

HURRICANE
700

User Manual



CHAUVET **2**

Edition Notes

The Hurricane 700 User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Hurricane 700 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.

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Go to www.chauvetdj.com for the latest version.

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1. Before You Begin

What Is Included

- Hurricane 700
- Power cable
- Remote control
- Fog fluid pint
- 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.

Symbols

Symbol	Meaning
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	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 700.

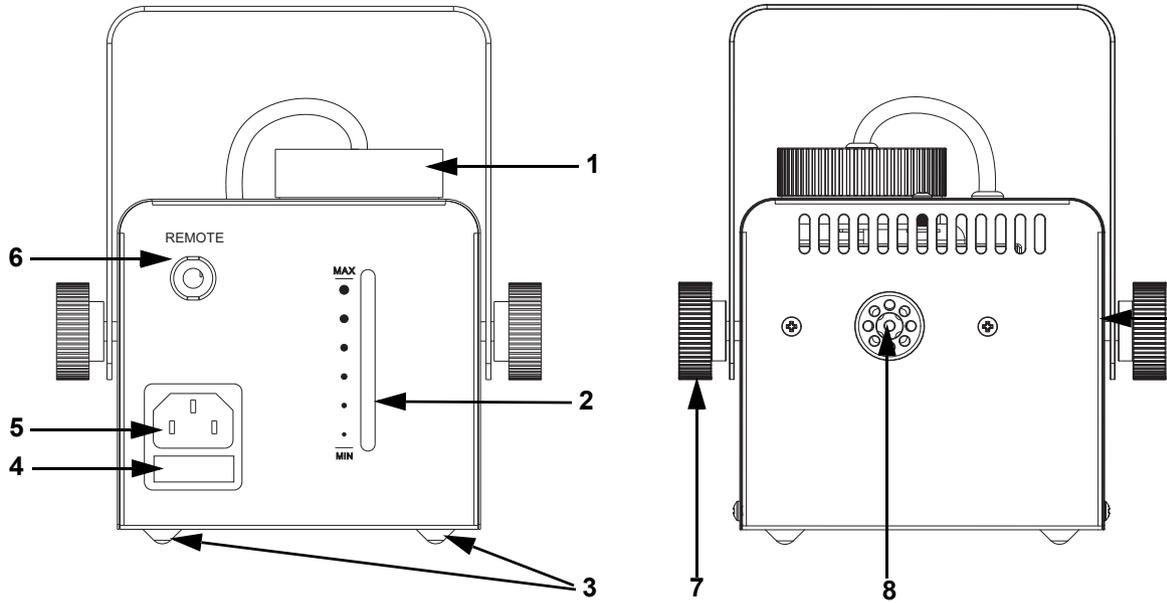
- **ALWAYS:**
 - ◆ Connect to a grounded circuit.
 - ◆ Connect to operating voltages as specified on the product's spec sticker.
 - ◆ Disconnect from power before replacing the fuse.
 - ◆ Disconnect from its power source during periods of inactivity.
 - ◆ Use a safety cable when suspending overhead.
 - ◆ 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.
 - ◆ Obstruct the bubble wands or 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.

