Betopper 7*40W Moving Head DJ Light

Betopper 7*40W Moving Head DJ Light User Manual

Model: LM0740D

Brand: Betopper

1. Introduction

Thank you for choosing the Betopper 7*40W Moving Head DJ Light. This professional stage lighting fixture is designed to deliver dynamic and vibrant lighting effects for various events, including concerts, theaters, weddings, clubs, bars, and parties. Featuring pixel-controlled RGBW LEDs, it offers precise control over color, brightness, and flashing frequency, enabling highly creative and expressive lighting designs.

The LM0740D model incorporates advanced RGBW LED technology, capable of producing a wide spectrum of colors with exceptional vibrancy and a broad color temperature range from 2800K to 8500K. Its powerful 40W LEDs ensure intense brightness, delivering over 3000 lumens for clear beam penetration across stages of any size. This versatile light supports wash effects, zoom-adjustable beams (4.5°-45° angle range), and kaleidoscope visuals, allowing for limitless lighting combinations.



Figure 1.1: Front view of the Betopper 7*40W Moving Head DJ Light, showcasing its hexagonal LED array and control panel.

2. Safety Instructions

To ensure safe operation and prolong the lifespan of your device, please read and follow these instructions carefully:

- Always connect the device to a grounded power outlet.
- Do not expose the device to rain or moisture.
- Ensure adequate ventilation around the unit. Do not block ventilation openings.
- Avoid direct eye exposure to the light source.
- Disconnect power before cleaning or servicing.
- Only qualified personnel should perform repairs.
- Maintain a minimum distance of 0.5 meters from flammable materials.

3. Product Overview and Components

The Betopper LM0740D features a robust aluminum construction and a user-friendly interface. Key components include the LED head, base, LCD display, and various input/output ports.



Figure 3.1: Front and back view of the LM0740D, highlighting the LCD display, function menu, DMX input/output, power connection, and safety wire power switch.

3.1 Key Features

- **Pixel Control:** Individual control of each 40W LED for precise color and effect manipulation.
- **RGBW LED Technology:** Produces a wide range of vibrant colors and adjustable color temperature (2800K - 8500K).
- **High Brightness:** Over 3000 lumens output for strong beam penetration.
- **Versatile Effects:** Wash, zoom (4.5°-45°), kaleidoscope, beam, and strobe effects.
- **Movement:** 540° X-axis (Pan) and 270° Y-axis (Tilt) rotation for dynamic positioning.
- **Control Modes:** DMX (35/23/51 CH), Master-Slave, Sound Activation, and Automatic modes.
- **LCD Display:** For easy manual adjustments and mode selection.



Figure 3.2: Illustration of various effects including Kaleido, Wash, and Beam, achievable with the 7x40W RGBW Moving Head Light.



Figure 3.3: Depiction of the versatile zoom angle range from 4.5° to 45°.



Figure 3.4: Diagram illustrating the 540° X-axis (Pan) and 270° Y-axis (Tilt) rotation capabilities of the light.

4. Setup

4.1 Mounting

The fixture can be mounted in various orientations (e.g., truss, floor) using appropriate clamps and safety cables. Ensure the mounting surface or structure can support the weight of the fixture and any additional equipment.

- Securely attach mounting clamps to the base of the fixture.
- Always use a safety cable, independent of the main mounting, to prevent accidental drops.
- Ensure the fixture is stable and level to prevent unwanted movement during operation.

4.2 Power Connection

Connect the provided power cable to the 'POWER IN' port on the rear of the fixture and then to a suitable grounded power outlet. Verify the voltage matches the fixture's requirements (typically 100-240V AC, 50/60Hz).

4.3 DMX Connection (Optional)

For DMX control, connect a DMX cable from your DMX controller's output to the 'DMX IN' port of the first fixture. For multiple fixtures, daisy-chain them by connecting the 'DMX OUT' of the first fixture to the 'DMX IN' of the next, and so on. Terminate the last fixture in the chain with a DMX terminator.

5. Operating Modes

The Betopper LM0740D offers multiple control options to suit various applications.

5.1 LCD Display and Menu Navigation

Use the LCD display and control buttons (MENU, UP, DOWN, ENTER) on the base of the fixture to navigate through settings and select operating modes.

- **MENU:** Cycles through main menu options.
- **UP/DOWN:** Navigates within menus or adjusts values.
- **ENTER:** Confirms selection or enters a submenu.

5.2 DMX Control Mode

This mode allows precise control over all fixture functions via a DMX controller. The LM0740D supports multiple DMX channel modes (e.g., 35 CH, 23 CH, 51 CH) for varying levels of control complexity.

- Set the DMX address for each fixture using the LCD display. Ensure each fixture has a unique address.
- Refer to the DMX channel chart (usually provided in a separate appendix or detailed manual) for specific channel functions.

5.3 Master-Slave Mode

In this mode, one fixture acts as the 'Master' and controls other 'Slave' fixtures. All slave fixtures will mirror the master's movements and effects.

- Set one fixture to 'Master' mode via the LCD display.
- Set all other fixtures to 'Slave' mode.
- Connect the DMX OUT of the Master to the DMX IN of the first Slave, and continue daisy-chaining.

5.4 Sound Activation Mode

The fixture will react to ambient sound, creating dynamic light shows synchronized with music or audio.

- Select 'Sound Active' mode from the LCD menu.
- Adjust microphone sensitivity if available to fine-tune responsiveness.

5.5 Automatic Modes

Pre-programmed light shows run automatically without external control.

- Choose from various built-in 'Auto' programs via the LCD menu.
- Some modes may allow adjustment of speed or intensity.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your Betopper Moving Head DJ Light.

6.1 Cleaning

- Disconnect power before cleaning.

- Use a soft, lint-free cloth to wipe the exterior.
- For optical components (lenses), use a specialized lens cleaner and cloth to avoid scratches.
- Periodically clean ventilation openings to prevent dust buildup, which can lead to overheating.

6.2 Storage

When not in use, store the fixture in a dry, dust-free environment, preferably in its original packaging or a padded flight case to protect it from physical damage.

7. Troubleshooting

If you encounter issues with your Betopper Moving Head DJ Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable disconnected, faulty outlet, blown fuse.	Check power connections, try a different outlet, inspect and replace fuse if necessary.
No DMX control	Incorrect DMX address, faulty DMX cable, no terminator, DMX controller issue.	Verify DMX address, check DMX cables, ensure terminator is used, test with another DMX controller.
Fixture not moving	Motor calibration issue, DMX signal problem, physical obstruction.	Perform a reset/calibration via the menu, check DMX signal, ensure no physical obstructions.
Lights flickering or inconsistent	Poor power supply, DMX signal interference, overheating.	Ensure stable power, check DMX connections, ensure adequate ventilation.

If the problem persists after attempting these solutions, please contact Betopper customer support.

8. Specifications

Feature	Description
Model	LM0740D
Light Source	7 x 40W RGBW 4-in-1 LEDs
Brightness	>3000 Lumens
Color Temperature	2800K - 8500K
Zoom Angle Range	4.5° - 45°
Pan Movement	540°
Tilt Movement	270°
Control Modes	DMX (35/23/51 CH), Master-Slave, Sound Activation, Auto
Material	Aluminum
Finish Type	Brushed

Feature	Description
Color	Black

9. Warranty and Support

Betopper products are manufactured to high-quality standards. For information regarding warranty coverage and terms, 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 the contact information provided on the product packaging or the official brand website. When contacting support, please have your product model (LM0740D) and purchase details ready.

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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.

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