Betopper LC003H

BETOPPER LC003H LED Stage Light User Manual

Model: LC003H

Introduction   Safety   Contents   Overview   Setup   Operation   Maintenance   Troubleshooting

Specifications   Warranty

1. INTRODUCTION

Thank you for choosing the BETOPPER LC003H LED Stage Light. This manual provides essential information for the safe and effective use of your new lighting fixture. Please read it thoroughly before installation and operation, and retain it for future reference.

The BETOPPER LC003H is a versatile LED par light designed for various applications, including stage performances, DJ events, parties, weddings, church events, and studio lighting. It features super bright LEDs, adjustable color temperatures, and DMX512 control capabilities.

2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Always connect the fixture to a grounded power outlet. Ensure the voltage matches the product's specifications (AC 100-240V, 50/60Hz). Disconnect power before any service or maintenance.

- **Installation:** Install the fixture in a well-ventilated area, away from heat sources. Ensure secure mounting using appropriate hardware. Avoid direct exposure to rain or moisture.

- **Operation:** Do not look directly into the light source when the fixture is operating, as it can cause eye damage. Keep flammable materials away from the light.

- **Handling:** Do not operate the fixture if the power cord is damaged. Do not attempt to repair the unit yourself; refer all servicing to qualified personnel.

- **Temperature:** The fixture may become hot during operation. Allow sufficient cooling time before handling.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x BETOPPER LC003H LED Stage Light

- 2 x Mounting Brackets

- 2 x Screws

- 1 x User Manual

4. PRODUCT OVERVIEW

The BETOPPER LC003H is a high-performance LED stage light designed for professional and event use. Key features include:

- **Super Bright LED Source:** Equipped with 54x2W LEDs, providing 5000 lumens of illumination with 0-100% brightness adjustment.

- **Adjustable White Light:** Offers cold white (5600K) and warm white (3200K) pure light sources, suitable for various ambiance requirements.

- **High Color Rendering Index (CRI):** With a CRI (RA) greater than 90, colors appear faithfully, making it ideal for studios and photostudios.

- **Strobe Effect:** Supports 0-20Hz strobe effects in warm white, cold white, or mixed warm-cold white modes.

- **Power & XLR COMBO Design:** Integrated XLR and power cable design with an adapter for simplified connectivity.

- **Durable Construction:** Made from Acrylonitrile Butadiene Styrene (ABS) with a painted finish, ensuring longevity.

- **Flexible Mounting:** Includes brackets for floor mounting or truss attachment, with 180-degree Y-axis adjustment.

Figure 1: Front view of the BETOPPER LC003H LED Stage Light, showcasing its 54 LED array and adjustable bracket.

Y Axis：180°

Figure 2: Detailed view of the BETOPPER LC003H LED Stage Light's rear panel, highlighting the input/output ports and control buttons (Menu, Up, Down, Enter).
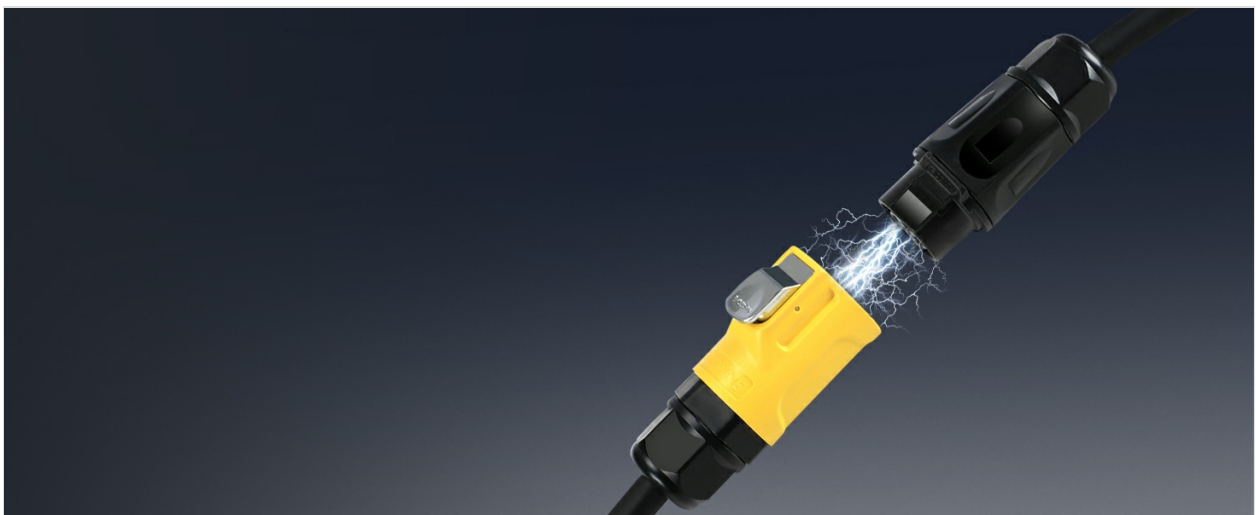

