SHEHDS 80W Moving Head Light

SHEHDS 80W LED Moving Head Light User Manual

Model: 80W Moving Head Light

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your SHEHDS 80W LED Moving Head Light. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INFORMATION

- Always connect the fixture to a grounded circuit.
- Ensure the power supply voltage matches the specified voltage on the unit.
- Do not operate the fixture if the power cord is damaged.
- Avoid direct eye exposure to the light source.
- Maintain adequate ventilation around the fixture to prevent overheating.
- Disconnect power before any maintenance or cleaning.
- This product is for indoor use only.

3. PRODUCT OVERVIEW

The SHEHDS 80W LED Moving Head Light is a versatile stage lighting fixture designed for various events. It features an 80W LED light source, 8 rotating colors, 8 rotating gobos, a 3-facet rotatable prism, and electronic linear focus. It supports multiple control modes including DMX512, Master/Slave, Sound Activated, and Auto Running.

Figure 3.1: Front view of the SHEHDS 80W LED Moving Head Light.

3.1 Components and Controls

Figure 3.2: Detailed view of the control panel, DMX ports, and power connections.

- **Display Screen:** Shows current settings and DMX address.

- **Function Keys (MENU, UP, DOWN, ENTER):** Used for navigating menus and adjusting settings.

- **DMX IN/OUT:** For connecting to a DMX controller or other DMX fixtures.

- **Power Input:** For connecting the power cable.

- **Fuse:** Overcurrent protection.

- **3-Facet Rotatable Prism:** Creates dynamic multi-beam effects.

4. SETUP

4.1 Mounting

The fixture can be mounted on a truss, ceiling, or placed on a flat surface. Ensure the mounting location is stable and can support the weight of the fixture. Use appropriate clamps and safety cables when suspending

the unit.

4.2 Power Connection

Connect the provided power cable to the power input on the rear of the fixture and then to a suitable power outlet (AC 100-240V, 50/60Hz).

4.3 DMX Connection

To control the fixture via DMX, 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. Set a unique DMX address for each fixture using the control panel.

5. OPERATING MODES

The SHEHDS 80W LED Moving Head Light offers several operating modes:

- **DMX512 Control:** Provides precise control over all functions using a DMX controller. The fixture supports 10 or 13 DMX channels. Refer to the DMX chart (not included in this manual, typically provided separately) for channel assignments.
- **Master/Slave Mode:** Connect multiple fixtures via DMX cables. Set one unit as the 'Master' and others as 'Slave' units. The slave units will mimic the master's movements and effects.
- **Sound Activated Mode:** The fixture reacts to ambient sound, creating dynamic light shows synchronized with music.
- **Auto Running Mode:** The fixture cycles through pre-programmed light shows automatically.
- **Color Jumping & Stand-alone Strobe:** Specific modes for rapid color changes and strobe effects without external control.

5.1 Features in Operation

- **Pan & Tilt:** 540° Pan and 270° Tilt movement with automated position correction.
- **Colors:** 8 rotating colors (7 colors + open white).
- **Gobos:** 8 rotating gobos (7 patterns + open, including 2 glass patterns).
- **Prism:** 3-facet rotatable prism for expanded beam effects.
- **Focus:** Electronic linear focusing for sharp projections.
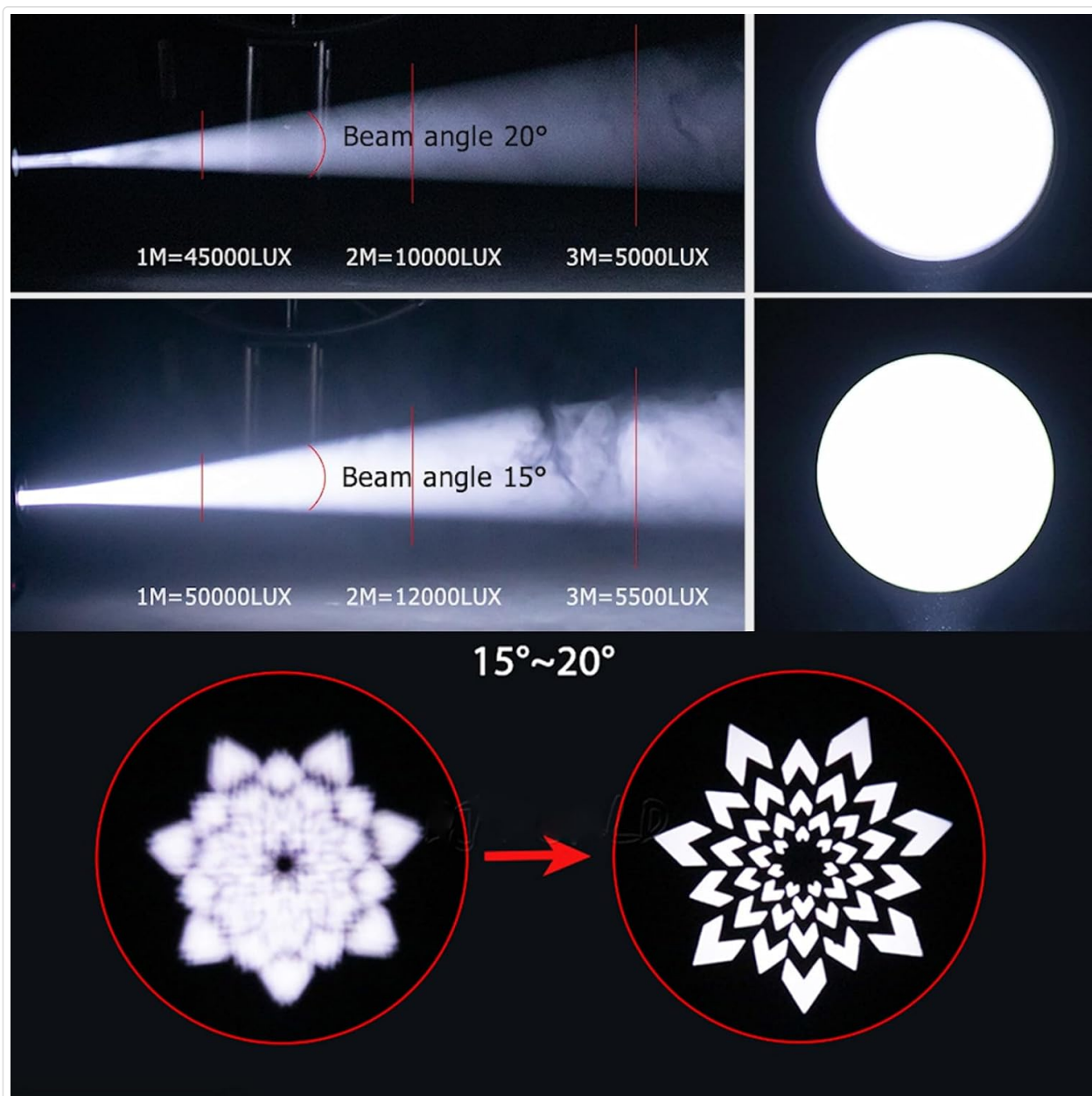- **Beam Angle:** Adjustable from 15 to 20 degrees.

