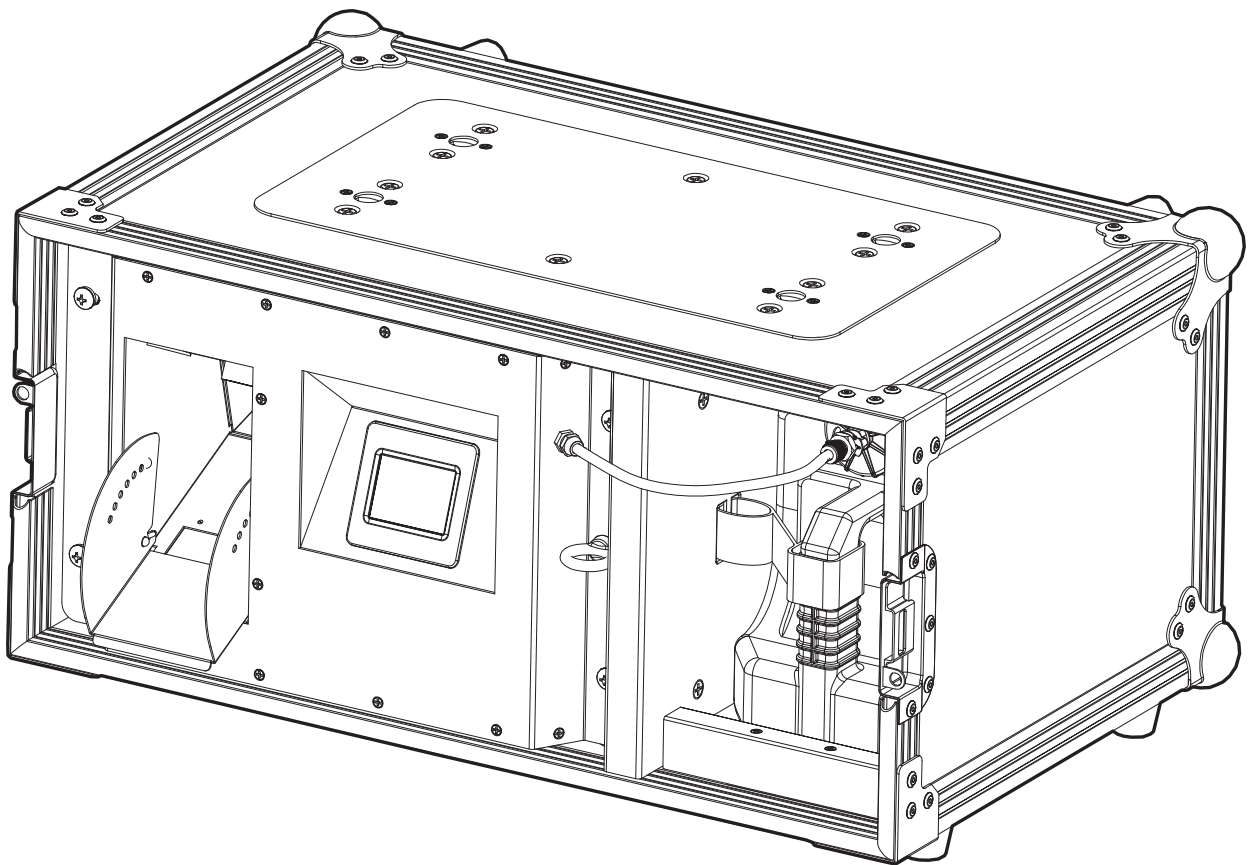


MAGNOMATIC

MAGMA PRIME TOUR



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
09/29/25	1.0	N/C	1 / 2 / 3 / 5 / 6 channels	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

Twist Lock 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 | Fax +31 45 546 85 96 | 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**

