

MAGNETIC

SIDEWINDER



User Manual

US SKU#:
UPC#:

RSS160
810008261538

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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
10/15/20	1.0	1.0	1 / 4 / 7 Channels	Initial Release

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GENERAL INFORMATION

INTRODUCTION

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 product is intended to be used by professionally 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-locking power cable (x1)

CUSTOMER SUPPORT

Contact **MAGMATIC** customer 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 | Fax 323-832-9142 | sales@magmaticeffects.com

ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
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REPLACEMENT PARTS: Please visit parts.elationlighting.com



IMPORTANT NOTICE!

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 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.

NEVER POINT OR AIM A FOG MACHINE TOWARDS PEOPLE OR THEIR CLOTHING. THIS UNIT EMITS HOT VAPOR AND SHOULD BE USED WITH THE SAME CARE THAT YOU WOULD OBSERVE WHEN USING AN ELECTRIC KETTLE OR IRON.

LIMITED WARRANTY (USA ONLY)

A. Magmatic Effects hereby warrants, to the original purchaser, Magmatic products to be free of manufacturing defects in material and workmanship for a period of two years (730 days) from the original date of purchase. This warranty excludes discharge lamps and all product accessories. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service, send the product only to the Magmatic Effects factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Magmatic Effects will pay return shipping charges only to a designated point within the United States. If any product is sent, it must be shipped in its original package and packaging material. No accessories should be shipped with the product. If any accessories are shipped with the product, Magmatic Effects shall have no liability what so ever for loss and/or or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the product serial number and/or labels are altered or removed; if the product is modified in any manner which Magmatic Effects concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Magmatic Effects factory unless prior written authorization was issued to purchaser by Magmatic Effects; if the product is damaged because not properly maintained as set forth in the product instructions, guidelines and/or user manual.

D. This is not a service contract, and this warranty does not include any maintenance, cleaning or periodic check-up. During the periods as specified above, Magmatic Effects will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Magmatic Effects under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Magmatic Effects. All products covered by this warranty were manufactured after January 1, 1990, and bear identifying marks to that effect.

E. Magmatic Effects reserves the right to make changes in design and/or performance improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with the products described above. Except to the extent prohibited by applicable law, all implied warranties made by Magmatic Effects in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty periods set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said periods have expired. The consumer's and/or dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Magmatic Effects be liable for any loss and/or damage, direct and/or consequential, arising out of the use of, and/or the inability to use, this product.

G. This warranty is the only written warranty applicable to Magmatic Effects products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

WARRANTY RETURNS (USA ONLY)

To obtain warranty service, a Return Material Authorization (RMA) number must first be obtained from MAGMATIC. It is the Customer's responsibility to provide product proof of purchase and serial number by acceptable evidence such as an invoice copy or an approved MAGMATIC Extended Warranty Certificate ("EWC") and any relevant maintenance records at the time warranty service is sought. Failure to provide acceptable evidence of product proof of purchase or EWC and any relevant maintenance records may be cause for denial of warranty service.

Products returned for warranty service must be sent without any accessories (i.e., power, data, and safety cables, brackets, clamps, rigging hardware, frost filters, gel frames, barn doors, lenses, hoses, nozzles, rack mounting hardware, etc.), must be boxed using the original and/or suitable packaging materials (double-box and foam) that provides ample product protection for ground and/or air freight transit, and must be shipped freight pre-paid and insured to MAGMATIC in Los Angeles, CA or a MAGMATIC Authorized Service Center. The RMA number must be clearly written on the outside of the return box, and a brief description of the problem and the RMA number must be documented and included in the box.

Products returned for warranty service without an RMA number clearly marked on the outside of the package will be refused and returned to the shipper at the Customer's expense. Products returned for warranty service, which are received damaged due to inadequate and/or improper packaging and/or due to damage caused by the shipping carrier, may incur additional repair charges before warranty service begins and/or may void this warranty. If any product accessories (included and/or optional) are shipped with the product, MAGMATIC and/or the MAGMATIC Authorized Service Center shall have no liability what so ever for the loss and/or damage to any such accessories, nor the safe return thereof. If the requested warranty repairs or service (including parts replacement) are within the terms of this warranty, MAGMATIC will pay return ground transportation shipping charges to a single designated point within the United States.

