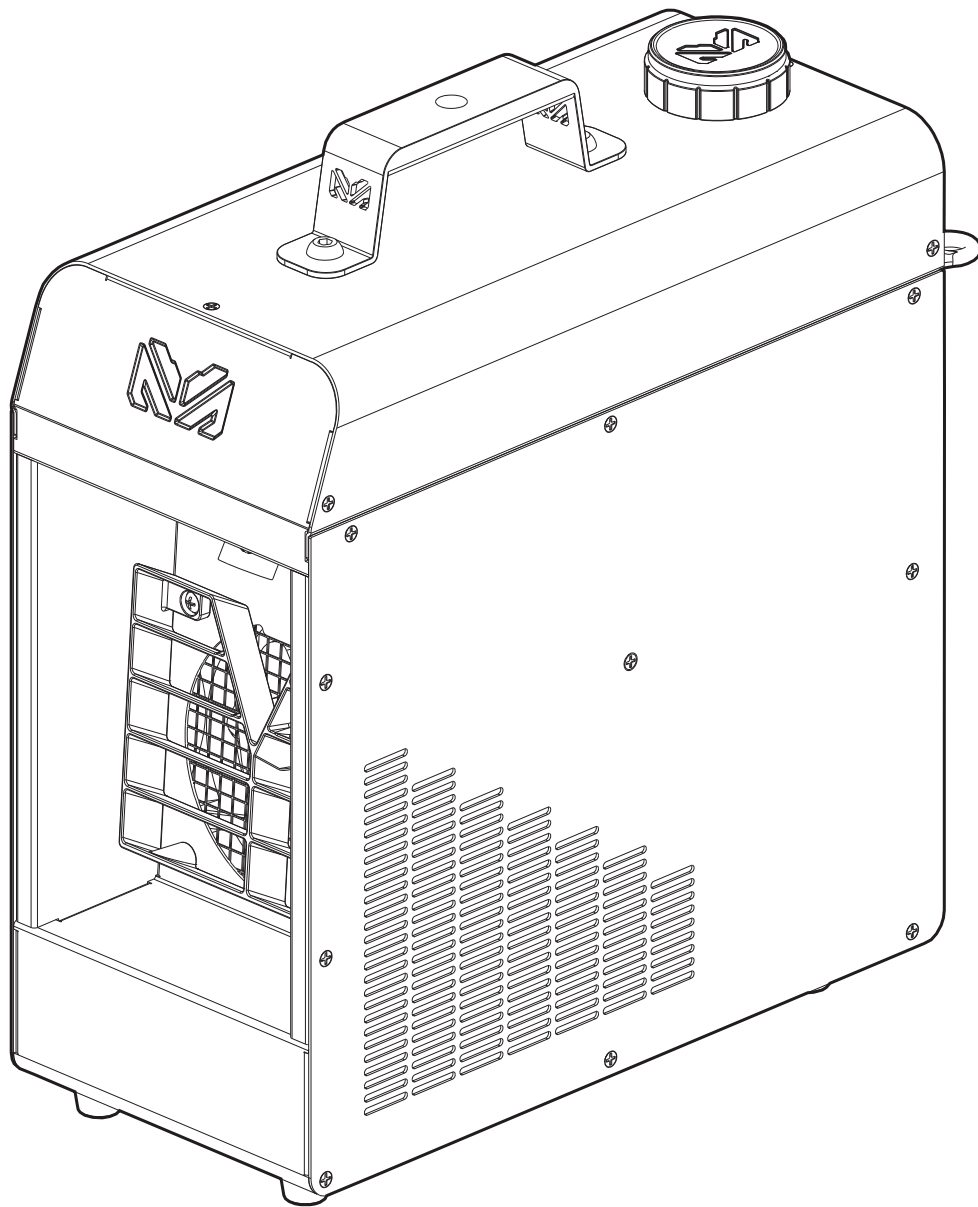


MAGNOMATIC

MAGMA PRIME II



User Manual

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DOCUMENT VERSION



Due to additional product features and/or enhancements, an updated version of this document may be available online.

Please check www.elationlighting.com for the latest revision/update of this manual before beginning installation and/or programming.

Date	Document Version	Software Version	DMX Channel Mode	Notes
05/14/26	1.0	1.2	1 / 2 / 3 / 5 Ch	Initial Release

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GENERAL INFORMATION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information. **This device is intended for use by trained personnel only, and is not suitable for private use.**

UNPACKING

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event that damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

BOX CONTENTS

Locking Power Cable (x1)

CUSTOMER SUPPORT

Contact MAGMATIC Service for any product related service and support needs. Also visit forums.elationlighting.com with questions, comments or suggestions.

ELATION SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
323-582-3322 | support@elationlighting.com

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
+31 45 546 85 63 | support@elationlighting.eu

REPLACEMENT PARTS - please visit parts.elationlighting.com

LIMITED WARRANTY

For up-to-date warranty information regarding your device, please visit Elation's warranty information page online or scan the QR codes below.



