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Betopper LS10

BETOPPER Moving Head Light LS10 Instruction Manual

Model: LS10

1. Introduction

Thank you for choosing the BETOPPER Moving Head Light LS10. This professional stage light is designed to provide dynamic and vibrant lighting effects for various occasions, including parties, DJ sets, weddings, and club events. Featuring 8 colors and 8 GOBOs, along with multiple control modes, the LS10 offers versatile functionality and ease of use. This manual provides essential information for safe and effective operation, setup, maintenance, and troubleshooting.

2. Safety Instructions

- Always connect the unit to a grounded power outlet.
- Ensure proper ventilation to prevent overheating. Do not block ventilation openings.
- Avoid direct eye exposure to the light source.
- Do not operate the unit in wet or damp conditions.
- Disconnect from power before cleaning or servicing.
- Only qualified personnel should perform repairs.
- Maintain a minimum distance of 0.2 meters from flammable materials.
- Maximum temperature of the external surface is 120°C.

3. Product Features

- **Professional Stage Light:** Equipped with 8 colors and 8 GOBOs (patterns), including half-color effect and color rotation, suitable for diverse events.
- **Large Rotating Angle and Adjustable Speed:** Features a 15° beam angle and wide pan (540°) and tilt (270°) movement, with adjustable speed and brightness.
- **Multiple Stage Lighting Modes:** Supports Automatic operation, Sound Activated, DMX512, Master-Slave, and Strobe modes.
- **Easy to Carry and Install:** Lightweight and portable design with rubber feet for stable placement. Includes bracket and screws for truss or wall mounting.
- **Versatile Functionality:** Offers various effects such as strobe, color mixing, and pattern projection to enhance atmosphere.

4. Setup

The BETOPPER LS10 is designed for easy setup. Ensure all components are present before beginning installation.

4.1. What's in the Box

- 1 x BETOPPER Moving Head Light LS10
- 2 x Brackets
- 2 x Screws
- 1 x User Manual (this document)

4.2. Physical Setup

The LS10 can be placed on a flat surface, or mounted to a truss or wall using the included brackets and screws. Ensure the mounting surface is stable and can support the weight of the fixture.



Figure 4.1: Front view of the BETOPPER LS10 Moving Head Light.



Figure 4.2: Dimensions and rotation capabilities (X-axis 540°, Y-axis 270°).



Figure 4.3: Rear panel with DMX In/Out, Power In, and cooling fan.

4.3. Power Connection

Connect the provided power cable to the "POWER IN" port on the rear of the unit and then to a suitable grounded power outlet (230 Volts). The unit will power on automatically.

4.4. DMX Connection (Optional)

For DMX control, connect a DMX cable from your DMX controller's output to the "DMX IN" port of the first LS10 unit. To daisy-chain multiple units, connect a DMX cable from the "DMX OUT" port of the first unit to the "DMX IN" port of the next unit, and so on. Ensure all units are set to the correct DMX address and channel mode.

5. Operating Modes

The LS10 offers several operating modes, selectable via the display panel buttons (MENU, UP, DOWN, ENTER).

- **Automatic Mode:** The light will cycle through pre-programmed patterns and colors automatically.
- **Sound Activated Mode:** The light reacts to sound and music, changing patterns and colors in sync with the beat. The built-in microphone detects audio.

- **DMX512 Mode:** For professional control, connect to a DMX controller to precisely manage pan, tilt, color, GOBO, strobe, and other parameters. The LS10 supports 9 or 11 DMX channels.
- **Master-Slave Mode:** Connect multiple LS10 units via DMX cables. Set one unit as "Master" and the others as "Slave". The slave units will mirror the master's operation.
- **Strobe Mode:** Provides a flashing light effect with adjustable speed.

5.1. Light Effects and Patterns

The LS10 features a color wheel with 8 vibrant colors and a GOBO wheel with 8 distinct patterns, allowing for a wide range of visual effects. The light can project solid colors, half-colors, and various GOBO patterns, which can be rotated and combined with different colors.



Figure 5.1: Illustration of available GOBOs and colors.



Figure 5.2: Various projected light patterns and color effects.

