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Betopper LF4808

Betopper LF4808 260W Matrix Strobe Effect Light User Manual

Model: LF4808 | Brand: Betopper

1. Introduction

Thank you for purchasing the Betopper LF4808 260W Matrix Strobe Effect Light. This professional-grade lighting fixture is designed to deliver dynamic visual effects for various events and venues. To ensure safe and optimal performance, please read this manual thoroughly before operation and retain it for future reference.

1.1 Safety Information

- Always connect the fixture to a grounded power outlet.
- Ensure proper ventilation to prevent overheating.
- Do not open the housing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Avoid direct eye exposure to the light source, as it can cause eye damage.
- Keep the fixture away from moisture, water, and flammable materials.
- Disconnect power before cleaning or maintenance.

2. Product Overview

The Betopper LF4808 is a versatile 3-in-1 lighting solution combining strobe, RGB wash, and animated chase effects. It features advanced pixel mapping and zonal control for intricate visual designs.

2.1 Key Features

- **Strobe Light Impact:** Super bright white LEDs and RGB color LEDs for high-frequency strobe effects with pixel-mapped zone control.
- **Pixel Mapping & Zonal Control:** Independent zones for precise pixel mapping, fluid movement, sweeping chases, and beat-synced animations.
- **Efficient Power & Rugged Build:** Dedicated 200W/24V system for stable operation, metal housing, and anti-shock design for durability.
- **3-in-1 Versatility:** Integrates RGB color wash, white flash, and animated chase effects with 32-bit smooth dimming.

2.2 Components and Parts

Familiarize yourself with the main components of your LF4808 fixture:



Figure 1: Front view of the Betopper LF4808 displaying various colorful LED patterns.



Figure 2: Detailed view of the dual LED array, featuring 768 RGB LEDs and 112 White LEDs for dynamic effects.



Figure 3: Rear panel connections and controls, including Power In/Out, cooling fan, digital display, menu navigation buttons, and DMX In/Out ports. The model number LF4808 is clearly visible.

- **Power In/Out:** Connects to mains power and allows daisy-chaining power to other fixtures.
- **Fan:** Internal cooling fan for heat dissipation.
- **Display Screen:** Digital display for menu navigation and settings.
- **Menu/Up/Down/Enter Buttons:** For navigating and selecting options on the display.
- **DMX In/Out:** 3-pin XLR connectors for DMX control signal input and output.
- **Adjustable Bracket:** For mounting and positioning the fixture.

3. Setup

3.1 Unpacking

Carefully unpack your Betopper LF4808 fixture. Verify that all components listed in the packing list are present and undamaged.



Figure 4: Contents of the product package, including the strobe light, instruction manual, and power cable.

- Betopper LF4808 Strobe Light
- Power Cable
- Instruction Manual
- Hook Accessories (if included)

3.2 Mounting

The fixture can be mounted using its adjustable bracket. Ensure the mounting surface or truss is capable of supporting the weight of the fixture. Secure the fixture using appropriate clamps and safety cables (not included).

- Use the provided bracket to attach the fixture to a truss or stand.
- Adjust the angle using the side knobs and tighten them securely.
- Always use a safety cable as a secondary attachment point.

3.3 Connections

Connect the fixture to power and DMX control as follows:

- **Power:** Connect the supplied power cable to the "POWER IN" port and to a suitable power outlet. For multiple fixtures, use the "POWER OUT" port to daisy-chain power.
- **DMX Control:** Connect a DMX cable from your DMX controller's output to the "DMX IN" port of the first fixture. For multiple fixtures, connect the "DMX OUT" of the first fixture to the "DMX IN" of the next, and so on.

4. Operating Modes

The LF4808 offers several operating modes to suit various applications. Use the Menu, Up, Down, and Enter buttons on the rear panel to navigate and select modes.



Figure 5: Overview of the professional-grade strobe light's multiple running modes.

4.1 DMX Control

For advanced control, connect the fixture to a DMX controller. The LF4808 supports 4, 15, or 152 DMX channels, allowing for precise control over individual pixels, colors, dimming, and effects. Refer to the DMX chart in the appendix

(not included in this excerpt) for detailed channel assignments.

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Video 1: Demonstration of the Betopper LF4808 260W Matrix Strobe DJ Light's 3-in-1 effects under DMX control.

4.2 Auto Mode

In Auto Mode, the fixture cycles through pre-programmed patterns and effects automatically. This mode is ideal for quick setup without external control.

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Video 2: A demonstration of the 260W Matrix Strobe Effect Light's various automatic patterns and effects.

4.3 Master-Slave Mode

Connect multiple LF4808 fixtures via DMX cables. Set one fixture as the "Master" and the others as "Slave." The slave units will then mirror the master's effects, creating synchronized lighting displays.

4.4 RDM (Remote Device Management)

RDM allows for two-way communication between the DMX controller and the fixture, enabling remote addressing, mode changes, and monitoring of fixture status.

4.5 Pixel Mapping & Zonal Control Effects

The LF4808's design allows for intricate pixel mapping and zonal control, enabling complex animations and patterns. This feature transforms the strobe into a versatile effects engine.

