

Showlite LB-427

Showlite LB-427 LED Lighting System User Manual

Model: LB-427 | Brand: Showlite

1. INTRODUCTION

Thank you for choosing the Showlite LB-427 LED Lighting System. This comprehensive system is designed for stage lighting, events, and various performance settings, offering versatile control options and vibrant RGB illumination. This manual provides essential information for safe and effective use, including setup, operation, maintenance, and troubleshooting.

The Showlite LB-427 features four PAR spots, each equipped with three 9W Tri-LEDs (RGB 3-in-1), delivering a total power of 108 watts. It can be controlled via DMX 512, a wireless footswitch, or manually directly on the unit. An integrated microphone with sensitivity adjustment allows for sound-activated operation. Each light unit is individually pivotable and tiltable, mounted on a durable powder-coated steel bar.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the Showlite LB-427 LED Lighting System. Retain this manual for future reference.

- **Electrical Safety:** Ensure the power supply matches the voltage requirements specified on the unit. Always connect to a grounded outlet. Disconnect power before cleaning or servicing.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Environment:** This device is intended for indoor use only. Avoid exposure to moisture, rain, or extreme temperatures.
- **Mounting:** Securely mount the lighting bar and tripod. Ensure the tripod is stable and can support the weight of the lighting system. Do not exceed the maximum load capacity of the tripod (50 kg).
- **Eye Safety:** Do not look directly into the LED lights when they are active, as this may cause eye

damage.

- **Servicing:** Refer all servicing to qualified personnel. Do not attempt to repair the unit yourself.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your dealer immediately.

- Showlite LB-427 LED Lighting Bar with 4 PAR Spots
- Showlite LDO-10 DMX MKII FS Controller
- Wireless Footswitch
- Lighting Tripod
- Carrying Bag
- Power Cable
- DMX Cable
- User Manual (this document)



Image: Overview of the Showlite LB-427 LED Lighting System components, including the LED bar, DMX controller, footswitch, tripod, and cables.

4. SETUP

Follow these steps to set up your Showlite LB-427 LED Lighting System:

1. **Unpack Components:** Carefully remove all components from the carrying bag and packaging.
2. **Assemble Tripod:** Extend the legs of the tripod for stability. Adjust the height to your desired level (150 to 270 cm) using the locking mechanisms. Ensure all locks are securely tightened.
3. **Mount LED Bar:** Place the Showlite LB-427 LED bar onto the top pole of the tripod. Secure it firmly using the provided mounting hardware. Ensure the bar is level and stable.



Image: A black lighting tripod with adjustable height, ready for mounting the LED bar.

4. **Adjust PAR Spots:** Each of the four PAR spots can be individually pivoted and tilted to direct the light

as needed. Loosen the adjustment knobs, position the spot, and then tighten the knobs securely.

5. **Connect Power:** Connect the power cable to the LED bar's power input and then to a suitable grounded electrical outlet.
6. **Connect DMX Controller (Optional):** If using DMX control, connect the Showlite LDO-10 DMX MKII FS controller to the DMX IN port of the LED bar using a DMX cable.
7. **Position Footswitch (Optional):** If using the wireless footswitch, place it in a convenient location for operation. Ensure it is within range of the LED bar.



Image: Rear view of the Showlite LB-427 LED bar, showing DMX input/output, power connection, and control panel.

5. OPERATING MODES

The Showlite LB-427 offers multiple control options:

5.1. Manual Control

The LED bar features a control panel on the rear for direct manual operation. Use the buttons and display to navigate through menus and select various pre-programmed shows, static colors, or sound-activated modes. Refer to the on-screen menu for specific settings.

5.2. Wireless Footswitch Control

The included wireless footswitch provides convenient hands-free control over essential functions.

