

B09NNNTNH4

Generic 5V USB COB LED Strip Light User Manual

Model: B09NNNTNH4

1. INTRODUCTION

Thank you for purchasing the Generic 5V USB COB LED Strip Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new LED strip light. Please read these instructions carefully before use and retain them for future reference.

2. PRODUCT FEATURES

- Energy Efficient & Bright:** USB powered (DC 5V) COB LED strip, providing up to 1200 Lumens of warm white light (3000-3500K).
- Advanced COB Design:** Utilizes 320 LED chips per meter for uniform illumination without visible dots.
- Flexible for DIY Projects:** Highly flexible design allows bending at various angles, suitable for installation in narrow spaces.
- Linear Lighting:** 180-degree beam angle ensures soft, uniform light distribution, eliminating dark spots.
- Durable & Long-lasting:** Constructed with advanced technology and materials for over 50,000 hours of rated lifespan.
- Safe & Eco-friendly:** No mercury, no UV radiation, safe for eyes.

3. PACKAGE CONTENTS

The package includes:

- 1 x 5-meter (16.4FT) 5V COB LED Strip Light (Warm White 3000-3500K)
- Note: Power supply is not included. A standard 5V USB power source is required.*

4. SPECIFICATIONS

Product Name	5V COB LED Strip Light
LED Chip Type	COB LED
LEDs Quantity	320 LEDs/meter
Input Voltage	DC 5V
Working Voltage	DC 5V

Power	9-10W/meter
Color Rendering Index (CRI)	>90Ra
Length	5 meters (16.4 feet)
Light Color	Warm White (3000-3500K)
PCB Width	10mm
View Angle	180°
Waterproof Rating	IP33 (Non-waterproof, for indoor use only)
Operation Temperature	-20°C to +45°C
Storage Temperature	-20°C to +60°C
Connectivity Technology	USB
Control Method	Remote (if included with specific variant, otherwise direct power)

5. SAFETY INFORMATION

- Ensure the power source is 5V DC. Using a higher voltage power supply will damage the strip light.
- Do not connect the strip light directly to AC power.
- This product is rated IP33, meaning it is not waterproof. Avoid exposure to water or high humidity.
- Do not bend the strip light sharply or fold it at angles greater than 90 degrees, except at designated cutting points.
- Only cut the strip light at the marked cutting points (usually indicated by copper pads). Cutting at other positions will damage the circuit and render that section unusable.
- Ensure the installation surface is clean, dry, and smooth for proper adhesion.
- Keep out of reach of children.
- Do not cover the strip light with materials that could trap heat, as this may cause overheating.

6. SETUP AND INSTALLATION

Follow these steps for proper installation:

1. **Prepare the Surface:** Clean the desired installation surface thoroughly. Ensure it is dry, smooth, and free of dust or grease. This is crucial for the adhesive to bond effectively.