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 rigging 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
DO NOT REMOVE THE COVER UNDER ANY CONDITIONS
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**

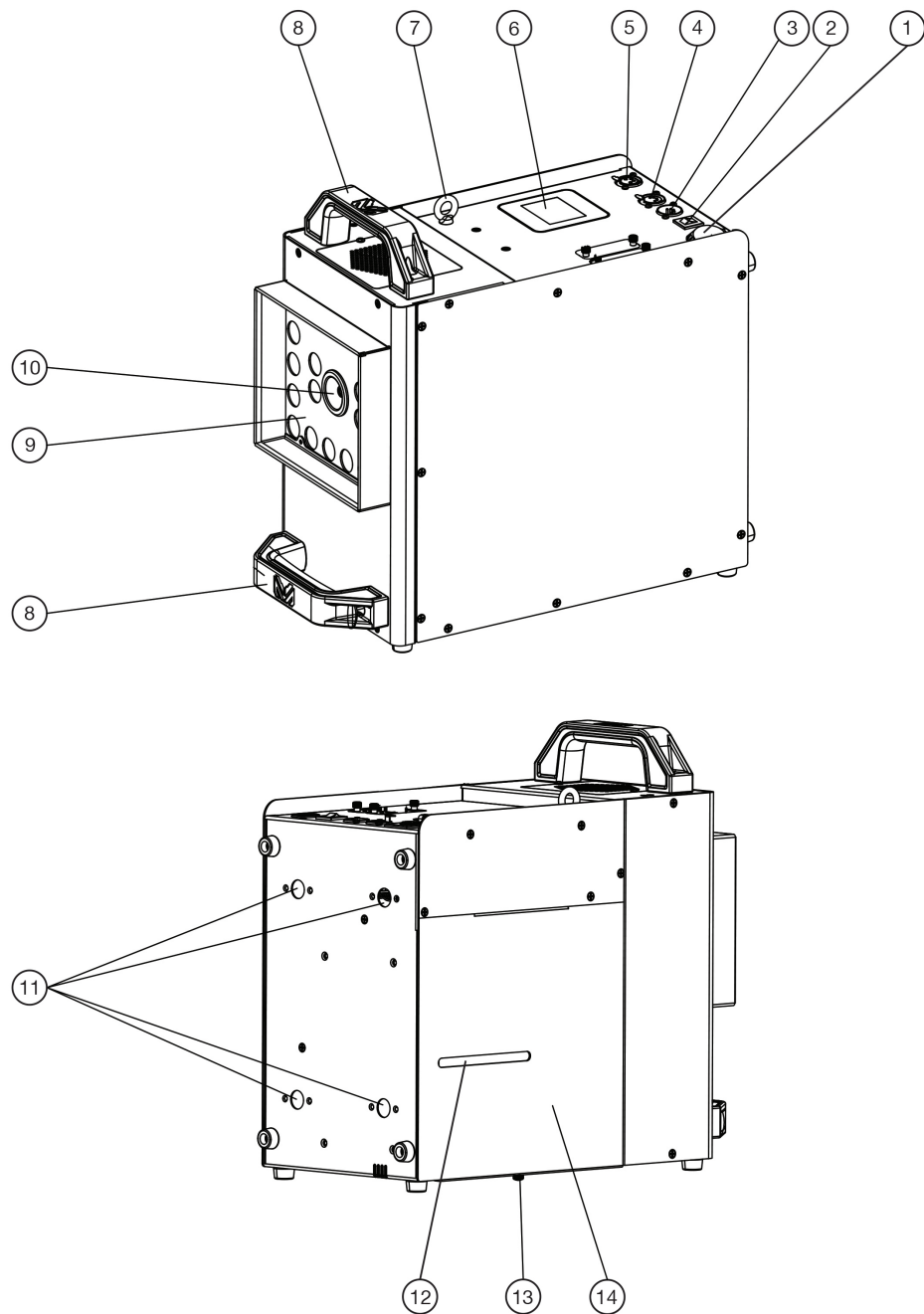


**FOR USE IN INDOOR / DRY LOCATIONS ONLY
DO NOT EXPOSE DEVICE TO RAIN AND/OR MOISTURE
PLACE UNIT IN A WELL VENTILATED AREA
ALLOW 40" (100CM) ABOVE AND AROUND THE UNIT FOR PROPER VENTILATION.**