Figure 3: Close-up of the Power & XLR COMBO design on the BETOPPER LC003H LED Stage Light, showing the integrated power and DMX connections.

5. SETUP INSTRUCTIONS

5.1 Mounting the Fixture

1. Attach the included mounting brackets to the sides of the fixture using the provided screws.

2. Choose a stable location for the light. It can be placed on a flat surface or mounted to a truss or ceiling using appropriate clamps (not included).

3. Ensure the mounting point can support the weight of the fixture (approximately 5.39 lbs).

4. Adjust the angle of the light using the bracket's knobs to achieve the desired illumination direction. The fixture allows for 180-degree rotation on the Y-axis.

Figure 4: The BETOPPER LC003H LED Stage Light with its adjustable bracket, demonstrating 180-degree rotation along the Y-axis.

5.2 Power Connection

Connect the integrated power cable to a standard AC 100-240V, 50/60Hz grounded power outlet.

5.3 DMX Connection (Optional)

For DMX control, connect a DMX controller to the 'DMX IN' port on the fixture using a 3-pin XLR cable. If connecting multiple fixtures, link them in a daisy chain from 'DMX OUT' of the first fixture to 'DMX IN' of the next. Ensure the last fixture in the chain has a DMX terminator installed (not included) for optimal signal integrity.
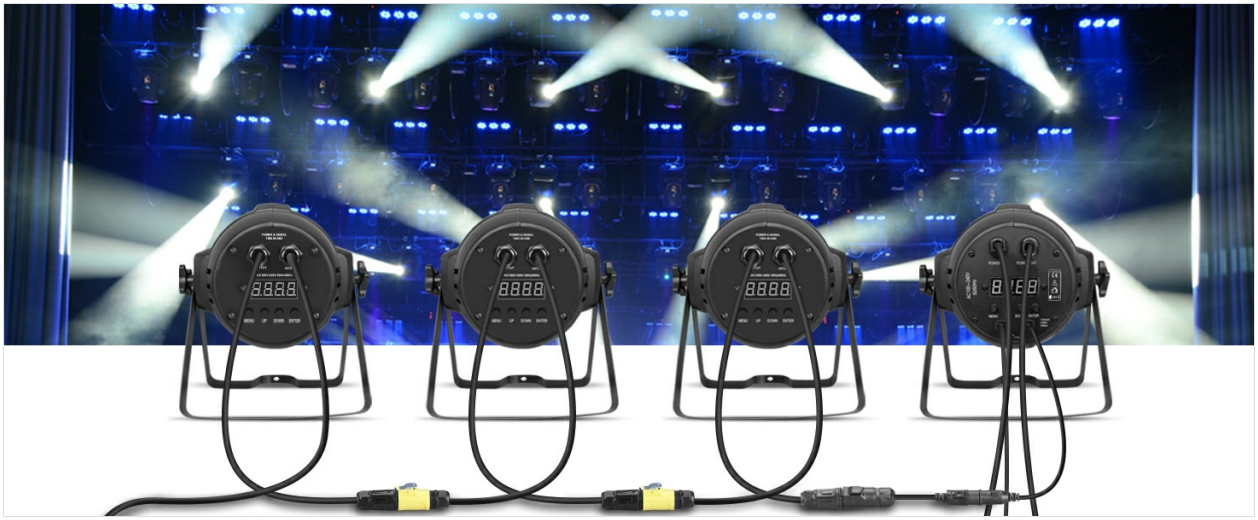
Figure 5: Multiple BETOPPER LC003H LED Stage Lights connected in a daisy chain configuration for synchronized operation.

