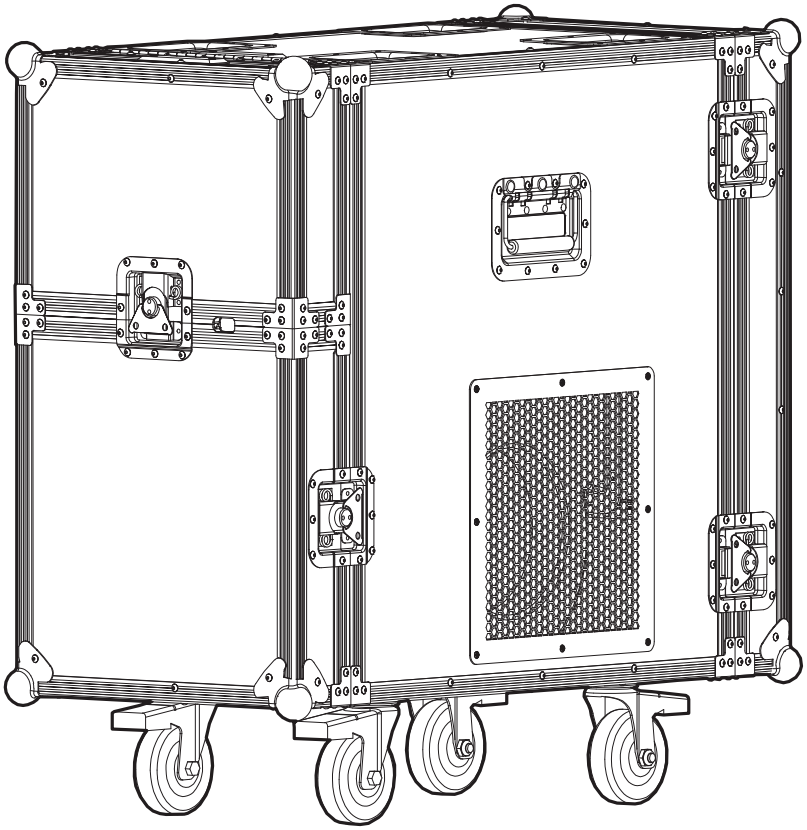

# ENTOUR PILEUS

## User Manual

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Europe Energy Saving Notice
Energy Saving Matters (EuP 2009/125/EC)
Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

## DOCUMENT VERSION

**Due to additional product features and/or enhancements, an updated version of this document may be available online.**
**Please check www.adj.com for the latest revision/update of this manual before beginning installation and/or programming.**

| Date | Document Version | Software Version | DMX Channels | Notes |
|---|---|---|---|---|
| 06/09/2026 | 1.0 | 1.1 | 1 / 2 / 4 Ch | Initial Release |
| 07/21/2026 | 1.1 | N/C | No Change | Updated: Intro, Features, Overview, Operation, Specifications |
| | | | | |

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# 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 for use 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 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.

**Parts:** To purchase parts online visit:
http://parts.adj.com (US)
http://www.adjparts.eu (EU)

**ADJ SERVICE USA** - Monday - Friday 8:00am to 4:30pm PST
Voice: 800-322-6337 I support@adj.com

**ADJ SERVICE EUROPE** - Monday - Friday 08:30 to 17:00 CET
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+52 (728) 282-7070

It is strongly recommended to power the fixture down completely when not in use. Doing so will reduce wear on the fixture due to sustained or extended operational periods, thereby maximizing its operational lifespan.

# INFORMATION

## PRODUCT REGISTRATION

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

**USA: https://www.adj.com/pages/warranty-information**

**EU: https://www.adj.eu/terms_and_conditions**

## PRODUCT REGISTRATION

To register your product, please visit the page below or scan the QR code.

**USA: https://www.adj.com/pages/product-warranty-registration**

# FEATURES

- Creates Thick Fog or thin Faze Output
- On Board Timer Control
- LCD Display with 4-button Control
- OVP - Over Voltage Protection
- 3 DMX Channel Modes :1CH, 2CH, 4CH
- Rugged Road Case Housing
- Heavy Duty Locking Casters

**INCLUDED ITEMS**

- Power Cable (x2)

