

addlon RKPO-UL2402000DP-6

addlon Permanent Outdoor Lights (Model RKPO-UL2402000DP-6) Instruction Manual

150FT with 90 Dual-LED Design, RGB & Warm White Eave Lighting

1. INTRODUCTION

Thank you for choosing the addlon Permanent Outdoor Lights. This system features a 150-foot string of 90 dual-LED lights, offering both warm white and vibrant RGB color options. Designed for year-round outdoor use, these lights are IP67 waterproof, cuttable, extendable, and can be controlled via remote or a smart application. This manual provides essential information for safe installation, operation, and maintenance of your lighting system.



Image: addlon Permanent Outdoor Lights installed on a house, showcasing various color options for different occasions.

2. SAFETY INFORMATION

- **Read all instructions:** Before installation and use, carefully read and understand all instructions provided in this manual.
- **Electrical Safety:** Ensure the power supply is disconnected before installation or maintenance. Only use the provided power adapter or a compatible replacement with appropriate voltage and current ratings.

- **Outdoor Use:** These lights are designed for outdoor use and are IP67 waterproof. However, ensure all connections are secure and sealed to prevent water ingress.
- **Installation Surface:** Install lights on stable, clean, and dry surfaces. Avoid installing near heat sources or flammable materials.
- **Cable Management:** Route cables safely to prevent tripping hazards or damage. Do not pinch or cut cables unnecessarily.
- **Children and Pets:** Keep the product and its components out of reach of children and pets.

3. WHAT'S IN THE BOX

The package includes the following components:

- Permanent Outdoor Lights (150 feet string with 90 Dual-LEDs)
- Power Adapter
- Remote Control
- Mounting Brackets and Screws
- 3M Adhesive Strips (pre-applied or separate)
- Extension Cords (6.5FT)
- User Manual

4. PRODUCT FEATURES

- **Dual-LED Design:** Features both warm white (2700K) and RGB LEDs for versatile lighting options, allowing you to switch between soft ambient lighting and vibrant colors.
- **Cuttable and Extendable:** The light strips can be cut at designated points and reconnected, offering flexible installation for various roofline configurations. The total length can be extended up to 200ft.
- **Dual Control:** Control your lights conveniently using the included remote control or the dedicated smart app on your smartphone.
- **Quick & Secure Installation:** Offers multiple installation methods including 3M adhesive strips and mounting brackets with screws for secure attachment to eaves or walls.
- **Weatherproof & Durable:** Rated IP67 waterproof and UV-resistant, ensuring reliable performance in various weather conditions and temperatures from -4°F to 140°F. Designed for a lifespan of up to 50,000 hours.

Dual-LED Design for Everyday Festive Lighting

offering versatile lighting options



Warm white LED RGB LED



Image: Close-up of the dual-LED design, highlighting both warm white and RGB LED components.

Cuttable & Extendable

Supports flexible cutting, enjoy the fun of DIY

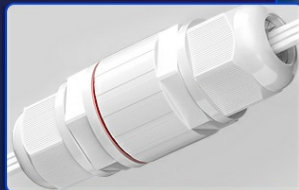
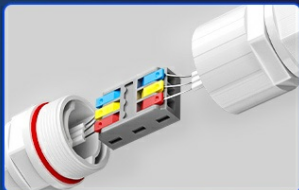


Image: Diagram illustrating the cuttable and extendable feature of the light strips.

Vibrant RGB

Brighter and more vibrant than ever,
the color LED provide



16 Million
Colors, RGB LED



Image: A house decorated with vibrant RGB lights, demonstrating the colorful lighting options.



Image: A house illuminated with warm white lights, showcasing the 2700K warm white setting.

5. SETUP AND INSTALLATION

5.1 Pre-Installation Checklist

- Ensure the installation surface is clean, dry, and free of dust or debris.
- Plan your desired lighting layout and measure the required length.
- Confirm the power outlet is within reach of the power adapter cable.

