USER MANUAL

LED Strip Light Installation Guide

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1. INTRODUCTION

Thank you for purchasing LED strip lights! This manual will guide you through safe installation, operation, and maintenance of your LED strip lighting system.

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2. SAFETY INSTRUCTIONS

Please read these safety guidelines thoroughly before installation:

- ⚠ **Turn off power**: Always disconnect power at the circuit breaker or power source before installation or servicing.
- 🔌 **Use proper voltage**: Ensure the power supply voltage matches the LED strip's rating (e.g., 12V or 24V).
- 💦 **Waterproof rating awareness**: Use only waterproof LED strips (IP65 or higher) in outdoor or damp environments.
- 🔧 **Avoid damage**: Do not bend the strip sharply (minimum bend radius is typically 30mm) or apply excessive force.
- 🔥 **Prevent overheating**: Install on clean, dry, and heat-dissipating surfaces. Do not cover LED strips with insulating materials.
- 🧯 **Fire hazard**: Do not overload the power supply. Always check the total wattage of the strip and power supply compatibility.
- 🧤 **Wear gloves**: To avoid skin oil damaging the adhesive and to protect from accidental cuts.
- 🚫 **Children safety**: Keep small parts and electrical components out of reach of children.

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3. WHAT'S INCLUDED

- LED strip roll
- Power adapter or transformer (optional depending on kit)
- Controller (for RGB or smart LED strips)
- Remote control (if applicable)
- Mounting clips or adhesive backing
- User manual

4. TOOLS REQUIRED

- Scissors (for cutting LED strips)
- Measuring tape
- Screwdriver (if mounting clips are used)
- Cleaning cloth
- Optional: soldering iron for custom connections

5. INSTALLATION STEPS

Step 1: Plan Your Layout

- Measure the surface where the strip will be installed.
- Identify the power source location and path of the strip.
- Ensure all connectors and wires will reach or use extensions.

Step 2: Prepare the Surface

- Clean the surface with a dry cloth to ensure it is dust- and grease-free.

Step 3: Cut the Strip (if needed)

- Only cut along the designated **cut lines** (usually marked every 3 or 6 LEDs).
- Do not cut anywhere else to avoid damaging the strip.

Step 4: Mount the Strip

- **Adhesive-backed strips**: Peel off the adhesive and press the strip firmly onto the surface.
- **Non-adhesive strips**: Use mounting clips or brackets to secure the strip.

Step 5: Connect to Power

- Connect the LED strip to the controller (if RGB or smart strip).
- Connect the controller to the power adapter.
- Plug in the power adapter to a suitable power outlet.

Step 6: Test the System

- Turn on the power.
- Test all colors, brightness, and modes (if RGB or smart-enabled).

6. TROUBLESHOOTING

Issue	Possible Cause	Solution
Strip won't light up	Power disconnected	Check all connections
Only part of the strip lights	Bad cut or damaged section	Re-check cut points, replace damaged area
Colors not displaying correctly	Wrong polarity or connection	Ensure connectors match R, G, B, and +
Flickering lights	Inadequate power supply	Upgrade to a more powerful adapter

7. MAINTENANCE TIPS

- Wipe gently with a dry or slightly damp cloth. Do not use chemicals.

- Avoid prolonged exposure to high humidity unless using waterproof models.

- Check periodically for adhesive wear and re-secure if needed.

8. WARRANTY & SUPPORT

Please refer to your LED strip's packaging or supplier documentation for warranty details. For support, contact [Your Company's Name] at:

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