Skzlibry RGB-IC-30M

Skzlibry IP67 DIY Design 200ft RGB+IC Outdoor LED Strip Lights User Manual

Model: RGB-IC-30M

1. Introduction

Thank you for choosing the Skzlibry IP67 DIY Design 200ft RGB+IC Outdoor LED Strip Lights. This product is engineered for outdoor use, featuring IP67 waterproof protection and advanced RGB+IC technology for vibrant, multi-color chasing effects. With a continuous 200ft length, Bluetooth app control, and an IR+RF remote, these lights are ideal for enhancing gardens, eaves, decks, and other outdoor spaces. This manual provides essential information for safe installation, operation, and maintenance to ensure optimal performance and longevity of your LED strip lights.

2. Safety Information

- Always ensure the power adapter is disconnected from the power source before installation, maintenance, or troubleshooting.
- Use only the provided UL-certified power adapter. Using unapproved adapters may cause damage or safety hazards.
- While the light strips and control box are IP67 waterproof, avoid submerging the power adapter in water.
- Do not cut or modify the LED strip lights unless explicitly instructed, as this may compromise waterproofing and functionality.
- Ensure all connections are secure and properly sealed to maintain waterproof integrity, especially for outdoor installations.
- Keep the product out of reach of children.
- Operate within the specified temperature range to prevent damage. The lights are designed to be cold-resistant.

3. Package Contents

Please verify that all items are present in your package:

- 1 x 200ft (60m) RGB+IC LED Strip Light (1 roll)
- 1 x UL-Certified Power Adapter
- 1 x Bluetooth Control Box
- 1 x IR+RF Remote Controller
- Fixed Buckles/Clips for installation



Figure 3.1: Overview of the Skzlibry 200ft RGB+IC Outdoor LED Strip Lights and included components.

4. Setup and Installation

Follow these steps for proper installation of your LED strip lights:

1. **Preparation:** Clean the surface where the lights will be installed with a dry cloth or tissue. Ensure the surface is dry and free of dust or debris for optimal adhesive performance.
2. **Unrolling the Strip:** Carefully remove the double-sided tape from the back of the strip light. Do not pull the strip light all the way out of the reel at once to avoid folding or tangling.
3. **Connecting Components:** Connect the LED strip light to the 4-pin waterproof connector of the control box. Screw in the cap securely to ensure a waterproof seal. Then, connect the control box to the UL-certified power adapter.
4. **Securing the Strip:** While the strip has adhesive, due to its length and weight, it is recommended to use the provided fixed buckles/clips for additional security, especially for long-term outdoor installation.
5. **Power Connection:** Plug the UL-certified power adapter into a suitable outdoor power outlet.



Figure 4.1: Step-by-step guide for installing the LED strip lights.



Figure 4.2: The UL-certified power adapter ensures safe and reliable operation.

4.1 App Download and Pairing

To unlock the full features of your LED strip lights, download the companion Bluetooth application:

1. Scan the QR code on the control box or search for the app name (usually indicated on the packaging or control box) in your

device's app store (iOS App Store or Google Play Store).

2. Install the app and enable Bluetooth on your smartphone.
3. Open the app. It should automatically detect and connect to your LED strip lights. If not, follow the in-app instructions to manually add the device.

5. Operating Instructions

5.1 Power On/Off

Once connected to power, the lights can be turned on or off using the IR+RF remote controller or through the dedicated smartphone application.

5.2 Remote Control Functions

The included IR+RF remote allows for basic control of the LED strip lights. Functions typically include:

- Power On/Off
- Brightness Adjustment
- Static Color Selection
- Dynamic Mode Selection (e.g., flash, fade, jump)
- Speed Adjustment for Dynamic Modes

5.3 Smart App Control

The smartphone app provides advanced control and customization options:

- **DIY Color Schemes:** Create and save your favorite color combinations and modes. For example, design themes for holidays, sports teams, or special occasions.
- **Music Sync:** The lights can synchronize with music played through your device's microphone, creating dynamic light shows that react to audio.
- **Timing Function:** Set schedules for the lights to automatically turn ON/OFF at specific times.
- **Extensive Dynamic Modes:** Access a wider variety of chasing effects, flows, and patterns beyond what the remote offers.