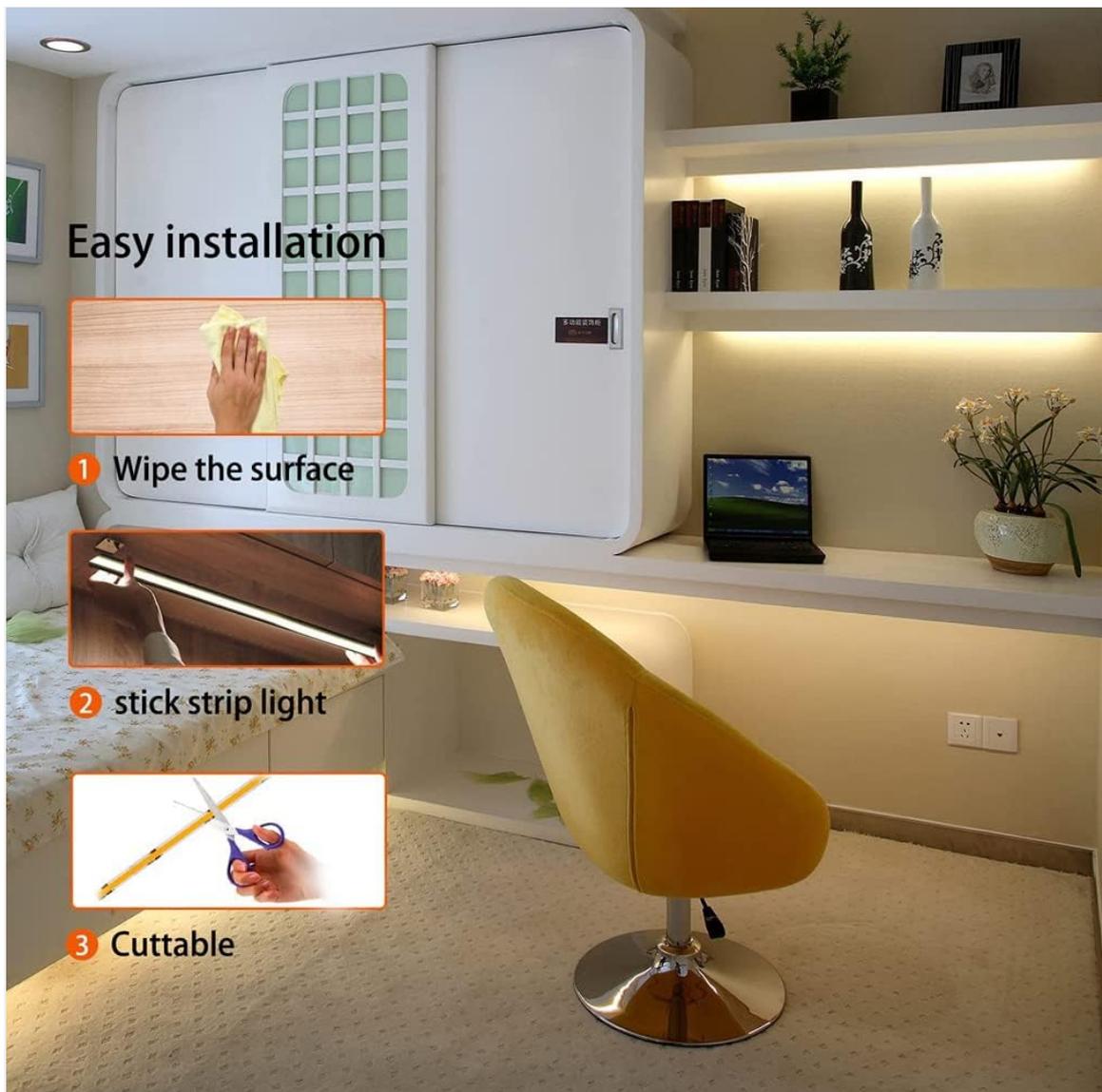


Image: A hand wiping a surface, demonstrating the importance of cleaning before installation.

2. **Measure and Cut (Optional):** If you need a shorter length, measure the desired section. The strip light can be cut only at designated cutting marks, typically indicated by copper pads. Do not cut at any other position, as this will damage the circuit.

Flexible Tape

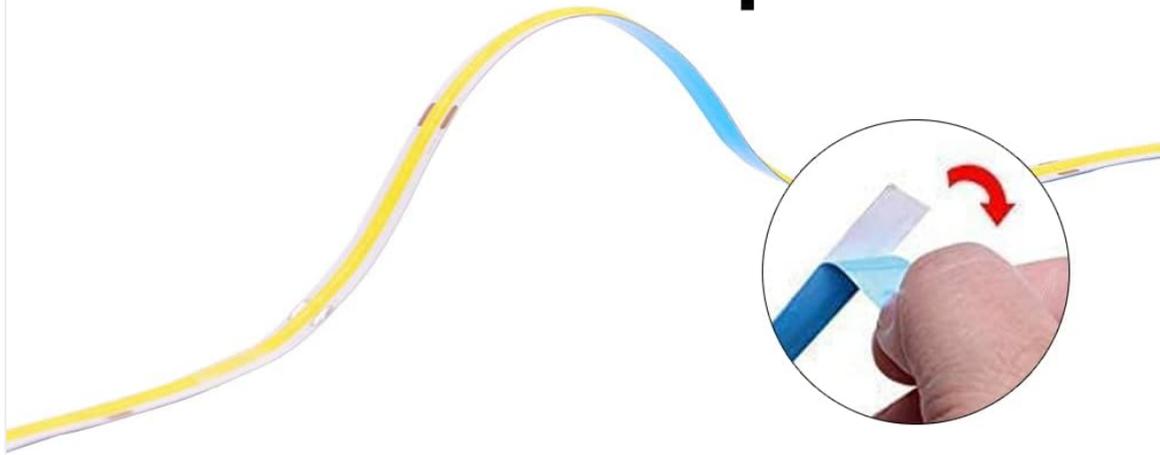


Image: Instructions on where to cut the flexible LED tape. It shows a green checkmark for cutting between soldering pads and a red 'X' for cutting at other positions.

3. **Attach the Strip Light:** Carefully peel off the adhesive backing from the LED strip. Press the strip firmly onto the cleaned surface, ensuring good contact along its entire length.