USA: <https://www.elationlighting.com/warranty-information>



EU: https://www.elationlighting.eu/terms_and_conditions

THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF, AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.

SAFETY GUIDELINES

This fixture is a sophisticated piece of electronic equipment. To guarantee smooth operation, it is important to follow all instructions and guidelines in this manual. Magmatic Effects is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform installation of this fixture and only the original parts included with this fixture should be used for installation. Any modifications to the fixture and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED.



THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT. DO NOT ATTEMPT ANY REPAIRS YOURSELF. DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS DEVICE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS.



**DO NOT PLUG THIS UNIT INTO A DIMMER PACK
KEEP UNIT IN AN UPRIGHT POSITION
NEVER OPERATE THIS UNIT WITH THE COVER REMOVED
UNPLUG FROM POWER DURING LONG PERIODS OF NON-USE
ENSURE TANK IS EMPTY BEFORE STORAGE OR TRANSPORT
DO NOT MOVE WHEN FILLED WITH FLUID
DISCONNECT POWER BEFORE ADDING FLUID OR PERFORMING MAINTENANCE**



**INDOOR / DRY LOCATIONS USE ONLY!
DO NOT EXPOSE FIXTURE TO RAIN AND MOISTURE!
PLACE IN A WELL VENTILATED AREA
ALLOW 40 INCHES (102 CM) OF CLEARANCE ABOVE AND AROUND THE
DEVICE FOR PROPER VENTILATION**

SAFETY GUIDELINES

IMPORTANT SAFETY INSTRUCTIONS. READ THESE INSTRUCTIONS THOROUGHLY BEFORE USE, AND SAVE THEM FOR FUTURE REFERENCE.

CAUTION:

- Risk of burn, fire, or electric shock.
- For indoor use only.
- Please read the instruction manual carefully before use.
- Do not immerse in liquid.
- Not for space heating use.

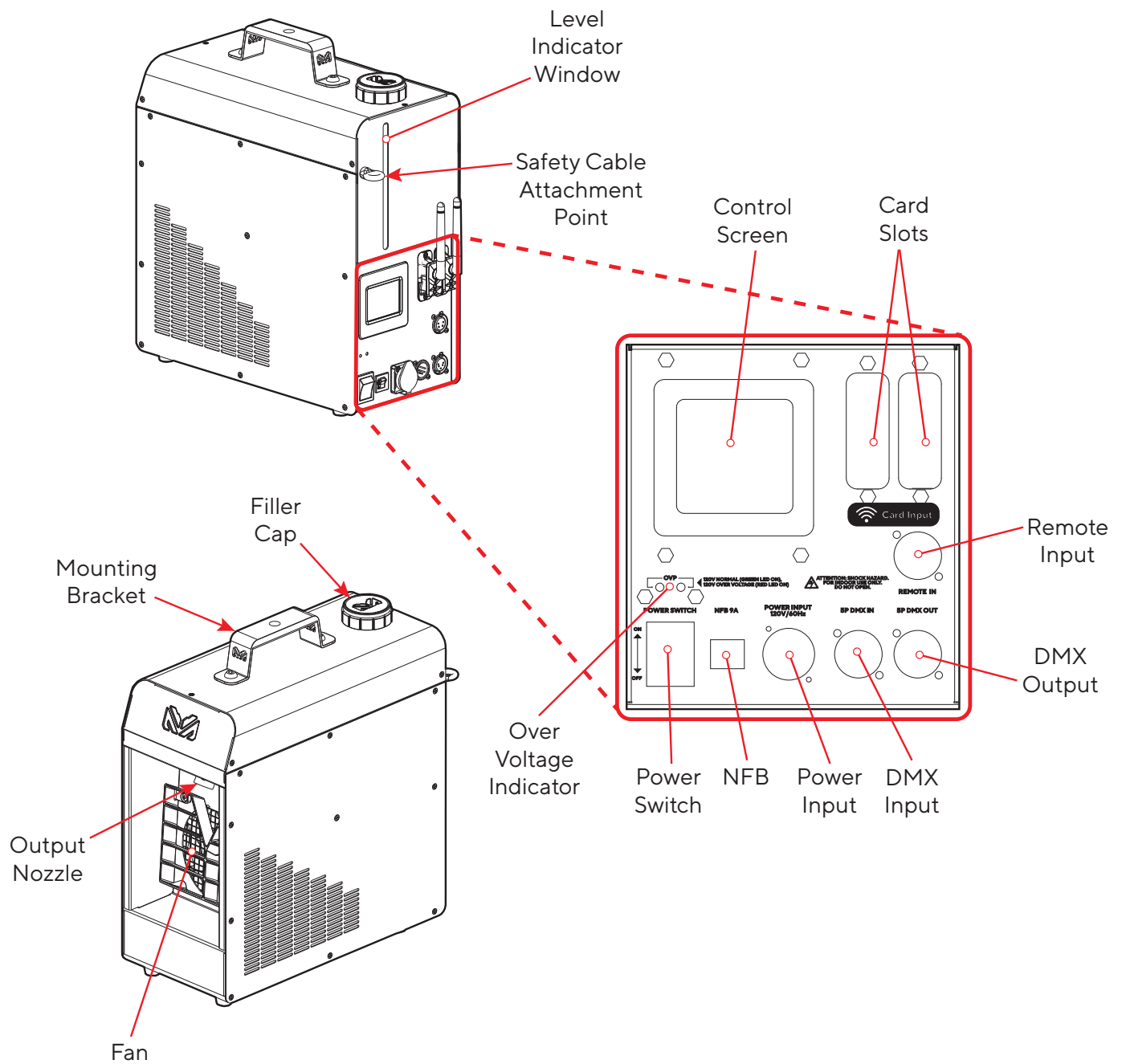
WARNING: To prevent risk of personal injury, fire, and electric shock:

- Unplug device when not in use. Never leave unit unattended while plugged in.
- Read all important safety instructions and cautions before attempting to use.
- Connect only to a properly grounded power outlet.
- Place product on a flat, level, HARD surface and connect the cord to prevent the product from tipping or overturning.
- For use in covered areas only! Keep unit dry, and do not expose to rain, moisture, or liquid immersion.
- Leave enough space for adequate ventilation. Keep the device cool and away from other objects.
- Do not operate the device without fog liquid in the reservoir.
- Use caution when filling the fluid reservoir in order to avoid spillage, as spilled liquid can result in electrical shock.
- Do not use if liquid spills into or onto the unit, and allow the device to dry completely before attempting usage.
- Do not overfill the fluid reservoir.
- Keep away from flames and flammable or explosive substances.
- Never pour flammable liquids, such as gas, perfume, etc, into the fog machine.
- Keep the device and fog fluid out of reach of children.
- Use only under adult supervision.
- Do not direct fog output in the direction of people or open flame.
- Do not approach within 20 inches (50cm) of the output nozzle on the front of the unit while in operation.
- Do not obstruct the output nozzle.
- Do not open the unit for any reason. There are no user serviceable parts inside, and all maintenance and repair procedures should be referred to an authorized vendor or technician.
- Only a certified electrician may replace the power cord.
- Clean the unit prior to storage to avoid damage.

POWER SUPPLY CORD:

- A short power supply cord (or short detachable power-supply cord) is provided to reduce the risk of a person becoming entangled in or tripping over the cord.
- Extension cords (or long detachable power-supply cords) are available and may be used as long as care is exercised during use.
- If an extension cord (or long detachable power-supply cord) is used, follow the guidelines below:
 1. The indicated electrical rating of the cord should be meet or exceed the rating of the device.
 2. If the device is of the grounded type, the cord must use a grounding type 3-wire cord.
 3. The cord should be routed in such a way as not to cause a tripping hazard or result in unintentional snagging or pulling of the cord, especially in the presence of children.

OVERVIEW



INSTALLATION INSTRUCTIONS



FLAMMABLE MATERIAL WARNING

Keep fixture a minimum of 5 feet (1.5 meters) away from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS

A qualified electrician should handle all electrical connections and installations.



DO NOT INSTALL THE FIXTURE IF YOU ARE NOT QUALIFIED TO DO SO!

Device **MUST** be installed in accordance with all local, national, and country commercial electrical and construction codes and regulations.

Before rigging/mounting a single device or multiple interconnected devices for custom matrix designs to any metal truss/structure or placing the device(s) on any surface, consult a professional equipment installer to ensure the metal truss/structure or surface is certified to safely hold the combined weight of the device(s), clamps, cables, and accessories.

Maximum ambient operating temperature is **104°F (40°C)**. Do not operate the device if the ambient temperature exceeds this limit.

Install the device(s) outside walking paths, seating areas, and areas where unauthorized personnel might reach the device by hand.

NEVER stand directly below the device(s) when rigging, removing, or servicing.