6. OPERATING INSTRUCTIONS

6.1 Control Panel

The fixture features a digital display and four control buttons on the rear panel:

- **MENU:** Cycles through the main menu options.

- **UP:** Increases values or navigates upwards through menu options.

- **DOWN:** Decreases values or navigates downwards through menu options.

- **ENTER:** Confirms selections or enters sub-menus.

6.2 Operating Modes

The BETOPPER LC003H supports several operating modes:

- **DMX512 Mode:** Allows external control via a DMX controller. Set the DMX address using the control panel. Refer to the DMX channel chart (not provided in this manual, typically found in a separate DMX guide) for specific control functions.

- **Master/Slave Mode:** Connect multiple fixtures via DMX cables. Set one fixture as 'Master' and others as 'Slave'. The slave units will mimic the master's settings.

- **Sound-Activated Mode:** The light reacts to ambient sound, creating dynamic lighting effects.

- **Auto Mode:** Cycles through pre-programmed lighting sequences automatically.

- **Static Color Mode:** Select a fixed color temperature (cold white, warm white, or mixed) and adjust brightness.

- **Strobe Mode:** Activate the strobe effect and adjust its speed (0-20Hz).

Figure 6: Demonstration of the BETOPPER LC003H LED Stage Light's warm white, cold white, and mixed white light output.

DMX512

MASTER-SLAVE

Figure 7: Diagram illustrating DMX512 and Master/Slave connectivity options for the BETOPPER LC003H LED Stage Light.

7. MAINTENANCE

7.1 Cleaning

Regular cleaning helps maintain optimal light output and extends the fixture's lifespan.

- Disconnect power before cleaning.

- Use a soft, lint-free cloth to wipe the exterior. For stubborn dirt, a slightly damp cloth can be used.

- Clean the lens periodically to ensure maximum brightness.

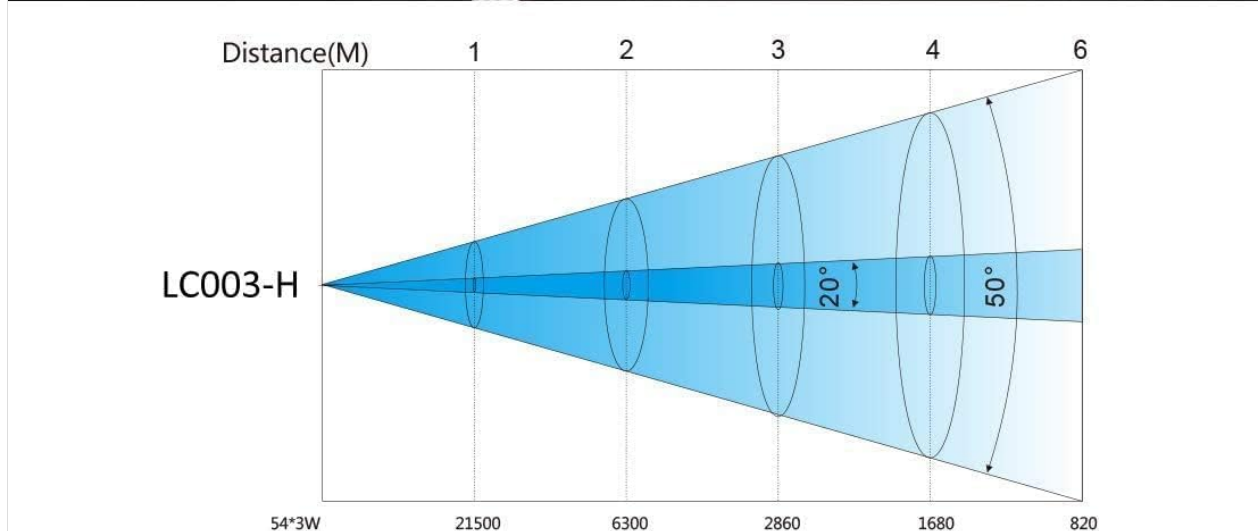- Ensure all vents are clear of dust and debris to prevent overheating.