# SAFETY PRECAUTIONS

**PROTECTION CLASS 1 - DEVICE MUST BE PROPERLY GROUNDED.**

**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 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.**

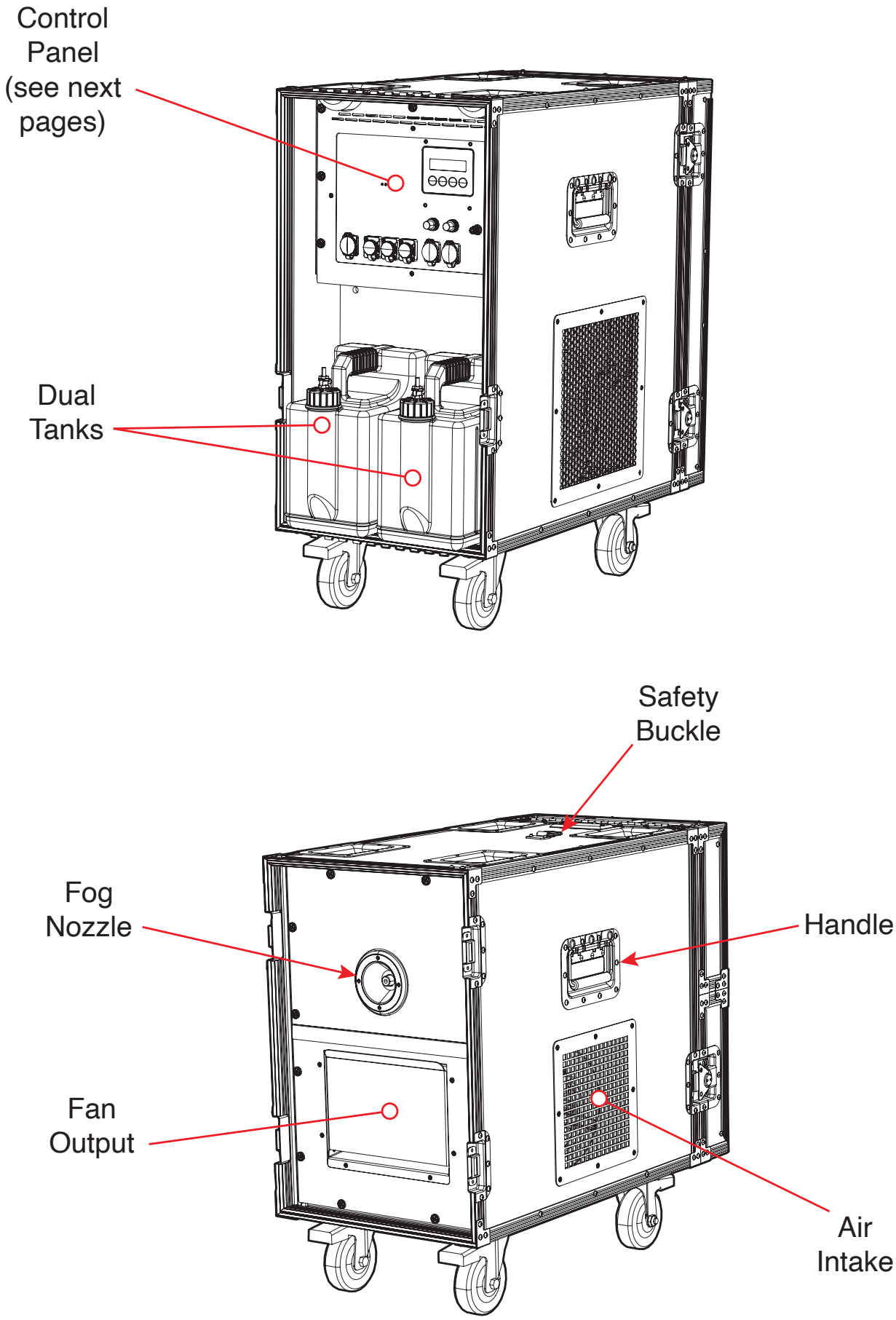
**DO NOT PLUG THIS UNIT INTO A DIMMER PACK**
**DO NOT REMOVE THE COVER FOR ANY REASON**
**KEEP UNIT IN AN UPRIGHT POSITION**
**NEVER OPERATE THIS UNIT WITH THE COVER REMOVED**
**UNPLUG FROM POWER DURING LONG PERIODS OF NON-USE**
**ENSURE TANK IS EMPTY BEFORE STORAGE OR TRANSPORT**
**DO NOT MOVE WHEN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

**MINIMUM DISTANCE FROM FRONT NOZZLE IS 39.3 INCHES (100CM)**
**MINIMUM DISTANCE OF FLAMMABLE MATERIALS FROM THE SURFACE IS 5 FEET (1.5 METERS)**
**MAXIMUM AMBIENT OPERATING TEMPERATURE IS 104°F (40°C)**