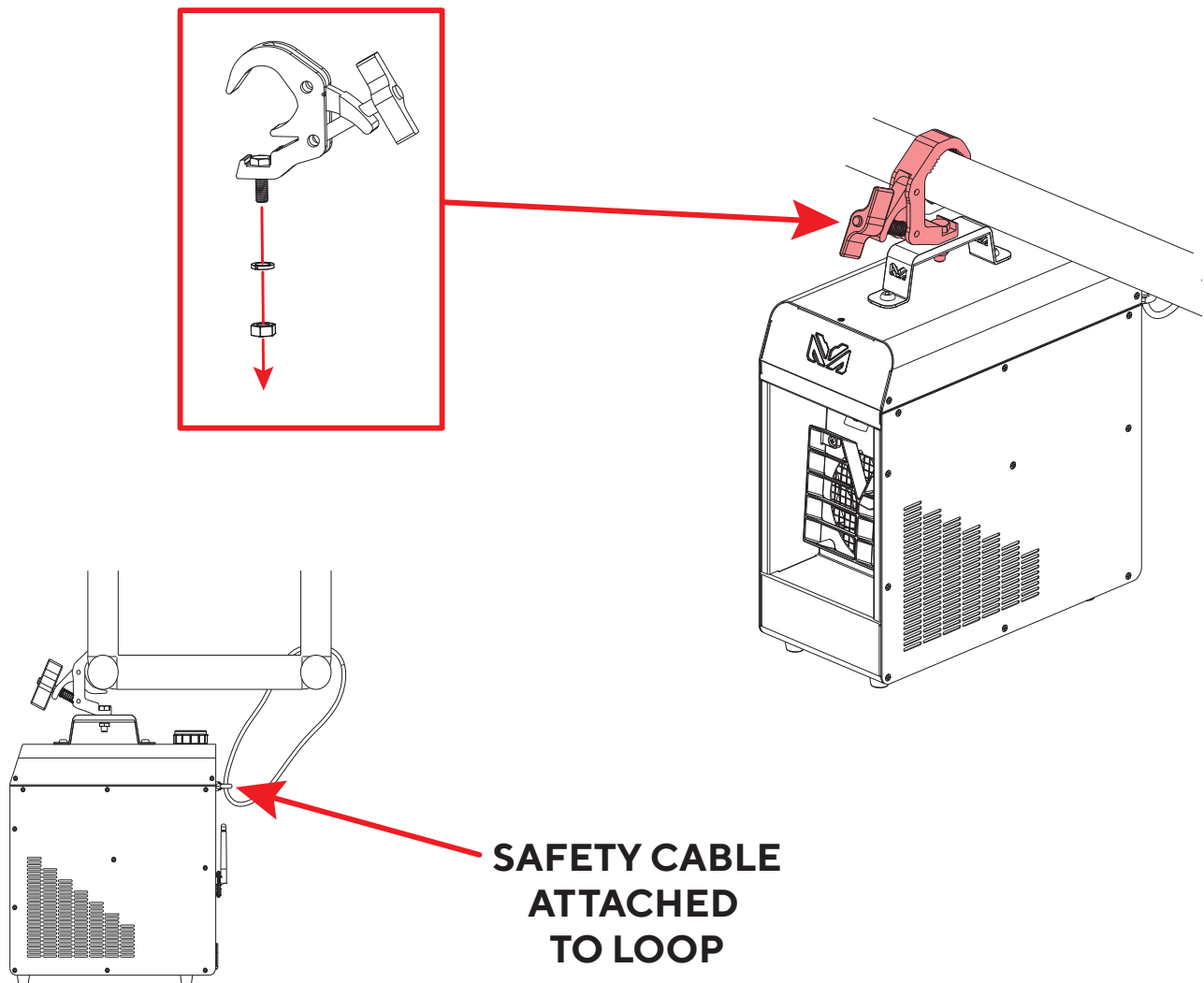
Allow approximately 15 minutes for the device to cool down before servicing.

Overhead installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable (not included) that meets all local, national, and country codes and regulations.

INSTALLATION INSTRUCTIONS

CLAMP INSTALLATION

This unit features a mounting bracket on the top side for the attachment of a mounting clamp. When mounting this fixture to truss, insert the bolt on the bottom of the mounting clamp through the hole in the center of the mounting bracket, then secure in place with a matching nut. Attach a separate **SAFETY CABLE** of the appropriate rating to the safety cable loop located beside the fluid level indicator window.



ALWAYS ATTACH A SAFETY CABLE WHEN INSTALLING THIS UNIT IN A SUSPENDED ENVIRONMENT TO ENSURE THAT THE UNIT WILL NOT FALL IN THE EVENT THAT THE CLAMP FAILS.