SAFETY GUIDELINES

- **CAUTION: Fog machines may set off smoke alarms!**
- Do not attempt installation and/or operation of this device without proper knowledge of how to do so.
- Do not point or direct fog output in an unsafe direction.
- Do not touch the front nozzle while the machine is in operation, or immediately after the device has been shut down, as the nozzle may get hot during operation.
- Do not shake device, and avoid brute force when installing and/or operating.
- Be sure to save the packing carton in the unlikely event the device may have to be returned for service.
- Do not spill water or other liquids into or on to the device. Be sure that all the fog fluid is kept inside the fluid reservoir.
- Be sure that the local power outlet matches the required voltage for the device.
- Do not remove components or disassemble the device. There are no user-serviceable parts inside.
- Never connect this device to a dimmer pack.
- Do not attempt to operate this device if it has been damaged in any way.
- Never use this device with the cover removed.
- To reduce risk of electrical shock or fire, do not expose this device to rain or moisture.
- Do not attempt to operate this device if the power cord has been frayed, crimped, and/or damaged. Replace any damaged power cords with new cords of the same power rating.
- Do not remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Always disconnect from main power before making any connection, performing cleaning or maintenance, or adding or draining fluid.
- Always drain fluid before moving the device.
- Always be sure to mount this device in an area that will allow proper ventilation.
- Always disconnect power cords during long periods of non-use.
- This unit is intended for indoor use only. Use of this product outdoors voids all warranties.
- Always mount this unit in a safe and stable matter.
- Please route your power cord out of the way of foot traffic. Power cords should be routed so they are not likely to be walked on, or pinched by items placed upon or against them.
- The device should be serviced by qualified service personnel when:
 - The power cords or plugs have become damaged.
 - Objects have fallen on and/or liquid has spilled into the device.
 - The device has been exposed to rain and/or moisture.
 - The device does not operate normally or exhibits a marked change in performance.

OVERVIEW



- | | |
|----------------------------|--------------------------------|
| 1. Power In | 8. Carry Handles (x2) |
| 2. Breaker | 9. LED Array |
| 3. DMX In | 10. Fog Outlet |
| 4. DMX Out | 11. Mounting Clamp Points (x4) |
| 5. Wired Remote Port | 12. Tank Level Gauge |
| 6. Touch Display Screen | 13. Latch Screw |
| 7. Safety Cable Attachment | 14. Tank Access Panel |

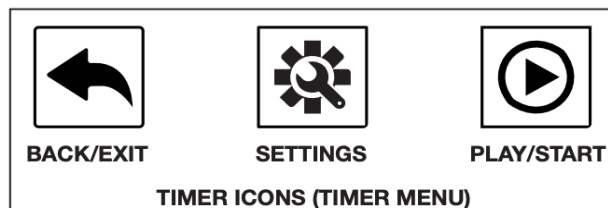
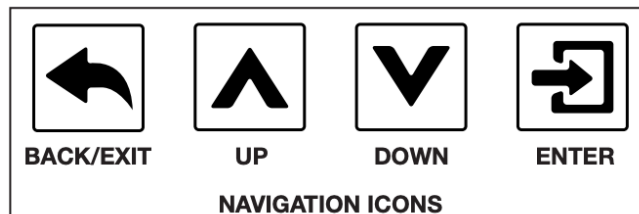
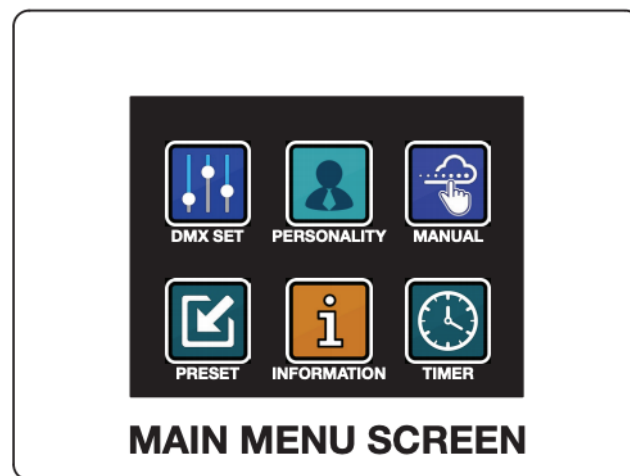
SET UP

