Betopper LB150

Betopper LB150 150W Moving Head Beam Stage Light User Manual

Model: LB150

1. Introduction

Thank you for choosing the Betopper LB150 150W Moving Head Beam Stage Light. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before installation and use, and retain it for future reference.

The Betopper LB150 is a professional stage lighting fixture designed for various applications, including DJ events, parties, bars, weddings, and theatrical stages. It features a powerful 150W LED light source, 12 GOBO patterns, 12 colors, and a prism plate, offering versatile lighting effects.



Image 1.1: Betopper LB150 Moving Head Beam Light. This image displays the main unit of the Betopper LB150, highlighting its compact design and large lens.

2. Safety Information

WARNING: To prevent fire and electric shock, do not expose this fixture to rain or moisture. Do not operate the unit if the power cord is frayed or broken. Always disconnect from main power before servicing or replacing fuse.

- This product is for professional use only.
- Ensure the power supply voltage matches the voltage specified on the unit.
- Always connect the unit to a grounded circuit to avoid the risk of electrocution.
- 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.
- Ensure adequate ventilation around the fixture. Do not block ventilation openings.
- Mount the fixture securely using appropriate hardware and safety cables.

- Keep flammable materials away from the fixture.

3. Product Features

- **Powerful Illumination:** Equipped with a 150W LED light source, delivering 115,000 lux at 3 meters.
- **Dynamic Effects:** Features 12 distinct GOBO patterns and 12 vibrant colors.
- **Prism Plate:** Includes 1 prism plate with 8+16 prisms for expanded visual effects.
- **Beam Angle:** Ultra-tight 1.78° beam for precise light projection.
- **Control Modes:** Supports DMX512, Sound Activated, Auto (multiple modes), and Master/Slave operation.
- **Dimming & Strobe:** 0-100% smooth linear dimming and variable strobe effects.
- **User Interface:** Full LCD display for easy manual control and menu navigation.
- **Quiet Operation:** Designed with a quiet fan for minimal noise during performance.
- **Flexible Installation:** Includes flexible clamp and M12 screw installation options.

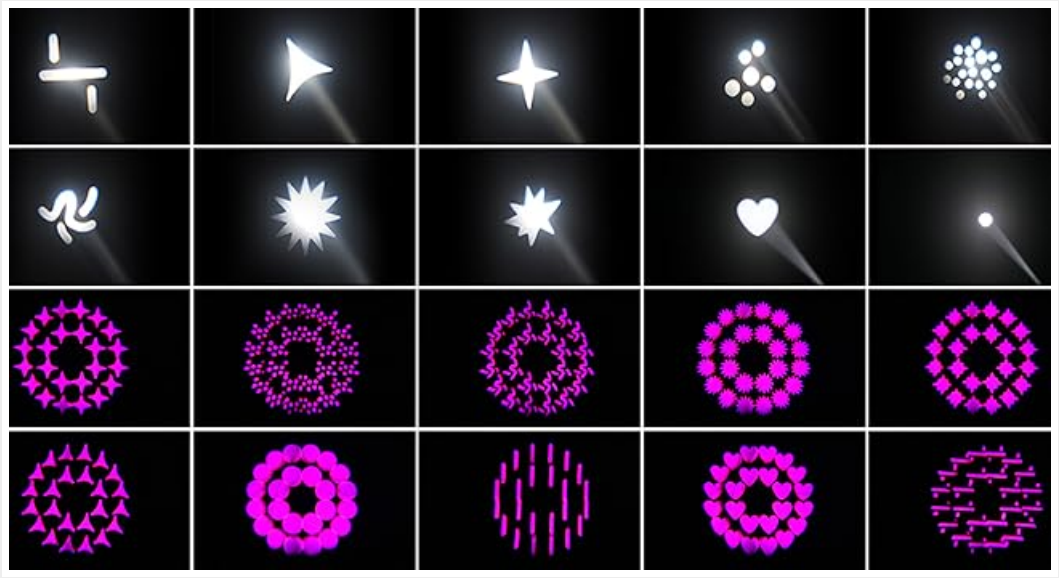


Image 3.1: Various GOBO patterns available with the Betopper LB150. This image illustrates the diverse shapes and designs that can be projected by the light.