# SAFETY PRECAUTIONS

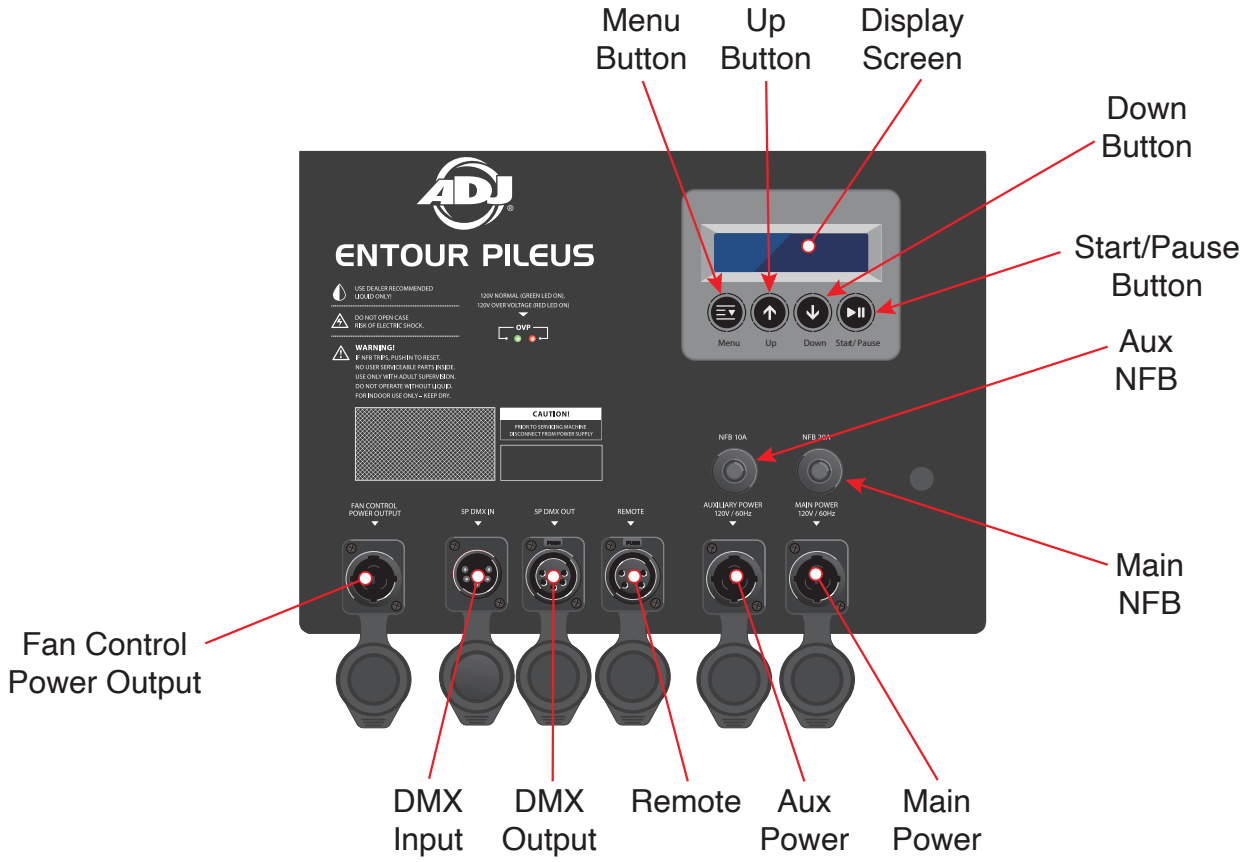
- Risk of burn, fire, or electric shock.
- For indoor use only.
- Please read the instruction manual carefully before use.
- Do not immerse in liquid.
- Not for space heating use.
- Never leave unit unattended while plugged in. Unplug device when not in use.
- Read all important safety instructions and cautions before attempting to use.
- Connect only to a properly grounded power outlet.
- Place product on a flat, level, HARD surface, connect the cord, and engage caster locks 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.
- Do not direct fog output in the direction of people or open flame.
- Minimum safe distance from the front of the nozzle is 39.3 inches (100cm).
- 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.
- 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.
- The power 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

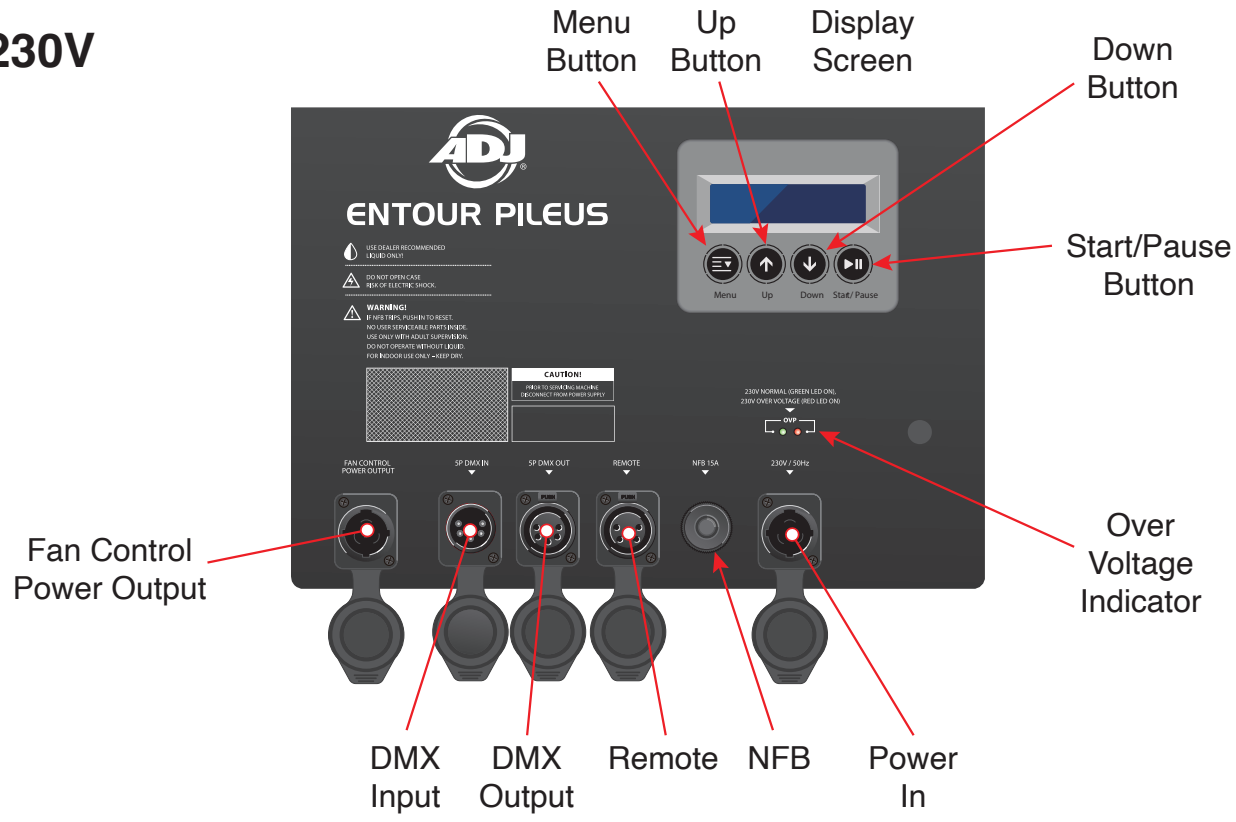

Control Panel (see next pages)
Dual Tanks
Safety Buckle
Fog Nozzle
Handle
Fan Output
Air Intake

# OVERVIEW

## 120V




## 230V



# INSTALLATION GUIDELINES

**DO NOT INSTALL THE DEVICE IF YOU ARE NOT QUALIFIED TO DO SO!**

Fixture MUST be installed following all local, national, and country commercial electrical and construction codes and regulations.