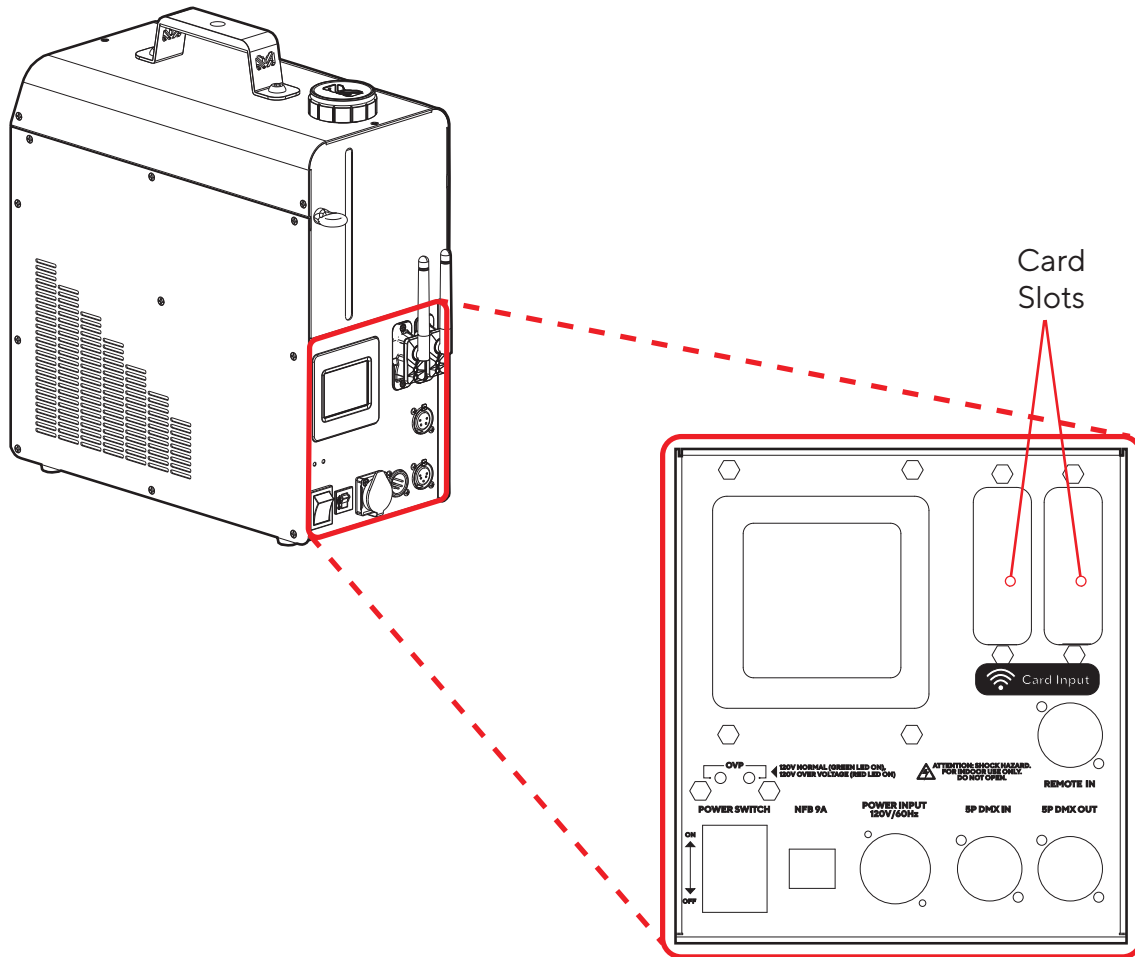
RIGGING

Overhead rigging requires extensive experience, including but not limited to: calculating working load limits, understanding the installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

ACCESSORY INSTALLATION INSTRUCTIONS

ARIA X2 WIRELESS TRANSCIEVER & MAGRF REMOTE MODULE

This device features 2 slots for optional card-type modules, which are located on the connection panel. To install the modules, remove the slot covers, insert the desired module, and secure in place with the two included screws. For ordering information, see the **Ordering Information** section of this manual.



SETUP

1. Open the shipping carton and carefully remove the unit and all included items from the shipping carton.
2. Be sure to remove all the packing material especially around the nozzle.
3. Set the machine on a flat dry surface. Remove the fluid reservoir cap and carefully fill the fog fluid reservoir with Atmosity Extreme Filtered water based smoke & haze fluid. Once the fluid tank is filled, replace and tighten the reservoir cap.
4. Connect the unit to a matching power supply and put the power switch into the "ON" position. Once power is applied, the fan will begin to operate and the machine will begin to heat up. When the machine is heating up, the display will read "HEATING" in the top left corner with the heating percentage.
5. The machine takes 6 minutes to heat up. When the machine has reached its operating temperature the display will read "**READY**".
6. To emit haze, select your desired operating mode using the touch screen display. See the Control Panel and System Menu sections of this manual.

REMOTE CONTROL

This unit can be operated using the **MagRemote VIDI** remote control, which is a 4-pin, wired remote that can be used to control the volume, intensity, duration, and interval. Please note that the MagRemote VIDI is a universal remote, and some remote functions may not be applicable to all units.

To operate the device using this remote, simply connect the remote's 4-pin male connector to the matching 4-pin female port on the back of the unit, which is labeled "Remote In." The unit will automatically recognize whether or not the remote has been connection. Available functions are listed below:

Manual Button - Unit outputs when button is pressed, and stops when the button is released. LED illuminates when unit is outputting. Settings are set on the device's display screen.

Continuous Button - Unit outputs when button is pressed the first time, and continues to output until the button is pressed again. LED illuminates when unit is outputting. Settings are set on the device's display screen.

Timer On/Off Button - Activates or deactivates the timer function. LED illuminates when function is activated.

Volume Knob - Adjust the speed of the fan.

Intensity Knob - Adjust the amount of fog output.

Duration Knob - Adjust the length of time that the unit will produce fog after reaching the current interval time.

Interval Knob - Adjust the length of time before the unit begins to output fog.