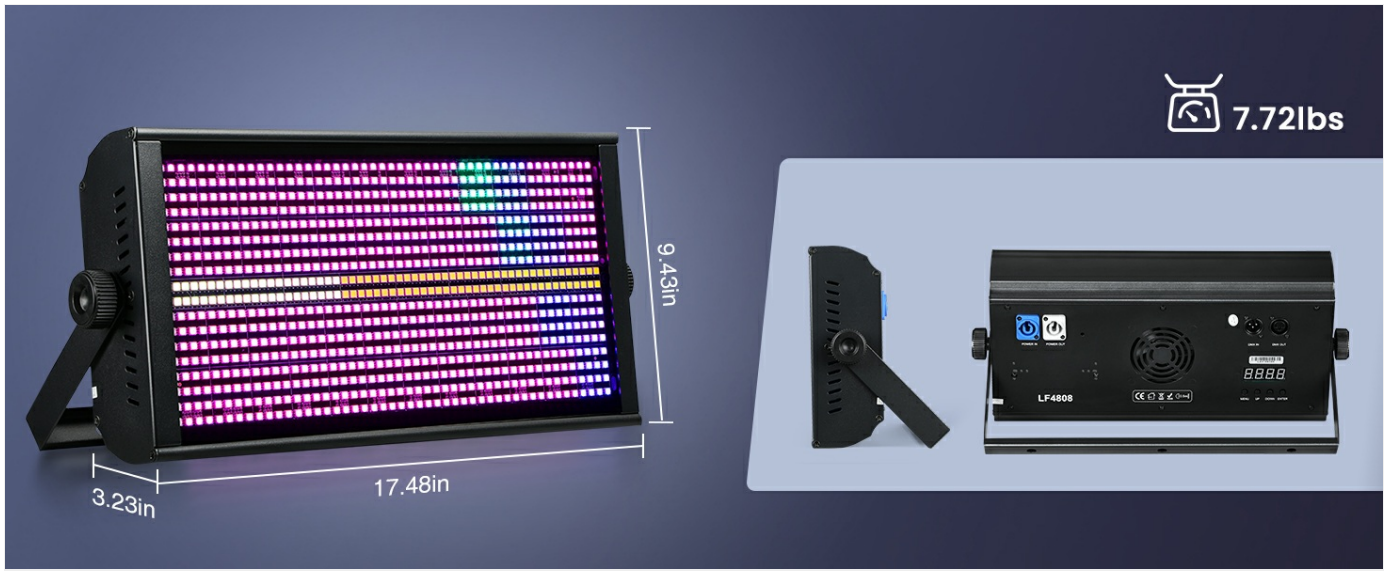


Figure 6: Examples of dynamic pixel-mapped and zonal control effects achievable with the LF4808.

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Video 3: A short preview demonstrating the matrix strobe effects of both LF2405 and LF4808 lights.

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Video 4: Various LED stage light effects and patterns from the Betopper 260W Strobe Effect Lights.

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Video 5: Comprehensive demonstration of the BETOPPER LF4808 260W Matrix Strobe Effect Lights in action.

5. Specifications

Detailed technical specifications for the Betopper LF4808:



Figure 7: Product dimensions and weight of the LF4808.

Specification	Value
Model Number	LF4808
Brand	Betopper
Light Source Type	Light Emitting Diode (LED)
Light Source Wattage	260 Watts
Brightness	6800 Lumens (Maximum Light Output)
Number of Light Sources	880 (768 RGB LEDs, 112 White LEDs)

Specification	Value
Voltage	24 Volts (Dedicated 200W/24V system)
Power Source	Corded Electric
Material	Aluminum
Finish Type	Aluminum
Color	Black
Product Dimensions	17.48"L x 3.23"W x 9.43"H
Item Weight	8.78 pounds
Bulb Features	RGB color LEDs, pixel-mapped zone control, 32-bit smooth dimming, strobe, wash, and motion effects
Control Modes	DMX512 (4/15/152CH), AUTO, Master-Slave, RDM
Frequency	1-30Hz (Flexible Flash Rate)
LED Lifetime	Min. 50,000 Hours
Operating Temperature	-30°C to 50°C

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your LF4808 fixture.

6.1 Cleaning

- Clean the exterior housing and lenses periodically with a soft, lint-free cloth.
- Do not use alcohol, solvents, or abrasive cleaners.
- Ensure the fan and ventilation openings are free from dust and debris. Use compressed air if necessary.

6.2 Storage

When not in use, store the fixture in a dry, dust-free environment, preferably in its original packaging or a protective case.

7. Troubleshooting

If you encounter issues with your LF4808, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fixture does not power on.	No power supply; faulty cable.	Check power connection and outlet. Test with a different power cable.
No DMX control.	Incorrect DMX address; faulty DMX cable; incorrect DMX mode.	Verify DMX address and mode settings. Check DMX cable connections. Ensure DMX controller is functioning.

Problem	Possible Cause	Solution
Lights flicker or behave erratically.	Poor DMX signal; power fluctuations.	Use a DMX terminator at the end of the DMX chain. Ensure stable power supply.
Overheating.	Blocked ventilation; prolonged use in high temperatures.	Ensure clear airflow around the fan and vents. Operate within specified temperature ranges.

If the problem persists, contact Betopper customer support for assistance.

8. Warranty and Support

Betopper products are designed for reliability and performance. For warranty information and technical support, please refer to the official Betopper website or contact your local distributor. Friendly after-sale service and technology support are provided for every customer.

For further assistance, visit: Betopper Official Store

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