

# MAGNOMATIC

## THERMA TOUR 800



### User Manual

**US SKU#:**  
**UPC#:**

TST801  
810008261552

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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](http://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
09/30/20	1.0	1.0	1 / 3 Channels	Initial Release
12/15/20	2.0	1.0	1 / 3 Channels	Updated Dimensional Drawings & Specifications
06/06/22	3.0	1.0	1 / 3 Channels	Updated System Menu

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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)  
Haze outlet cap (x1)

## CUSTOMER SUPPORT

Contact **MAGMATIC** customer service for any product related service and support needs. Also visit [forums.elationlighting.com](https://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](mailto:sales@magmaticeffects.com)

**ELATION SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET**  
Voice: +31 45 546 85 63 | Fax: +31 45 546 85 96 | [support@elationlighting.eu](mailto:support@elationlighting.eu)

**REPLACEMENT PARTS:** Please visit [parts.elationlighting.com](https://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**



**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**



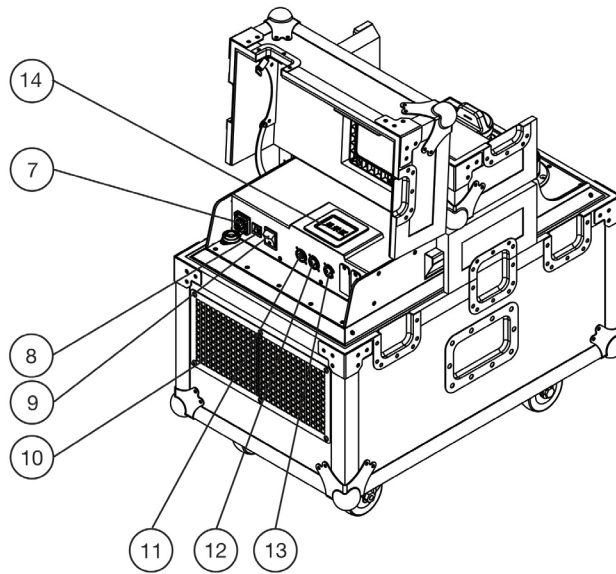
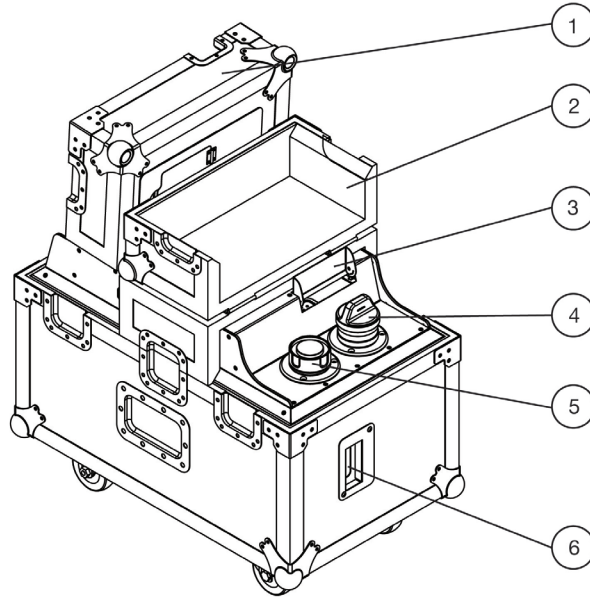
**FOR USE IN INDOOR / DRY LOCATIONS ONLY  
DO NOT EXPOSE DEVICE TO RAIN AND/OR MOISTURE  
PLACE UNIT IN A WELL VENTILATED AREA  
ALLOW 40" (100CM) ABOVE AND AROUND THE UNIT FOR PROPER VENTILATION.**

# 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 water.
- 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 manner.
- 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. Control Panel Lid      | 8. Breaker               |
| 2. Haze Outlet/Filler Lid | 9. Power Switch          |
| 3. Directional Blower     | 10. Cooling Vent         |
| 4. Haze Outlet w/ Cap     | 11. DMX In               |
| 5. Tank Fill              | 12. DMX Out              |
| 6. Tank Level Gauge       | 13. Wired Remote Port    |
| 7. Power In               | 14. Touch Display Screen |

