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Elation Professional 1500IP-II

Elation Professional Magmatic Magma Fog 1500IP-II Fog Machine User Manual

Model: 1500IP-II | Brand: Elation Professional

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your Elation Professional Magmatic Magma Fog 1500IP-II Fog Machine. Please read this manual thoroughly before operating the device to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

The Magma Fog 1500IP-II is a high-performance, 1500W water-based fog machine designed for professional applications. It features an IP67 rating, making it suitable for outdoor use, and offers a maximum output of 60,000 cubic feet per minute (CFM). Control options include an onboard LCD touchscreen and DMX-512/RDM.



Figure 1.1: Front-side view of the Magmatic Magma Fog 1500IP-II Fog Machine, showcasing its robust design and integrated fluid tank.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of electrical shock, fire, or personal injury.

- **Electrical Safety:** Ensure the unit is connected to a grounded power outlet with the correct voltage (120V, 60Hz). Disconnect power before performing any maintenance or cleaning.
- **Burn Hazard:** The front nozzle and surrounding areas become extremely hot during operation. **WARNING! BURN HAZARD! THE FRONT NOZZLE REACHES HIGH TEMPERATURES. DO NOT TOUCH NOZZLE AFTER POWERING OFF.** Allow sufficient cooling time (at least 30 minutes) after use.
- **Fluid Safety:** Use only approved water-based fog fluid. Do not ingest fog fluid. In case of contact with skin or eyes, rinse thoroughly with water. Keep out of reach of children.
- **Ventilation:** Ensure adequate ventilation around the machine. Do not block air vents.
- **Placement:** Do not tilt the machine more than 30 degrees while in use. Place the machine on a stable, level surface. Keep flammable materials away from the unit.
- **Outdoor Use:** The unit is IP67 rated for outdoor use, but ensure all connections are properly sealed and protected from direct water spray into openings.



Figure 2.1: Front view highlighting the burn hazard warning label near the fog output nozzle. Always observe this warning.

3. PRODUCT OVERVIEW

The Magma Fog 1500IP-II is engineered for reliability and performance. Key components include:

- **Fog Output Nozzle:** Located at the front, where fog is emitted.
- **Fluid Tank:** A 5-liter (1.32 gallon) removable tank for fog fluid.
- **Control Panel:** Onboard LCD touchscreen for direct control and settings adjustment.

- **Power Input:** IP65 locking power connector.
- **DMX In/Out:** IP65 locking 5-pin XLR connectors for DMX-512 and RDM control.
- **Remote Input:** For optional wired or wireless remote control.
- **Carry Handles:** Two heavy-duty handles for transport.
- **Hanging Bracket:** For truss mounting applications.



Figure 3.1: Rear view of the unit, displaying the LCD touchscreen control panel, power input, DMX connections, and remote input.

4. SETUP

4.1 Unpacking

1. Carefully remove the fog machine from its packaging.
2. Inspect the unit for any signs of damage during shipping. Contact your dealer immediately if damage is found.
3. Retain the original packaging for future transport or storage.

4.2 Fluid Tank Installation and Filling

1. Locate the fluid tank compartment on the top of the unit.
2. Remove the empty fluid tank.
3. Fill the tank with **Magmatic brand water-based fog fluid only**. Using other fluid types may damage the unit and void the warranty.
4. Securely replace the fluid tank, ensuring the fluid hose is properly submerged and connected.

4.3 Power Connection

1. Connect the supplied IP65 locking power cable to the power input on the rear of the unit.
2. Connect the other end of the power cable to a suitable grounded electrical outlet (120V, 60Hz).

4.4 DMX Connection (Optional)

1. For DMX control, connect a 5-pin DMX cable from your DMX controller to the DMX IN port on the fog machine.
2. 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.
3. Ensure all DMX cables are IP65 rated for outdoor use if applicable.

