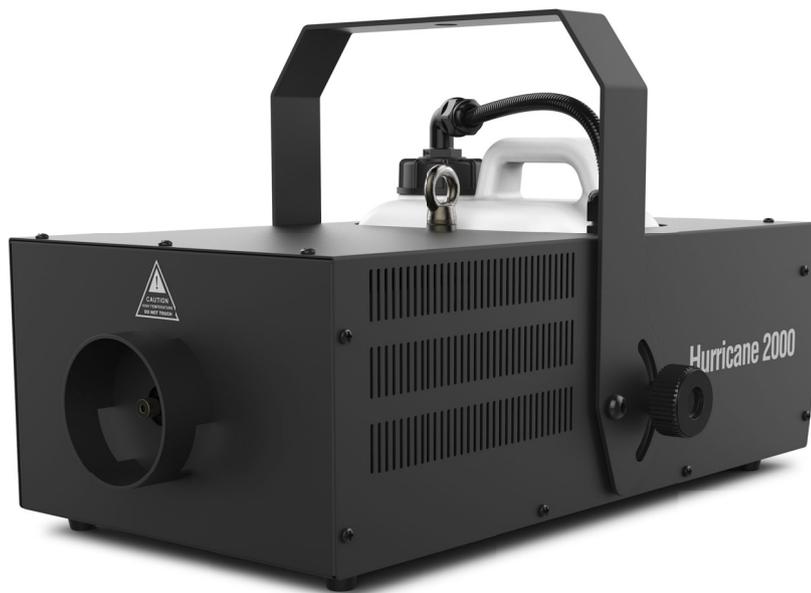


# Hurricane 2000

## User Manual



## Edition Notes

The Hurricane 2000 User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Hurricane 2000 as of the release date of this edition.

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### Document Printing

For best results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure the printer to scale the content accordingly.

### Intended Audience

Any person installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

### Disclaimer

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### Document Revision

Go to [www.chauvetdj.com](http://www.chauvetdj.com) for the latest version.

Revision	Date	Description
4	06/2025	Updated format. Added new Maintenance notice.

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# 1. Before You Begin

## What Is Included

- Hurricane 2000
- Power cable
- Quick Reference Guide

## Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

## Claims

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate a claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

## Text Conventions

Convention	Meaning
<b>1–512</b>	A range of values
<b>50/60</b>	A set of values of which only one can be chosen
<b>Settings</b>	A menu option not to be modified
<b>&lt;ENTER&gt;</b>	A key to be pressed on the product's control panel
<b>ON</b>	A value to be entered or selected

## Symbols

Symbol	Meaning
	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.

### Safety Notes

These Safety Notes include important information about installation, use, and maintenance of the Hurricane 2000.