# SET UP

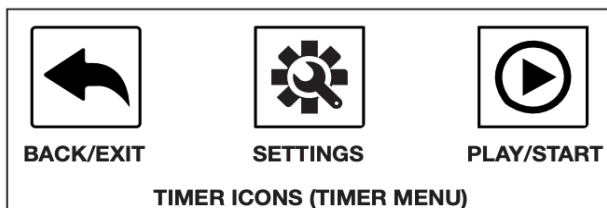
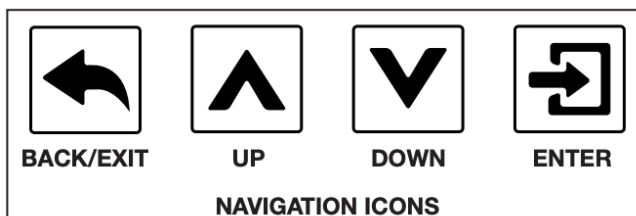
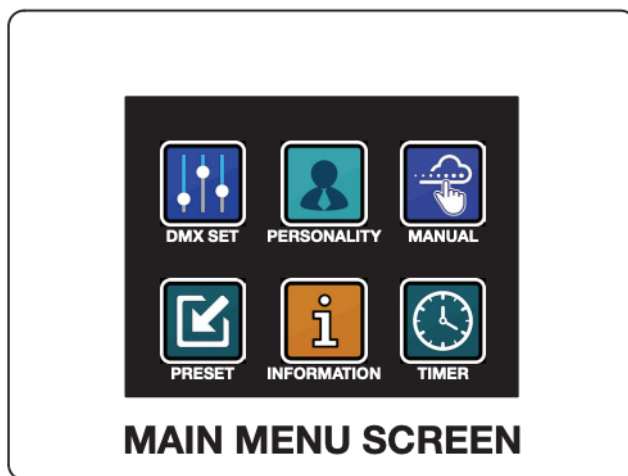
1. Open the shipping carton and carefully remove the device from the shipping carton.
2. Be sure to remove ALL the packing material, paying particular attention to the area around the fog outlet vent.
3. Set the device on a flat dry surface. Open the filler/outlet lid and unscrew the tank fill cap.
4. Fill the tank only with approved **ATMOSITY fluid (SKU# ARH and AAH 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.
5. Plug the device into a matching power supply and flip the power switch to the ON position.
6. After power is switched on, the device is immediately ready to emit haze. The device may be controlled manually or via DMX signal.

# CONTROL PANEL



This unit 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 machine, the 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 to the main menu at any time without making any adjustments by pressing the **BACK/EXIT** button.



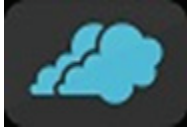




After 10 seconds of non-operation, the system will return to the “Ready to Fog” status screen.






# SYSTEM MENU

 <p><b>DMX SET</b></p>	DMX Addr	1 - 512		DMX address etting
	DMX Mode	1-Ch 3-Ch		DMX Mode Setting
 <p><b>PERSONALITY</b></p>	MagApp Set*	MagApp Name	0 - xxxxx	Displays name of phone when phone is connectedly to the device via MagApp
		MagApp Passcode	00000000 - 00009999	First four digits of password must be "0000". Enter the last four digits using the keypad. When "0000" is entered for the last four digits, the device will lock.
		MagApp ID	0 ~ 255.0 ~ 255.0 ~255.0 ~ 255	MagApp-IP display format is a combination of 4-digit 0-255 data
		MapApp Port	0 - 65535	Network port (tentative)
		MagApp Reset	Complete	MagApp module signal detected within 5s, reset is successful, returns to "MagApp Reset" screen after 2s
			Failed, try again	MagApp module signal not detected after 5s, reset has failed
MagApp > DMX & Magfly	On / Off	Enable or disable MagApp data to be converted to DMX data, then sent out via DMX port and E-Fly. Note: Disable when not in use to avoid interference with other functions.		
CONTINUED ON NEXT PAGE				


# SYSTEM MENU

 <p><b>PERSONALITY (continued)</b></p>	LCD Set	Screen OFF	Never	Set period of inactivity before screen turns off
			10s	
			40s	
			1min	
			2min	
			5min	
			10min	
			20min	
Magfly Set*	Magfly Channel	0 - 14	Magfly Channel setting	
	Magfly	On / Off	Magfly switch	
MagRF Learn*	Connected	MagRF module frequency matching		
	Connection Failed (fails to connect within 20s)			
Liquid LED	On / Off	Liquid level indicator LED switch		
Last State	Yes / No	Enable or disable device's ability to stay at the last step		
Default	Yes / No	Default Interface	Return the device to default factory settings	
 <p><b>MANUAL</b></p>	 Fog (100%)	 <p>Use triangle icon to start or stop</p>		
	 Wind (100%)			
 <p><b>TIMER</b></p>	Interval	0 - 2500s	 <p>Use triangle icon to start or stop</p>	
	Duration	0 - 250s		
CONTINUED ON NEXT PAGE				