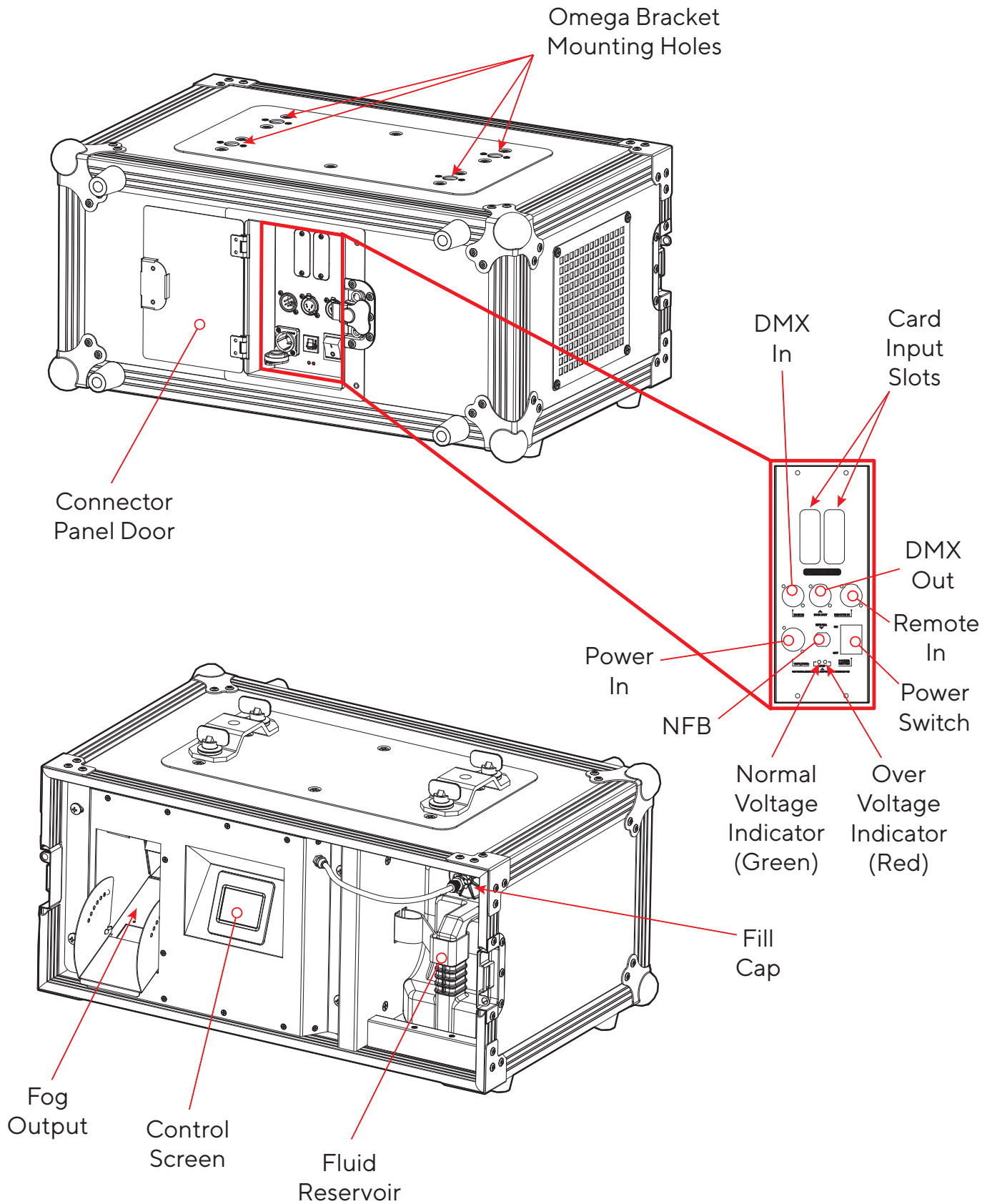


**INDOOR / DRY LOCATIONS USE ONLY!
DO NOT EXPOSE FIXTURE TO RAIN AND MOISTURE!**

SAFETY GUIDELINES

- **CAUTION: Fog machines may trigger smoke alarms!**
- Do not attempt to install or operate this device without knowing how to do so.
- Do not direct fog output in an unsafe direction.
- Nozzle may be hot! Do not touch the during or immediately after operation.
- Do not shake the device or use excessive force during installation or operation.
- Keep the packing carton for use in the event that the device needs to be returned for service.
- Ensure that the voltage of the power source matches the device's required voltage.
- Do not disassemble the device, as there are no user-serviceable parts inside.
- Never connect this device to a dimmer pack.
- Do not use this device if it has been damaged in any way.
- Never operate this device with its cover removed.
- Do not use the device if its power cord is frayed, crimped, or damaged. Replace any faulty cords with new ones with the same power rating.
- Do not remove the ground prong from the power cord! Doing so will increase the risk of shock and/or fire.
- Always disconnect the device from power before making connections, handling fluid, or performing cleaning or maintenance.
- Always empty the fluid reservoir before transporting the device.
- Always operate this device in an area with adequate ventilation.
- Always unplug power cords during extended periods of non-use.
- Always secure this unit in a safe and stable manner.
- Always route power cables in such a way as to avoid foot traffic or being pinched by nearby objects.
- A short power-supply cord (or short detachable power-supply cord) is provided in order to reduce the risk of tripping or entanglement that can result from the use of a longer cord.
- Extension cords (or longer detachable power-supply cords) are available and may be used if care is exercised in order to minimize tripping risks or damage to the cord.
- If an extension cord (or a long detachable power-supply cord) is used, please consider the following requirements:
 - The indicated electrical rating of the detachable power-supply cord or extension cord should be equal to or greater than the electrical rating of the appliance.
 - If the appliance is of the grounded type, a grounding-type 3-wire cord must be used for the extension cord.
 - Longer cords should be arranged so that they will not drape over raised surfaces or obstacles, where they can be tripped over, snagged, or pulled on unintentionally (especially by children).
- Have the device serviced by qualified personnel when:
 - A. The power cord or plug is damaged.
 - B. Objects have fallen onto the unit and damaged its casing.
 - C. The device has been exposed to rain or moisture.
 - D. The device fails to function normally or shows a noticeable change in performance.

OVERVIEW



INSTALLATION INSTRUCTIONS



FLAMMABLE MATERIAL WARNING

Keep fixture a minimum of 2 feet (60 centimeters) 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.

