

Lichaser Outdoor LED Strip IP67

Lichaser RGB+IC Waterproof LED Strip User Manual

Model: Outdoor LED Strip IP67

1. PRODUCT OVERVIEW

The Lichaser IP67 waterproof outdoor LED strip is designed for versatile outdoor lighting. This advanced LED strip features RGB+IC technology, allowing for a wide range of dynamic lighting effects such as rainbow, shooting star, chasing, and segmentation control. It offers extensive DIY functions to create unique and engaging light displays. Ideal for illuminating patios, gardens, eaves, balconies, and fences, this LED strip provides both aesthetic appeal and functional lighting for any outdoor space.



Figure 1: Lichaser RGB+IC Waterproof LED Strip components including the strip, remote control, and smartphone app interface.

2. KEY FEATURES

- RGB+IC Color Effect:** Upgraded from standard RGB, this strip offers advanced features like Shooting Star, Chase, Fade, Flow, and Color Segmentation, enabling more dynamic and cool light effects for both outdoor and indoor decoration.
- Advanced App & RF Remote Control:** The upgraded RF wall-mounted remote allows 360° control within a 15m range. The waterproof LED strip connects easily to the app via Bluetooth, enabling control of multiple outdoor lights simultaneously for a comfortable and beautiful experience.
- Excellent Safety & Waterproof Performance:** Designed for continuous outdoor operation, the LED strip, controller, and plug are all waterproof (IP67 for the strip). The 24V low-voltage version ensures safety. The 24V system also ensures consistent color along the entire length of the strip, unlike 12V systems.
- Custom DIY Mode:** The app includes numerous DIY templates, allowing users to create and save their preferred light effects for convenient future use. Ideal for decorating roofs, stairs, pools, decks, patios, balconies, gardens, and for holiday events.
- Music Sync & Timer Function:** Activate MIC mode to synchronize light changes with music, creating an immersive audio-visual experience. Easily set multiple on/off times, allowing the waterproof LED strip to operate

automatically.

3. SETUP AND INSTALLATION

1. **Unpack Components:** Carefully remove the LED strip, 24V Bluetooth controller, RF remote control, power supply, and installation accessories from the packaging.
2. **Connect the Strip:** Connect the LED strip to the controller, and the controller to the power supply. Ensure all connections are secure. For enhanced water resistance, screw the threads on the connectors tightly.
3. **Mounting the Strip:** The LED strip features an adhesive backing for easy installation. For surfaces that may not adhere well, use the included adhesive clips and screws to secure the strip firmly.
4. **Power On:** Plug the power supply into a suitable outdoor power outlet. Note that the power supply itself is not waterproof and should be protected from moisture.



Figure 2: Detail of the waterproof controller and cord connections, showing the robust design.



Figure 3: Example installation of the LED strip on a house, showcasing various lighting effects.

4. OPERATING INSTRUCTIONS

4.1 Using the Smartphone App (Surplife App)

Download the Surplife app from your device's app store. Enable Bluetooth on your smartphone. Open the app, and it should automatically detect the LED strip for pairing. The app provides extensive customization options:

- **Color Selection:** Choose from a wide spectrum of colors and adjust brightness.
- **Dynamic Modes:** Select from pre-programmed dynamic effects like chasing, fading, and flow.
- **DIY Customization:** Create and save your own unique lighting patterns and sequences.
- **Music Sync:** Activate the microphone mode to make the lights change in rhythm with music.
- **Timing Function:** Set schedules for the lights to automatically turn on or off at specific times.