5.2 Installation Steps

1. **Positioning:** Install the string lights 2-4 inches away from the wall surface for optimal light dispersion.
2. **Surface Preparation:** Use a rag or towel to clean the wall surface thoroughly before installing the light strip.
3. **Adhesive Application:** Tear off the protective film from the 3M adhesive strips on the back of each light.
4. **Secure Attachment:** Press each light firmly against the wall surface for more than 5 seconds to ensure strong adhesion.
5. **Optional Screw Fixing:** For a more permanent and secure fit, use the provided screws and mounting brackets. The light strip comes with two screw holes for fixing.
6. **Connecting Multiple Strings (if applicable):** If connecting multiple light strings, ensure waterproof connectors are securely fastened and screwed on.
7. **Extension Cords:** If additional length is needed, use the bonus 6.5FT extension cords for auxiliary installation.
8. **Power Connection:** Plug the power adapter into a suitable outdoor power supply.

Installation step

Simple installation



Image: A visual guide detailing the 8 steps for installing the addlon Permanent Outdoor Lights, including surface preparation, adhesive application, and optional screw fixing.

Flexible 3-way installation

For versatile home installation



Image: Illustration of flexible 3-way installation methods: 3M adhesive mounting, top installation, and side installation using brackets.

5.3 App Download and Pairing

To utilize the smart app control features:

1. Download the designated smart app (e.g., Surplife) from the App Store (iOS) or Google Play Store (Android).
2. Open the app and follow the on-screen instructions to add your device. Ensure your phone's Bluetooth and Wi-Fi are enabled.
3. The app will guide you through the pairing process, which typically involves powering on the lights and confirming detection within the app.

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Video: Demonstrates the process of downloading the app and adding the addlon Permanent Outdoor Lights as a new device for smart control.

6. OPERATING INSTRUCTIONS

6.1 Remote Control Operation

The included remote control allows for basic functions:

- **Power On/Off:** Press the **ON/OFF** button.
- **Color Selection:** Use the dedicated color buttons (e.g., Red, Green, Blue, White) or the color wheel (if available on your remote model) to change light colors.
- **Brightness Adjustment:** Use the **BRIGHTNESS +/-** buttons to increase or decrease light intensity.
- **Mode Selection:** Cycle through various preset scene modes (e.g., flash, fade, smooth) using the **MODE** button.
- **Speed Adjustment:** For dynamic modes, use the **SPEED +/-** buttons to adjust the effect speed.



Image: A remote control with various buttons for adjusting colors, brightness, and modes of the addlon lights.

6.2 Smart App Control

The smart app provides advanced customization and control options:

- **Color Palette:** Select from millions of colors using the app's color wheel or predefined palettes.
- **Brightness and Saturation:** Fine-tune brightness levels and color saturation.
- **Scene Modes:** Access a wide array of preset scene modes (up to 75) for different occasions and moods.
- **Customization:** Create and save your own personalized lighting effects and sequences.
- **Scheduling and Timers:** Set schedules for automatic power on/off, color changes, or mode activations.
- **Group Control:** If you have multiple addlon smart lights, group them for synchronized control.