Figure 5.1: Control your lights using the RF remote or the smart app.



Figure 5.2: Utilize the pre-setting timing function for automated lighting.

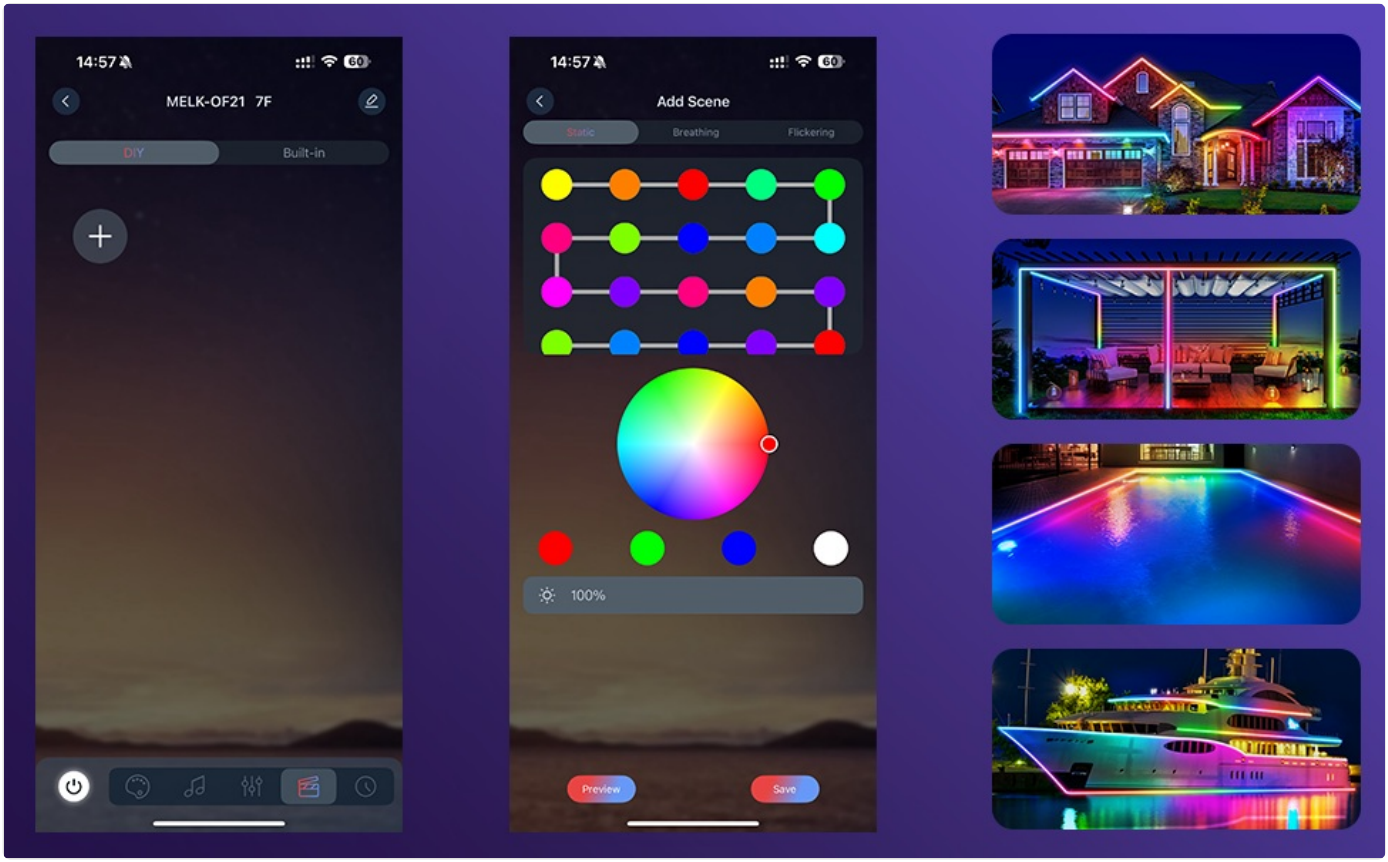


Figure 5.3: The app provides a comprehensive interface for color and mode selection.