1. Open the shipping carton and carefully remove the device.
2. Be sure to remove ALL the packing material, paying particular attention to the area around the fog outlet vent. Set the device on a flat dry surface.
3. **Make sure that the unit is disconnected from power.**
4. Unscrew the latch screw by hand. The latch screw is located on the back side of the unit, near the printed notice about the tank fluid. Open the tank access panel.
5. Remove the fluid reservoir tank from behind the tank access panel. Unscrew the tank cap and fill the reservoir with **MAGMATIC ATMOSITY fluid (SKU# AFF only)**, and replace the reservoir cap. Never run the device on anything other than an approved, MAGMATIC branded fluid, as doing so can result in severe damage to your device.
6. Screw the tank cap back on and place the fluid reservoir tank back behind the tank access panel. Be careful not to pinch, twist, or tangle the feed tube connected to the tank cap.
7. Close the tank access panel. Tighten the latch screw by pushing it down while rotating.
8. Connect the unit to a properly rated power source. Allow the fluid to warm up for at least nine (9) minutes before beginning fog emission.



CONTROL PANEL

This fixture includes a system menu with an easy to navigate touch screen control panel where all necessary settings and adjustments are made. When first powering on the fixture, the fixture's main menu will be displayed (**see Main Menu Screen below**).

Press the main menu icon 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.











SYSTEM MENU



	DMX SET	DMX ADDR	1 - 512		
		DMX MODE	1-CH		
			4-CH		
			7-CH		
	PERSONALITY	WiFi Set	Wifi Name		
			Wifi Passcode		
			Wifi IP		
			Wifi Port		
			Reset Network	Complete	
				Failed, try again	
			Wifi > DMX & Magfly	On / Off	Allows APP data to be converted to DMX data and then sent out via DMX port and Magfly
		LCD Set	Screen OFF	Never	
				10s	
				40s	
				1 min	
				2 min	
				5 min	
				10 min	
				20 min	
			Display Flip	0 deg / 180 deg	
		Magfly Set	Magfly Channel	0 - 14	When Magfly is not equipped, selecting this function causes "Optional Module Not Installed" to show on the screen.
			Magfly	ON / OFF	

CONTINUED ON NEXT PAGE

SYSTEM MENU

	PERSONALITY (cont'd from prev page)	MagRF Learn	Frequency Matching feature. Display will read "Connected" if connection attempt succeeds within 20 seconds. Otherwise, display will read "Connection Failed."	When Magfly is not equipped, selecting this function causes "Optional Module Not Installed" to show on the screen.
		Last State	Yes / No	When powered up, device adheres to last settings used before power was shut off
		Default	Yes / No	Restore to factory settings
	MANUAL		LED Off	
			Auto 1-4	
			Color 1-50	
			Intensity 0% - 100%	
	TIMER	Interval	0 - 2500 s	Start or pause device operation according to these values by pressure the Play/Start icon.
		Duration	0 - 250 s	
			LED Off	
			Auto 1-4	
			Color 1-50	
			Intensity 0% - 100%	
	PRESET	OPT Effect	OPT1	Adjusts fog hang time.
			OPT2	
			OPT3	
			OPT4	
CONTINUED ON NEXT PAGE				

SYSTEM MENU

	PRESET <i>(cont'd from prev page)</i>	LED Status	On	LED on
			Follow	LED illuminates in sync with fog output
			Off	LED off
		LED Bright	0% - 100%	
		LED Effect	Off	Special effects
			Random	
			Pulse	
			Strobe	
		LED Style	LED Off	Manual fogging effects
			Auto 1-4	
			Color 1-50	
		RF1 Style	LED Off	Wireless Remote Button 1
			Auto 1-4	
			Color 1-50	
		RF2 Style	LED Off	Wireless Remote Button 2
			Auto 1-4	
			Color 1-50	
RF3 Style	LED Off	Wireless Remote Button 3		
	Auto 1-4			
	Color 1-50			
RF4 Style	LED Off	Wireless Remote Button 4		
	Auto 1-4			
	Color 1-50			
	INFORMATION	State	Normal / Error	
		Slot 1	Null	
			MagFly	
			Wifi	
			MagRF	
		Slot 2	Null	
			MagFly	
			Wifi	
			MagRF	
CONTINUED ON NEXT PAGE				

SYSTEM MENU



INFORMATION (cont'd from prev page)

Last Control	LCD_auto	Displays current source of device control
	LCD_manual	
	DMX	
	Wifi	
	MagRF	
	MagRemote	
	Error	
MagRemote State	Yes / No	Displays whether remote control is connected
Wifi Connect	Null	No available Wifi source
	Phone	Mobile phone Wifi source
	Route	Router Wifi source
	No	Wifi module not installed
Wifi IP	Display shows "No" if Wifi module is not installed	
MagFly CH	0 - 14	
DMX Addr	1 - 512	
DMX Mode	1 / 4 / 7	
Timer Int	0s - 2500s	
Timer Dur	0s - 250s	
Heating	0% - 100%	
Heater State	Normal	
	Error	
	No Heat	
LCD Ver	V1.2	
Sftwr Ver	V1.0	