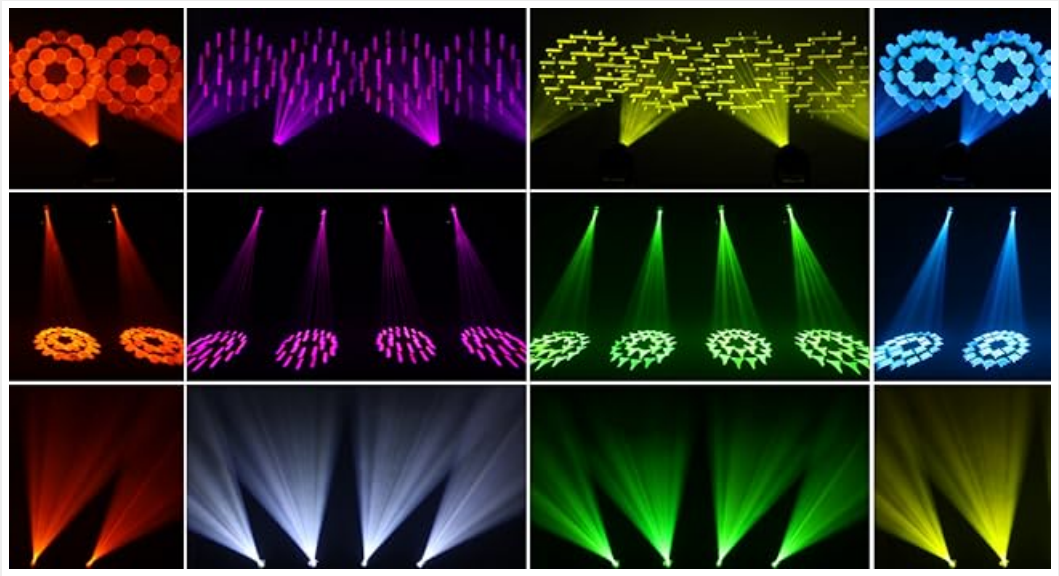


Image 3.2: Examples of color and GOBO combinations. This image demonstrates the range of visual effects achievable by combining different colors and patterns.

4. Package Contents

Verify that all items listed below are present and in good condition upon opening the package:

- Betopper LB150 Moving Head Light (1 unit)
- Power Input Cable (1 unit)
- Safety Rope (1 unit)
- Light Hook Plate (1 unit)
- User Manual (this document)



Image 4.1: Included accessories for the Betopper LB150. This image shows the power cable, safety rope, light hook plate, and the instruction manual alongside the main light unit.

5. Setup and Installation

5.1 Mounting

The Betopper LB150 can be mounted in various positions: floor-standing, truss-mounted, or wall-mounted. Always ensure the mounting surface or truss is capable of supporting the fixture's weight (approximately 11.68 lbs / 5.3 kg) and any additional equipment.

- **Floor Mount:** Place the unit on a stable, level surface.
- **Truss/Wall Mount:** Use the provided light hook plate and M12 screw options. Securely attach the clamp to the fixture and then to the truss or mounting point. Always use the safety rope to provide secondary security against accidental detachment.



Image 5.1: Dimensions and weight of the Betopper LB150. This image provides a visual representation of the light's physical size and weight for installation planning.

5.2 Power Connection

1. Connect the supplied power input cable to the POWER IN port on the rear of the fixture.
2. Plug the other end of the power cable into a suitable grounded power outlet (AC 100-240V, 50/60Hz).
3. The unit features a POWER OUT port for daisy-chaining power to other compatible fixtures. Ensure the total current draw does not exceed the circuit's capacity.

5.3 DMX Connection (Optional)

For advanced control, connect the fixture to a DMX controller using standard 3-pin DMX cables.

1. Connect the DMX OUT of your controller to the DMX IN port of the first fixture.
2. For multiple fixtures, connect the DMX OUT of the first fixture to the DMX IN of the next, and so on (daisy-chaining).
3. Ensure the last fixture in the chain has a DMX terminator connected to its DMX OUT port to prevent signal reflection.



