EXCELFU EXCELFU-SL-60-LED-12V

EXCELFU RV Awning LED Light Strip (Model EXCELFU-SL-60-LED-12V) User Manual

Comprehensive Guide for Installation, Operation, and Maintenance

1. Introduction

The EXCELFU RV Awning LED Light Strip is designed to provide customizable and vibrant lighting for your RV, camper, motorhome, or travel trailer. This 20-foot, 12V RGB LED strip is waterproof (IP68 rated) and features remote control operation, allowing for various color and brightness settings to enhance your outdoor experience. Please read this manual thoroughly before installation and use to ensure proper function and safety.



The EXCELFU RV Awning LED Light Strip provides ambient lighting for your RV's outdoor area.

2. Package Contents

Verify that all items listed below are included in your package:

- 1 x 20ft LED Awning Light Strip with pre-applied 3M Self-adhesive Tape
- 1 x Remote Control
- 1 x Control Center
- 2 x 8.2ft 12V DC Power Cords (one with cigarette lighter plug, one with bare wires)
- 1 x Installation Instructions



All components of the EXCELFU RV Awning LED Light Strip kit, including the LED strip, remote, controller, and power adapters.

3. Safety Information

WARNING: Failure to follow these safety instructions could result in fire, electric shock, or other injury.

- This product is designed for 12V DC power supply only. Do not connect to higher voltage sources.
- Ensure power is disconnected before installation or maintenance.
- The LED strip is IP68 waterproof, designed to withstand rain and snow. However, avoid prolonged submersion in water.
- When cutting the LED strip, always cut along the designated cut lines (marked with a scissor symbol) to prevent damage.
- Ensure proper polarity (+ to + and - to -) when connecting wires to avoid damage to the lights or power source.
- Keep the remote control and control center dry.

4. Setup and Installation

4.1 Preparation

- Choose a clean, dry, and smooth surface for installation, typically under your RV awning.
- Clean the installation surface thoroughly to ensure optimal adhesion of the 3M tape.
- Plan the route for your LED strip and power cables.

4.2 Installation Steps

1. **Apply the LED Strip:** Carefully peel off the backing from the pre-applied 3M self-adhesive tape on the LED strip. Press the strip firmly onto the prepared surface, ensuring good contact along its entire length.

   

   Illustration of the cuttable LED strip, the heavy-duty 3M VHB tape, and the waterproof connector.

2. **Cutting the Strip (Optional):** If a shorter length is desired, cut the LED strip only along the designated cut lines, marked with a scissor symbol. It is recommended to measure from the connection end before cutting to ensure the remaining section can be powered.

   

   Cut the LED strip only at the marked cut points.

3. **Connect the LED Strip to the Control Center:** Align the arrows on the waterproof connector of the LED strip with the arrows on the control center's input cable. Push them together firmly and twist the locking ring to secure the connection.
4. **Connect the Control Center to Power:** You have two options for connecting to a 12V DC power source:

   Type 1: Cigarette Lighter Male Plug

   Connect the control center to the 8.2ft 12V power adapter with the cigarette lighter plug. Insert the cigarette lighter plug into your RV's 12V cigarette lighter socket.

   Type 2: Bare Wire DC Connector

   Connect the control center to the 8.2ft 12V DC power cord with bare wires. Connect the red wire to the positive (+) terminal of your 12V DC power source and the black wire to the negative (-) terminal. Ensure secure and insulated connections.

   

   Connection Type 1: Using the cigarette lighter adapter.

   

   Connection Type 2: Direct wiring to a 12V DC power source.

5. Operating Instructions

The EXCELFU RV Awning LED Light Strip is operated using the included RF remote control. Ensure the remote has working batteries (not included) and is pointed towards the control center for optimal response.

5.1 Remote Control Functions

- **ON/OFF:** Power the lights on or off.
- **R, G, B, W:** Select Red, Green, Blue, or White static colors.
- **Color Buttons:** Choose from 16 different static colors.
- **Brightness +/-:** Adjust the brightness level of the selected color or mode.
- **Speed up/down:** Adjust the speed of dynamic modes (e.g., fading, jumping).
- **7 colors jumpy change:** Cycles through 7 colors with a sudden transition.
- **White fade out & fade in:** Fades white light in and out.
- **7 colors fade change:** Cycles through 7 colors with a smooth fade transition.
- **3 base color jumpy:** Cycles through Red, Green, Blue with a sudden transition.
- **Static monochrome mode:** Maintains a single color.



The RF remote controller allows full command over colors, brightness, and lighting modes.

6. Maintenance

- **Cleaning:** Gently wipe the LED strip with a soft, damp cloth to remove dirt or debris. Avoid harsh chemicals or abrasive cleaners.
- **Connection Check:** Periodically inspect all connections (LED strip to control center, control center to power source) to ensure they are secure and free from corrosion.
- **Adhesive Integrity:** Check the adhesion of the strip to your RV awning. If any sections are lifting, re-secure them with appropriate outdoor-grade adhesive if necessary.
- **Water Protection:** While waterproof, ensure the control center and power connections are protected from direct heavy rain or standing water when possible to prolong their lifespan.

7. Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on.	No power to the control center. Loose connection. Remote control battery dead.	Check 12V power source (e.g., cigarette lighter socket, battery terminals). Ensure all connectors are securely fastened. Replace remote control battery.
Lights show incorrect colors or do not respond to remote.	Remote control not paired or signal obstructed. Incorrect connection between strip and control center.	Ensure remote is pointed at the control center. Check remote battery. Try re-pairing if applicable (refer to remote instructions if provided). Verify the arrow-to-arrow connection between the LED strip and control center.

Problem	Possible Cause	Solution
Section of the LED strip is not lighting up.	Damage to the LED strip. Incorrect cutting.	Inspect the strip for visible damage. If a section was cut incorrectly, it may be permanently damaged.
Adhesive is failing.	Surface not cleaned properly. Extreme weather conditions.	Ensure surface is clean and dry before application. Re-secure with additional outdoor-grade adhesive if needed.

8. Specifications

- **Model:** EXCELFU-SL-60-LED-12V
- **Length:** 20 Feet (6.1 meters)
- **Voltage:** 12 Volts DC
- **Light Source Type:** LED
- **Light Color:** Multicolor (RGB)
- **Water Resistance Level:** IP68
- **Controller Type:** Remote Control
- **Material:** Vinyl
- **Special Features:** Cuttable, Strong 3M Self-adhesive Tape
- **UPC:** 755419018947

9. Warranty and Support

9.1 Warranty Information

Warranty details for the EXCELFU RV Awning LED Light Strip are not provided in this manual. Please refer to the product packaging or contact EXCELFU directly for specific warranty terms and conditions.

9.2 Customer Support

For further assistance, technical support, or inquiries regarding your EXCELFU RV Awning LED Light Strip, please contact EXCELFU customer support through their official website or the retailer where the product was purchased.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question