

MOKA SFX EPR 295W

MOKA SFX 295W Beam Moving Head Light (Model EPR 295W) Instruction Manual

Model: EPR 295W | Brand: MOKA SFX

1. SAFETY INFORMATION

Important: Read all safety instructions before installation or operation. Keep this manual for future reference.

- This device is for professional use only.
- Ensure proper grounding to prevent electric shock.
- Do not operate the device if the power cord is damaged.
- Avoid direct eye exposure to the light source.
- Maintain adequate ventilation around the fixture to prevent overheating.
- Installation and maintenance should be performed by qualified personnel.
- Always disconnect from power before cleaning or servicing.
- Do not operate in wet or damp conditions.
- Securely mount the fixture to prevent accidental falls.

2. PRODUCT OVERVIEW

The MOKA SFX 295W Beam Moving Head Light is a professional stage lighting fixture designed for various events, including concerts, theaters, banquets, and nightclubs. It features a powerful 295W Xenon light source, dynamic movement, and a range of effects to create captivating visual displays.

Key Features:

- **Impressive Luminosity:** 295W Xenon lamp with 79500lm luminous flux and up to 8500K color temperature.
- **Dynamic Rotation Control:** Bidirectional rotation with adjustable speed settings for versatile movement effects.
- **Customizable Fogging Effects:** Integrated fogging function with adjustable speed to add depth and atmosphere.
- **Optimized Optical System:** Delivers precise beam projections with a narrow beam angle range of 0 to 4 degrees.
- **Enhanced Safety Features:** Photoelectric reset system for automatic reset in case of an accident.
- **Color Wheel:** 14 colors for rich color transformation.
- **Gobo Wheel:** 13 gobos for diverse pattern projection effects.
- **Prism Effects:** Features 8+16 prism and 8+16+24 prism options for creating fascinating light effects.

- **Mechanical Dimming:** 0-100% mechanical dimming capability.
- **Control:** DMX512 compatible with preset effects and real-time adjustments.

Components:

The moving head light consists of a robust housing, a high-precision optic lens, an intuitive LCD display for control, and efficient heat dissipation mechanisms.



Image Description: An illustration of the MOKA SFX 295W Beam Moving Head Light highlighting its key components: HD Coated Lens, Efficient Cooling system, Powerful Motion servomotors, and Control & Programming interface with DMX512 compatibility.



Image Description: A diagram showing the MOKA SFX 295W Beam Moving Head Light from multiple angles, labeling its main parts: 1. Indicator, 2. LCD Display, 3. Menu buttons, 4. DMX In, 5. DMX Out, 6. Fuse, 7. Switch, 8. Power input. It also illustrates the X-Axis (540°) and Y-Axis (270°) movement capabilities.

3. WHAT'S IN THE BOX (PACKING LIST)

Verify that all items are present and undamaged upon unpacking.

PACKING LIST

Reinforced design ensures that the product arrives safely and is protected from damage during transportation



• Power Cable *1



• DMX Cable *1



• Bracket *2



• Manual *1

• Moving Head Light *1

Image Description: An image displaying the contents of the MOKA SFX 295W Beam Moving Head Light package, including: 1 Moving Head Light, 1 Power Cable, 1 DMX Cable, 2 Brackets, and 1 User Manual.

- MOKA SFX 295W Beam Moving Head Light x 1
- Power Cord x 1
- DMX Cable x 1
- Mounting Brackets x 2
- User Manual x 1

4. SETUP INSTRUCTIONS

4.1 Mounting the Fixture

The moving head light can be floor-mounted or truss-mounted using the included brackets. Ensure the mounting surface or truss is capable of supporting the fixture's weight (approximately 33 pounds).

1. Attach the two mounting brackets securely to the base of the fixture using appropriate hardware.
2. For truss mounting, use suitable clamps (not included) to attach the brackets to the truss. Ensure safety cables are used as a secondary attachment.

3. For floor mounting, place the fixture on a stable, level surface.

4.2 Power Connection

1. Connect the provided power cord to the power input (8) on the fixture.
2. Plug the other end of the power cord into a grounded 110V AC power outlet.
3. Ensure the power switch (7) is in the OFF position before connecting power.

4.3 DMX Connection (Optional)

For external control, connect the fixture to a DMX controller.

1. Connect a DMX cable from the DMX OUT of your controller to the DMX IN (4) of the first fixture.
2. For multiple fixtures, daisy-chain them by connecting the DMX OUT (5) of the first fixture to the DMX IN of the next, and so on.
3. It is recommended to use a DMX terminator on the last fixture in the chain for stable signal transmission.

