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> FBZ 300FT Permanent Outdoor RGB LED Lights User Manual

FBZ Permanent Outdoor String Lights

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Model: Permanent Outdoor String Lights

Brand: FBZ



Image Description: This image displays the FBZ 300FT Permanent Outdoor RGB Lights, coiled and ready for installation, alongside a smartphone screen illustrating the smart app control interface.

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your FBZ 300FT Permanent Outdoor RGB LED Lights. These lights are designed for outdoor use, featuring IP67 waterproofing, smart app control, remote operation, and various lighting modes including music synchronization. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

Always follow basic safety precautions when using electrical products, especially outdoors. Failure to do so may result in fire, electric shock, or personal injury.

- **Power Source:** Ensure the power adapter is connected to a suitable outdoor-rated power outlet. The lights operate on a low voltage 24V system, which enhances safety.
- **Installation:** Do not install near flammable materials. Ensure all connections are secure and protected from moisture. Avoid damaging the light string during installation.
- **Water Resistance:** The lights have an IP67 waterproof rating, making them resistant to rain. However, avoid submerging the power adapter or control box in water.
- **Maintenance:** Disconnect power before any cleaning or maintenance. Do not attempt to repair damaged components; contact customer support.
- **Children and Pets:** Keep packaging materials and small components away from children and pets.

PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- FBZ 300FT Permanent Outdoor RGB LED Lights (2 x 150ft strips)
- Power Adapter (Certified)
- RF Remote Control
- Control Box
- Mounting Clips/Screws (for screw-in fixing)
- User Manual (this document)

SPECIFICATIONS

Feature	Detail
Brand	FBZ
Model Number	Permanent Outdoor String Lights
Light Type	LED
Light Color	RGB (Red, Green, Blue)
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	IP67 Waterproof
Power Source	DC
Voltage	24 Volts
Wattage	36 watts
Control Method	App, Remote

Special Features	Color Changing, Rainproof, Rust Resistant, Water Resistant, Weather Resistant
Material	PBS
Item Weight	4.71 pounds

SETUP AND INSTALLATION

Follow these steps for proper installation of your FBZ Permanent Outdoor RGB LED Lights.

- 1. Planning the Layout:** Before installation, plan where you want to install the lights. Consider the total length (300FT) and the placement of the power source and control box. The lights are suitable for eaves, decks, patios, and other outdoor structures.
- 2. Surface Preparation:** Ensure the installation surface is clean and dry.
- 3. Temporary Placement:** Lay out the light strips along the desired path to confirm the length and positioning.
- 4. Mounting:** The lights feature a self-adhesive backing for initial positioning and screw-in fixing for permanent installation. Use the provided mounting clips and screws to secure the lights firmly. It is recommended to use the adhesive for temporary hold while installing the screws for long-term stability.
- 5. Connecting Components:** Connect the two 150ft light strips to the control box. Ensure connections are secure.
- 6. Power Connection:** Connect the certified power adapter to the control box, then plug the adapter into a suitable outdoor-rated electrical outlet.
- 7. Initial Test:** Once installed, plug in the lights and perform an initial test to ensure all LEDs are functioning correctly before finalizing the setup.



Wraparound View

When the eaves light is installed on the deck railing

The eaves lights surround and illuminate the entire deck

The light string surrounds the deck railing for a more beautiful deck environment.

Image Description: This image displays the FBZ Permanent Outdoor RGB Lights installed in various outdoor locations, including eaves, stairs, and stairway railings, showcasing their versatility in illuminating different architectural features with vibrant colors.

OPERATION

Your FBZ Permanent Outdoor RGB LED Lights can be controlled via the included RF remote or the 'Lotus Lantern' smartphone application.

1. Using the Remote Control

The RF remote control allows for basic functions such as turning the lights on/off, changing colors, adjusting brightness, and selecting preset modes. Point the remote towards the control box for optimal response.



Image Description: This image illustrates the two primary control methods for the FBZ lights: a smartphone displaying the 'Lotus Lantern' app interface for detailed customization, and an RF remote control for quick adjustments.

2. Using the 'Lotus Lantern' App

For advanced control and customization, download the 'Lotus Lantern' app on your smartphone. The app connects to the lights via Bluetooth.

1. **Download App:** Search for 'Lotus Lantern' in your device's app store and install it.
2. **Bluetooth Connection:** Ensure Bluetooth is enabled on your smartphone. Open the app, and it should automatically detect the FBZ lights. Follow the in-app instructions to pair.
3. **Color and Brightness Adjustment:** Use the app to select from a full spectrum of RGB colors and precisely adjust brightness levels.
4. **DIY Scene Modes:** Create and save custom lighting scenes to match your preferences or specific events.
5. **Music Synchronization:** Activate the music mode to synchronize the lights with ambient sound. The built-in microphone in the control box will detect music, causing the lights to pulsate and change colors according to the rhythm.
6. **Timing Function:** Set schedules for the lights to automatically turn on and off at specific times. This feature is useful for daily routines or energy saving.