# SYSTEM MENU

 <p><b>PRESET</b></p>	<b>Preset 1</b> Duration: 40 min Interval: 20 min Fog: 100% Fan: 100%		 <p>Use triangle icon to start or stop</p>
	<b>Preset 2</b> Duration: 30 min Interval: 15 min Fog: 100% Fan: 100%		
	<b>Preset 3</b> Duration: 20 min Interval: 10 min Fog: 100% Fan: 100%		
	<b>Preset 4</b> Duration: 10 min Interval: 5 min Fog: 100% Fan: 100%		
	<b>Preset 5</b> Duration: 5 min Interval: 5 min Fog: 100% Fan: 100%		
 <p><b>INFORMATION</b></p>	State	Normal / Error	Shows whether device is operating normally
	Slot 1	Null / Magfly / MapApp / MagRF	Shows what type of module is inserted in slot 1
	Slot 2	Null / Magfly / MapApp / MagRF	Shows what type of module is inserted in slot 2
	Last Control	LCD_auto / LCD_manual / DMX / MagApp / MagRF / MagRemote / Error	Current method of device control
	MagRemote State	Yes / No	Shows whether remote control is connected
<p>CONTINUED ON NEXT PAGE</p>			

# SYSTEM MENU

 <p><b>INFORMATION</b> (continued)</p>	MagApp Connect	Null	MagApp not connected to another device
		Phone	MagApp connected to phone
		Route	MagApp connected to router
		No	MagApp module not installed
	MagApp IP	No / 0 ~ 255, 0 ~ 255, 0 ~ 255, 0 ~ 255	Current IP set by the user
	MagFly Ch.	0 - 14	Current MagFly channel
	DMX Addr	1 - 512	Current DMX address
	DMX Mode	1 / 3	Current DMX mode
	Timer Output	100%	Fixed output 100%
	Timer Fan	100%	Fixed blower 100%
	Timer Int	0-2500s	Current timer interval setting
	Timer Dur	0-250s	Current timer duration setting
	LCD Ver	Vx.x	Current LCD version
	Sftwr Ver	Vx.x	Current software version

**\* NOTE:** When a module is not installed, navigating to a sub-menu related to that module's function will result in an "Optional Module Not Installed" message displayed on the screen.

MESSAGE SMALL ICONS		
	Icons displayed after inserting MagFly module	Left to right: weakest to strongest signal
	Icons displayed after inserting MagApp module	Left to right: weakest to strongest signal
	Icon displayed after inserting MagRF module	Icon appears if RF signal is present
	Icon displayed after connecting wired remote	Icon appears if remote wire is connected

# PRESET MODE

Preset Mode	Duration	Interval	Fog Output	Fan Intensity
1	40 min	20 min	100%	100%
2	30 min	15 min	100%	100%
3	20 min	10 min	100%	100%
4	10 min	5 min	100%	100%
5	5 min	5 min	100%	100%



PRESET SCREEN



## DMX TRAITS

CHANNEL		VALUES	FUNCTION
1-CH	3-CH		
1	1		<b>Fog</b>
		000 - 005	Off
		006 - 255	On
	2		<b>Duration</b>
		000 - 005	Off (0s)
		006 - 255	On, 1s - 250s (steps of 1s)
	3		<b>Interval</b>
		000 - 005	Off (0s)
		006 - 255	On, 10s - 2500s (steps of 10s)

## 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 ensure 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, it 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. It is highly advisable to run the machine at least once every 3-4 months when storing for long periods of time. Long periods of inactivity can severely shorten the life of your device. **Only run Magmatic's Atmosity fluid (SKU# ARH or AAH) 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

## KEY FEATURES

800 Watt low power consumption  
Over 35 hours of run time  
Haze lasting up to 3 hours after machine is off  
Rugged mobile road case design  
Soundproof insulation for indoor use

## DYNAMIC EFFECTS

Output: 5600 cu.ft / Min  
External Visual Fluid Level Detection

## COMPATIBLE FLUID

Atmosity ARH (Oil based fluid)

## CONSTRUCTION / PHYSICAL / PERFORMANCE

External Visual Fluid Level Detection  
Fluid Tank Capacity: 2.5L  
Fluid Consumption: 1.5ml / Min.