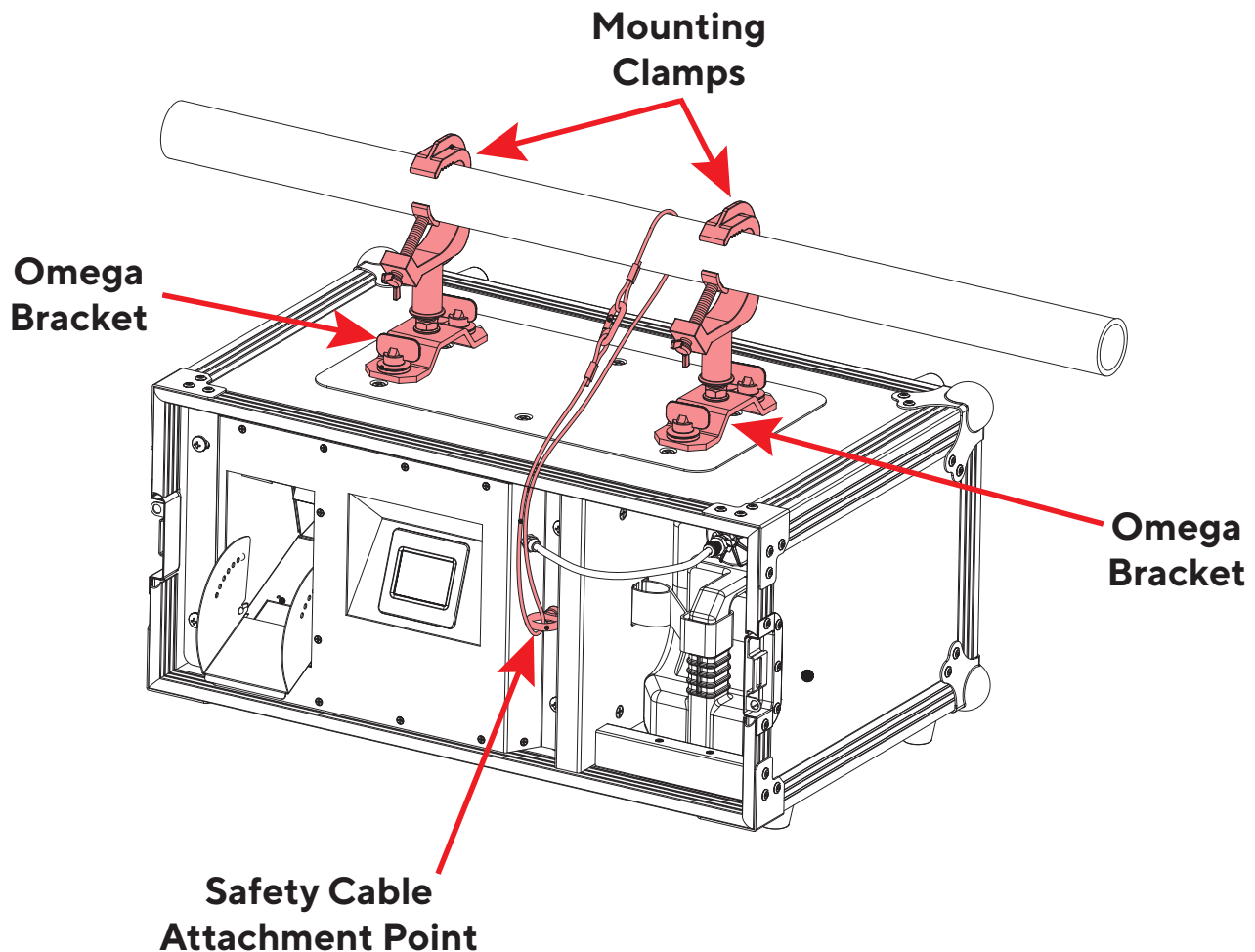
Allow approximately 15 minutes for the device to cool down before servicing.

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 mounting holes on the top side for the attachment of mounting clamps. When mounting this fixture to truss, insert the bolt on the bottom of the mounting clamp through the hole in the center of the Omega bracket, then secure in place with a matching nut. Insert the twist lock fasteners on the Omega bracket into the mounting holes on the device, and twist to secure in place. Attach a separate **SAFETY CABLE** of the appropriate rating to the safety cable loop located beside the control panel. Please note that at least two mounting clamps are required to securely install this device in a suspended environment.



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.

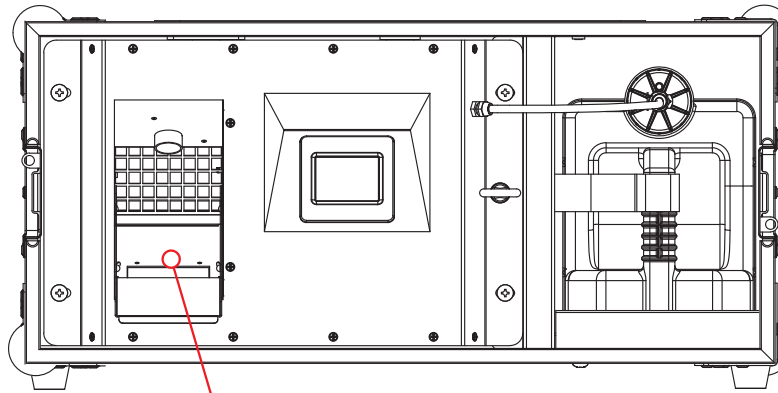
RIGGING

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.

