

Betopper LM0740D

Betopper LM0740D 7*40W Moving Head DJ Light User Manual

Model: LM0740D

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your Betopper LM0740D 7*40W Moving Head DJ Light. This advanced stage lighting fixture features individual pixel control for each LED, allowing for dynamic and creative lighting effects. It utilizes brilliant RGBW LED technology to produce a wide spectrum of vibrant colors and offers versatile effects including beam, wash, zoom, and kaleidoscope patterns. The LM0740D is designed for various applications, from small parties to professional stage performances.



2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installation, operation, or maintenance of this device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- This product is for professional use only.
- Ensure the power supply voltage matches the device's requirements.
- Always disconnect from the main power supply before cleaning, servicing, or moving the fixture.
- Do not operate the fixture if the power cord is damaged.
- Avoid direct eye exposure to the light source.
- Ensure adequate ventilation around the fixture to prevent overheating.
- Mount the fixture securely using appropriate hardware and safety cables.
- Keep the device away from rain, moisture, and extreme temperatures.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking. If any items are missing or damaged, contact your retailer immediately.

- Beam Moving Head Light (x2)
- User Manual (x1)
- Power Cable (x1)
- DMX Signal Cable (x1)
- Mounting Accessories

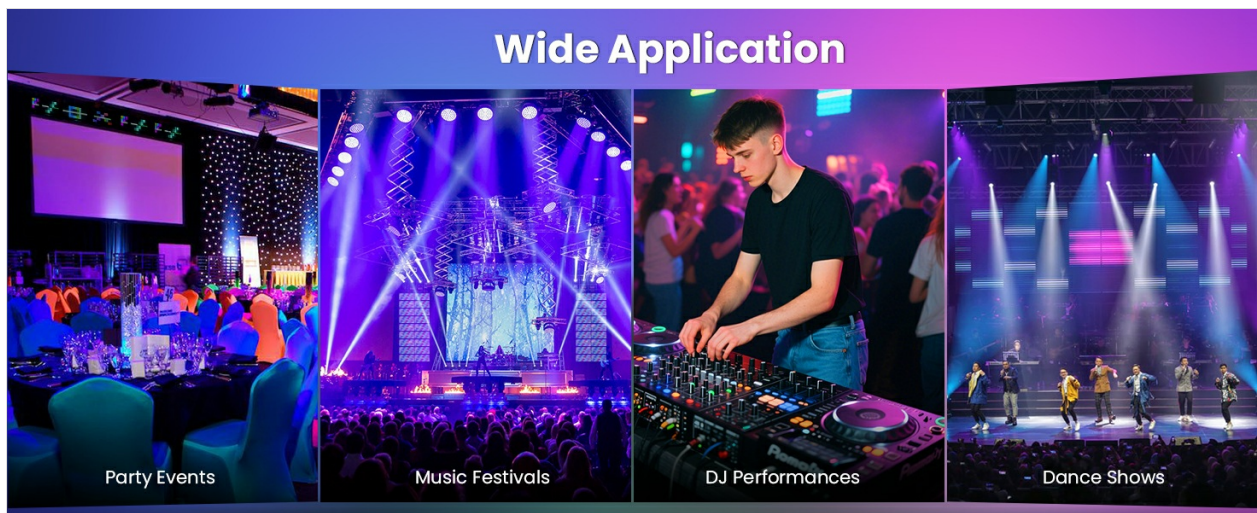


Image 3.1: Package Contents.

4. PRODUCT OVERVIEW

Familiarize yourself with the various parts and connections of the LM0740D fixture.

Introduction

LM0740 Front & back



Image 4.1: LM0740D Front and Back Panel Overview.

Key Components:

- **LED Display:** Shows current mode, DMX address, and menu options.
- **Function Menu Buttons:** Navigate and select options on the LCD display (MENU, UP, DOWN, ENTER).
- **DMX Input/Output:** 3-pin XLR connectors for DMX control signal.
- **Power Connection:** PowerCON input and output for daisy-chaining power.
- **Safety Wire Power Switch:** Main power switch for the unit.
- **Mounting Points:** For attaching clamps and safety cables.

5. SETUP

5.1 Mounting

The fixture can be mounted in various positions (floor, truss, wall) using the provided mounting accessories. Ensure the mounting surface or truss is capable of supporting the weight of the fixture(s).

1. Attach appropriate clamps to the mounting points on the base of the fixture.
2. Secure the fixture to a truss or other stable structure.
3. Always use a safety cable, independently secured, to prevent the fixture from falling in case of primary mounting failure.