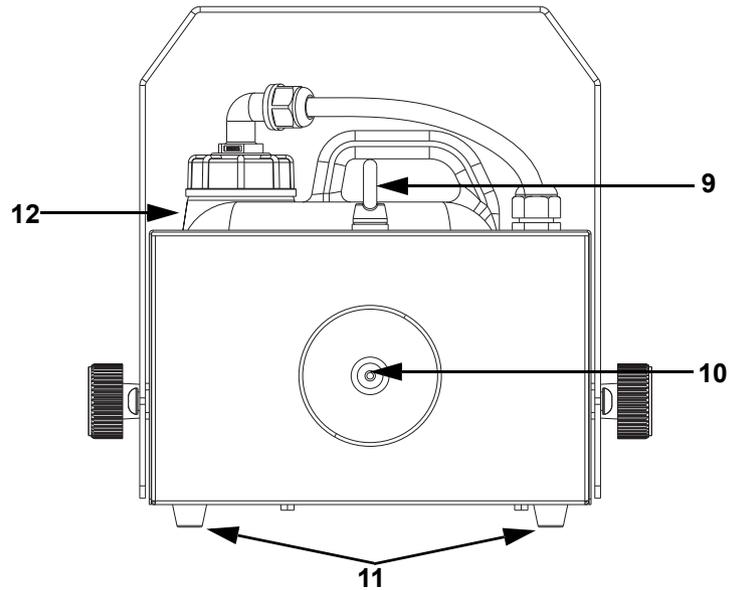
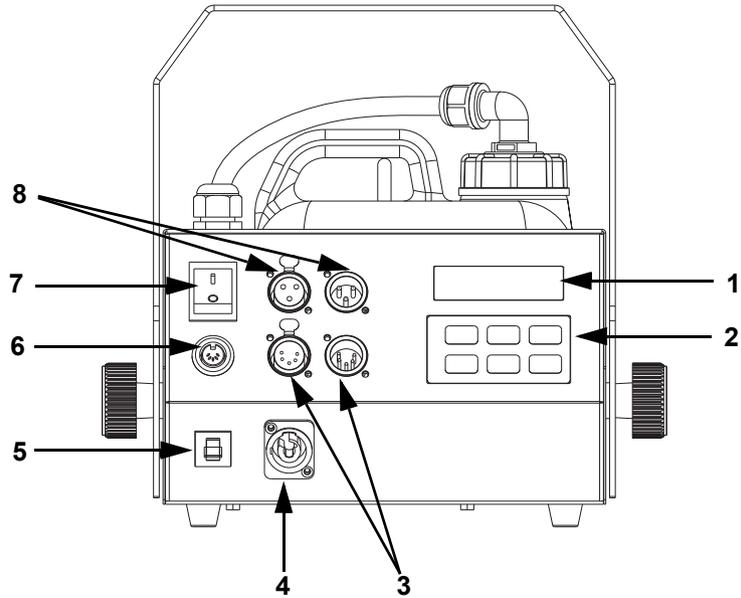
- **ALWAYS:**
  - ◆ Connect to a grounded circuit.
  - ◆ Connect to operating voltages as specified on the product's spec sticker.
  - ◆ Disconnect from power before replacing the fuse.
  - ◆ Disconnect from its power source during periods of inactivity.
  - ◆ Use a safety cable when suspending overhead.
  - ◆ Heed all restrictions and warnings on the spec sticker.
  - ◆ Mount in a location with at least 20 in (50 cm) of ventilation.
  - ◆ Replace the fuse with the same type and rating.
  - ◆ Use Chauvet fluids.
  - ◆ Drain the tank before transporting or storing the product.
  - ◆ Keep the machine level.
  - ◆ Clean the machine after every use.
  - ◆ Clean around the product during and after use, as surfaces may become slippery.
- In the event of a serious operating problem, stop using immediately.
- All fog/haze machines may set off smoke detectors.
- **DO NOT:**
  - ◆ Open this product or attempt any repairs. It contains no user-serviceable parts.
  - ◆ Use if the power cable is crimped or damaged.
  - ◆ Disconnect by pulling on the power cable.
  - ◆ Allow flammable materials close to the product when it is operating.
  - ◆ Touch the housing when it is on.
  - ◆ Block any ventilation holes/slots in the housing.
  - ◆ Connect to a dimmer or rheostat.
  - ◆ Carry the product by its power cable.
  - ◆ Operate in temperatures higher than 104°F (40°C).
  - ◆ Expose to environments that exceed the Ingress Protection (IP) rating.
  - ◆ Expose to rain or moisture.
  - ◆ Use outdoors.
  - ◆ Submerge.
  - ◆ Set this product on a flammable surface.
  - ◆ Touch the output nozzle. It may be hot for several hours after use.
  - ◆ Drink the fluid.
  - ◆ Add perfume, alcohol, gasoline or any other chemical to the fluid.
  - ◆ Use for space-heating purposes.
  - ◆ Leave machine unattended.
  - ◆ Overfill.



**Keep this User Manual for future use. If the product is sold to someone else, be sure that they also receive this document.**