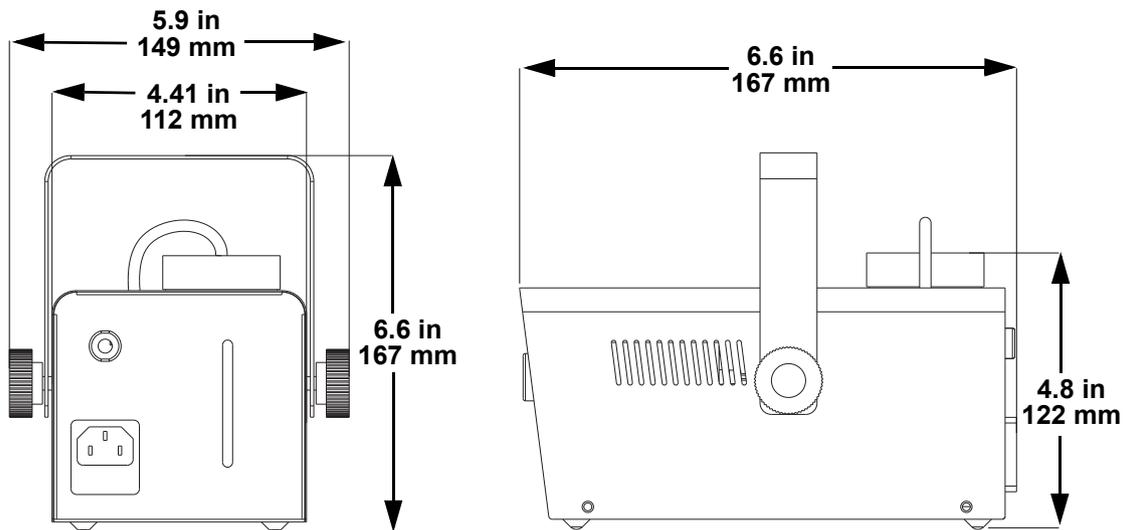
2. Introduction

Product Overview



#	Name	#	Name
1	Fluid tank	5	Power in
2	Fluid level indicator	6	Manual controller
3	Rubber feet (x4)	7	Bracket knob
4	Fuse holder	8	Nozzle

Product Dimensions



3. Setup

AC Power

The Hurricane 700 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.



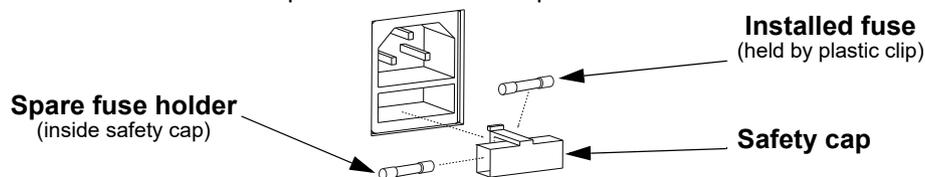
- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product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

Fuse Replacement

1. Disconnect the product from power.
2. Wedge the tip of a flat-head screwdriver into the slot of the fuse holder.
3. Pry the fuse holder out of the housing.
4. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
5. Insert the fuse holder back in place and reconnect power.



Disconnect the product from the power outlet before replacing the fuse.



Always replace a blown fuse with one of the same type and rating, F 5 A, 250V



While operating the Hurricane 700, 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 700.



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](#).