Maximum ambient operating temperature is ***104°F (40°C).*** Do not operate this device when ambient temperature is higher than this value.

Device should be installed away from walking paths, seating areas, or areas where unauthorized personnel might reach the fixture by hand.

It is strongly recommended to power the device down completely when not in use. Doing so will reduce wear on the fixture due to sustained or extended operational periods, thereby maximizing the fixture's operational lifespan.

**Objects and personnel should maintain a minimum distance of 39.3 inches (100cm) from the nozzle during operation. Do not touch the nozzle during or immediately after operation, as the nozzle reaches high temperatures and may remain hot to the touch even after the device has been switched off!**

Extension cords or longer detachable power supply cords are available and may be used if care is exercised in their use.

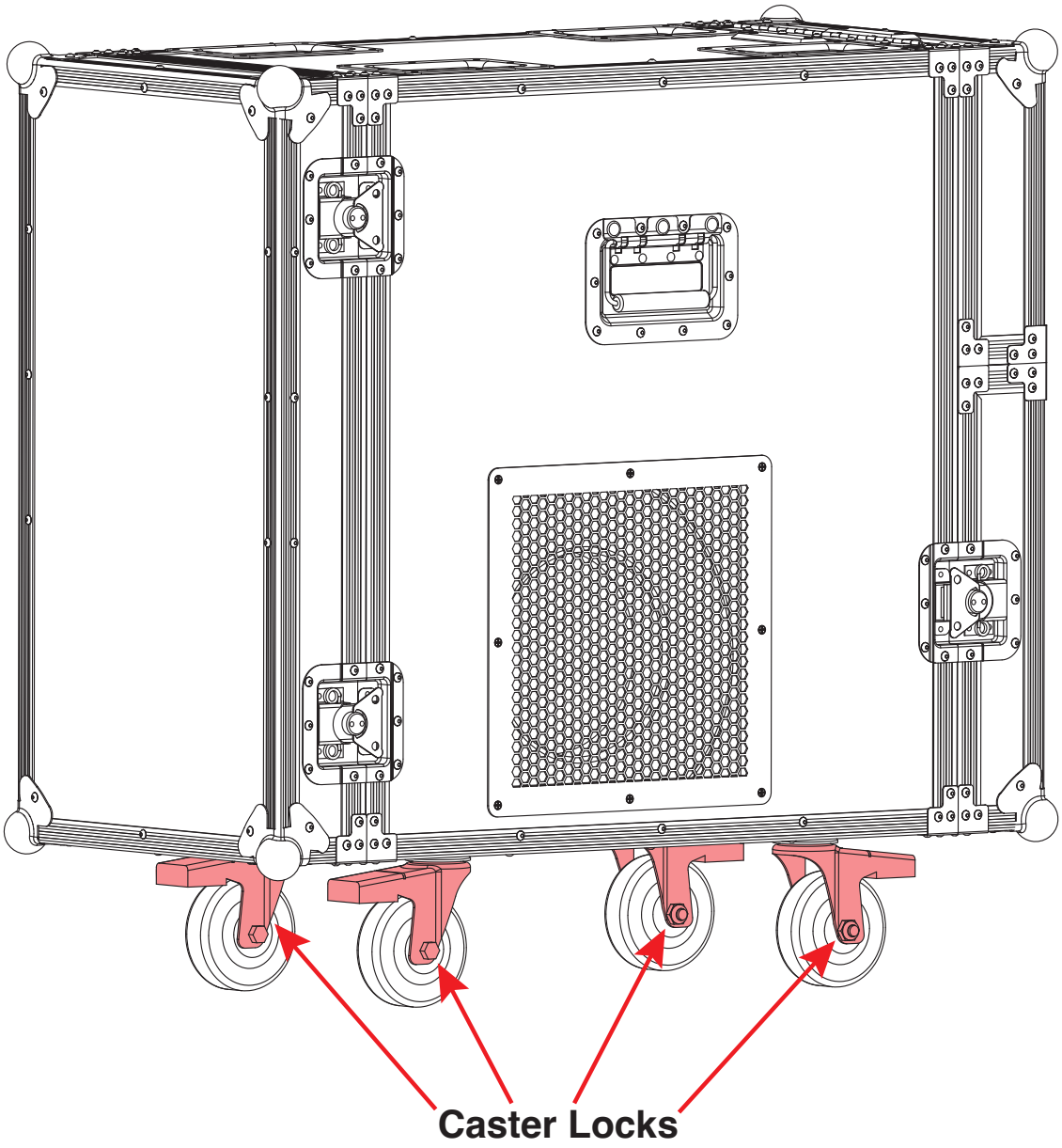
If an extension cord or longer detachable power supply cord is used:

- The marked electrical rating of the cord should be at least as great as the electrical rating of the appliance.
- If the appliance is of the grounded type, the extension cord should be a grounding-type 3-wire cord.
- The longer cord should be arranged so as not to drape over the counter or table top where it can be tripped over, snagged, or pulled on unintentionally, especially by children.