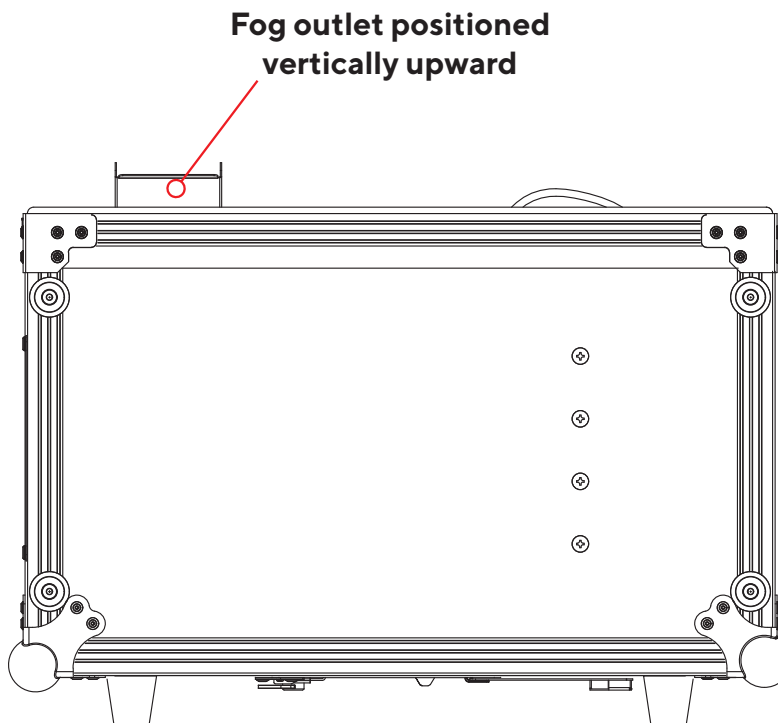
INSTALLATION INSTRUCTIONS

ORIENTATION

This device may be positioned with the fog outlet oriented either vertically upward or horizontally in any direction. Refer to the illustrations below.



Fog outlet positioned horizontally

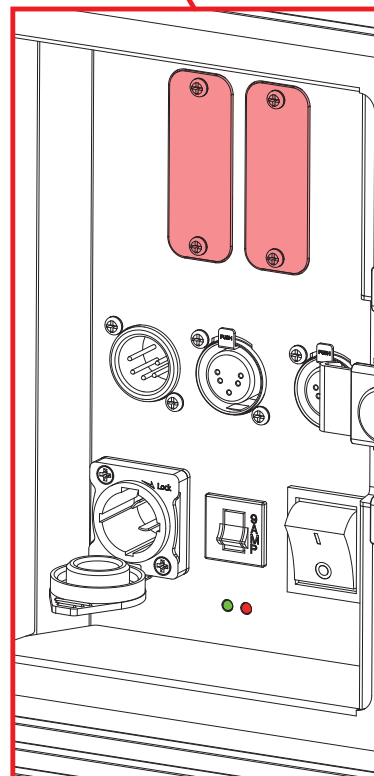
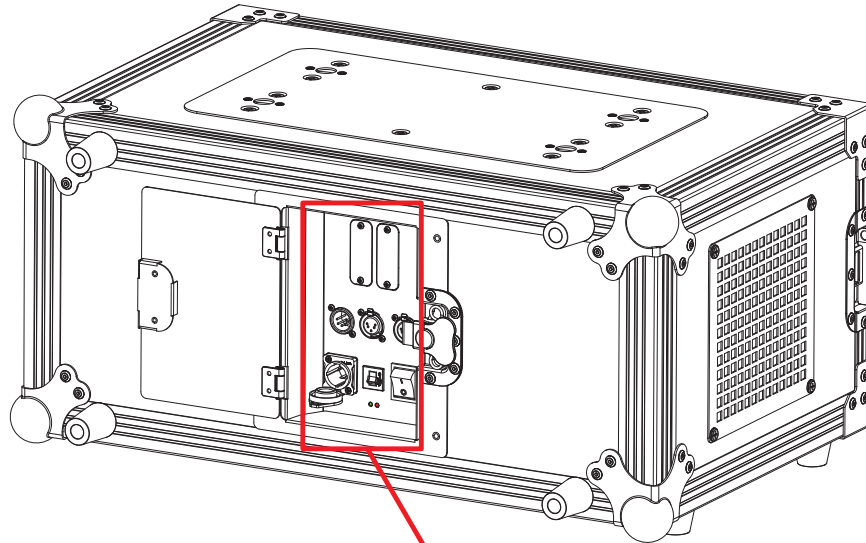