4.2 Using the RF Remote Control

The included RF remote control offers convenient 360° control of the LED strip within a 15-meter range. Functions include:

- Power On/Off

- Brightness Adjustment
- Color Selection (static colors)
- Mode Selection (pre-set dynamic effects)
- Music Sync Activation
- Timer Settings (e.g., 30-minute or 1-hour shut-off)

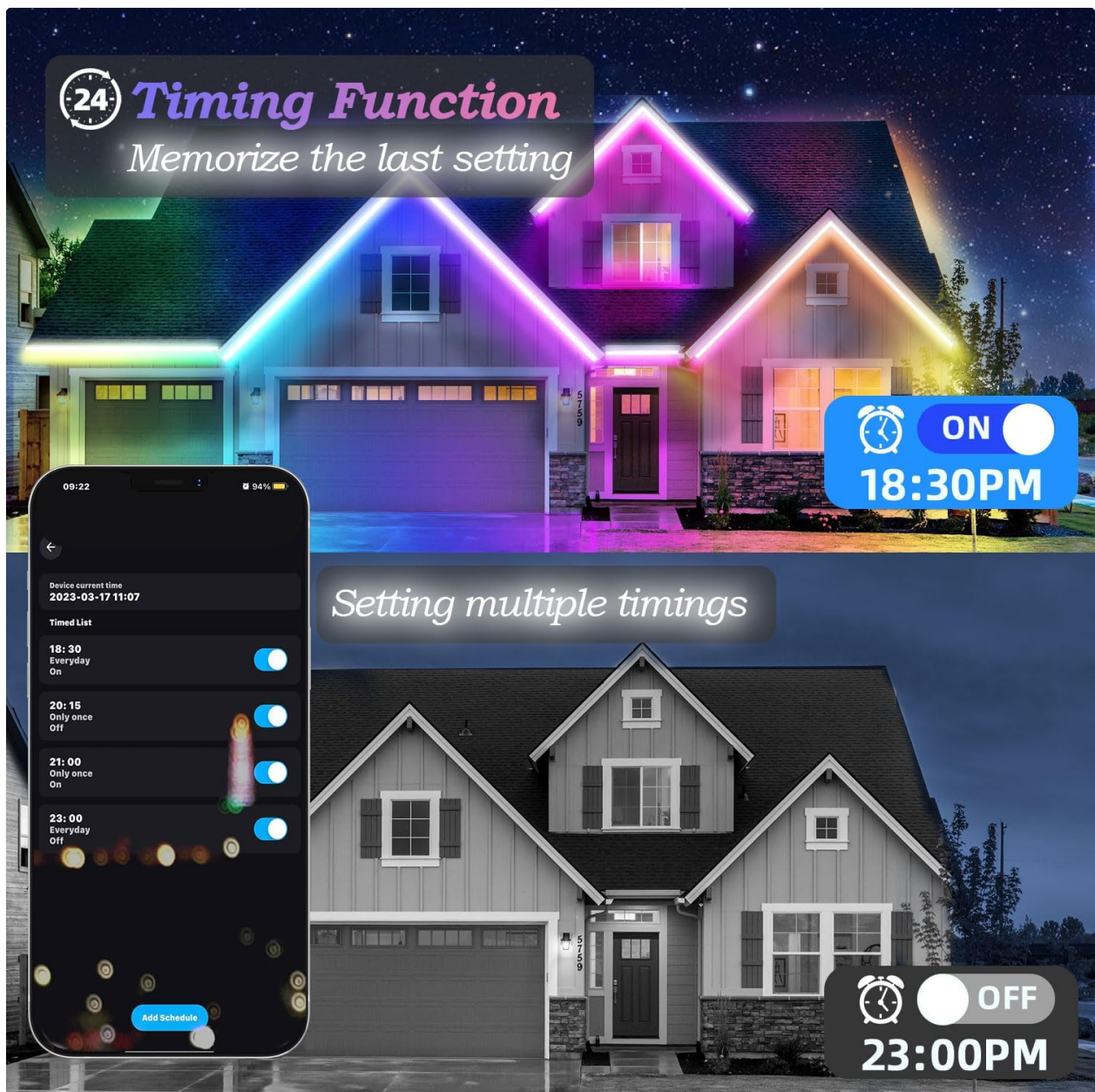


Figure 4: The timing function within the smartphone app, allowing scheduled operation of the LED strip.