# INSTALLATION GUIDELINES

This device is housed in a durable flight case featuring heavy duty casters, allowing the device to be easily transported to any desired location. Once the device is in position, simply use the foot lever to engage the caster locks to prevent the device from rolling away.

**ALWAYS POSITION THE DEVICE ON A FLAT, DRY SURFACE.**



# OPERATION

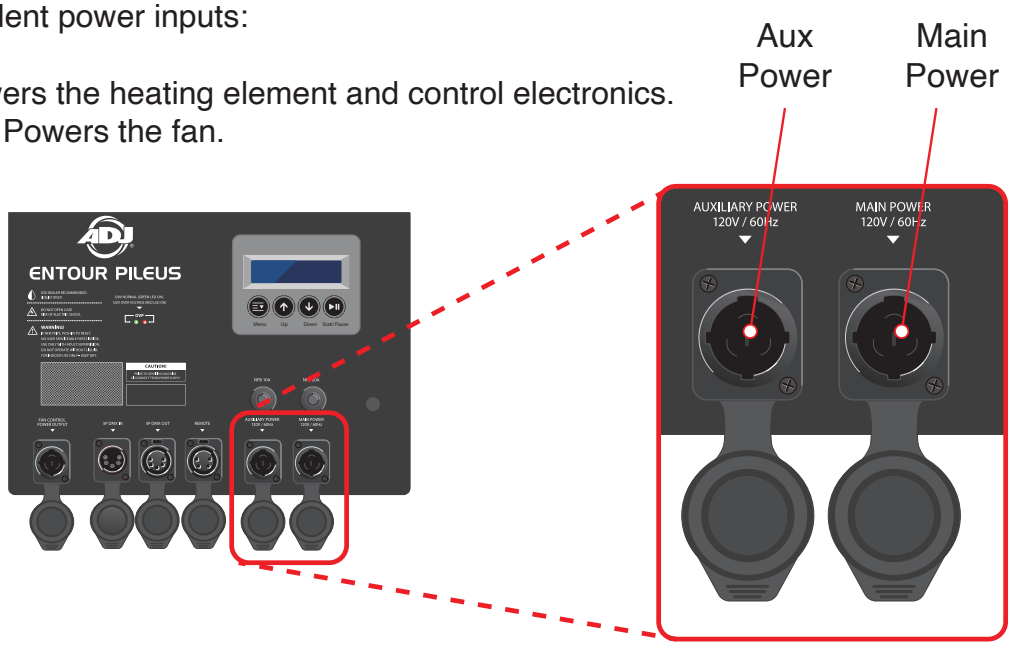
- When first unboxing, open the shipping carton and carefully remove the device. Be sure to remove ALL the packing material, paying particular attention to the area around the fog outlet vent.
- Always set up the device on a flat dry surface.
- Make sure that the unit is disconnected from power before adding any fluid to the tank.
- To access the fluid tank, open the access panel on the side opposite from the output nozzle. Two fluid tanks will be located below the control panel.
- To fill the tanks, remove them from the unit, then unscrew the tank caps and fill with fog fluid of the type recommended by the manufacturer. Re-install the caps before placing them back inside the unit.
- Connect one end of the feed hose to the fluid input port on the control panel, and the other end to one of the two fluid tanks. This unit is designed to operate on one tank at a time, and the user will need to manually switch the feed hose to the second tank when the first tank runs empty.
- Never run the device on anything other than an approved fluid, as doing so can result in severe damage to your device.
- When placing the tank back behind the access panel, be careful not to pinch, twist, or tangle the feed tube connected to the tank cap.
- After re-connecting the device to a power source and switching it on, allow the heating element to warm up for at least 16.5 minutes before beginning fog emission.
- The device relies on a no-fuse breaker (NFB) for protection against over voltage. In the event that the NFB trips, it can be reset by pressing the button on the control panel labeled “NFB 15A.” **If the NFB continues to trip repeatedly, discontinue use immediately.**

**PLEASE NOTE: THE 120V VERSION OF THIS DEVICE REQUIRES TWO SEPARATE, DEDICATED POWER INPUTS DUE TO THE POWER DEMANDS FOR FULL FUNCTIONALITY. USING ONLY A SINGLE POWER INPUT MAY CAUSE THE DEVICE TO RUN INCORRECTLY, OR RENDER SOME FUNCTIONS INOPERABLE.**

The unit has a maximum power consumption of approximately 2,150W, consisting of a 1,500W heating element, approximately 100W of control electronics, and a 550W fan. At full output, the unit draws approximately 17.9A at 120V, which exceeds the capacity of a standard 15A Edison (NEMA 5-15) circuit. To allow operation at full output using commonly available power sources, the unit is equipped with two independent power inputs:

- **Main Power Input:** Powers the heating element and control electronics.
- **Auxiliary Power Input:** Powers the fan.

This configuration distributes the electrical load across two separate 15A circuits, eliminating the need for a dedicated 20A circuit.