REMOTE DEVICE MANAGEMENT (RDM)

NOTE: In order for RDM to work properly, RDM enabled equipment must be used throughout the entire system, including DMX data splitters and wireless systems.

Remote Device Management (RDM) is a protocol that sits on top of the DMX512 data standard for lighting, allowing the DMX systems of the fixtures to be modified and monitored remotely. This protocol is ideal for instances in which a unit is installed in a location that is not easily accessible.

With RDM, the DMX512 system becomes bi-directional, allowing a compatible RDM enabled controller to send out a signal to devices on the wire, as well as allowing the fixture to respond (known as a GET command). The controller can then use its SET command to modify settings that would typically have to be changed or viewed directly via the unit's display screen, including the DMX Address, DMX Channel Mode, and Temperature Sensors.

FIXTURE RDM INFORMATION:

RDM Code	Device Model ID	Personality ID
22A6H	1811	1ch, 2ch, 3ch, 5ch

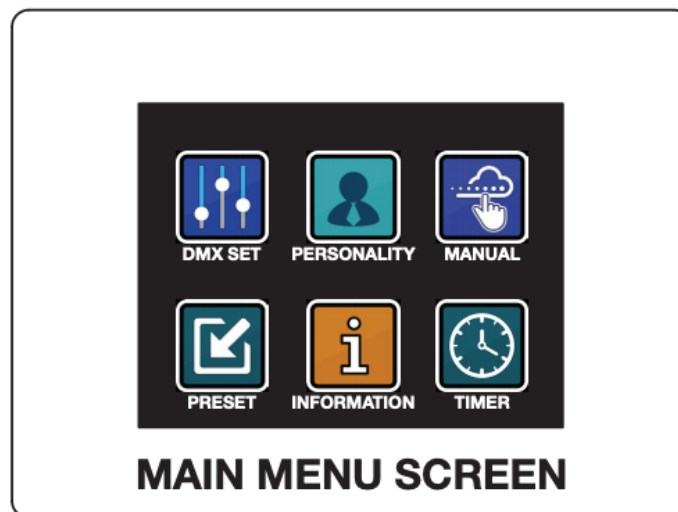
Please be aware that not all RDM devices support all RDM features, and therefore it is important to check beforehand to ensure that the equipment that you are considering includes all of the features that you require.

The following parameters are accessible in RDM on this device:

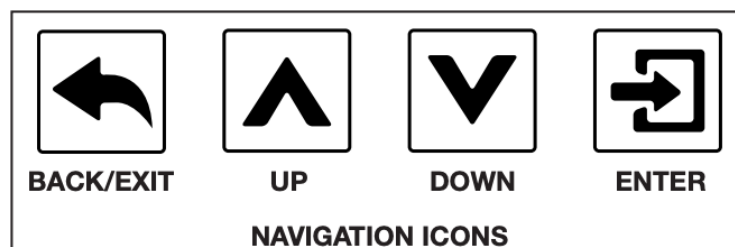
[0x1000] Identify Device
[0x00F0] DMX Start Address
[0x00C0] Software Version Label
[0x0060] Device Info
[0x0080] Device Model Description
[0x0081] Manufacturer Label
[0x0082] Device Label
[0x0050] Supported Parameters
[0x00E1] DMX Personality Description
[0x00E0] DMX Personality
[0x0200] Sensor Definition
[0x0201] Sensor Value

CONTROL PANEL

This device includes a system menu with an easy to navigate touch screen control panel where all necessary settings and adjustments can be made. When first powering on the device, the main menu will be displayed.



To proceed, press the main menu icon that you would like to access. Use the **ENTER** button to access sub menus and use the **UP** and **DOWN** buttons to make adjustments. Press the **ENTER** button to confirm your adjustments. You may exit the main menu at any time without making any adjustments by pressing the **BACK/EXIT** button.



When using the Timer function, a different set of Timer Icons will be displayed. Press the **SETTINGS** button to adjust the timer function settings. Press the **PLAY/STOP** button at any time to begin operating the device according to the timer settings that have been inputted. You may exit to the main menu at any time by pressing the **BACK/EXIT** button.



SYSTEM MENU

ICON	MAIN MENU	OPTIONS			
	DMX Set	DMX Address	1 - 512		
		DMX Mode	1-ch		
			2-ch		
			3-ch		
			5-ch		
	Personality	MagApp Set (when no card is installed, "Optional Module Not Installed" message will display)	MagApp Name	0 - xxxxx	
			MagApp Passcode	xxxxxxxx	
			MagApp IP	0 - 255.0 - 255.0 - 255.0 - 255	
			MagApp Port	0 - 65535	
			MagApp Reset	Complete	
				Failed, Try Again	
			MagApp > DMX & ARIA X2	On / Off	
		LCD Set	Screen Off	Never	
				10s	
				40s	
				1min	
				2min	
				5min	
				10min	
				20min	
		Aria X2 (when no card is installed, "Optional Module Not Installed" message will display)	Unique	ID	
			Wireless DMX Type	2.4GHz	
				Sub GHz US	
				Sub GHz EU	
			Wireless DMX Enable	True / False	
			2.4GHz Wireless Channel	0 - 15	
			Sub GHz US Wireless Channel	0 - 9	
		Sub GHz EU Wireless Channel	0 - 10		
		Bluetooth Enabled	True / False		