5.2 Power Connection

Connect the included power cable to the PowerCON input on the fixture and then to a suitable power outlet. The PowerCON output can be used to daisy-chain power to additional fixtures (ensure total current draw does not exceed circuit limits).

5.3 DMX Connection

For DMX control, connect a DMX controller to the DMX IN port of the first fixture using a 3-pin XLR DMX cable. Connect the DMX OUT of the first fixture to the DMX IN of the next fixture in the chain, and so on. Terminate the last fixture in the DMX chain with a 120-ohm DMX terminator.

6. OPERATING MODES

The LM0740D offers multiple operating modes to suit various control preferences and applications.

6.1 DMX Control

This mode allows for precise control over all fixture functions using an external DMX controller. The LM0740D supports 23, 35, or 51 DMX channels. Refer to the DMX chart in the full manual for detailed channel assignments.

- Set the desired DMX address using the LCD display and menu buttons.
- Select the appropriate DMX channel mode (23CH, 35CH, or 51CH) via the menu.
- Connect your DMX controller as described in Section 5.3.

6.2 Master-Slave Mode

Link multiple LM0740D fixtures to operate synchronously without a DMX controller. One fixture acts as the master, controlling the others (slaves).

1. Connect the DMX OUT of the master fixture to the DMX IN of the first slave fixture, and continue the chain.
2. Set the master fixture to an automatic or sound-activated mode.
3. Set all slave fixtures to 'Slave' mode via their LCD menus.

6.3 Sound Activation Mode

The fixture reacts to ambient sound, creating dynamic light shows synchronized with music. Adjust sensitivity via the menu.

6.4 Automatic Modes

The fixture features built-in automated programs for standalone operation. Select from various pre-programmed sequences via the LCD menu.

6.5 Lighting Effects and Features

The LM0740D offers a range of effects:

- **Pixel Control:** Individual control of each of the 7 LEDs for complex patterns.
- **RGBW Color Mixing:** Produces a wide spectrum of colors with adjustable color temperature (2800K - 8500K).
- **Beam Effect:** Creates sharp, focused light beams.
- **Wash Effect:** Produces a soft, diffused light spread.
- **Zoom:** Adjustable beam angle from 4.5° to 45° for versatile coverage.
- **Kaleidoscope:** Unique rotating patterns.
- **Pan/Tilt Movement:** 540° Pan (X-axis) and 270° Tilt (Y-axis) for wide coverage.
- **Dimming:** Smooth electronic dimming from 0-100%.
- **Strobe:** Adjustable strobe speed.



Image 6.1: Pan and Tilt Movement.

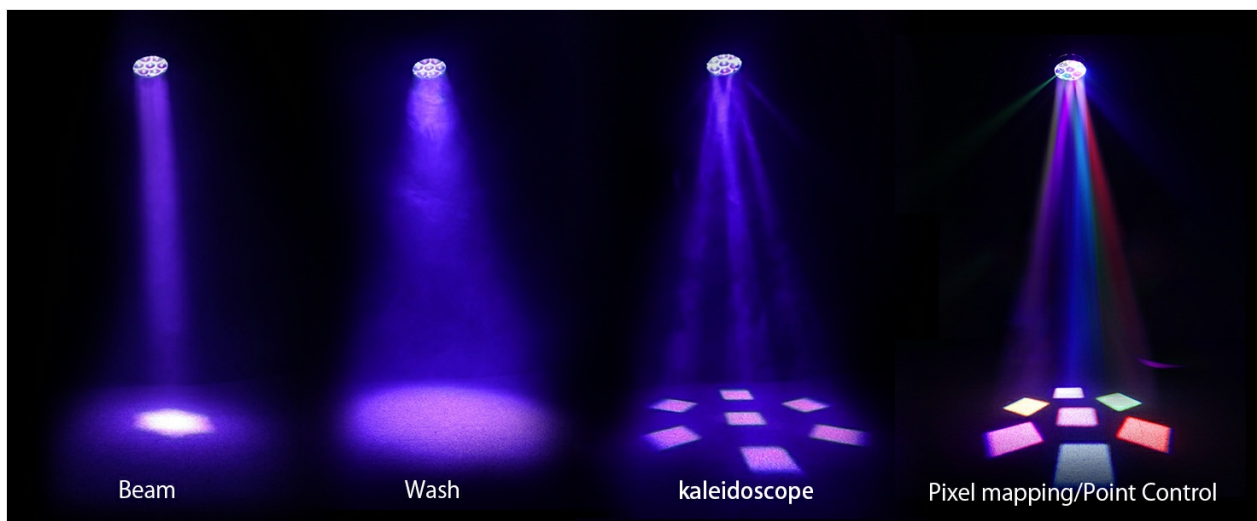


Image 6.2: Beam, Wash, Kaleidoscope, and Pixel Mapping Effects.