Fog outlet positioned vertically upward

ACCESSORY INSTALLATION INSTRUCTIONS

ARIA X2 WIRELESS TRANSCEIVER & 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.



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	1820	1-ch, 2-ch, 3-ch, 5-ch, 6-ch

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:

CODE	PARAMETER
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

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. The LED illuminates when unit is outputting, and 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 or when fog machine needs to rehear. LED flashes when unit is outputting.

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

Volume Knob - Adjust the volume of the fog output from 5% to 100%.

Intensity Knob - Not applicable to this device.

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.

Note - If switching between Vidi Remote and on-screen menu, the unit will respond to the most recent method of input and override the previous method.

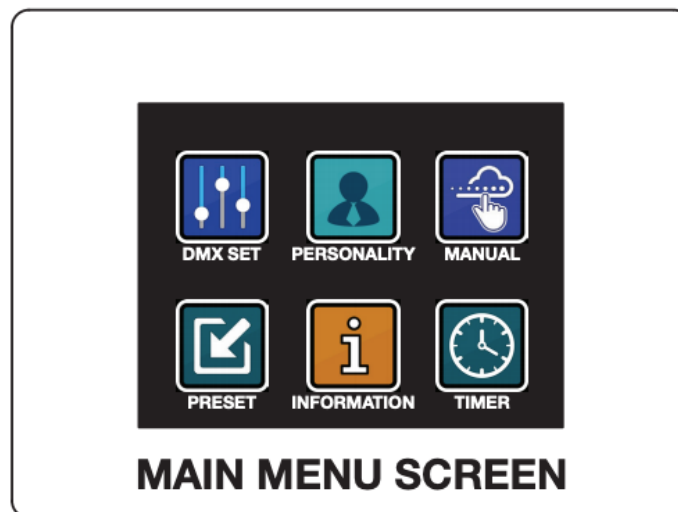


SETUP

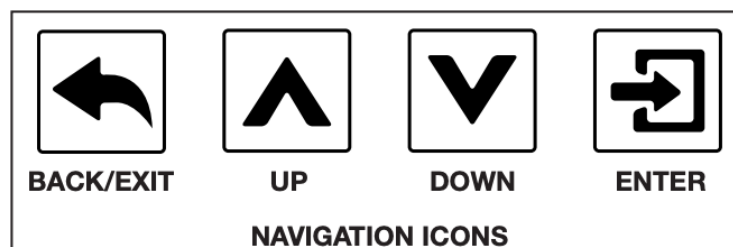
1. Open the shipping carton and carefully remove the unit. Be sure to remove ALL the packing material, paying particular attention to the area around the fog outlet vent.
2. Set the unit on a flat dry surface, then unscrew the tank cap and fill the reservoir with Atmosity Extreme Filtered Fog Fluid (AEF-4L). **Never run the unit on anything other than approved, MAGMATIC branded fluid, as doing so can result in severe damage to your device.**
3. Screw the tank cap back onto the fluid tank. Be careful not to pinch, twist, or tangle the feed tube that is connected to the tank cap.
4. Connect the included power cable to the back of the unit (located beneath the DMX and remote ports) and connect the the unit to a properly rated power source. Allow the unit to warm up for at least 60 seconds before beginning fog emission.