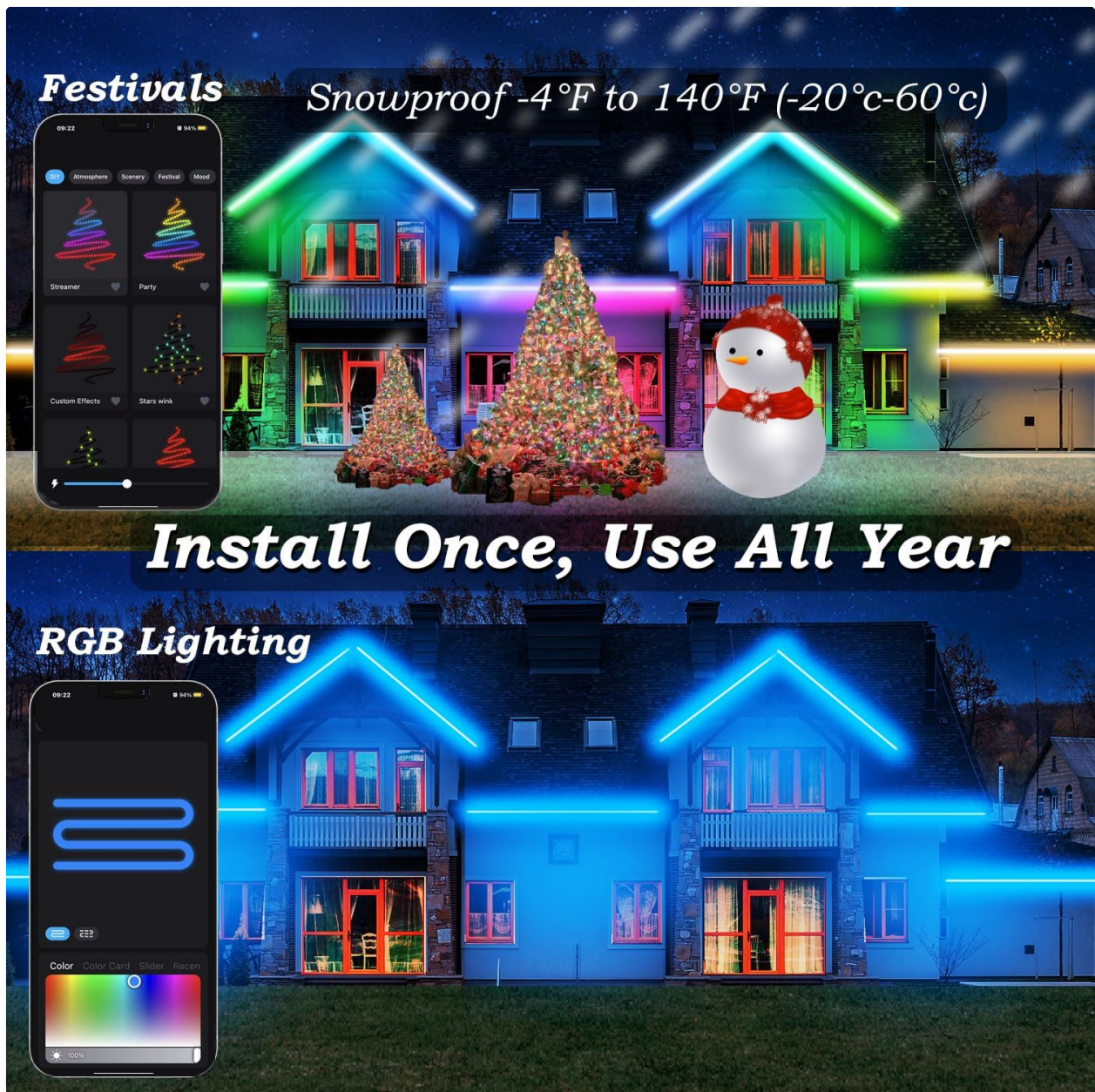


Figure 5: The LED strip showcasing various festive lighting modes and its suitability for all-year outdoor use.

5. MAINTENANCE

The Lichaser LED strip is designed for durability and outdoor use. To ensure optimal performance and longevity:

- **Waterproofing:** The LED strip, controller, and plug are IP67 waterproof. However, the power supply is NOT waterproof and must be protected from direct exposure to water or extreme weather conditions.
- **Cleaning:** Periodically wipe the LED strip with a soft, damp cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials that could damage the strip's coating.
- **Connections:** Regularly check all connections to ensure they remain tight and secure, especially the threaded waterproof connectors.
- **Storage:** If storing the LED strip for an extended period, ensure it is clean, dry, and stored in a cool, dry place away from direct sunlight.