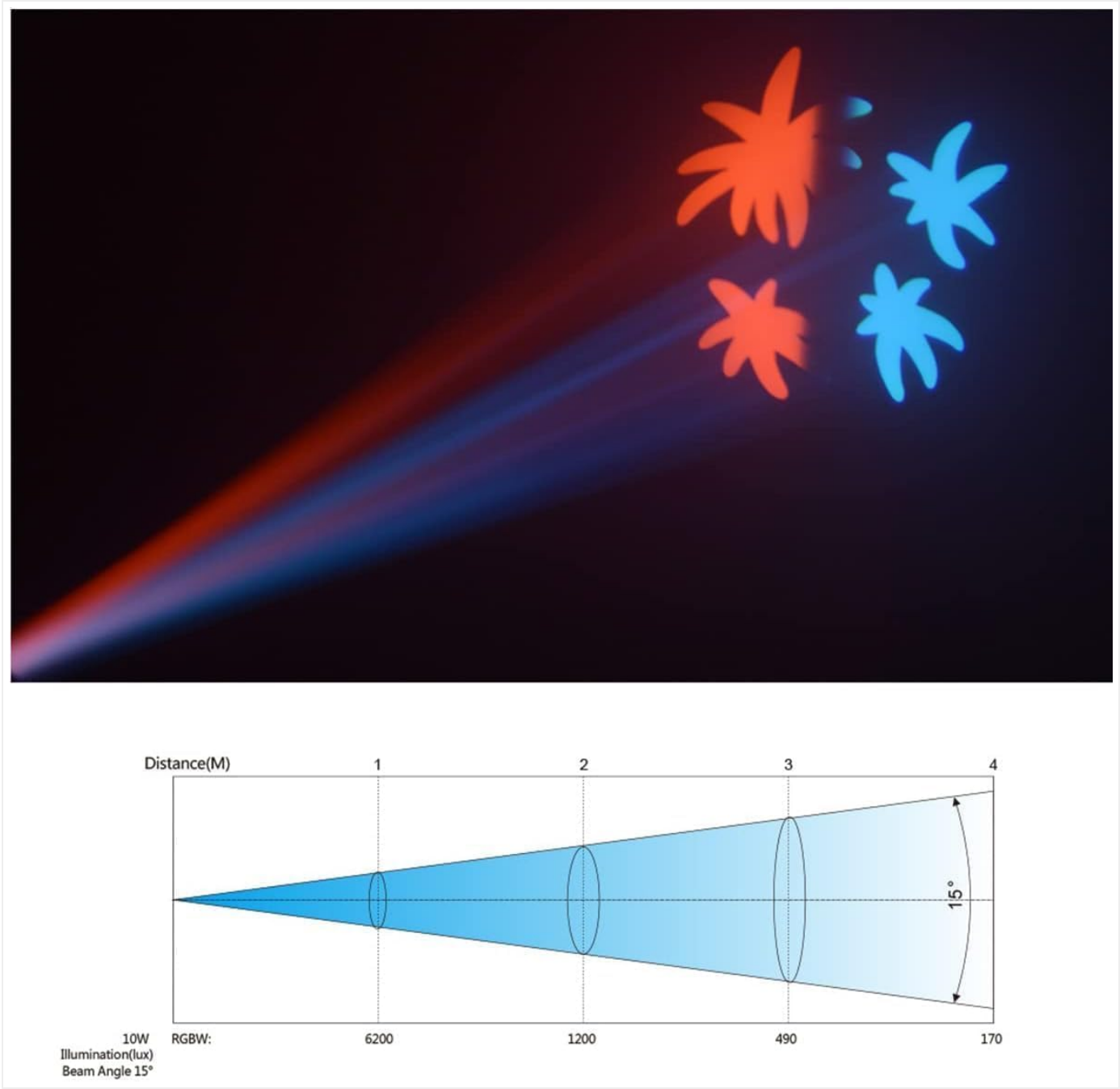


Figure 5.3: Beam angle and projection distance diagram.

5.2. Official Product Videos

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Video 5.1: An overview of the Betopper LS10 Moving Head Spotlight, demonstrating its features and movement capabilities.

[redacted]

Video 5.2: A demonstration of the BETOPPER LS10 Moving Head Light's spot and GOBO effects, showcasing various patterns and colors.

6. Maintenance

- **Cleaning:** Regularly clean the lens and housing with a soft, lint-free cloth. For stubborn dirt, use a mild glass cleaner. Ensure the unit is powered off and cool before cleaning.
- **Ventilation:** Keep ventilation openings clear of dust and debris to ensure proper airflow and prevent overheating.
- **Inspection:** Periodically inspect power cables, DMX cables, and mounting hardware for any signs of wear or damage. Replace damaged components immediately.
- **Storage:** When not in use, store the unit in a dry, dust-free environment, preferably in its original packaging or a protective

case.

7. Troubleshooting

Problem	Possible Cause	Solution
No power	Power cable disconnected or faulty outlet.	Check power connections. Test outlet with another device.
Light not responding to DMX	Incorrect DMX address, faulty cable, or incorrect mode.	Verify DMX address and channel mode. Check DMX cable connections. Ensure unit is in DMX mode.
No sound activation	Unit not in Sound Activated mode, or microphone sensitivity too low.	Switch to Sound Activated mode. Increase microphone sensitivity if adjustable. Ensure sufficient audio input.
Light movement erratic	Interference or mechanical obstruction.	Ensure no physical obstructions. Check DMX signal for interference.

8. Specifications

Attribute	Detail
Brand	Betopper
Model Number	LS10
Color	Black
Material	Acrylonitrile Butadiene Styrene (ABS)
Light Source Type	LED
Power Source	Corded Electric
Voltage	230 Volts
Brightness	3500 lumens
Light Source Wattage	35 Watts
Mounting Type	Floor Mount, Wall Mount, Pole Mount
Beam Angle	15 Degrees
Item Weight	2.77 Kilograms (6.09 pounds)
Product Dimensions	6"L x 5"W x 11"H
UPC	761560008799

9. Warranty and Support

For warranty information and technical support, please refer to the official Betopper website or contact their customer service directly. Keep your purchase receipt as proof of purchase.
Visit the official Betopper store for more products and support:Betopper Store

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