CONTROL PANEL

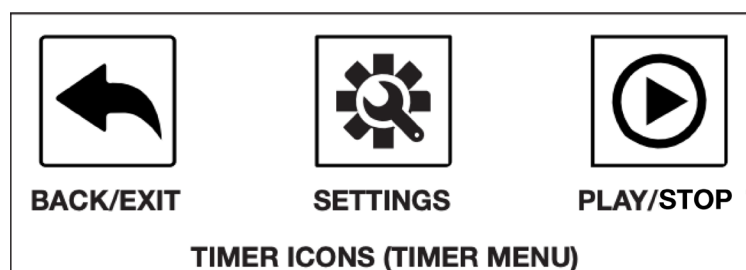
This device includes a system menu with an easy to navigate touch screen control panel where all necessary settings and adjustments can be made. When first powering on the device, the main menu will be displayed.





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	
			6-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 & MagFly	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	





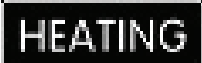







SYSTEM MENU

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 / MagFly / MagApp / MagRF	
		Slot 2	Null / MagFly / 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	
		Aria X2	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 / 6	
		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 device enters sleep mode.
	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	6-CH		
		1	1	1		Fog On/Off
					000 - 005	Fog Off
					006 - 255	Fog On
1	1	2	2	2		Fog Volume
					000 - 005	0%
					006 - 255	1% - 100%
	2	3	3	3		Wind Volume
					000 - 255	20% - 100%
			4	4		Duration
					000 - 005	0s
					006 - 255	1s - 250s
			5	5		Interval
					000 - 005	0s
					006 - 255	10s - 2500s
				6		Sleep Mode
					000 - 005	Off
					006 - 255	On