SYSTEM MENU

ICON	MAIN MENU	OPTIONS	
	Personality (continued)	No Fluid	On / Off
		MagRF Learn (when no card is installed, "Optional Module Not Installed" message will display)	Connected
			Connection Failed, check module and retry
		Last State	Yes / No
		Default	
	Manual	Fog 	1% - 100%
		Fan 	20% - 100%
	Timer	Fog 	1% - 100%
		Fan 	20% - 100%
		Duration	0s - 250s
		Interval	0s - 2500s
	Preset	Preset 1: Duration: 40min Fog: 100% Interval: 20min Fan: 100%	
		Preset 2: Duration: 25min Fog: 100% Interval: 10min Fan: 100%	
		Preset 3: Duration: 10min Fog: 100% Interval: 5min Fan: 100%	

SYSTEM MENU

ICON	MAIN MENU	OPTIONS		
	Preset (continued)	Preset 4: Duration: 40min Fog: 50% Interval: 20min Fan: 100%		
		Preset 5: Duration: 10min Fog: 50% Interval: 5min Fan: 100%		
	Information	State	Normal / Error	
		Slot 1	Null / Aria X2 / MagApp / MagRF	
		Slot 2	Null / Aria X2 / MagApp / MagRF	
		Last Control	LCD_auto / LCD_manual / DMX / MagApp / MagRF / MagRemote / Error	
		MagRemote State	Yes / No	
		MagApp Connect	Null / Phone / Route / No	
		MagApp IP	No / 0 - 255, 0 - 255, 0 - 255, 0 - 255	
		Wireless DMX Type	2.4 GHz Channel 0 -15	
			Sub GHz US Channel 0 - 9	
			Sub GHz EU Channel 0 -10	
		DMX Addr	1 - 512	
		DMX Mode	1 / 2 / 3 / 5	
		Timer Output	1% - 100%	
		Timer Fan Sp	20% - 100%	
		Timer Int	0 - 2500s	
		Timer Dur	0 - 250s	
		Heating	0% - 100%	
		No Fluid	Normal / Empty	
		Heater State	Normal / Error / No Heat	
		LCD Ver	Vx.x	
		Sftwr Ver	Vx.x	

MESSAGE ICONS

ICON	DESCRIPTION
	Icon appears when Aria X2 module is connected. 4-bar symbol on the right indicates signal strength, with 0 bars being weakest and 4 bars being strongest.
	Icon appears when MagApp module is connected. 4-bar symbol on the right indicates signal strength, with 0 bars being weakest and 4 bars being strongest.
	Icon appears when MagRF module is connected.
	Icon appears when MagRemote controller is connected.
  	Heater status, indicating that heating is in progress, heating process is completed, or that there is an abnormal heater condition.
	Icon appears when DMX signal is detected.
	Icon appears when fluid reservoir is empty, if Fluid Warning setting has been enabled.
	Icon appears when the device enters forced pumping mode. This can occur when the interval between two output periods is less than 0.6 sec, during which forced pumping will be active for up to 10 sec. In this mode, the pump operates at a high output level to rapidly circulate fluid to fill the lines. This mode can also be activated by pressing the START button 3 times.
	Icon appears when the device is in cleaning mode, which clears residual oil out of the device's internal piping. Do not power the fixture down while the Cleaning indicator is displayed.

DMX TRAITS

CHANNEL				DMX VALUES	FUNCTION
1-CH	2-CH	3-CH	5-CH		
		1	1		Fog On/Off
				000 - 005	Fog Off
				006 - 255	Fog On
1	1	2	2		Fog Volume
				000 - 005	0%
				006 - 255	1% - 100%
	2	3	3		Fan
				000 - 255	20% - 100%
			4		Duration
				000 - 005	0s
				006 - 255	1s - 250s
			5		Interval
				000 - 005	0s
				006 - 255	10s - 2500s

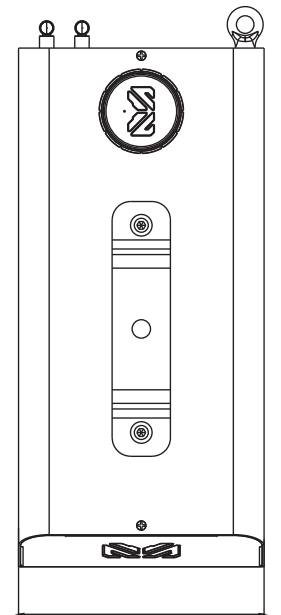
TROUBLE SHOOTING

If you experience low output, pump noise, or no output at all, disconnect the device and discontinue use immediately. Do not attempt to continue operation, as this may damage the machine. Check the fluid level, the breaker, and the wall outlet to make sure that it is sending power. If all the above factors do not appear to be causing the issue, and the unit still fails to operate correctly, the unit will require service. Please contact Magmatic Effects for assistance.