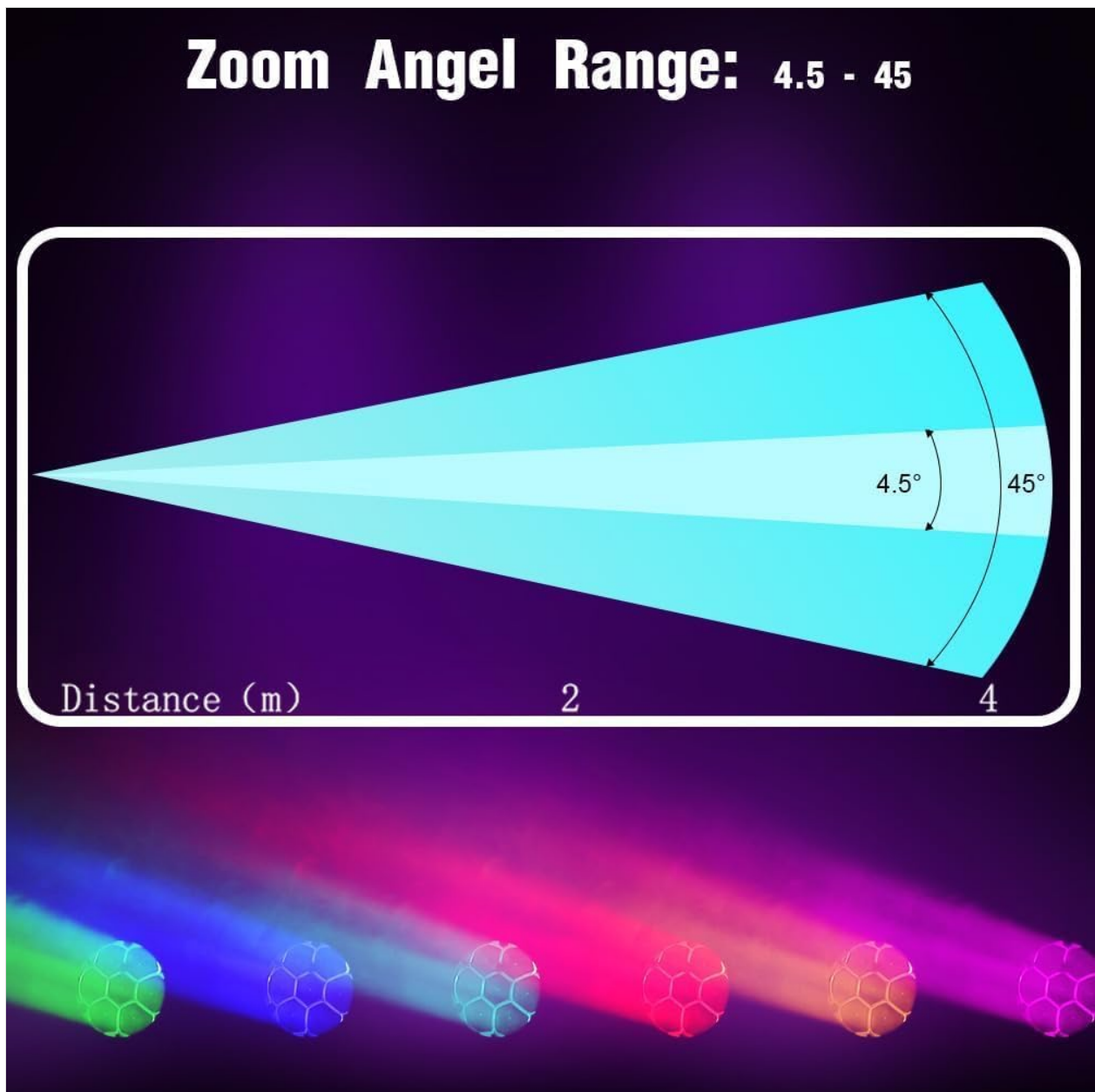


Image 6.3: Zoom Angle Range Diagram.