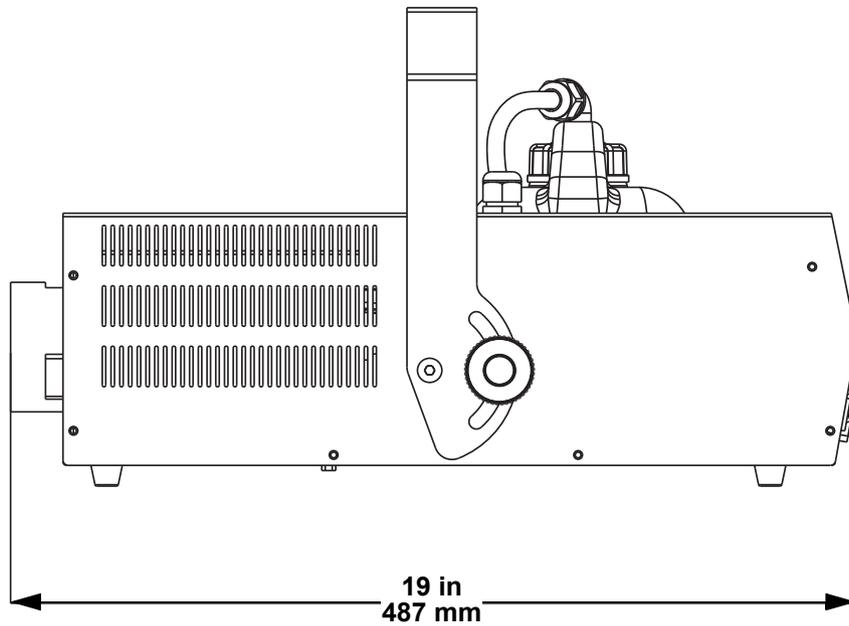
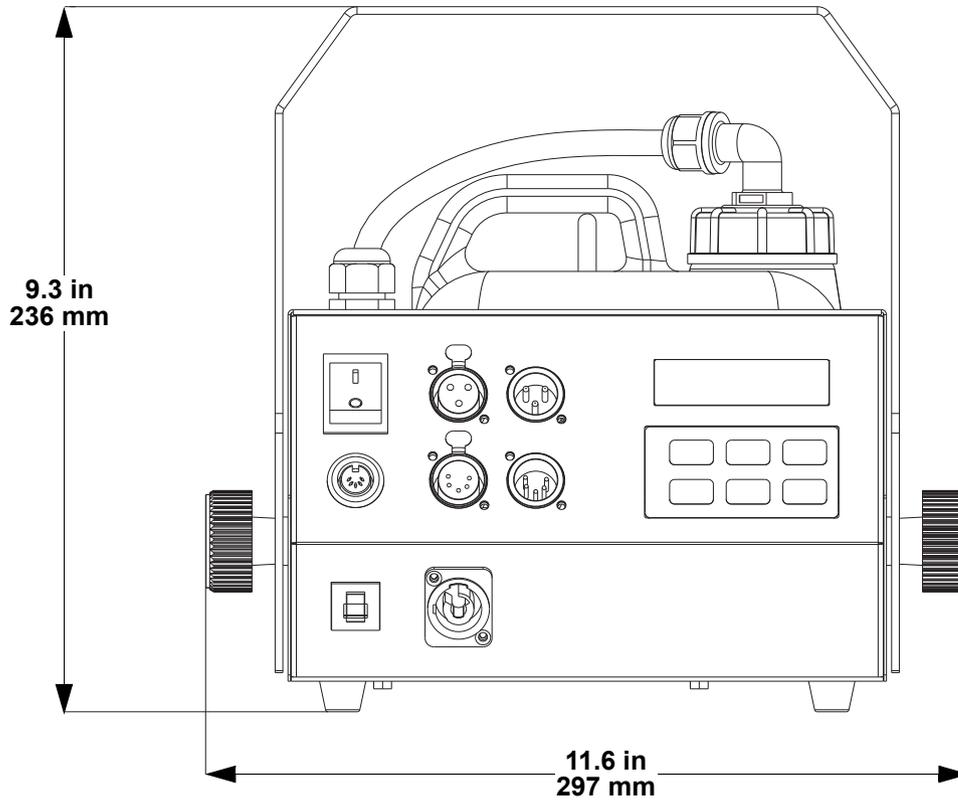
## 2. Introduction

### Product Overview



#	Name	#	Name
1	LED display	7	Power switch
2	Menu buttons	8	3-pin DMX in/out
3	5-pin DMX in/out	9	Safety loop
4	Power in	10	Nozzle
5	Breaker	11	Rubber feet (x4)
6	Remote connection	12	Fluid tank

Product Dimensions



## 3. Setup

### AC Power

The Hurricane 2000 has a fixed voltage power supply, and it can work with an input voltage range of either 120 VAC, 60 Hz or 220 VAC, 50 Hz, depending on the specific model.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart.

The listed current rating indicates the product's average current draw under normal conditions.



- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**



**Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

### Resetting the Breaker

This product is equipped with a resettable circuit breaker. If the breaker trips, all sections of this product will lose power.

1. Remove the power cord from main power.
2. Allow unit to cool for 15 minutes.
3. After 15 minutes, user may attempt to reset the breaker by pressing the button with their finger.
4. Plug the product's power cord into the power outlet and continue using as recommended.



**While operating the Hurricane 2000, make sure there is adequate fog fluid in the machine to prevent pump and heater damage. When the fog fluid level becomes low, simply add more fog fluid to continue using the Hurricane 2000.**

**It is recommended to use the following compatible fluids when operating the Hurricane 2000: FJU, FCQ, HDF, QDF.**



**This product may NOT be tilted. This product should be level when on a surface.**

## Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#).

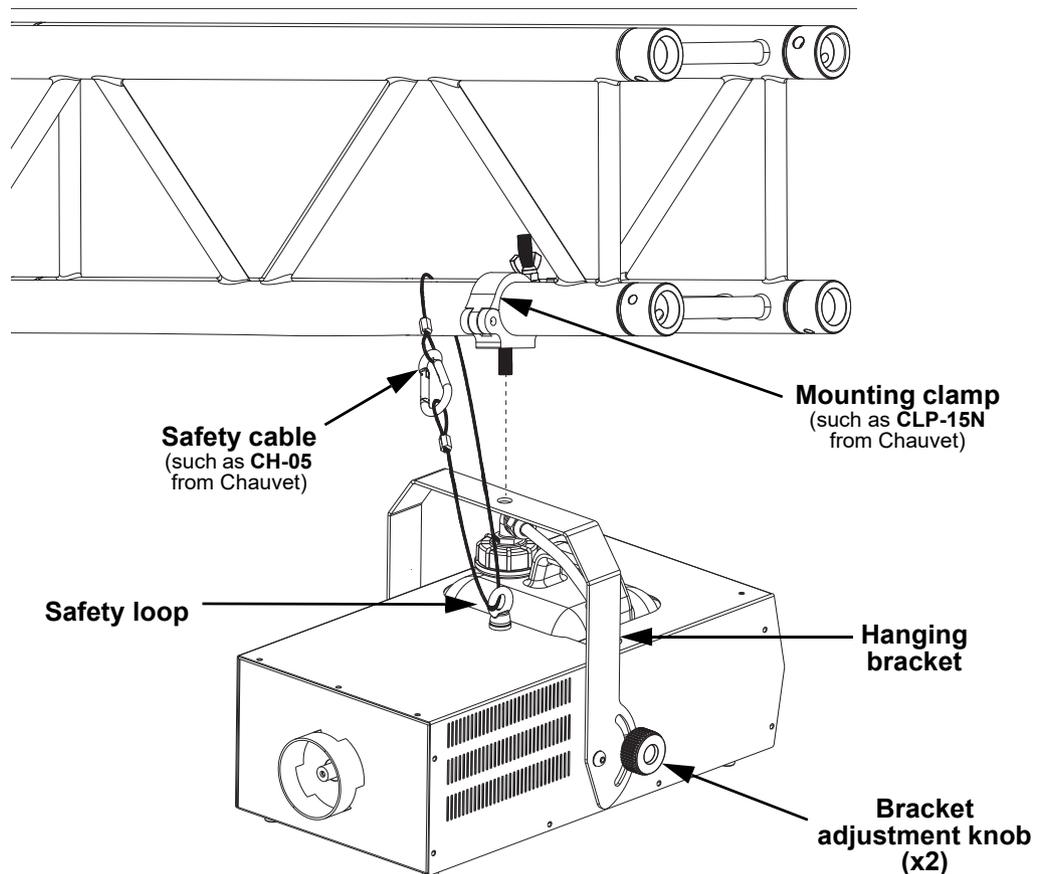
## Orientation

The Hurricane 2000 may be mounted in any position; however, make sure adequate ventilation is provided around the product.

## Rigging

- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the [Technical Specifications](#) section for weight information).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity. The bracket has a 13-mm hole, which is appropriate for this purpose.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.
- When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

## Mounting Diagram



## 4. Operation

### Control Panel Operation

To access the control panel functions, use the four buttons located underneath the display. Please refer to the [Product Overview](#) to see the button locations on the control panel.