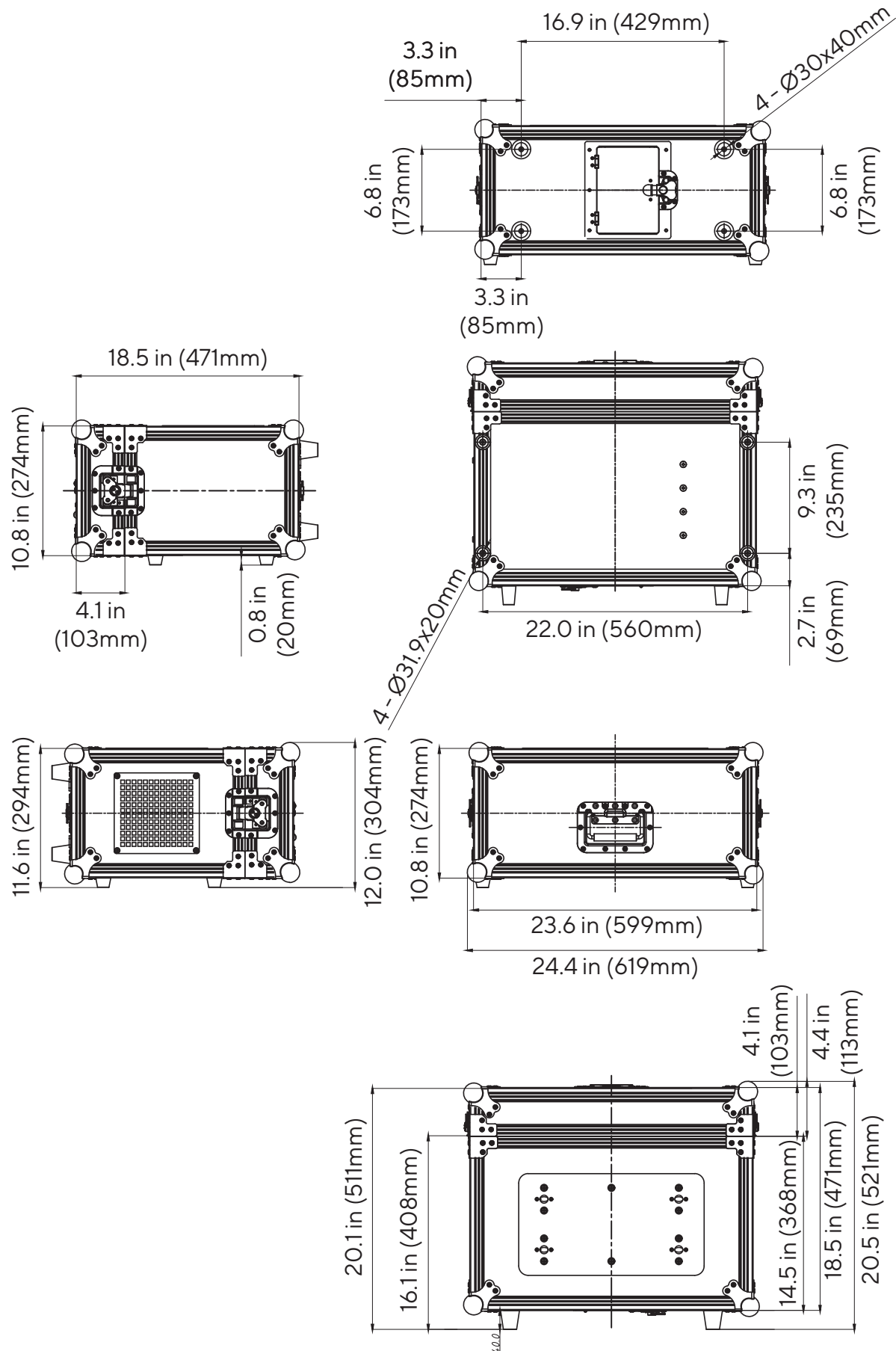
TROUBLE SHOOTING

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



SPECIFICATIONS

PERFORMANCE

Rated Power: 1500W

Heater Power: 1350W

Over-Voltage Protection (OVP)

DMX-Activated Sleep Mode

Max Output: 18,000 CFM* (cubic feet per minute)

Ready Time: Initial = 60 Seconds*

Fluid Capacity: 1.48 gallons (5.6 liters)

Fluid Consumption: ~0.338 oz/min (10 ml/min)*

Compatible Fluid: Atmosity Extreme Filtered Fog Fluid (AEF-4L)

*Values are approximate

CONSTRUCTION

Thermally Protected Heat Exchanger

Tour Ready Road Case with Handle

Rear Wiring for a Clean Setup

CONTROL

5 DMX Channel Modes (1 / 2 / 3 / 5 / 6)

Onboard LCD Touch Control Panel

DMX-512 and RDM Protocol Support

Supports Optional Aria X2 Wireless DMX Transceiver Module

Supports Optional MAGRF RF Remote and Wired Remotes

MagRemote VIDI

CONNECTIONS

Locking 5-pin XLR In & Out ports

IP65-rated Locking Power In Connector

With Wired Digital Communication Network

SIZE / WEIGHT

Length: 24.4 in. (619mm)

Width: 12.0 in. (304mm)

Height: 20.5 in. (521mm)

Weight: 69.5 lbs. (31.5kg)

ELECTRICAL

AC120V 60Hz (US Version)

AC230V 50Hz (EU Version)

16A @ 120VAC(NFB)

10A @ 230VAC - 240VAC

Max Power Consumption: 1500W

THERMAL

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

Exterior Surface Temperature, Steady State: 140°F (60°C)

APPROVALS / RATINGS

ETL | FCC | CE | UKCA | CB | RoHS



Specifications and documentation subject to change without notice.

