Betopper LM70S

BETOPPER Moving Head RGBW DJ Lights Instruction Manual

Model: LM70S

Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your BETOPPER Moving Head RGBW DJ Lights. Designed for stage, party, live, DJ, bar, and disco lighting, these units offer versatile lighting effects with multiple control modes.

Key features include a highly efficient optical lens for enhanced brightness, freely rotatable X-axis (540°) and Y-axis (180°) for dynamic movement, and RGBW 4-in-1 LEDs for rich color mixing. The built-in cooling fan ensures a long lifespan of 50,000 hours.



Figure 1: BETOPPER Moving Head RGBW DJ Lights (4-pack)

Setup

Included Components

- Moving Head Light Unit(s)

- User Manual
- Installation Screws
- Installation Brackets



Figure 2: Package Contents

Physical Setup and Mounting

The BETOPPER Moving Head Light can be floor-mounted or attached to a truss using the provided installation brackets and screws. Ensure the mounting surface is stable and capable of supporting the weight of the unit(s).



Figure 3: Mounting Design and Dimensions

Connections

Connect the power cable to the unit and a suitable power outlet (100 Volts). For DMX control or master-slave operation, use DMX cables to link multiple units. The control panel features DMX In and Out ports.



Figure 4: Control Panel and Connections

Operating

Control Modes

The BETOPPER Moving Head Light supports four primary control modes: Auto, Sound Activated, DMX, and Master-Slave. These modes can be selected via the control panel on the unit.

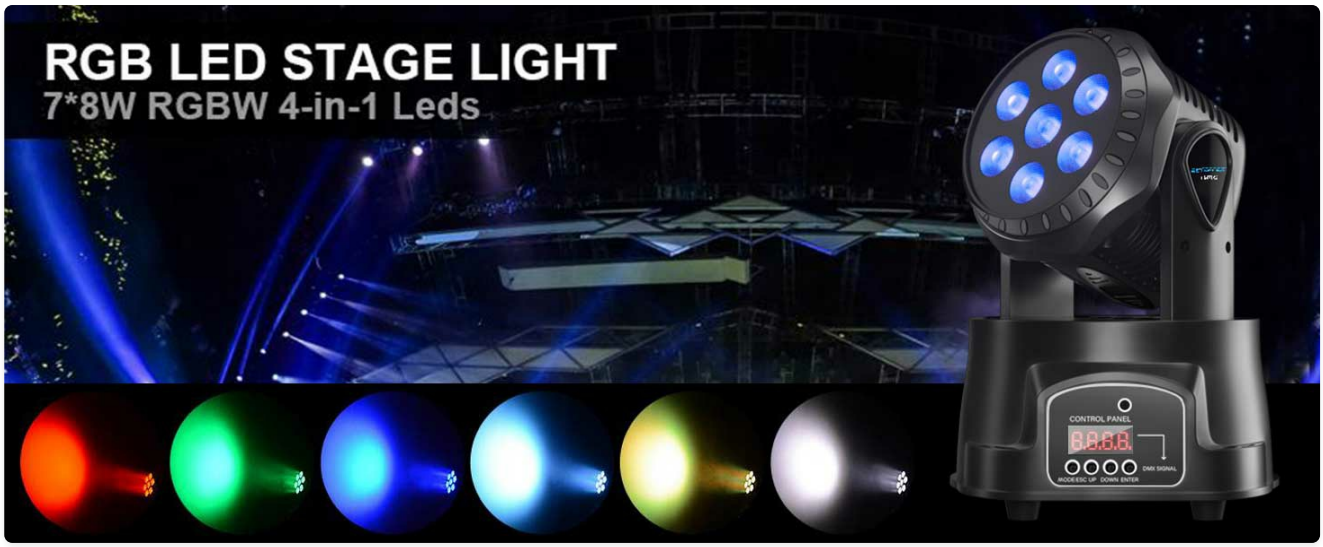


Figure 5: Four Control Modes

DMX Control

For advanced control, connect the lights to a DMX controller. The units support 9/14 DMX channels, allowing precise manipulation of color, dimming, strobe, and movement. Refer to the DMX channel chart in the included user manual for detailed programming.

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Video 1: Overview of the Betopper LM70 Stage Light's features and DMX capabilities.

Movement and Color Effects

The moving head features a 540° X-axis rotation and 180° Y-axis tilt, enabling wide-ranging and dynamic light projection. The RGBW 4-in-1 LEDs provide a spectrum of colors, seamless mixing, and smooth color changes.



Figure 6: Projecting Range (X-axis 540°, Y-axis 180°)



Figure 7: RGBW Color Mixing Capabilities

Maintenance

Cooling and Lifespan

The unit is equipped with a built-in cooling fan to ensure excellent heat dissipation and prevent overheating. This design contributes to a long operational lifespan of approximately 50,000 hours. Keep the fan vents clear of obstructions.

Figure 8: Cooling System and Unit Size

Cleaning

Regularly clean the exterior of the light unit with a soft, dry cloth. Ensure the optical lens is free from dust and smudges to maintain optimal light output. Do not use abrasive cleaners or solvents.

Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Loose power connection; Blown fuse	Check power outlet; Secure power cable; Replace fuse (refer to manual for fuse type)
No DMX signal/Erratic behavior in DMX mode	Incorrect DMX address; Faulty DMX cable; No DMX terminator; Interference	Verify DMX address (d001, etc.); Check/replace DMX cables; Use a DMX terminator on the last unit; Ensure proper grounding
Motor noise / Loud fan	Normal operation for moving head lights; Fan vents obstructed	Ensure adequate ventilation around the unit; This is typical for the product type
Movement is choppy or inconsistent	DMX signal issues; Internal motor calibration needed	Check DMX connections and settings; Refer to manual for calibration steps or contact support

Specifications

Feature	Detail
Brand	Betopper
Model	LM70S
Light Source Type	LED (RGBW 4-in-1)
Number of Light Sources	7
Light Source Wattage	8 Watts per LED
Brightness	5000 lumen
Voltage	100 Volts
Pan (X-axis)	540 Degrees

Feature	Detail
Tilt (Y-axis)	180 Degrees
Beam Angle	36 Degrees
Control Modes	Auto, Sound Activated, DMX, Master-Slave
DMX Channels	9/14
Lifespan	50,000 hours
Product Dimensions	6"L x 6"W x 9"H
Item Weight	7.5 Pounds
Material	Acrylonitrile Butadiene Styrene (ABS)

Warranty and Support

Your BETOPPER Moving Head RGBW DJ Lights come with a standard manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please refer to the contact information provided in your product packaging or visit the official Betopper store online.
Official Brand Store: BetopperDirect on Amazon