4.5 Mounting

The unit includes a hanging bracket for truss mounting. Ensure the mounting surface or truss system can safely support the weight of the unit (74.3 lbs / 33.7 kg) and any accessories. Use appropriate clamps and safety cables (not included) for secure installation.

5. OPERATING INSTRUCTIONS

5.1 Powering On and Warm-up

1. After connecting power, the unit will begin its initial warm-up sequence.
2. The thermally protected heat exchanger requires approximately 14 minutes to reach optimal operating temperature.
3. The LCD touchscreen will display the warm-up status. The unit is ready for operation once the status indicates 'Ready'.

5.2 Onboard LCD Touchscreen Control

The intuitive LCD touchscreen allows direct control over various functions:

- **Manual Fog Output:** Activate fog output manually.
- **Timer Settings:** Program timed fog bursts and intervals.
- **Volume Control:** Adjust the fog output intensity.
- **DMX Address:** Set the DMX start address for remote control.
- **System Information:** View operational data and status.

5.3 DMX-512 and RDM Control

The Magma Fog 1500IP-II supports DMX-512 and RDM (Remote Device Management) for integration into professional lighting and effects systems. Refer to the DMX chart in the appendix (if provided separately) for specific channel assignments and control values. RDM allows for remote configuration and monitoring of the device.

5.4 Optional Remote Control

The unit is compatible with optional wired and wireless remote controls (sold separately). Connect the remote to the 'REMOTE IN' port on the rear of the unit. Consult the remote control's manual for specific operating instructions.

6. MAINTENANCE

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

6.1 Cleaning

- **Exterior:** Wipe the exterior casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Nozzle:** Periodically check the fog nozzle for any blockages. If necessary, gently clean with a small brush after the unit has completely cooled.
- **Fluid System:** It is recommended to run a cleaning solution (specifically designed for fog machines) through the system every 200 hours of operation or before long periods of storage to prevent clogs.

6.2 Fluid Handling and Storage

- Always store fog fluid in a cool, dark place, away from direct sunlight and extreme temperatures.
- Ensure the fluid tank is securely capped when not in use.
- If storing the machine for an extended period (more than 30 days), empty the fluid tank and run a cleaning solution through the system.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. If a problem persists, contact qualified service personnel.

Problem	Possible Cause	Solution
No fog output	No power; insufficient warm-up; empty fluid tank; clogged nozzle/pump	Check power connection; wait for 'Ready' status; refill fluid tank; clean nozzle/run cleaning solution.
Weak fog output	Low fluid level; partial clog; incorrect fluid type; low operating temperature	Refill fluid; run cleaning solution; ensure correct fluid; allow full warm-up.
DMX control not working	Incorrect DMX address; faulty DMX cable; DMX controller issue	Verify DMX address on unit and controller; test DMX cable; check DMX controller settings.
Unit not powering on	No power from outlet; faulty power cable; internal fuse blown	Check power source; test power cable; consult service technician for fuse replacement.

8. SPECIFICATIONS

Detailed technical specifications for the Magmatic Magma Fog 1500IP-II.



Feature	Specification
Item Model Number	MSF047
Power Consumption	1500W
Output Volume	60,000 CFM (cu ft/min)
Warm-up Time	Approximately 14 minutes
Fluid Consumption Rate	6.76 oz (200 ml/min)
Fluid Tank Capacity	5 Liters (1.32 Gallons)
Control	Onboard LCD Touchscreen, DMX-512, RDM, Optional Wired/Wireless Remote
IP Rating	IP67
Dimensions (L x W x H)	25.5 x 14.6 x 16.2 inches (64.8 x 37.1 x 41.1 cm)
Item Weight	74.3 pounds (33.7 kg)
Housing Material	Durable Aluminum



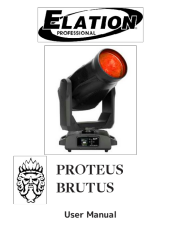

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Elation Professional website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.