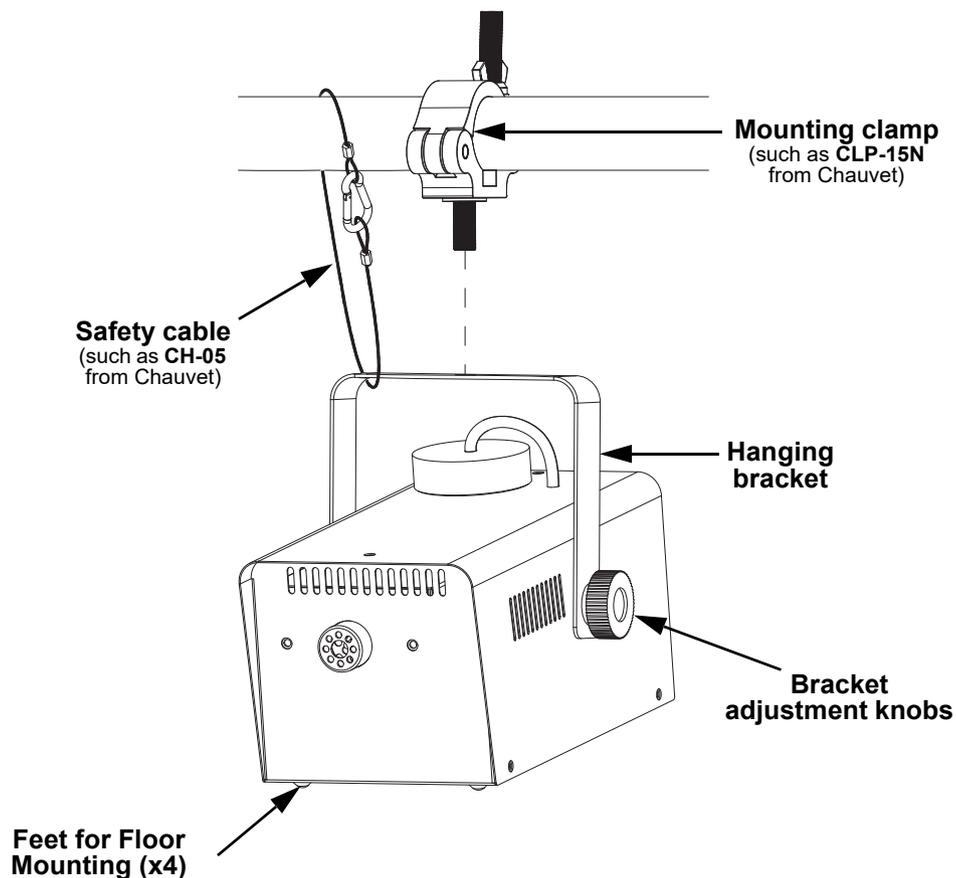
Orientation

The Hurricane 700 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



- The Hurricane 700 may start producing fog intermittently to allow for fluid reheating after a period of continuous fog output. This is a normal occurrence.
- The duration of manual fog output is based on the capability of the fog machine.

FC-M Wired Manual Remote

The Hurricane 700 is operated using the wired manual remote control (FC-M). This allows the user to start and stop the fog output. The LED indicator on the remote indicates when the fogger has reached the required operation temperature.



1. Plug the Hurricane 700 in to power.
2. Wait for the **READY** indicator LED to light up, indicating the product is heated enough to produce fog.
3. Press and hold the **<FOG>** button on the wired manual remote control.
4. Release the button to stop the fog output.

General Troubleshooting

Symptom	Possible Cause	Possible Solution
No output / short output	Line blockage	Ensure there is fluid in the tank.
		Turn the product 45° to flatten out the bubble and allow the fog fluid to flow properly.
	Air in fluid line	Unplug the product for 5 seconds, then plug it back in. Repeat as necessary. Note: after 10 attempts, contact Chauvet Technical Support..
No output / spitting fluid	Incorrect fluid	Clean thoroughly with Chauvet FCQ (see Fog Machine Maintenance). Refill with Chauvet water-based fog fluid.
	Blocked pipes	Contact Chauvet Technical Support.
	Failing part	
Fuse keeps blowing	Excessive load on the circuit	Ensure the total load does not exceed 80% of the breaker or fuse nominal current.
	Short circuit along the power lines	Check the power lines and power cords.
Product does not power on	No energy on power outlet	Check the power outlet. Change to another outlet.
	Loose power cord	Check the power cord.
	Damaged power cord	
	Blown fuse	Replace the blown fuse with an intact fuse of the same type and rating.
	Internal problem	Send product for repair.
Product stops pumping	Low / no fluid	Refill with Chauvet water-based fog fluid.
Loud noise		



If problems persist after attempting the solutions above, contact Chauvet Technical Support.

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
8.6 in (218 mm)	5.9 in (149 mm)	6.6 in (167 mm)	3 lb (1.4 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	385 W	385 W
Operating Current	3.2 A	1.6 A
Fuse	F 5 A, 250 V	F 5 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

Remote Cable Length	Heat-Up Time	Tank Capacity	Fluid Consumption	Fog Output
6 ft (2 m)	2.5 min	0.2 gal (0.6 l)	7.5 ml/min	1,500 cfm

Thermal

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

Ordering

Product Name	Item Code	UPC Number
Hurricane 700 120V	05071510	781462218584
Hurricane 700 220V	05071520	781462218683



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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.

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