Button	Function
<FUNCTION>	Press to enter the programming mode
<UP>	Press to scroll up the list of options or to find a higher value
<DOWN>	Press to scroll down the list of options or to find a lower value
<TIMER>	Press to activate timer controlled operation
<VOLUME>	Press to control the volume of the fog output, from <b>1–100%</b>
<MANUAL>	Press to activate the manual fog output

### Menu Map

Refer to the Hurricane 2000 product page on [www.chauvetdj.com](http://www.chauvetdj.com) for the latest menu map and software.

Main Menu	Programming Levels	Description
Interval Set	<b>1–200s</b>	Sets the interval between fog output
Duration Set	<b>1–200s</b>	Sets the duration of the fog output
Timer Out	<b>1–100%</b>	Sets the timer
Volume Out	<b>1–100%</b>	Sets the fog volume
DMX Address	<b>001–512</b>	Selects DMX starting address
Fluid Sensor	<b>ON</b>	Turns the fluid sensor on or off
	<b>OFF</b>	

### DMX Configuration

The Hurricane 2000 works with a DMX controller. Information about DMX is in the Chauvet DMX Primer, which is available from the Chauvet website

[https://www.chauvetdj.com/wp-content/uploads/2016/06/DMX\\_Primer.pdf](https://www.chauvetdj.com/wp-content/uploads/2016/06/DMX_Primer.pdf)

#### Starting Address

The Hurricane 2000 uses 1 DMX channel, which defines the highest configurable address to **512**.

When selecting a starting DMX address, always consider the number of DMX channels the DMX mode uses. If the starting address is set too high, access to some channels could be restricted.

For information about the DMX protocol, download the DMX Primer from [www.chauvetdj.com](http://www.chauvetdj.com).

To select the starting address, do the following:

1. Press <FUNCTION> repeatedly until **DMX Address** appears on the display.
2. Use <UP> or <DOWN> to select the starting address.
3. Press <ENTER>.

### DMX Channel Assignments and Values

#### 1 CH

Channel	Function	Value	Percent/Setting
1	Fog output	<b>000 ⇔ 005</b>	No function
		<b>006 ⇔ 255</b>	Fog volume, low to high

## Operation

### Manual Operation

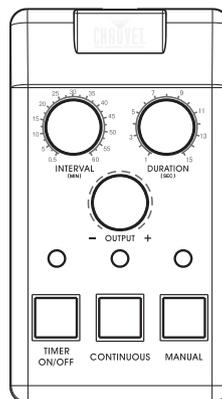
The Hurricane 2000 can be operated manually. The Manual button is located on the rear of the product (see the [Product Overview](#)).

### FC-T Wired Timer Remote

The FC-T wired timer controller (**sold separately**) allows users to automatically trigger fog output by setting interval and duration times. LED indicator lights display the machine and controller's current state. Rotary knobs set interval time, output, and duration time, while **<MANUAL>** and **<CONTINUOUS>** buttons allow overriding control.

1. Plug the product in to power.
2. Plug the FC-T in to the wired controller socket on the back of the product. (See the [Product Overview](#).)
3. Allow the Hurricane 2000 three to four minutes to heat up before continuing.

### FC-T Wired Timer Controller Overview



### Wired Timer Controller (FC-T) Operation

Option	Function
<b>INTERVAL</b>	Sets amount of time between outputs of fog in timer mode.
<b>DURATION</b>	Sets duration of outputs of fog in timer mode.
<b>OUTPUT</b>	Sets volume of fog output.
<b>TIMER ON/OFF</b>	Activates timer mode.
<b>CONTINUOUS</b>	Activates continuous output mode.
<b>MANUAL</b>	Triggers fog output while held.

### Wired Timer Remote Operation

The FC-T has three modes of operation: timer, continuous, and manual.

#### Timer Mode

To operate the Hurricane 2000 with the timer function:

1. Set the desired output level with the **<OUTPUT>** knob.
2. Set the **<INTERVAL>** and **<DURATION>** knobs to the desired positions.
  - The **<INTERVAL>** knob sets the amount of time in between bursts of fog.
  - The **<DURATION>** knob sets the length of time that the fog machine will run during the burst.
3. Press the **<TIMER ON/OFF>** latching button. The LED indicator above the button will light up.
4. Press the **<TIMER ON/OFF>** button again to turn off the timer.