5. OPERATING INSTRUCTIONS

5.1 Initial Power On

1. After connecting power, switch the power switch (7) to the ON position.
2. The fixture will perform a self-test and reset its pan and tilt movements.
3. The LCD display (2) will show the current operating mode or DMX address.

5.2 Menu Navigation

Use the menu buttons (3) on the LCD display to navigate through settings and select operating modes.

- **MENU:** Enters the main menu or goes back to the previous level.
- **UP/DOWN:** Navigates through menu options or adjusts values.
- **ENTER:** Confirms a selection or enters a submenu.

5.3 Operating Modes

The fixture supports several operating modes:

- **DMX Mode:** Allows full control over all functions via an external DMX controller. Set the DMX address using the menu.
- **Sound Active Mode:** The fixture reacts to sound and music, creating dynamic light shows.
- **Auto Mode:** Pre-programmed light shows run automatically.
- **Master/Slave Mode:** Link multiple fixtures where one acts as the master, controlling the others.

5.4 Controlling Effects

The MOKA SFX 295W offers a variety of effects:

- **Colors:** Select from 14 distinct colors using the color wheel.
- **Gobos:** Project various patterns using the 13 gobos.
- **Prisms:** Engage the 8+16 or 8+16+24 prisms to multiply the beam for wider coverage and intricate patterns.
- **Dimming:** Adjust the light intensity from 0% to 100% using mechanical dimming.
- **Fogging:** Activate the fogging function and adjust its speed to enhance beam visibility and atmosphere.
- **Movement:** Control Pan (X-axis up to 540°) and Tilt (Y-axis up to 270°) movements and speed.

■ 14 colors

rich color transformation



■ 13 gobos

diverse pattern projection effects



■ 8+16 prism / 8+16+24 prism

create a fascinating light effects



Image Description: An image illustrating the various effects available with the MOKA SFX 295W Beam Moving Head Light, including a color wheel with 14 colors, a gobo wheel with 13 patterns, and examples of 8+16 prism and 8+16+24 prism effects creating multiple light beams.