# OPERATION

**CONTINUOUS FOGGING**

1. From the main system menu, press the MENU button until you reach the Fog Continuous option.
2. Use the UP and DOWN buttons to toggle the Fog Continuous setting to ON.
3. Press the START/PAUSE button to begin continuous fog output. ***Please note that if the fog output is set to 100% in DMX mode, this will override the continuous fog function and simply run the device at full output until it runs out of fog fluid.***

**AUTO MODE FOGGING**

1. Begin by making sure the Fog Continuous option is set to OFF.
2. From the main system menu, press the MENU button until you reach the Volume option, then use the UP and DOWN buttons to adjust the desired fog output volume.
3. Press the MENU button again until you reach the Fan option, then use the UP and DOWN buttons to adjust the fan speed to the desired value.
4. Press the START/PAUSE button to begin fog output at the chosen Volume and Fan settings. If the fluid temperature drops too low, the device will automatically pause fog output until the fluid warms back up.
5. Press the START/PAUSE button again to stop the fog output. The device will enter Cleaning mode, and a cleaning message will be displayed on the screen. After 30 seconds, the device will display the “DMX Set Addr-xxx” message, indicating that it is ready to start running again.

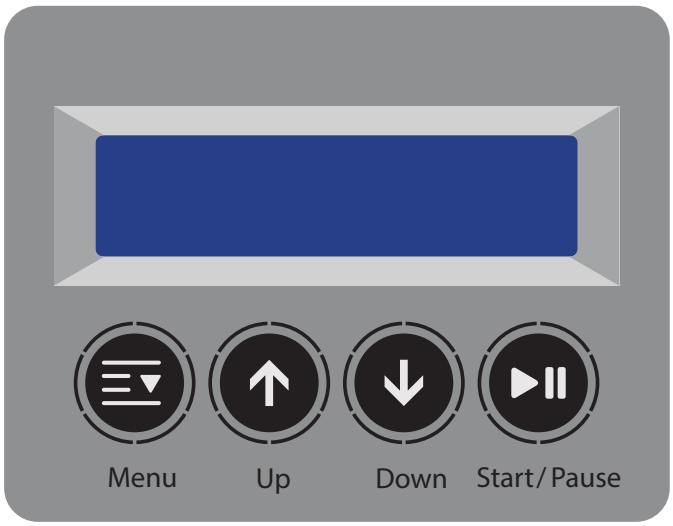
**TIMER OPERATION**

1. From the main system menu, press the MENU button until you reach the Timer option, then use the UP and DOWN buttons to toggle the Timer setting to ON.
2. Press the MENU button again until you reach the Duration option, then use the UP and DOWN buttons to adjust the fog output duration to the desired value.
3. Press the MENU button again until you reach the Interval option, then use the UP and DOWN buttons to adjust the fog interval to the desired value.
4. Press the START/PAUSE button to begin outputting fog using the parameters that were set in the steps above.
5. Press the START/PAUSE button again to stop the fog output. The device will enter Cleaning mode, and a cleaning message will be displayed on the screen. After 30 seconds, the device will display the “DMX Set Addr-xxx” message, indicating that it is ready to start running again.

# CONTROL PANEL

This unit features a display screen with a 4-button control pad, which can be used to easily adjust any device settings.

Pressing the MENU button will cycle through the various Main Menu options. When the desired Main Menu option is displayed on the screen, press the START/PAUSE button to enter the sub-menu, then use the UP and DOWN buttons to scroll through sub-menu options. In some cases, there will be a second sub-menu that can be navigated in the same way. Press MENU at any time to exit without making changes.



# SYSTEM MENU

| MAIN MENU | OPTIONS / VALUES (Default Settings in **BOLD**) | DESCRIPTION |
|---|---|---|
| DMX Address | **1** - 512 | Set DMX address. Note: Press UP + DOWN at the same time to return to a value of 1. |
| DMX Channel Mode | **1ch** | Select DMX channel mode |
| | 2ch | |
| | 4ch | |
| Volume | **5** - 100% | Set fog output volume |
| Fan Speed | **5** - 100% | Set fan speed |
| Timer | On / **Off** | Enable or disable timer function |
| Duration | **3s** - 250s | Set the period of time during a fog output cycle where the device is emitting fog |
| Interval | **5s** - 250s | Set the period of time during a fog output cycle where the device is not emitting fog |
| Fog Continuous | On / **Off** | Set the device to continuously emit fog |

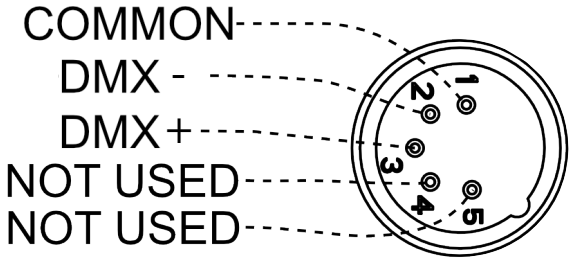
# DMX SET UP

**DMX-512:** DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a DATA “OUT” terminal).

**DMX Linking:** DMX is a language allowing all makes and models of different manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, try to use the shortest cable path possible when linking several DMX fixtures. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line: at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

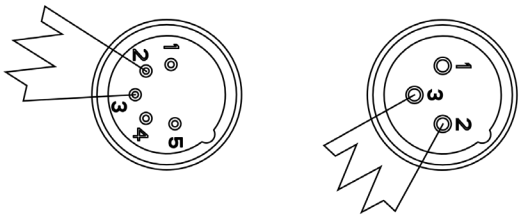
**Data Cable (DMX Cable) Requirements (For DMX Operation):** This unit can be controlled via DMX-512 protocol. The DMX address is set on the control panel of the unit. Your unit and your DMX controller require a standard 5-pin XLR connector for data input and data output. We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male XLR connector at one end and a female XLR connector at the other. Also remember that DMX cable must be daisy chained and cannot be split.