## CONTROL

2 Card Inputs  
RDM (Remote DMX)  
Control Protocol: DMX  
DMX Channels: 1,3  
DMX Modes: 2  
On-Board Timing Control  
5 Factory Presets  
4-Pin Wired Remote Input  
Touch Screen Display  
Manual Hazing

## CONNECTIONS

Data Connectors: 5-Pin XLR/Out, 4-Pin XLR Out  
Locking Power Connector

## SIZE / WEIGHT

Length: 24.45 in. (621.13mm)  
Width: 15.34 in. (389.63mm)  
Height: 16.33 in. (414.75mm)  
Weight: 93 lbs. (42kg)

## ELECTRICAL

Power Consumption: 820w  
Input Voltage: 120V, 230V, 240V, 50 & 60Hz  
Breaker Size: 15A (120V version)  
Breaker Size: 10A (230V version)

## THERMAL

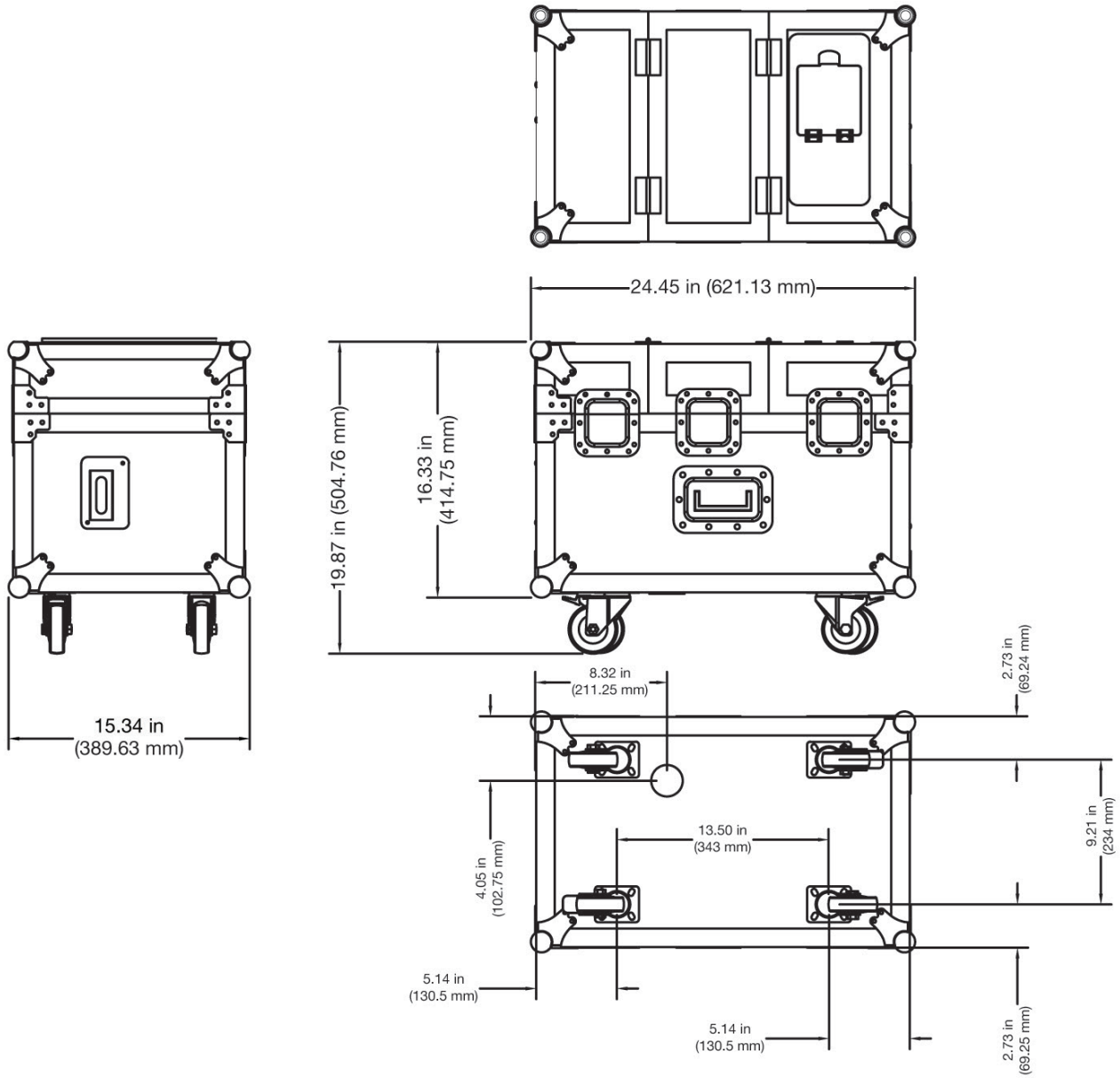
Maximum Temperature (Ambient): 104°F (40°C)  
Exterior Surface Temperature: 122°F (50°C)

## APPROVALS / RATINGS

CE | cETLus (pending)

**Specifications and documentation subject to change without notice.**

# DIMENSIONAL DRAWINGS



Dimensions may not be drawn to scale.