7. MAINTENANCE

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

- **Cleaning:** Periodically clean the lenses and exterior housing with a soft, lint-free cloth. Do not use abrasive cleaners.
- **Inspection:** Regularly check power cables, DMX cables, and mounting hardware for any signs of wear or damage. Replace damaged components immediately.
- **Ventilation:** Ensure cooling fans and vents are free from dust and debris to maintain proper airflow.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Fixture does not power on	No power supply; Damaged power cable; Blown fuse	Check power connection; Replace power cable; Check and replace fuse if necessary.
No DMX control	Incorrect DMX address; Faulty DMX cable; No DMX terminator; Incorrect DMX mode	Verify DMX address and mode; Check DMX cable connections; Use a DMX terminator on the last fixture.
Fixture overheating	Blocked ventilation; High ambient temperature	Ensure clear airflow around vents; Operate in a cooler environment.
Erratic movement or light output	DMX signal interference; Internal fault	Check DMX connections and cables; Try a different DMX channel; Contact support if issue persists.

9. SPECIFICATIONS

Detailed technical specifications for the Betopper LM0740D Moving Head DJ Light.

Feature	Detail
Brand	Betopper
Model Number	LM0740D
Light Source Type	Light Emitting Diode (LED)
Number of Light Sources	7
Light Source Wattage	40 Watts per LED (Total 280W)
Color	RGBW (Red, Green, Blue, White)
Color Temperature Range	2800K - 8500K
Zoom Angle Range	4.5° - 45°
Pan Movement	540°
Tilt Movement	270°
Control Modes	DMX (23/35/51 CH), Master-Slave, Sound Activated, Auto

Feature	Detail
Material	Aluminum
Product Dimensions	11"L x 13"W x 6"H (27.94 x 33.02 x 15.24 cm)
Item Weight	13.64 pounds (6.19 kg)
Power Source	Corded Electric
UPC	797725867192

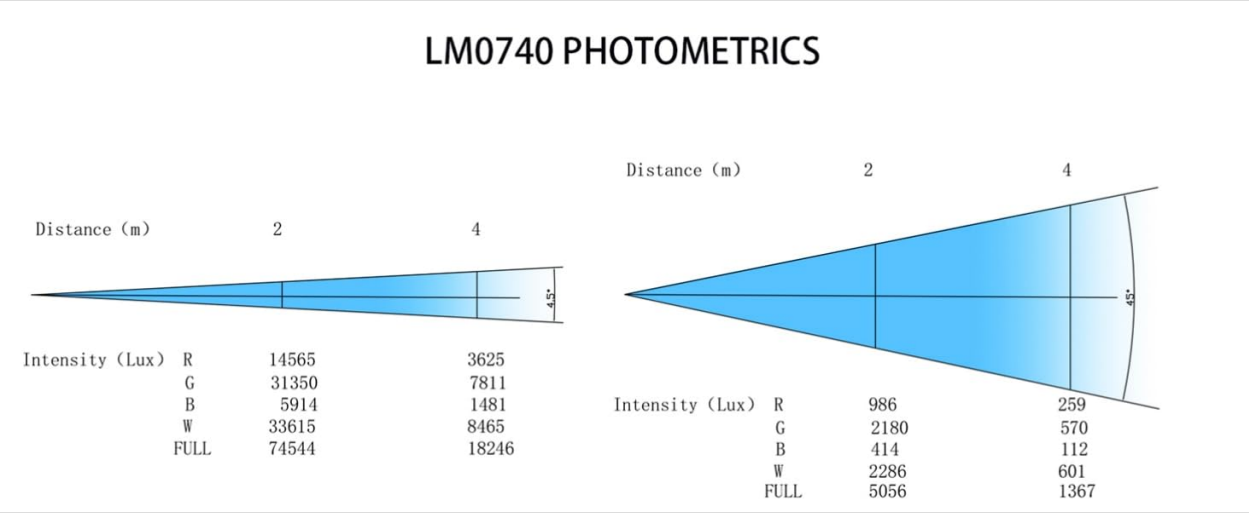


Image 9.1: LM0740D Photometrics.

10. WARRANTY AND SUPPORT

Betopper products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official Betopper website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, please visit the [Betopper Store on Amazon](#).

Related Documents - LM0740D

	<p>BETOPPER LM70SR Mini Moving Head User Manual: Technical Specs, DMX Control, and Operation</p> <p>Official user manual for the BETOPPER LM70SR Mini Moving Head stage light. Details technical parameters, IR remote functions, DMX channel assignments (9-channel and 14-channel modes), and operational notes. Includes troubleshooting and setup guidance.</p>
	<p>BETOPPER LM0740 Mini 7x40W RGBW 4-in-1 Bee Eye LED Moving Head Light User Manual</p> <p>User manual for the BETOPPER LM0740 Mini 7x40W RGBW 4-in-1 Bee Eye LED Moving Head Light, covering safety instructions, technical specifications, control panel operation, menu settings, channel modes, troubleshooting, and warranty information.</p>