***Notice:*** Be sure to follow the illustration below when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.



# DMX SET UP

***Special Note: Line Termination.*** When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will reduce the risk of erratic behavior.




A DMX512 terminator reduces signal errors, avoiding most signal reflection interference. Connect PIN 2 (DMX-) and PIN 3 (DMX+) of the last fixture in series with a 120 Ohm, 1/4 W Resistor to terminate the DMX512.

**DMX ADDRESSING.**

All fixtures should be given a DMX starting address when using a DMX controller, so the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to “listen” to the digital control signal sent out from the DMX controller. The assignment of this starting DMX address is achieved by setting the correct DMX address on the digital control display on the fixture.

You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each individual fixture. Setting all fixtures to the same DMX address will cause all fixtures to react in the same way. In other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will start to “listen” to the channel number you have set, based on the quantity of DMX channels of each fixture. That means changing the settings of one channel will only affect the selected fixture. For example, when this unit is operating in 2 channel mode, you should set the starting DMX address of the first unit to 1, the second unit to 3 (1 + 2), the third unit to 5 (1 + 2 + 2), and so on. See the chart below for more details.

| CHANNEL MODE | UNIT 1 ADDRESS | UNIT 2 ADDRESS | UNIT 3 ADDRESS | UNIT 4 ADDRESS |
|---|---|---|---|---|
| **1Ch** | 1 | 2 | 3 | 4 |
| **2Ch** | 1 | 3 | 5 | 7 |
| **4Ch** | 1 | 5 | 9 | 13 |

# DMX TRAITS

| Features subject to change without notice | | | | |
|---|---|---|---|---|
| MODE / CHANNELS | | | VALUES | FUNCTION |
| 1Ch | 2Ch | 4Ch | | |
| 1 | | | | **Combined Volume and Fan** |
| | | | 000 - 004 | Volume = 0%, Fan = 5% |
| | | | 005 - 239 | Volume = 5% - 99%, Fan = 100% |
| | | | 240 - 250 | Volume = 100%, Fan = 100% |
| | | | 251 - 255 | Volume = 100%, Fan = 0% (Fog Continuous Mode ignored) |
| | 1 | 1 | | **Volume** |
| | | | 000 - 004 | 0% |
| | | | 005 - 239 | 5% - 99% |
| | | | 240 - 255 | 100% |
| | 2 | 2 | | **Fan** |
| | | | 000 - 015 | 5% |
| | | | 016 - 255 | 6% - 100% |
| | | 3 | | **Duration** |
| | | | 000 - 007 | 3s |
| | | | 008 - 255 | 3s - 250s |
| | | 4 | | **Interval** |
| | | | 000 - 009 | 0s |
| | | | 010 - 255 | 5s - 250s |

# MAINTENANCE GUIDELINES

**DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!**

**CLEANING**

Frequent cleaning is recommended to ensure proper function, optimized output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky, or particularly dirty environments can cause greater accumulation of dirt on the device. Clean the external surface regularly with a soft cloth to avoid dirt/debris accumulation.

**NEVER** use alcohol, solvents, or ammonia-based cleaners.

**MAINTENANCE**

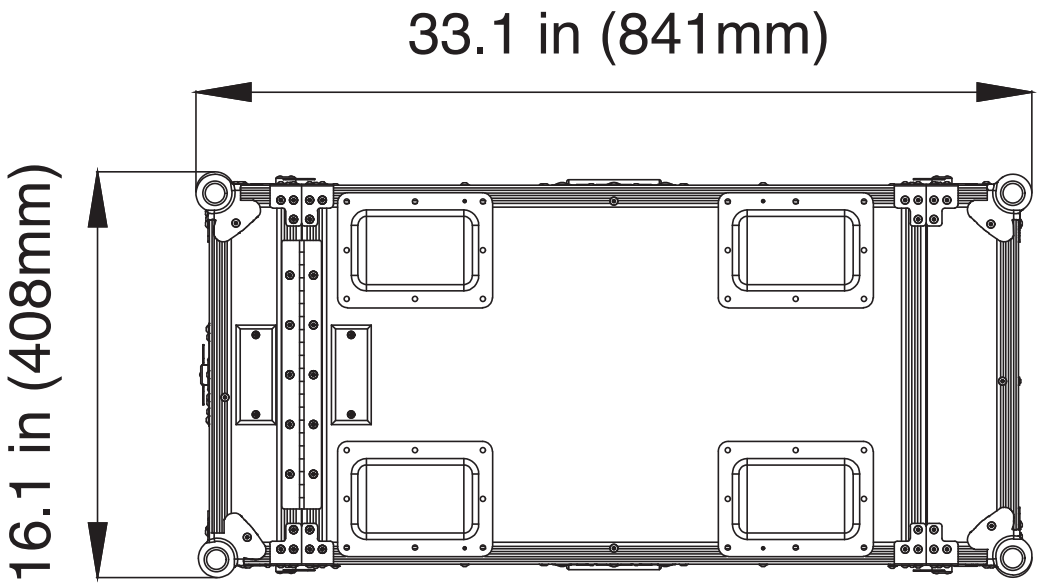
Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this device. Please refer all other service issues to an authorized ADJ service technician. Should you need any spare parts, please order genuine parts from your local ADJ dealer.