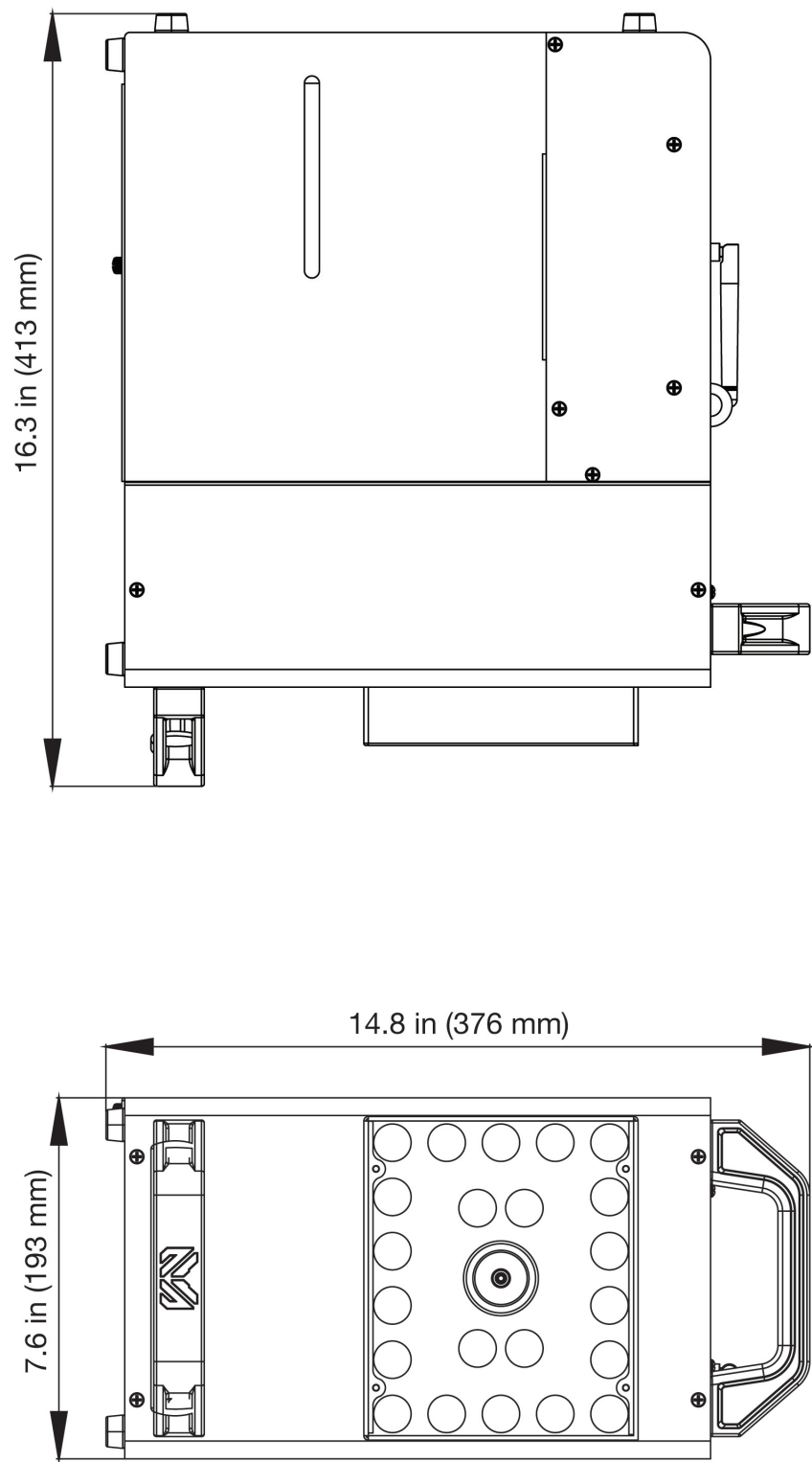
DMX CHANNEL FUNCTIONS & VALUES

CHANNEL			VALUES	FUNCTION
1-CH	4-CH	7-CH		
1	1	1		Fog
			000 - 009	Off
			010 - 127	LED On (1-second delay after start of fog burst)
			128 - 255	Max Fog Output, LED On
	2			Macro
			000 - 004	LED Off
			005 - 154	Macro 1 - Macro 50 (see Macro Table)
			155 - 180	Fog burst & lighting display loop (2s cycle)
			181 - 205	Fog burst & lighting display loop (1s cycle)
			206 - 230	Auto Mode 2
			231 - 255	Auto Mode 1
		2	000 - 255	Red, 0% - 100%
		3	000 - 255	Green, 0% - 100%
		4	000 - 255	Blue, 0% - 100%
		5	000 - 255	Amber, 0% - 100%
	3	6		Flash
			000 - 031	Off
			032 - 095	Random Strobe, slow to fast
			096 - 159	Pulse, effect in sequence
			160 - 255	Strobe effect, slow to fast
	4	7		Dimmer
			000 - 003	Off
			004 - 255	Dimmer, 1% to 100%

MACRO TABLE

MACRO NO.	DMX VALUES	MACRO NO.	DMX VALUES
1	005 - 007	26	080 - 082
2	008 - 010	27	083 - 085
3	011 - 013	28	086 - 088
4	014 - 016	29	089 - 091
5	017 - 019	30	092 - 094
6	020 - 022	31	095 - 097
7	023 - 025	32	098 - 100
8	026 - 028	33	101 - 103
9	029 - 031	34	104 - 106
10	032 - 034	35	107 - 109
11	035 - 037	36	110 - 112
12	038 - 040	37	113 - 115
13	041 - 043	38	116 - 118
14	044 - 046	39	119 - 121
15	047 - 049	40	122 - 124
16	050 - 052	41	125 - 127
17	053 - 055	42	128 - 130
18	056 - 058	43	131 - 133
19	059 - 061	44	134 - 136
20	062 - 064	45	137 - 139
21	065 - 067	46	140 - 142
22	068 - 070	47	143 - 145
23	071 - 073	48	146 - 148
24	074 - 076	49	149 - 151
25	077 - 079	50	152 - 154

DIMENSIONAL DRAWINGS



Dimensions may not be drawn to scale.

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