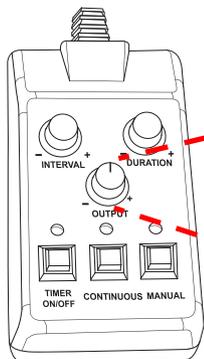


**The MANUAL Button will override the timer function.**

### Continuous Mode

To trigger the Hurricane 2000 to continuously output fog:

1. Set the desired output level with the **<OUTPUT>** knob.
2. Press the **<CONTINUOUS>** latching button. The LED indicator above the button will light up. The fog machine outputs fog until the **<CONTINUOUS>** button is pressed again.
3. Press the **<CONTINUOUS>** button again to stop the fog output.



Uninterrupted continuous mode at output 6 and below



**DO NOT** run the product in continuous mode for longer than 15 minutes. Continuous mode must be followed by an equal amount of time without output (For example: follow 8 minutes of continuous operation with 8 minutes of no output). **DO NOT** trigger the product to output fog during that time.



- In order for Continuous mode to run uninterrupted, without the Hurricane 2000 stopping to reheat, set the **<OUTPUT>** knob no higher than 6. At Output levels above 6, the fog machine will cycle through intermittent bursts of fog during its reheating program.
- The duration of continuous fog output is based on the capacity of the tank.
- Fluid consumption will be significantly increased during continuous mode.

### Manual Mode

To trigger the Hurricane 2000 manually with the FC-T:

1. Set the desired output level with the **<OUTPUT>** knob.
2. Press and hold the **<MANUAL>** button on the FC-T. The LED indicator above the button will light up. The fog machine will output for the duration of the button press.
3. Release the **<MANUAL>** button to stop the fog output.

### FC-M Wired Manual Remote

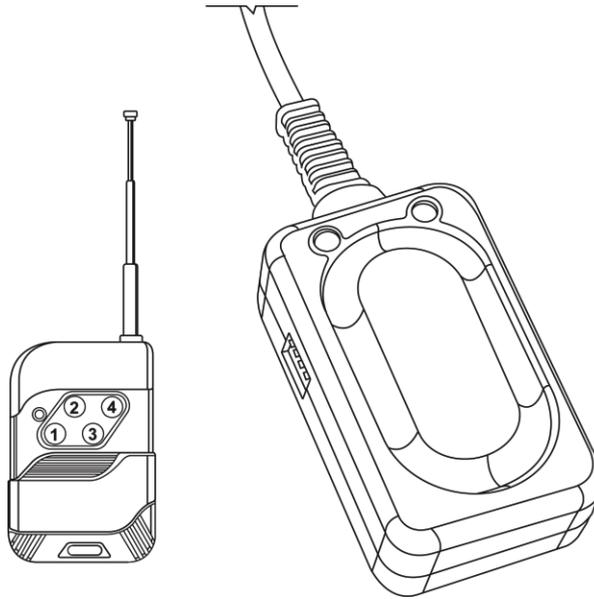
The Hurricane 2000 can be operated with the (FC-M) wired manual remote control (sold separately). This allows the user to start and stop the fog output. It operates the same as the **<MANUAL>** button on the product, with the addition of a **READY** indicator LED.



1. Plug the Hurricane 2000 in to power.
2. Plug in the wired manual remote control to the Remote Connector socket on the back of the product (see the [Product Overview](#)).
3. Wait for the **READY** indicator LED to light up, indicating the product is heated enough to produce fog.
4. Press and hold the **<FOG>** button on the wired manual remote control.
5. Release the button to stop the fog output.

### Wireless Remote Transmitter

The FC-W wireless remote (sold separately) allows the user to trigger the Hurricane 2000 to produce fog from up to 100 ft away.



**Wireless Transmitter**

**Wireless Receiver**

1. Plug the Hurricane 2000 in to power.
2. Plug the receiver into the wired controller socket on the back of the product. (See [Product Overview](#)).
3. Allow the product up to 3-4 minutes to heat up.
4. Press and hold the <1>, <2>, <3>, or <4> button on the wireless remote. (Download the FC-W User Manual from [www.chauvetdj.com/products/wireless-remote-controller-fc-w/](http://www.chauvetdj.com/products/wireless-remote-controller-fc-w/) for more information on addressing the FC-W).
5. Release the button to stop the fog output.