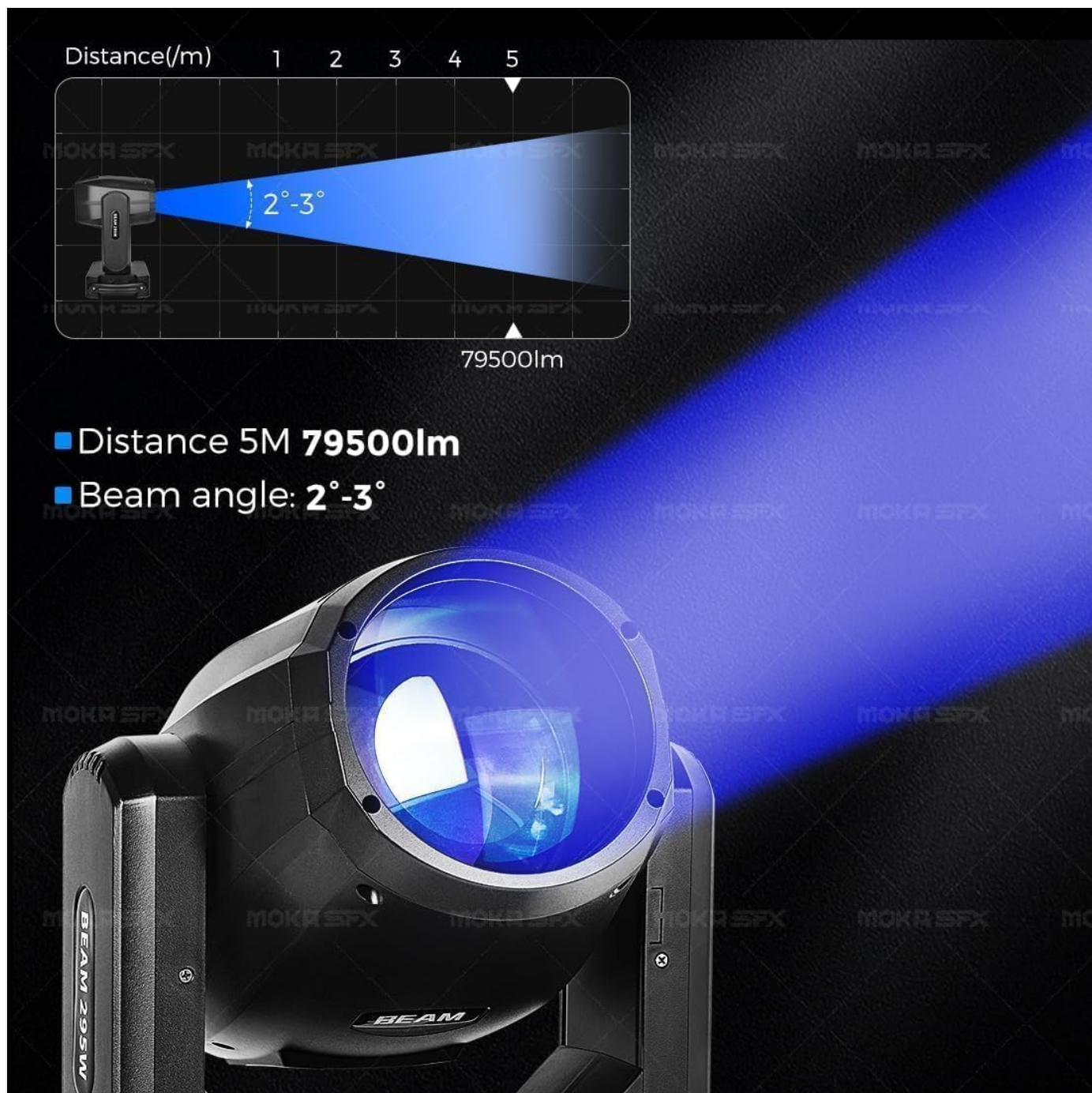


Image Description: A diagram showing the beam angle ($2^{\circ}-3^{\circ}$) and light output (79500lm at 5 meters) of the MOKA SFX 295W Beam Moving Head Light, demonstrating its focused and powerful beam.



Image Description: An image demonstrating the 0-100% mechanical dimming capability of the MOKA SFX 295W Beam Moving Head Light, showing varying light intensities from off to full brightness.

5.5 Video Demonstration of Light Effects

Observe the various color and prism effects of the MOKA SFX 295W Beam Moving Head Light in action.

Your browser does not support the video tag.

Video Description: This video demonstrates the MOKA SFX 295W Beam Moving Head Light's capabilities, showcasing various beam colors (red, green, yellow, blue, purple, white) and prism effects (8+16 and 8+16+24 prisms) in a dark room, highlighting the light's intensity and pattern versatility.

6. 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 inspect power cables, DMX cables, and mounting hardware for any signs of wear or damage.
- **Ventilation:** Ensure ventilation openings are clear of dust and debris to maintain efficient cooling.
- **Lamp Replacement:** The Xenon lamp has a life span of approximately 2200 hours. Lamp replacement should be performed by a

qualified technician.

7. TROUBLESHOOTING

| 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 (6). |
| No DMX control. | Incorrect DMX address; faulty DMX cable; no DMX signal. | Verify DMX address setting; check DMX cable connections; ensure DMX controller is sending a signal. |
| Fixture not moving or responding. | Fixture in incorrect mode; motor error; DMX signal issue. | Check operating mode (DMX, Auto, Sound Active); power cycle the fixture; check DMX connection. |
| Light output is dim or inconsistent. | Lamp nearing end of life; dirty lens; dimming channel set low. | Consider lamp replacement; clean lenses; check DMX dimming channel. |

8. SPECIFICATIONS

| Feature | Detail |
|--------------------------------|--|
| Model Number | EPR 295W |
| Light Source Type | Xenon |
| Light Source Wattage | 295 Watts |
| Brightness | 79500 Lumens |
| Color Temperature | Up to 8500K |
| Beam Angle | 0 to 4 degrees |
| Colors | 14 Colors |
| Gobos | 13 Gobos |
| Prisms | 8+16, 8+16+24 Prisms |
| Dimming | 0-100% Mechanical |
| Pan Movement | 540° |
| Tilt Movement | 270° |
| Control Modes | DMX512, Sound Active, Auto, Master/Slave |
| Voltage | 110 Volts |
| Amperage | 4 Amps |
| Product Dimensions (L x W x H) | 14.6" x 11.8" x 18.9" |
| Item Weight | 33 pounds |
| Material | Acrylonitrile Butadiene Styrene (ABS) |

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MOKA SFX website or contact their customer service directly. The product includes a user manual and power cord. Specific warranty duration details are not provided in this document.

Manufacturer: MOKA SFX

Contact: Refer to the MOKA SFX official website for contact details.