6. TROUBLESHOOTING

- **LED Strip Not Lighting Up:**
 - Check if the power supply is properly plugged in and receiving power.

- Ensure all connections between the strip, controller, and power supply are secure.
 - Verify that the remote control or app is sending the 'On' signal.
- **Remote Control Not Responding:**
 - Check the battery in the RF remote control and replace if necessary.
 - Ensure you are within the 15-meter operating range of the remote.
- **App Connectivity Issues:**
 - Ensure Bluetooth is enabled on your smartphone.
 - Restart the Surplife app and try re-pairing the device.
 - Ensure the LED strip is powered on and within Bluetooth range.
- **Inconsistent Color or Dimming at End of Strip:**
 - This product uses a 24V low-voltage system, which is designed to maintain consistent color and brightness along the entire length. If you experience this, ensure the power supply is adequate and connections are solid.

7. SPECIFICATIONS

Feature	Specification
Brand	Lichaser
Model Number	Outdoor LED Strip IP67
Color	RGB+IC
Voltage	24 Volts
Waterproof Rating	IP67 (Strip, Controller, Plug)
Light Source Type	LED
Number of Bulbs	300
Control Method	Bluetooth App (Surplife App), 2.4G RF Remote Control
Special Features	RGB+IC, Chasing, Meteor, Segmentation Control, Music Sync, 360° RF Control
Power Source	Corded Electric
Included Components	Waterproof RGB+IC LED Strip, 24V Bluetooth Controller, RF Remote Control, Power Supply, Installation Accessories
Item Weight	2.01 Kilograms
Package Dimensions	21.4 x 19.5 x 18.7 cm


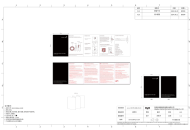




8. WARRANTY AND SUPPORT

For any questions, technical support, or warranty inquiries regarding your Lichaser RGB+IC Waterproof LED Strip,

please contact Lichaser customer service through the retailer's platform or the contact information provided with your purchase. Please retain your proof of purchase for warranty claims.

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Related Documents - Outdoor LED Strip IP67

	<p>Govee Outdoor Strip Light H6176 User Manual</p> <p>User manual for the Govee Outdoor Strip Light Model H6176, providing troubleshooting, installation, app pairing, voice control, and specifications for this IP65 waterproof RGBIC LED strip light.</p>
	<p>Yeelight RGBIC LED Basic Strip Lights Quick Start Guide - YLYDD-0038</p> <p>Comprehensive quick start guide for the Yeelight RGBIC LED Basic Strip Lights (Model YLYDD-0038), covering installation, setup, specifications, and safety information.</p>
	<p>Govee H619D RGBIC LED Strip Lights User Manual</p> <p>User manual for the Govee H619D RGBIC LED Strip Lights, covering safety instructions, installation, app pairing, voice control, specifications, and troubleshooting. Learn how to set up and use your smart LED strip lights.</p>
	<p>Govee Phantasy Pro H6171 User Manual: Outdoor RGBIC LED Strip Lights</p> <p>Comprehensive user manual for the Govee Phantasy Pro H6171 outdoor RGBIC LED strip lights. Learn about safety instructions, installation, remote controller usage, app pairing, troubleshooting, and specifications.</p>
	<p>Govee H61A2 RGBIC LED Neon Rope Light User Manual and Warranty</p> <p>Comprehensive user manual and warranty information for the Govee H61A2 RGBIC LED Neon Rope Light, including installation, app connection, troubleshooting, safety guidelines, and technical specifications.</p>
	<p>Govee H6171 RGBIC Outdoor LED Strip Lights User Manual and Installation Guide</p> <p>Official user manual for the Govee H6171 RGBIC Outdoor LED Strip Lights. Provides detailed instructions on safety, installation, pairing with the Govee Home app, voice control, technical specifications, and troubleshooting for your smart outdoor lighting solution.</p>