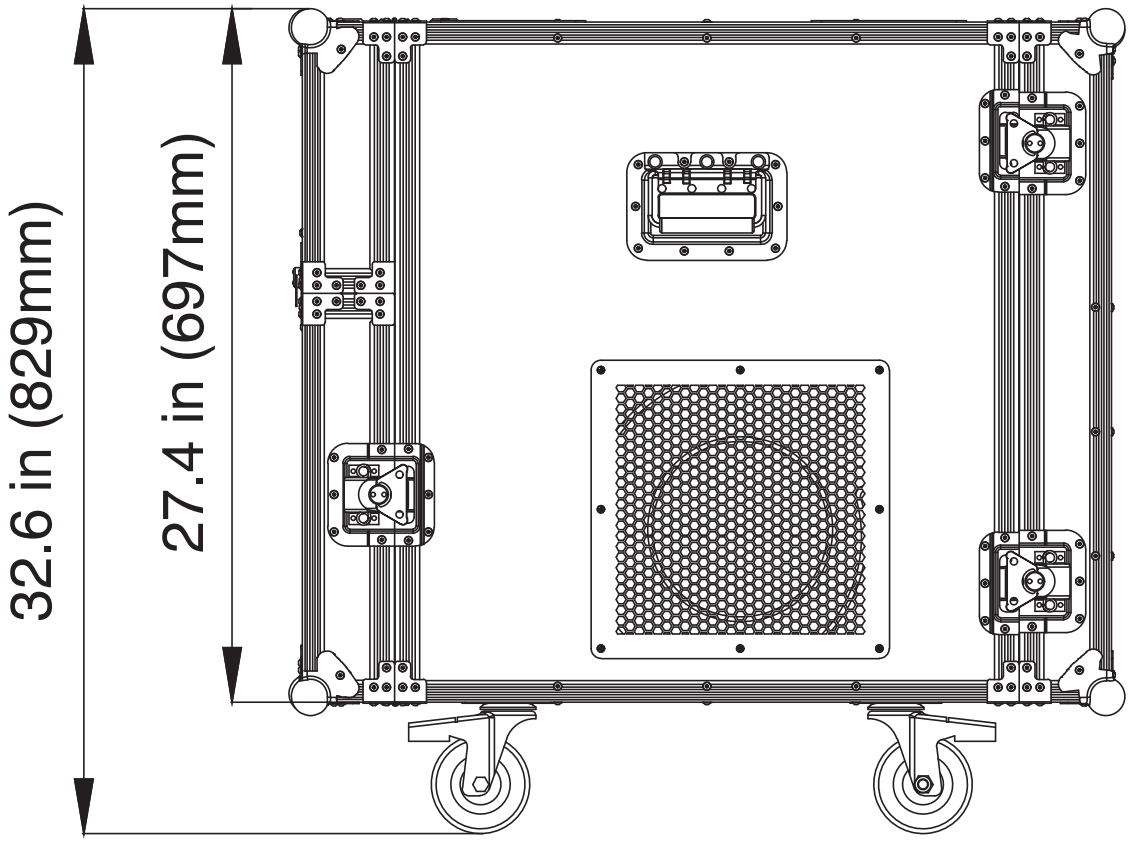
Please refer to the following points during routine inspections:

A. A detailed electrical check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating.
B. Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury.
C. Electric power supply cables must not show any damage, material fatigue, or sediments.

**NEVER** remove the ground prong from the power cable.

# DIMENSIONAL DRAWINGS



# SPECIFICATIONS

**Features:**
- Creates Thick Fog or thin Faze Output
- On Board Timer Control
- Remote controller connectors 4-pin XLR
- LCD Display with 4-button Control
- OVP - Over Voltage Protection
- 3 DMX Channel Modes :1CH, 2CH, 4CH
- Rugged Road Case Housing
- Heavy Duty Locking Casters

**Performance:**
- Fog Output (cu.ft/min) 60000
- Fluid Consumption Rate: Max. 180ml/min., Min. 38ml/min
- Fog Output Adjustment 5-100%
- Fan Speed Adjustment 5-100% “Fan can be disconnected”
- Max Output Duration (sec.) “Continuous mode off” 35s
- Continuous mode Option- Automatically Adjusts output to allow for longer burst
- Self-cleaning Duration (sec.) 30s
- Warm-up Time (min) 16.5

**Physical:**
- Tank: Dual 5.6L tanks
- 5-Pin DMX IN/Out Data Connections
- Locking Power Input Connection
- Power Input: 120V~60Hz (US) / 230V~50Hz (EU)
- Heater Power 1500W
- Max Consumption: 2150W
- Fan Cooled
- Max Ambient Temp.(Ta) 40°C
- Dimensions (LxWxH): 33.1” x 16.1” x 32.6” / 841mm x 408mm x 829mm (wheels included)
- Weight: 139 lbs. / 63 kg

**Certifications**
- CE I cETLus I FCC

Intertek
5011471

*Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.*

# ORDERING INFORMATION

| SKU (US) | SKU (EU) | DESCRIPTION |
|---|---|---|
| ENT280 | 1411100035 | ADJ Entour Pileus |

# FCC STATEMENT

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.

**Energy Saving Matters (EuP 2009/125/EC)**
Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!