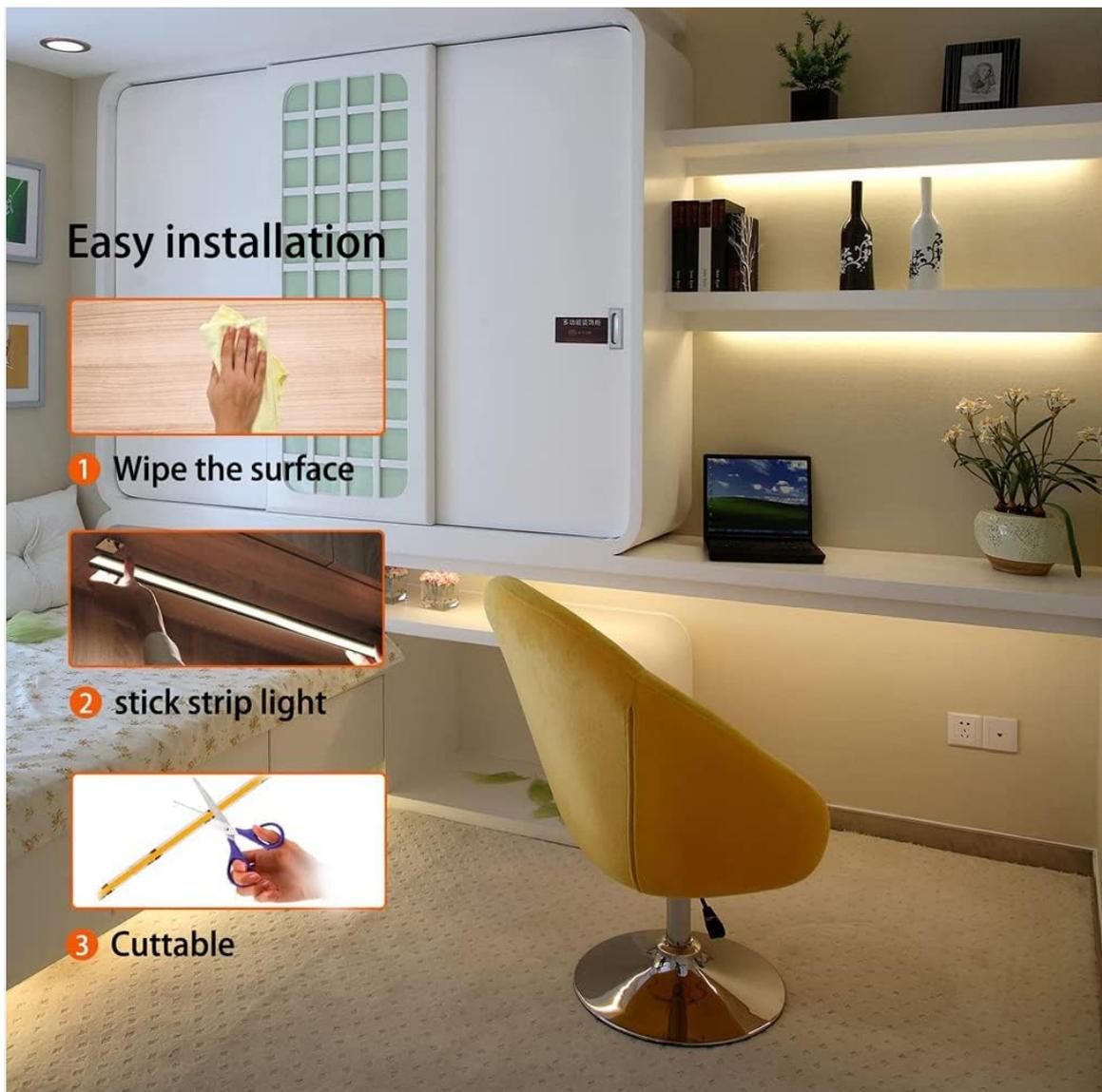


Image: A person applying the LED strip light to a surface, demonstrating the sticking process.

- 4. Connect to Power:** Plug the USB connector of the LED strip into a compatible 5V DC USB power source. This can be a USB wall adapter, a power bank, a laptop, or any other device providing 5V USB output.

Powered By: USB DC5V



Image: Diagram showing the LED strip powered by a USB wall charger, a laptop, and a power bank.



Image: Close-up of the USB connector being plugged into a standard USB socket.

The LED strip is now ready for use. An example of an installed strip light is shown below:



Image: An example of the LED strip light used for ambient lighting in a living room, illuminating shelves and behind a television.

7. OPERATION

Once connected to a 5V USB power source, the LED strip light will illuminate. To turn the light on or off, simply connect or disconnect the USB power. If your specific product variant includes a remote control (as indicated in some specifications), refer to its separate instructions for advanced control features such as dimming or mode changes.

8. MAINTENANCE

- **Cleaning:** To clean the LED strip, ensure it is disconnected from the power source. Gently wipe the surface with a soft, dry cloth. Do not use abrasive cleaners or immerse the strip in water.
- **Inspection:** Periodically check the strip for any signs of damage, such as cuts, frayed wires, or loose connections. If damage is found, discontinue use and replace the strip.
- **Storage:** If storing the strip, ensure it is coiled loosely and kept in a dry, cool place away from direct sunlight.

9. TROUBLESHOOTING

- **Light does not turn on:**
 - Ensure the USB connector is fully inserted into a working 5V USB port.
 - Try a different USB power source (e.g., another wall adapter, a different USB port on a computer).

- Check for any visible damage to the strip or USB cable.
- **Light is dim or flickers:**
 - Ensure the power source can provide sufficient current for the length of the strip. A 5-meter strip may require a power adapter with adequate amperage.
 - Check for loose connections.
- **Part of the strip is not lighting up:**
 - This usually indicates damage to that section of the strip, possibly from incorrect cutting or physical stress. If a section is damaged, it cannot be repaired and the strip may need to be replaced.

10. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the product packaging or contact the seller directly. If you encounter any issues or require technical assistance, please reach out to the retailer or manufacturer's customer support with your purchase information.