Figure 5.1: Illustration of beam angles (15° and 20°) and various gobo patterns.

Figure 5.2: Various lighting effects demonstrating color and gobo combinations.

6. MAINTENANCE

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

- **Cleaning:** Periodically clean the lenses and exterior with a soft, lint-free cloth. Do not use abrasive cleaners.
- **Cooling System:** The built-in cooling fan efficiently dissipates heat. Ensure air vents are clear of obstructions.
- **LED Lifespan:** The high-quality LED light source has an estimated lifespan of up to 60,000 hours under normal operating conditions.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No power	Power cable disconnected, no power from outlet, blown fuse.	Check power connections, test outlet, replace fuse if necessary.
No light output	Dimmer at 0%, light source failure, internal error.	Check DMX dimmer channel, restart fixture. If problem persists, contact support.
No DMX control	Incorrect DMX address, faulty DMX cable, DMX controller issue.	Verify DMX address, check DMX cable connections, test with another DMX controller.
Fixture not moving	Pan/Tilt locked, DMX control issue, internal motor fault.	Ensure no physical obstructions, check DMX settings.

Note: After setting the DMX address, pressing the OK key will save the address, which will be retained even after powering off and restarting the unit.

8. SPECIFICATIONS

Figure 8.1: Product dimensions and weight.

Feature	Detail
Light Source	80W LED
Voltage	AC 100-240V, 50/60Hz
Power Consumption	80 Watts
Control Modes	DMX512 (10/13 channels), Master/Slave, Sound Activated, Auto Running
Pan/Tilt	540° Pan, 270° Tilt (with auto correction)
Colors	8 rotating colors (7 colors + open)
Gobos	8 rotating gobos (7 patterns + open, 2 glass)
Prism	3-Facet Rotatable Prism
Focus	Electronic Linear Focus
Beam Angle	15-20 Degrees
Material	Aluminum, Plastic
Product Dimensions	8.27"L x 6.5"W x 10.63"H
Item Weight	9.83 pounds

9. WARRANTY AND SUPPORT

Your SHEHDS 80W LED Moving Head Light comes with a **1-Year Warranty**. Additionally, a **1-Month Replacement** policy is offered for initial defects.

For technical assistance, troubleshooting, or warranty claims, please contact SHEHDS customer service. Refer to your purchase documentation for contact details.

Related Documents - 80W Moving Head Light

[SHEHDS LED Spot 80W Moving Head Light User Manual](#)

User's manual for the SHEHDS LED Spot 80W moving head lighting fixture with 3-face prism. Details specifications, DMX channel control (10ch and 13ch), dimensions, and maintenance instructions.

[SHEHDS 8x500mW Red Moving Head Laser Light + 8x9W RGB Beam User Manual](#)

User manual for the SHEHDS 8x500mW Red Moving Head Laser Light + 8x9W RGB Beam, detailing maintenance, product introduction, display control instructions, and DMX channel summaries for professional lighting applications.

[SHEHDS 180W Beam Moving Head Light User Manual](#)

Comprehensive user manual for the SHEHDS 180W Beam Moving Head Light, covering maintenance, operation, DMX connection, technical specifications, and fault handling.
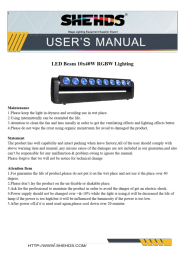
[SHEHDS LED Beam+Wash 19x15W RGBW Zoom Lighting User's Manual](#)

User's manual for the SHEHDS LED Beam+Wash 19x15W RGBW Zoom Lighting fixture, detailing maintenance, safety, product specifications, and DMX channel configurations for 24-channel and 16-channel modes.

[SHEHDS LED Beam+Wash Big Bees Eyes 19x20W RGBW Zoom Lighting User Manual](#)

This user manual provides comprehensive guidance for the SHEHDS LED Beam+Wash Big Bees Eyes 19x20W RGBW Zoom Lighting fixture, covering installation, operation, maintenance, DMX control, technical specifications, and troubleshooting.

[SHEHDS LED Beam 10x40W RGBW Lighting User's Manual](#)

Comprehensive user manual for the SHEHDS LED Beam 10x40W RGBW lighting fixture, detailing maintenance, operational modes, DMX channel configurations, and product specifications. Includes information on 5, 7, 14, 18, 42, and 54 channel modes.