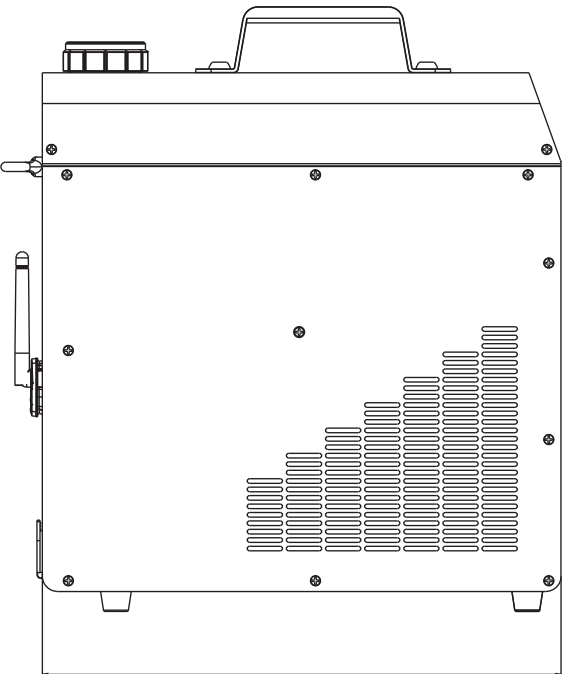
CLEANING & MAINTENANCE

Store this device in a cool area, and cover the device in order to prevent dust build up. When storing for long periods of time, it is highly advisable to run the device at least once every 3-4 months, as long periods of inactivity can severely shorten the life of your device. **Only run Magmatic's Atmosity Extreme Filtered fog fluid through your machine.** Never run plain water, vinegar, or any other liquid solution through your device, as doing so will severely damage your device.

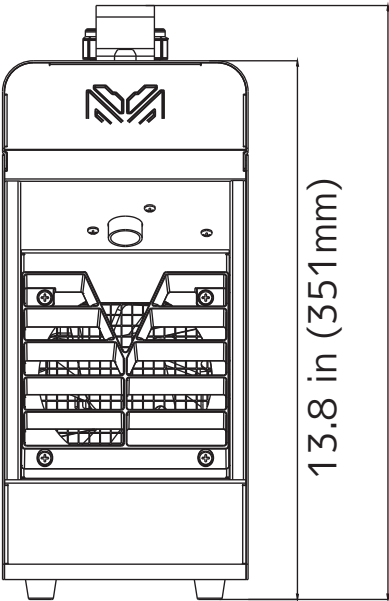
DIMENSIONAL DRAWINGS



6.3 in (160mm)



13.3 in (338mm)



13.8 in (351mm)
15.2 in (387mm)

SPECIFICATIONS

PERFORMANCE

Rated Power: 700W

Max Output: 4,000 CFM* (cu ft/min.) (113 m3/min*)

Ready Time: Initial = 6 Minutes*

Fluid Capacity: 0.345 gallons (1.3 liters)

Fluid Consumption: 0.115 oz/min (3.4 ml/min)

Automatic Priming

Hanging Bracket

OVP "Over Voltage Protection"

Sleep Mode

*approximate

COMPATIBLE FLUID

Atmosity Extreme Filtered Fog Fluid (AEF-2L, AEF-4L and AEF-20L)

CONSTRUCTION

Thermally Protected Heat Exchanger

Sealed Fluid Reservoir

External Visual Fluid Level Detection

Compact Light Weight Mobile Design

CONTROL

4 DMX Channel Modes (1 / 2 / 3 / 5)

Onboard LCD Touch Control Panel

DMX-512 and RDM Protocol Support

Optional Wireless DMX Transceiver Module

Optional MAGRF Wireless and Wired Remotes

CONNECTIONS

Locking 5pin XLR Connector In/Out

IP65 Locking Power Connector In

With Wired Digital Communication Network

SIZE / WEIGHT

Length: 13.3 in. (338mm)

Width: 6.3 in. (160mm)

Height: 15.2 in. (387mm)

Weight: 22.48 lbs. (10.2kg)

ELECTRICAL

AC120V 60Hz (US Version)

AC230V 50Hz (EU Version)

9A @ 120VAC(NFB)

5A @ 230VAC - 240VAC

Max Power Consumption: 720W

THERMAL

Maximum Ambient Temperature (Ta max) 104°F (40°C)

Exterior Surface Temperature, Steady State: 122°F (50°C)

APPROVALS / RATINGS

CE | cETLus (Control #: 5011471) | FCC | IP20



FCC STATEMENT

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Please note that changes or modifications of this product is not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