When storing your device, be sure to store in a cool area. Cover the device so that dust does not build up on the device. When storing for long periods of time it is highly advisable to run the device at least once every 3-4 months. Long periods of inactivity can severely shorten the life of your device. **Only run Magmatic's Atmosity fluid (SKU# AFF) through your machine.** Never run plain water, vinegar, or any other liquid solution through your device, as doing so will severely damage your device.

SPECIFICATIONS

PERFORMANCE

Rated Power: 1450W
Max Output: 50,000 CFM* (cu ft/min.)
Max Continuous Output: 10 Seconds @ Full
Max Throw Distance: 25 Feet
Initial Ready Time: 9 Minutes
Cycling Ready Time: 1 Minute
Fluid Capacity: 2.5L
Fluid Consumption: 180ml/min.

COMPATIBLE FLUID

Atmosity Flash Fog Fluid (AFF-4L)
Atmosity Extreme Filtered Fog Fluid (AEF-4L)

CONSTRUCTION

Thermally Protected Heat Exchanger
Advanced HPA (high pressure air) Pump Technology Energy Saving Mode with Auto-Clean Process Sealed Fluid Reservoir
External Visual Fluid Level Detection
Compact Light Weight Mobile Design

CONTROL

3 DMX Channel Modes (1 / 4 / 7)
Onboard LCD Touch Control Panel
DMX-512 and RDM Protocol Support
Optional E-FLY Wireless DMX Transceiver
Optional RF Wireless and Wired Remotes

CONNECTIONS

5-pin locking XLR, In/Out Data Connectors
IP65 Locking Input Power Connector
With Wired Digital Communication Network

SIZE / WEIGHT

Length: 16.25 in. (413mm)
Width: 7.59 in. (193mm)
Height: 14.8 in. (376mm)
Weight: 30.20 lbs. (13.7kg)

ELECTRICAL

Input Voltage: AC 100~120V, 230V, 240V 50/60Hz
9A (NFB) Resettable Breaker
Max Power Consumption: 1560W

THERMAL

Maximum Ambient Temperature (Ta max) 104°F (40°C)
Exterior Surface Temperature, Steady State: 140°F (60°C)

APPROVALS / RATINGS

CE | cETLus (pending) | IP20

Specifications are subject to change without notice.