**Turn on
19:00PM**

 **Timing Function**
Pre-setting the ON/OFF time
Auto turn off at sleeping time, and wake you up in the morning



**Turn off
19:00PM**

Image Description: This image demonstrates the timing function of the FBZ lights, showing a setting to automatically turn on at 7:00 PM and turn off at 7:00 PM, illustrating automated scheduling capabilities.



Music and Mic Mode



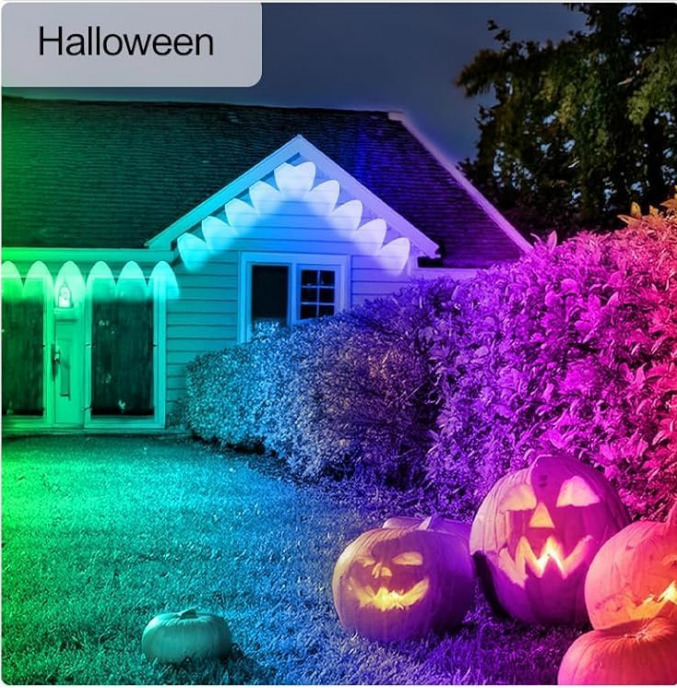
Sync to music, the light will change color accordingly with the rhythm.



Built-in microphone, the lights will pulsate and change colors along with sounds.

Image Description: This image depicts the music and mic mode in action, with the FBZ lights changing colors and pulsating in sync with music, creating a dynamic atmosphere for social gatherings.

Halloween



Christmas



Bonfire gathering



rainy season



Image Description: This image showcases the versatility of the FBZ lights by illustrating different scene modes suitable for various occasions, including Halloween, Christmas, bonfire gatherings, and even a rainy season ambiance.

MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your FBZ Permanent Outdoor RGB LED Lights.

- **Cleaning:** Periodically clean the light strips with a soft, damp cloth to remove dirt and debris. Ensure the power is disconnected before cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Weather Resistance:** The lights are designed with an IP67 waterproof rating and UV-resistant materials, allowing them to withstand rain, snow, and prolonged sun exposure. They are built to endure extreme temperature fluctuations.
- **Inspection:** Regularly inspect the light strips, power adapter, and control box for any signs of damage, such as frayed wires or cracked casings. If damage is found, discontinue use and contact customer support.
- **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.