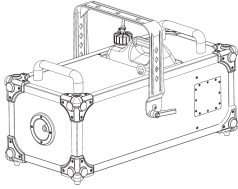
Elation Professional Customer Support: For assistance, visit www.elationlighting.com/support or contact your local distributor.

Related Documents - 1500IP-II

 <p>ELATION PROFESSIONAL</p> <p>ARTISTE MONDRIAN user manual</p>	<p>Elation Artiste Mondrian User Manual - Professional Lighting Guide</p> <p>Comprehensive user manual for the Elation Artiste Mondrian professional lighting fixture. Covers installation, operation, safety, DMX control, and specifications for optimal performance.</p>
 <p>ELATION CUEPIX PANEL user manual</p> <p>CUEPIX PANEL user manual</p>	<p>Elation CuePix Panel User Manual: Installation, DMX Control & Specifications</p> <p>Comprehensive user manual for the Elation CuePix Panel lighting fixture. Covers installation, DMX setup, technical specifications, and maintenance for professional stage and event lighting.</p>

 <p>ELATION PROTEUS EXCALIBUR user manual</p>	<p>Elation Proteus Excalibur User Manual - Professional Moving Head Lighting Fixture</p> <p>Comprehensive user manual for the Elation Proteus Excalibur professional moving head lighting fixture. Covers installation, operation, safety guidelines, DMX control, maintenance, and specifications.</p>
 <p>ELATION PULSE PANEL FX User Manual</p>	<p>Elation Pulse Panel FX User Manual</p> <p>This user manual provides comprehensive guidance for the Elation Pulse Panel FX, a professional IP65 rated lighting fixture. It covers detailed installation procedures, operational modes, system menu navigation, DMX traits across various channel modes, maintenance guidelines, and technical specifications for optimal use and safety.</p>
 <p>ELATION PROTEUS BRUTUS User Manual</p>	<p>Elation PROTEUS BRUTUS User Manual: Installation, Operation, and Safety Guide</p> <p>This comprehensive user manual for the Elation PROTEUS BRUTUS provides detailed instructions on installation, safety precautions, maintenance, system menu navigation, DMX control, and technical specifications for this 1200W IP65 rated LED wash FX moving head lighting fixture. Essential reading for professional lighting applications.</p>
 <p>ELATION PARAGON LT user manual</p>	<p>Elation Paragon LT User Manual</p> <p>Comprehensive user manual for the Elation Paragon LT professional lighting fixture, detailing installation, operation, safety, DMX control, and maintenance. Features IP54 rating and Aria X2 wireless connectivity.</p>

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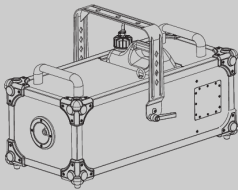


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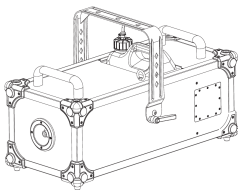


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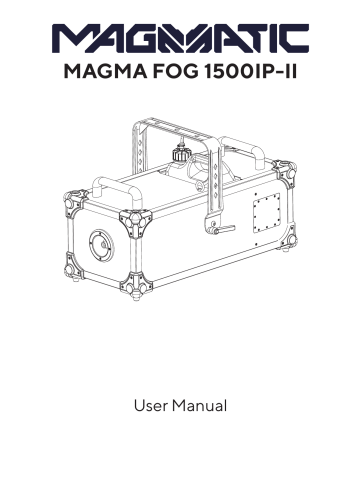
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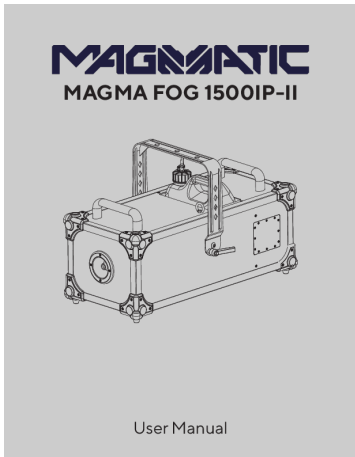
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