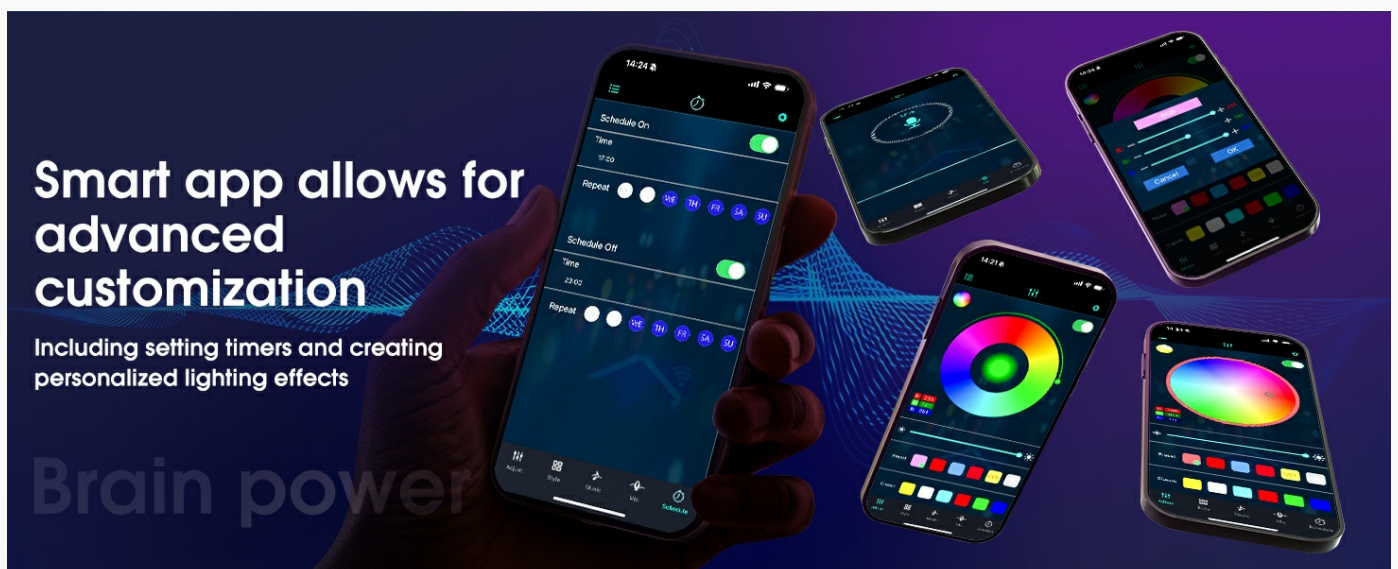


Image: Multiple smartphone screens displaying the smart app interface for advanced customization, including color wheels, timers, and scene selections.

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Video: Overview of the addlon Permanent Outdoor Lights, highlighting RGB and warm white features, IP67 waterproof design, and simple installation.

7. MAINTENANCE

- **Cleaning:** Periodically clean the light surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the lights or their waterproof seals.
- **Inspection:** Regularly inspect the light string, cables, and connections for any signs of wear, damage, or loose connections. Ensure all waterproof seals are intact.
- **Storage:** If storing the lights for an extended period, ensure they are clean and dry. Store them in a cool, dry place away from direct sunlight.

8. TROUBLESHOOTING

- **Lights Not Turning On:**
 - Check if the power adapter is securely plugged into a working outlet.
 - Ensure all connections along the light string are secure.
 - Verify the remote control battery is functional or the app is properly connected.
- **Lights Flashing/Strobe Mode Intermittently:**
 - This can sometimes indicate insufficient power supply for the length of the lights, especially at higher brightness settings. Try reducing the brightness via the app or remote.
 - Ensure the power adapter is rated for at least 2A. If using a lower amperage adapter, consider upgrading to a 5A power supply for optimal performance, especially with longer light runs or 100% brightness.
 - If the issue persists after power cycling or adjusting brightness, the control module may require attention. Contact customer support.
- **App Connectivity Issues:**
 - Ensure your smartphone's Bluetooth and Wi-Fi are enabled.
 - Restart the app and try reconnecting.
 - Ensure the lights are within range of your Wi-Fi router and Bluetooth connection.
 - If issues persist, try resetting the lights (refer to app instructions for device reset).
- **Inaccurate Color Display (e.g., difficulty achieving Orange/Yellow):**
 - Some color mixing limitations may exist depending on the LED technology. Experiment with different color wheel positions in the app to find the closest desired shade.
 - Ensure the brightness is not set too low, as this can affect color perception.

9. SPECIFICATIONS

Feature	Detail
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Brand	addlon
Model Number	RKPO-UL2402000DP-6
Light Source Type	LED (Dual-LED: RGB & Warm White)
Number of Light Sources	90
Item Length	150 feet
Color Temperature	2700 Kelvin (Warm White)
Ingress Protection (IP) Rating	IP67 (Waterproof)
Connectivity Protocol	Bluetooth, Wi-Fi
Control Method	App, Remote Control
Power Source	Corded Electric
Material Type	Plastic
Operating Temperature	-4°F to 140°F
Lifespan	Up to 50,000 hours

10. WARRANTY AND SUPPORT

The addlon Permanent Outdoor Lights come with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please contact addlon customer service through the retailer's platform or the official addlon website. Please have your purchase receipt and model number (RKPO-UL2402000DP-6) available when contacting support.

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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