5.4 Understanding RGB+IC Technology

Unlike traditional RGB LED strip lights that can only display one color at a time across the entire strip, RGB+IC (Independent Control) technology allows for multiple colors to be displayed simultaneously within a single segment of the strip. This is achieved by an independent chip controlling each segment, enabling advanced chasing effects, gradients, and more complex patterns. This technology is particularly suitable for decorative lighting for holidays like Christmas and Halloween, as well as for architectural accents on roofs, gutters, and pergolas.



Figure 5.4: Visual comparison of RGBIC's multi-color segments versus RGB's single-color display.

5.5 Continuous Connection and Brightness

The Skzlibry 200ft LED strip lights are designed for continuous connection without significant voltage drop, ensuring uniform brightness across the entire length. Up to 8 sets of 200ft strips can be continuously connected to form an ultra-long 1575ft waterproof light belt, all maintaining consistent brightness and synchronized effects.



Figure 5.5: Skzlibry lights maintain perfect brightness over 200ft, unlike others that may weaken.

6. Maintenance

Proper maintenance ensures the longevity and performance of your LED strip lights:

- **Cleaning:** Periodically clean the surface of the LED strips with a soft, damp cloth to remove dust and debris. Ensure the power is disconnected before cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Waterproofing:** The light strips and the inside of the control box are covered with silicone coating for IP67 waterproofing. All cables are also waterproof. Regularly inspect connections for any signs of wear or damage that could compromise the waterproof seal.
- **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 and extreme temperatures.
- **Adhesive Check:** Over time, the adhesive may weaken due to environmental factors. Regularly check the adhesion and re-secure with the provided clips or additional outdoor-grade fasteners if necessary.



Figure 6.1: The robust waterproof design ensures durability in outdoor conditions.

7. Troubleshooting

If you encounter issues with your LED strip lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, faulty adapter/controller.	Check power outlet. Ensure all connections (strip to controller, controller to adapter, adapter to power) are secure. Test with another power source if possible.
Some sections of the strip are not lighting up or show incorrect colors.	Damage to LEDs, internal wiring issue, voltage drop (less common with this model).	Inspect the affected section for visible damage. Ensure connections are fully seated. If damage is present, contact customer support.
Remote control is not working.	Battery depleted, remote out of range, IR sensor blocked.	Replace remote battery. Ensure remote is pointed towards the control box (for IR) or within range (for RF). Remove any obstructions.
App cannot connect to the lights.	Bluetooth off, app not updated, interference, lights already paired to another device.	Ensure Bluetooth is enabled on your device. Restart the app and the lights. Try pairing again. Ensure no other device is actively connected.
Adhesive is not holding the strip.	Improper surface preparation, environmental factors, weight of the strip.	Ensure surface is clean and dry before application. Use the provided fixed buckles/clips for additional support, especially in outdoor environments or on textured surfaces.

8. Specifications

Feature	Detail
Brand	Skzlibry
Model Number	RGB-IC-30M
Light Source Type	LED
Light Color	RGB+IC
Indoor/Outdoor Usage	Outdoor
Power Source	Corded Electric
Waterproof Rating	IP67 (for strip and control box)
Control Method	Bluetooth App, IR+RF Remote Controller
Length	200ft (60m)
Continuous Connection	Up to 8 sets (1575ft / 300m total)
Power Adapter Certification	UL Certified
Parcel Dimensions	24.7 x 22.4 x 17.4 cm
Item Weight	2.52 kg
Country of Origin	China

9. Warranty and Support

When you purchase Skzlibry products, you receive an 18-month worry-free warranty. This warranty covers manufacturing defects and ensures product reliability. For any issues, questions, or support needs, please contact Skzlibry customer service. We are committed to providing friendly and responsive assistance to resolve any concerns you may have with your product.
Please refer to your purchase documentation or the Skzlibry official website for specific contact information.

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

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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