Image 5.2: Front and back panel overview of the Betopper LB150. This image highlights the DMX IN/OUT, Power IN/OUT, Fuse, LED Display, and control buttons (Menu, Down, OK, Up).

6. Operating Instructions

6.1 Control Panel

The Betopper LB150 features an LCD display and four buttons for menu navigation and setting adjustments:

- **MENU:** Accesses the main menu or goes back to the previous menu level.

- **UP:** Navigates up through menu options or increases parameter values.
- **DOWN:** Navigates down through menu options or decreases parameter values.
- **OK:** Confirms a selection or enters a submenu.

6.2 Operating Modes

The fixture supports several operating modes:

- **DMX512 Mode:** Allows external control via a DMX controller. Refer to the DMX Channel Chart (typically found in a separate DMX manual or appendix) for specific channel functions.
- **Sound Activated Mode:** The light reacts to ambient sound, creating dynamic effects synchronized with music. Sensitivity can often be adjusted via the menu.
- **Auto Mode:** Pre-programmed sequences run automatically. The LB150 offers multiple auto modes (e.g., "calm," "energetic") which can be selected from the menu.
- **Master/Slave Mode:** Connect multiple LB150 units. One unit acts as the master, controlling all other slave units, which mirror its actions.

7. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your Betopper LB150.

- **Cleaning:** Periodically clean the exterior of the fixture with a soft, dry cloth. For the lens, use a soft cloth and a non-abrasive glass cleaner. Ensure the fixture is powered off and cool before cleaning.
- **Ventilation:** Keep ventilation openings clear of dust and debris to prevent overheating. Use compressed air to clear vents if necessary.
- **Inspection:** Regularly inspect power cables, DMX cables, and mounting hardware for any signs of wear, damage, or loose connections. Replace damaged components immediately.
- **Fuse Replacement:** If the fuse blows, replace it with a fuse of the exact same type and rating (refer to specifications or the fuse holder label). Always disconnect power before replacing the fuse.

8. Troubleshooting

If you encounter issues with your Betopper LB150, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable disconnected, faulty outlet, blown fuse.	Check power cable connection. Test outlet with another device. Replace fuse if blown (see Maintenance).
No DMX control	Incorrect DMX address, faulty DMX cable, no DMX terminator, DMX controller issue.	Verify DMX address setting on the fixture. Check DMX cable connections. Ensure DMX terminator is used on the last fixture. Test with a different DMX cable or controller.
Light not moving/responding	Motor issue, DMX signal problem, incorrect operating mode.	Check DMX connection and address. Switch to Auto or Sound Activated mode to test motor function. If problem persists, contact support.
Overheating	Blocked ventilation, prolonged use in high ambient temperatures.	Ensure ventilation openings are clear. Allow the fixture to cool down. Operate in a well-ventilated area.

9. Technical Specifications

Feature	Specification
Model	LB150
Light Source	150W LED
Brightness	115,000 lux @ 3 meters
Beam Angle	1.78°
GOBO Wheel	12 fixed GOBO patterns
Color Wheel	12 colors + Half color effect
Prism	1 prism plate (8+16 prisms)
Dimming	0-100% linear electronic dimming
Strobe	Variable electronic strobe
Control Modes	DMX512, Sound Activated, Auto, Master/Slave
DMX Channels	Refer to DMX Channel Chart in full manual
Input Voltage	AC 100-240V, 50/60Hz
Power Consumption	150W (Max)
Material	Aluminum
Product Dimensions	9.29"L x 6.67"W x 11.5"H (236mm x 174.4mm x 292mm)
Item Weight	11.68 lbs (5.3 kg)
Color	Black

10. Warranty and Support

Betopper products are designed for reliability and performance. For warranty information, please refer to the warranty card included with your product or visit the official Betopper website. For technical support, troubleshooting assistance, or spare parts, please contact Betopper customer service through their official channels.
Please have your model number (LB150) and purchase date available when contacting support.

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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