Figure 8: Diagram illustrating the internal cooling fan and airflow within the BETOPPER LC003H LED Stage Light, emphasizing the importance of clear vents.

7.2 Storage

When not in use, store the fixture in a dry, dust-free environment. If possible, use the original packaging for protection.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Outlet not active; Fuse blown	Check power connections; Test outlet; Replace fuse (if applicable and safe to do so)
Light not working	Incorrect mode selected; DMX signal issue; Internal fault	Verify operating mode; Check DMX connections/address; Contact support
DMX control issues	Incorrect DMX address; Faulty DMX cable; No DMX terminator	Set correct DMX address; Test/replace DMX cables; Add DMX terminator to last fixture
Overheating	Poor ventilation; Blocked vents	Ensure adequate airflow around fixture; Clean vents

9. SPECIFICATIONS

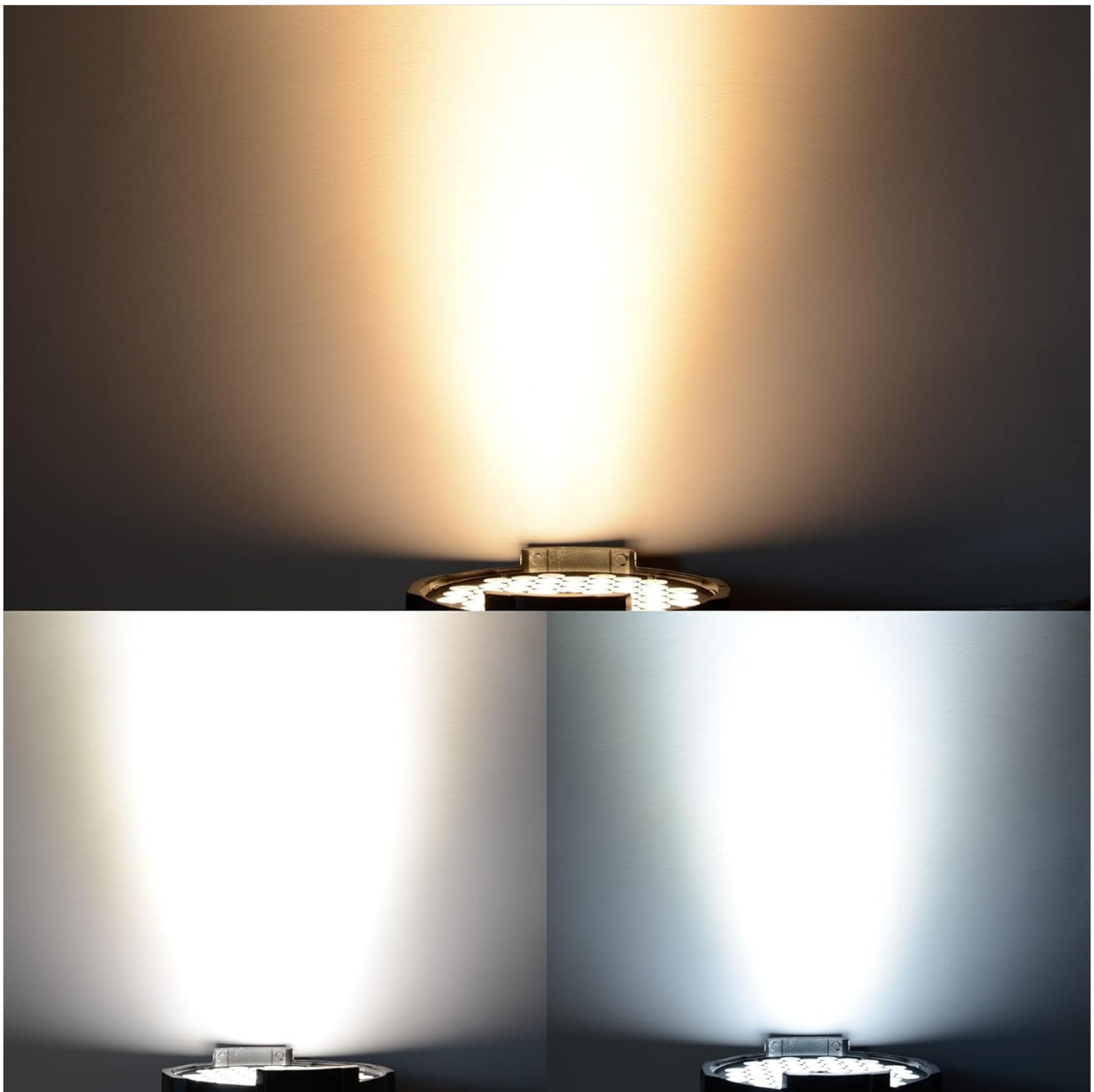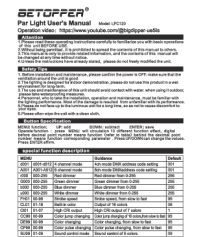| Feature	Detail
Model Number	LC003H
Light Source	54 x 2W LED
Brightness	5000 Lumens
Color Temperature	5600K (Cold White), 3200K (Warm White)
Color Rendering Index (CRI)	RA > 90
Strobe Frequency	0-20 Hz
Power Source	Corded Electric
Voltage	AC 100-240V, 50/60Hz
Wattage	108 Watts (Max)
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	11"L x 8"W x 8"H (approx.)
Item Weight	5.39 pounds
Mounting Type	Floor Mount
Certifications	CE, EMC, LVD, PSE

