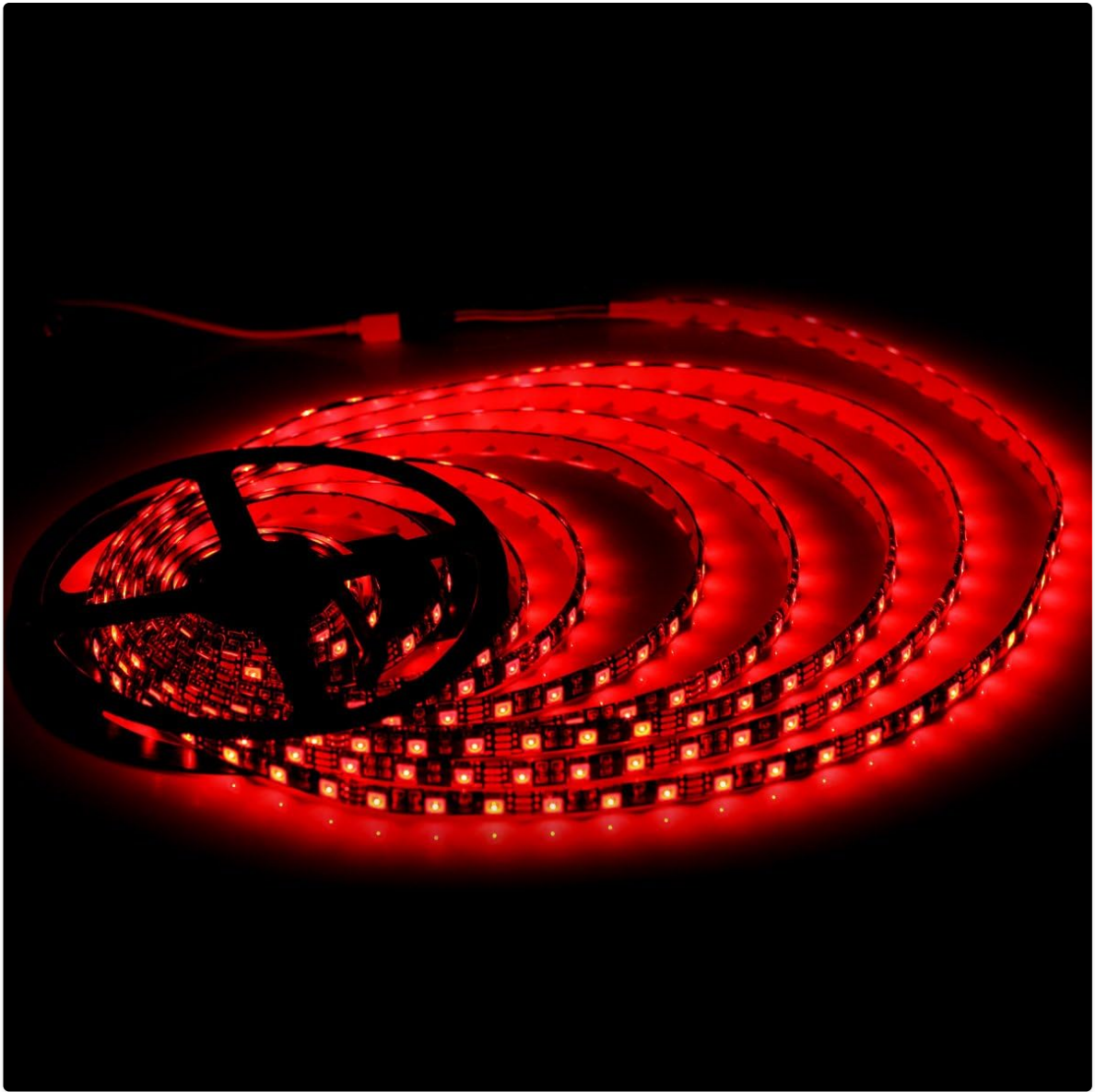
OPERATING INSTRUCTIONS

Once installed and connected to a compatible RGB controller (not included), use the controller to operate the LED strip lights:

- **Power On/Off:** Use the power button on your controller to turn the lights on or off.
- **Color Selection:** Select desired colors (Red, Green, Blue, or mixed colors) using the color buttons or wheel on your controller.



The LED strip is shown emitting a vibrant blue light, demonstrating one of the many color options available.



The LED strip is shown emitting a vibrant green light, demonstrating another color option.



The LED strip is shown emitting a vibrant red light, demonstrating another color option.

- **Brightness Adjustment:** Adjust the brightness level using the dimmer controls on your controller.
- **Mode Selection:** Choose from various dynamic modes (e.g., flash, fade, jump) if supported by your controller.

MAINTENANCE

- **Cleaning:** Gently wipe the LED strip with a soft, dry cloth to remove dust. Do not use abrasive cleaners or solvents, as these can damage the strip or its waterproof coating.
- **Waterproof Rating:** The LED strip has an IP65 waterproof rating, meaning it is protected against low-pressure water jets from any direction. It is suitable for indoor use and areas where it might encounter splashes, but it is **not** designed for submersion in water.
- **Adhesive Longevity:** If the adhesive weakens over time, additional mounting clips or stronger adhesive tape (e.g., 3M VHB tape) may be used for reinforcement. Ensure any additional adhesive is suitable for the surface and environment.

TROUBLESHOOTING

Issue	Solution
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Issue	Solution
Lights do not turn on.	Check power supply connection and ensure it is a compatible 12V supply. Verify the RGB controller is properly connected and functioning. Ensure the power outlet is active.
Some LEDs are not lighting up.	Inspect the strip for physical damage or improper cuts. Ensure all connections (power, controller, and any linking connectors) are secure.
Colors are incorrect or inconsistent.	Verify the RGB controller is compatible with 5050 RGB strips and that the 4-pin connector is correctly aligned (RGB pins matched). Try resetting the controller if it has that function.
Adhesive is not holding.	Ensure the installation surface was thoroughly cleaned, dry, and smooth before application. For long-term or heavy-duty applications, consider using additional mounting clips or a stronger adhesive tape (e.g., 3M VHB tape) for reinforcement.

SPECIFICATIONS

Feature	Detail
Brand	SUPERNIGHT
Model	E050
Length	16.4ft (5M)
LED Type	SMD 5050
LED Quantity	300 pcs
Water Resistance Level	IP65 (Waterproof)
Power Source	Corded Electric (Requires external 12V power supply, not included)
Light Color	RGB
Wattage	60 watts
Item Weight	8.1 ounces
Product Dimensions (L x W x H)	6.69 x 6.69 x 0.87 inches

WARRANTY AND SUPPORT

Specific warranty information and support details are not provided in this manual. For warranty claims, technical assistance, or product inquiries, please contact SUPERNIGHT customer service directly or refer to the product listing on the retailer's website where you made your purchase.

For more information, you may visit the official SUPERNIGHT store: [SUPERNIGHT Store](#)