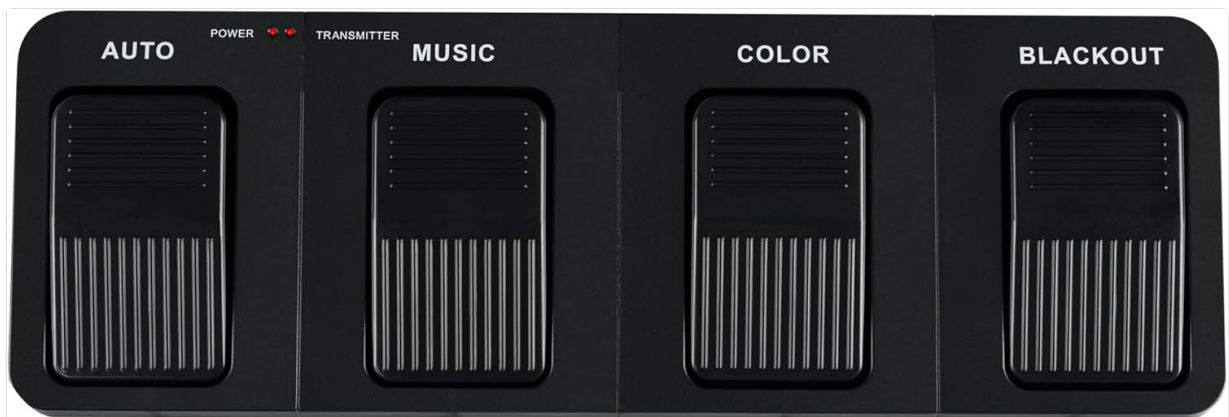


Image: The black wireless footswitch with four pedals labeled AUTO, MUSIC, COLOR, and BLACKOUT.

- **AUTO:** Activates automatic program mode, cycling through various pre-programmed light shows.
- **MUSIC:** Engages sound-activated mode, where lights react to ambient sound picked up by the integrated microphone.
- **COLOR:** Cycles through static color presets or color-changing sequences.
- **BLACKOUT:** Turns off all lights instantly. Press again to resume previous operation.

5.3. DMX 512 Control

For advanced control and integration into larger lighting setups, use the Showlite LDO-10 DMX MKII FS controller or any standard DMX 512 controller.



Image: The Showlite LDO-10 DMX MKII FS controller, featuring faders, rotary knobs for color and effects, and control buttons.

- **Connection:** Connect the DMX OUT of your controller to the DMX IN of the LB-427 using a 3-pin DMX cable.
- **DMX Address:** Set the DMX start address on the LB-427 via its control panel. Refer to the DMX channel chart (usually found in a separate DMX manual or on the device's display) to understand the functions assigned to each channel.
- **Control:** Use the faders and buttons on your DMX controller to manipulate individual PAR spots, colors, dimming, strobe effects, and pre-programmed shows. The Showlite LDO-10 DMX MKII FS controller is specifically designed for intuitive control of such systems.

5.4. Sound-Activated Mode

The integrated microphone allows the lighting system to react to music or other audio. Adjust the microphone sensitivity via the control panel on the LED bar to fine-tune its response to ambient sound levels.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Showlite LB-427 LED Lighting System.

- **Cleaning:** Regularly clean the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the unit is unplugged before cleaning.
- **Lens Cleaning:** Gently clean the LED lenses with a soft, lint-free cloth to maintain light output clarity.
- **Storage:** When not in use, store the system in its carrying bag in a cool, dry place, away from dust and moisture.
- **Inspection:** Periodically check cables for damage and connections for security.

7. TROUBLESHOOTING

If you encounter issues with your Showlite LB-427, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power / Unit does not turn on	Power cable not connected; Faulty outlet; Blown fuse.	Check power cable connection; Try a different outlet; Check and replace fuse if necessary.
No light output	Blackout mode active; Dimmer setting too low; Program error.	Deactivate blackout (e.g., via footswitch or DMX); Increase dimmer level; Restart the unit.
DMX control not working	Incorrect DMX address; Faulty DMX cable; DMX controller issue; DMX mode not selected.	Verify DMX address on unit and controller; Test DMX cable; Check DMX controller settings; Ensure DMX mode is active on the LB-427.
Wireless footswitch not responding	Footswitch out of range; Low battery in footswitch; Interference.	Move footswitch closer to the LED bar; Replace footswitch batteries; Minimize wireless interference.
Sound-activated mode not reacting	Microphone sensitivity too low; No sound input; Sound-activated mode not selected.	Increase microphone sensitivity; Ensure sound is present; Select sound-activated mode.

If the problem persists after trying these solutions, please contact Showlite customer support.

8. SPECIFICATIONS

Feature	Specification
Product Type	LED Lighting System
Model	LB-427
Light Source	4 x PAR Spots, each with 3 x 9W Tri-LEDs (RGB 3-in-1)
Total Power	108 Watts
Beam Angle	15°
Control Modes	DMX 512, Wireless Footswitch, Manual, Sound-Activated
Microphone	Integrated with sensitivity adjustment
LED Bar Dimensions (HxLxP)	24 x 104 x 7 cm
LED Bar Weight	4.0 kg
Housing Material	Powder-coated Steel
Color	Black
Tripod Height Adjustment	150 to 270 cm
Tripod Tube Diameter	35 mm
Tripod Max Load	50 kg

9. WARRANTY AND SUPPORT

Showlite products are designed for reliability and performance. For warranty information, please refer to the documentation provided at the time of purchase or visit the official Showlite website. If you require technical assistance or have questions not covered in this manual, please contact Showlite customer support through their official channels.