Designed for Outdoors

IP67 waterproof rating and UV-resistant materials for severe weather

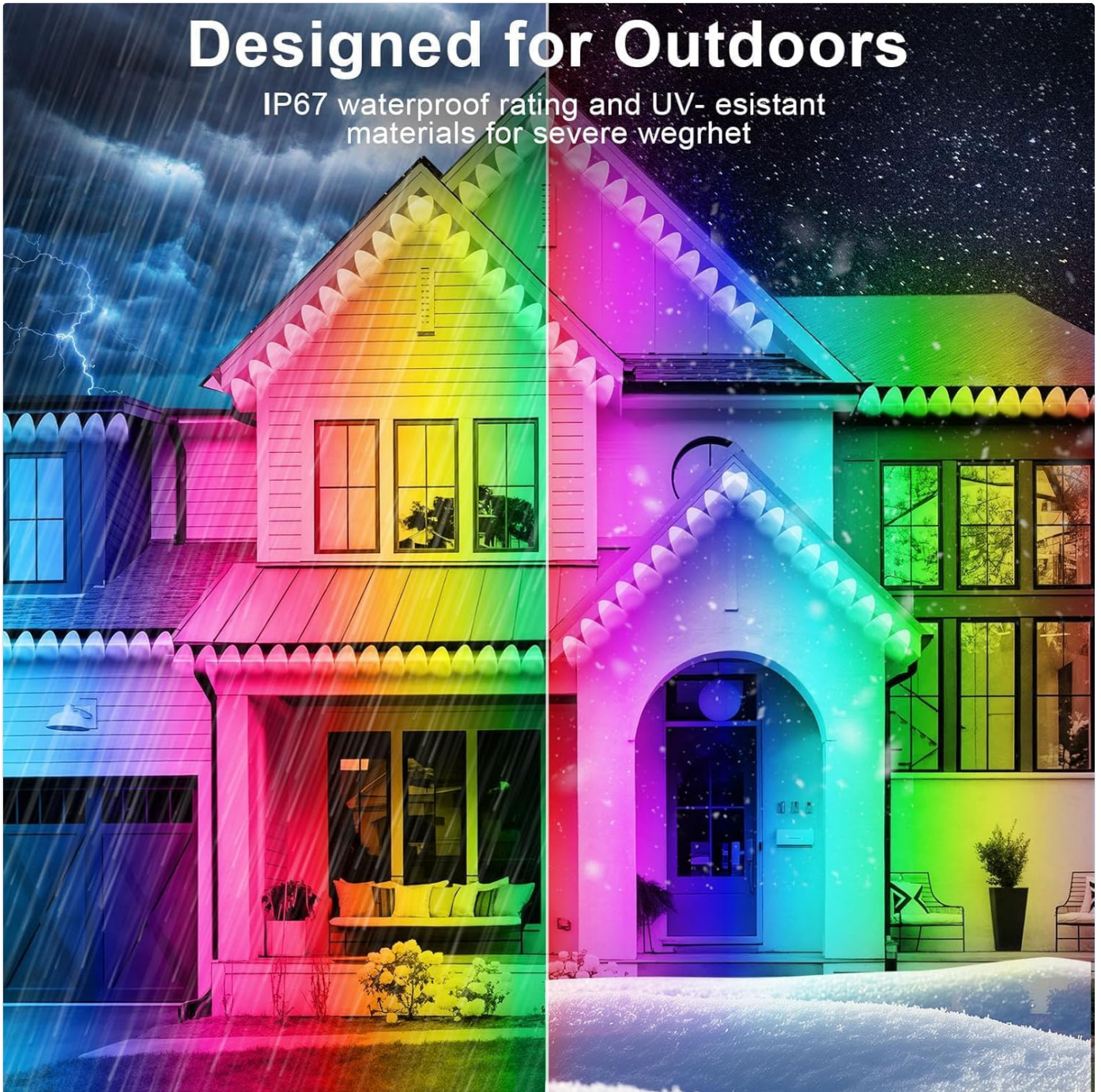


Image Description: This image highlights the durability of the FBZ Permanent Outdoor RGB Lights, showcasing their ability to function reliably in various weather conditions, including rain and snow, due to their IP67 waterproof and UV-resistant design.

TROUBLESHOOTING

If you encounter issues with your FBZ Permanent Outdoor RGB LED Lights, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, faulty power adapter/control box.	Check if the power adapter is securely plugged into a working outlet. Ensure all connections between the light strips, control box, and power adapter are firm. Test the outlet with another device.

Remote control is not working.	Remote battery depleted, remote out of range, obstruction.	Replace the remote control battery. Ensure the remote is pointed towards the control box and within its effective range. Remove any obstructions between the remote and the control box.
App cannot connect to lights.	Bluetooth off, lights not powered, app issue.	Ensure Bluetooth is enabled on your smartphone. Verify the lights are powered on. Close and reopen the 'Lotus Lantern' app, or restart your phone. Ensure you are within Bluetooth range of the control box.
Colors are inconsistent or some LEDs are out.	Damaged LED, loose connection within the strip.	Inspect the light strip for any visible damage. If individual LEDs are consistently failing, contact customer support for assistance.
Music sync mode not responding.	Microphone obstructed, low music volume, app setting.	Ensure the control box's microphone is not covered. Increase music volume. Check app settings to confirm music sync mode is active.

WARRANTY AND CUSTOMER SUPPORT

FBZ is committed to providing quality products and customer satisfaction. All accessories included with your eaves lights are officially certified, and the power adapter has undergone rigorous testing for safety.

We offer a worry-free experience. If you encounter any issues during installation or operation, please contact our customer service team directly. We aim to resolve all inquiries within 24 hours. Full refunds or free replacements are provided for quality-related issues.

For support, please refer to the contact information provided on the product packaging or the official FBZ website.