- **Ensure the transmitter has an unobstructed view of the product for maximum performance.**
- **The <2>, <3>, and <4> buttons are reserved for future use.**

## 5. Maintenance

### Fog Machine Maintenance

Proper maintenance of Chauvet atmospheric products will increase the reliability and lifespan of products. Maintenance should be completed every 30-90 days, depending on how frequently products are used.



- **When performing maintenance, use Chauvet Fog Cleaner Quart (FCQ) for U.S., or cleaning Fluid 250 (CF250) for EU products. Run the fluid through the system to reduce the accumulation of particulate matter in the heating element.**
- **DO NOT allow the atmospheric product to become clogged. Once a product is clogged, the cleaning procedure is unlikely to effectively clear the clog.**

The recommended cleaning procedure is as follows:

1. Unplug the product from power.
2. Remove the hose from the fluid tank/reservoir. Remove the FCQ/CF250 screw cap and place the hose in the Fog Cleaner bottle.
3. Connect the product to power and allow it to warm up (if not already warmed up).
4. Run the FCQ/CF250 through the product in a well-ventilated area for 60-90 seconds of continuous, full output. Some products require multiple cycles to achieve this.



**DO NOT allow the product to run dry!**

5. Move the hose from the FCQ/CF250 to a small bottle with distilled water (only use distilled water, not tap or any other water or liquid). Run distilled water through the product for at least 30 seconds to clear any remaining cleaning solution from the pump and heater.



- **Turn off the product when not in use or when storing.**
- **DO NOT leave the cleaning solution in the product.**
- **DO NOT operate the product without fluid at any time.**
- **DO NOT leave Chauvet atmospheric fluid in the product tank/reservoir for more than 10 days without use.**



**Fog Cleaner Quart (FCQ) and Cleaning Fluid 250 (CF250) were specifically developed by Chauvet to clean Chauvet atmospheric products equipped with heaters. Use FCQ/CF250 regularly, no longer than 90 days between cleanings (30-60 days if the product is used more frequently), to prevent shortening the life of the product.**

### Storage

Before storing the Chauvet atmospheric product, run FCQ/CF250 through the system as described in the cleaning procedure above and do not refill the tank with atmospheric fluid before storing the product.



**Test-run the Chauvet atmospheric products monthly to achieve the best performance.**

Chauvet does not guarantee products will withstand storage for long durations, even if the cleaning process is followed. Please use caution and test regularly to ensure the product continues to function properly.

## 6. Technical Specifications

### Dimensions and Weight

Length	Width	Height	Weight
19 in (487 mm)	11.6 in (297 mm)	9.3 in (236 mm)	13.6 lb (6.2 kg)

**Note:** Dimensions in inches are rounded.

### Power

Power Supply Type	Range	Voltage Selection
Model-specific	120 VAC, 60 Hz or 230 VAC, 50 Hz	Fixed
Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	1230 W	1350 W
Operating Current	10.3 A	6 A
Breaker	15 A, 250 V	15 A, 250 V
Power I/O	U.S./Worldwide	UK/Europe
Power input connector	IEC	IEC
Power cable plug	Edison (U.S.)	Local Plug

### Operation

Heat-Up Time	Tank Capacity	Fluid Consumption	Fog Output
6 min	1 gal (3 l)	48.6 ml/min	30,000 cfm

### Thermal

Maximum External Temperature	Cooling System
104 °F (40 °C)	Convection

### DMX

I/O Connector	Channel Range
3-pin or 5-pin XLR	1

### Ordering

Product Name	Item Code	UPC Number
Hurricane 2000	05071448	781462217969
Hurricane 2000 (230V)	05071449	781462217976



## Contact Us

General Information	Technical Support
<b>Chauvet World Headquarters</b>	
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## Warranty & Returns

For warranty terms and conditions and return information, please visit our website.

For customers in the United States and Mexico: [www.chauvetlighting.com/warranty-registration](http://www.chauvetlighting.com/warranty-registration).

For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: [www.chauvetlighting.eu/warranty-registration](http://www.chauvetlighting.eu/warranty-registration).