Figure 9: Beam angle and light intensity diagram for the BETOPPER LC003H LED Stage Light, showing light output at various distances.

10. WARRANTY AND SUPPORT

BETOPPER products are manufactured to high-quality standards. For warranty information, please refer to the terms and conditions provided at the time of purchase or contact BETOPPER customer support directly. If you encounter any issues or have questions regarding your LC003H LED Stage Light, please reach out to our support team for assistance.

Contact Information: Please visit the official BETOPPER website or your retailer's support page for the most current contact details.

Related Documents - LC003H

	[BETOPPER LF4808 200W Strobe Light User Manual](#) User manual for the BETOPPER LF4808 200W Strobe Light, detailing DMX control, channel descriptions, menu settings, technical specifications, safety information, and operational guides.
	[BETOPPER PAR Light Introduction Manual & Technical Specifications](#) Comprehensive introduction manual for the BETOPPER PAR Light (54x3W, RGB, DMX512). Includes technical specifications, safety warnings, warranty information, and remote control instructions for stage and event lighting.
	[BETOPPER LPC007 LED Par Stage Light DMX User Manual](#) User manual for the BETOPPER LPC007 LED Par Stage Light DMX. Includes features, technical specifications, safety instructions, and DMX channel functions.
	[BETOPPER LPC007 LED Par Stage Light DMX User Manual](#) User manual for the BETOPPER LPC007 LED Par Stage Light DMX, detailing its features, specifications, operation, and safety instructions. Covers DMX channel functions, dimensions, and technical parameters.
	[BETOPPER LED PAR User Manual - LPC180, LPC180-H, LPC60](#) Comprehensive user manual for BETOPPER LED PAR lights (Models LPC180, LPC180-H, LPC60). Covers technical specifications, operating modes, DMX control, safety tips, and warranty information.
	[Betopper LPC120 Par Light User Manual](#) Comprehensive user manual for the Betopper LPC120 Par Light, detailing operation, safety tips, button specifications, technical parameters, and DMX channel functions.