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› SHEHDS JMS WEBB Moving Head Light LED 7x20W User Manual

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Model: Moving Head Lights LED 7X20W

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your SHEHDS JMS WEBB Moving Head Light LED 7x20W. This professional stage lighting fixture features RGBW 4-in-1 LEDs, offering versatile beam, wash, and zoom effects. It is designed for various applications, including stage performances, events, and parties. Please read this manual thoroughly before installation and use.



Figure 1: SHEHDS JMS WEBB Moving Head Light LED 7x20W. This image displays the front view of the moving head light, highlighting its multi-color LED array and compact base.

2. SAFETY INSTRUCTIONS

- Always connect the fixture to a grounded circuit to avoid the risk of electrocution.
- Ensure the power voltage matches the rated voltage of the fixture.
- 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.
- Do not open the housing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Mount the fixture securely using appropriate clamps and safety cables.

3. SETUP

3.1 Unpacking and Inspection

Carefully unpack the fixture and inspect it for any damage during transit. Retain the packaging materials for future transport or storage.

3.2 Package Contents



Figure 2: Included accessories. This image shows the moving head light alongside its accessories: a 1.2m power cable, a 1m DMX512 cable, a user manual, and a quick lock bracket.

- SHEHDS JMS WEBB Moving Head Light LED 7x20W
- 1.2m Power Cable (x1)
- 1m DMX512 Cable (x1)
- User Manual (x1)
- Quick Lock Bracket (x1)

3.3 Mounting

The fixture can be floor-mounted or truss-mounted using the provided quick lock bracket. Ensure the mounting surface or truss can support the weight of the fixture. Always use a safety cable as a secondary attachment.

3.4 Power Connection

Connect the provided power cable to the power input on the fixture and then to a suitable power outlet. Verify the voltage requirements before connecting.

3.5 DMX Connection (Optional)

For DMX control, connect a DMX cable from your DMX controller to the DMX IN port of the fixture. For multiple fixtures, daisy-chain them by connecting the DMX OUT of the first fixture to the DMX IN of the next.

4. OPERATING INSTRUCTIONS

4.1 Control Panel

The fixture features an LCD display and control buttons for menu navigation and setting adjustments. Refer to the on-screen menu for specific parameter settings.

4.2 DMX Addressing

Set the DMX address for each fixture using the control panel. Each fixture in a DMX chain requires a unique starting address. The DMX address setting is saved after a power cycle once confirmed.

4.3 Movement Control

The 3-axis motorized head allows for precise pan and tilt movements. The pan range is 540 degrees, and the tilt range is 270 degrees. Adjustable speed motor modules provide smooth and controlled motion.

MOVEMENT

Take full care of every corner of the stage

Adjustable speed **Motor Module**

Tilt: 270 °

Pan: 540 °

Pan tilt fine tuning channel

Linear regulation speed channel



Figure 3: Movement capabilities. This diagram illustrates the pan (540°) and tilt (270°) ranges of the moving head light, indicating adjustable speed motor modules for precise control.

4.4 Color Mixing (RGBW 4-in-1)

The fixture utilizes RGBW (Red, Green, Blue, White) 4-in-1 LEDs to produce a wide spectrum of colors. Individual color intensity can be adjusted via DMX or internal programs.

RGBW MIXED COLOR



Figure 4: RGBW mixed color output. This image demonstrates the individual red, green, blue, and white beams, as well as their mixed color capabilities.



Figure 5: RGBW 4-in-1 capabilities. This graphic highlights the Beam, Wash, and Zoom effects achievable with the 7x20W RGBW LEDs, emphasizing the 'Big Bee Eyes' design.

4.5 Beam, Wash, and Zoom Functions

The fixture offers versatile lighting effects:

- **Beam Effect:** Creates sharp, focused light beams.
- **Wash Effect:** Produces a softer, wider spread of light for area illumination.
- **Zoom Function:** Allows adjustment of the beam angle from 4 to 30 degrees for both beam and wash effects. The wide beam angle is 70 degrees.

DYNAMIC EFFECTS



Figure 6: Beam angle demonstration. This image illustrates the adjustable beam angle from a minimum of 4 degrees to a maximum of 30 degrees, showcasing both beam and wash effects.



Figure 7: Various lighting effects. A collage of images demonstrating different beam patterns, wash effects, and color combinations achievable with the moving head light.

4.6 Dynamic Effects

The fixture supports various dynamic effects, including strobe, color macros, and pre-programmed sequences, which can be controlled via DMX.



Figure 8: Dynamic effects. This image displays various dynamic lighting patterns and color changes, showcasing the versatility of the moving head light's output.

4.7 Official Product Video



Video 1: SHEHDS Moving Head Lights LED 7X20W. This official product video from SHEHDS Lighting demonstrates the various features and lighting effects of the moving head light in action.

5. MAINTENANCE

5.1 Cleaning

Regularly clean the exterior of the fixture with a soft, dry cloth. For optical components, use a lint-free cloth and a specialized lens cleaning solution. Ensure the fixture is powered off and disconnected before cleaning.

5.2 Fan and Ventilation

Periodically check the cooling fans and ventilation openings for dust accumulation. Clean them using compressed air to ensure proper airflow and prevent overheating.

5.3 Cable Inspection

Inspect all power and DMX cables for any signs of wear, cuts, or damage. Replace damaged cables immediately to ensure safe operation.

6. TROUBLESHOOTING

- **No Power:** Check the power cable connection and the power outlet. Ensure the fixture's power switch is on.
- **No Light Output:** Verify power connection. Check DMX signal if in DMX mode. Ensure internal programs are active

if not using DMX.

- **No Movement:** Check DMX signal and addressing. Ensure pan/tilt limits are not set to restrict movement.
- **Incorrect Colors:** Verify DMX channel assignments for RGBW. Check for proper DMX signal integrity.
- **Fixture Overheating:** Ensure adequate ventilation. Clean fans and vents if dusty. Operate within specified ambient temperature ranges.
- **DMX Control Issues:** Check DMX cable connections. Verify DMX addressing. Ensure DMX controller is functioning correctly. Try a different DMX cable.

7. SPECIFICATIONS

Feature	Specification
Model Number	Moving Head Lights LED 7X20W
Light Source Type	Light Emitting Diode (LED)
Number of Light Sources	7
Light Source Wattage	20 watts per LED
Total Wattage	140 watts
Light Output Maximum	11900 lumens
Color	Multicolor (RGBW 4-in-1)
Beam Angle	70 degrees (Zoom: 4-30 degrees)
Pan Movement	540 degrees
Tilt Movement	270 degrees
Control Protocol	DMX512
Power Source	Corded Electric
Material	Plastic
Mounting Type	Floor Mount

8. WARRANTY AND SUPPORT

Specific warranty information is not provided within this manual. For warranty details, technical support, or service inquiries, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.

