

HURRICANE HAZE 2DX

User Manual



 **CHAUVET** 

Edition Notes

The Hurricane Haze 2DX User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Hurricane Haze 2DX 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 for the latest version.

Revision	Date	Description
2	03/2026	Updated DMX charts and technical specifications

TABLE OF CONTENTS

1. Before You Begin	1
What Is Included	1
Unpacking Instructions	1
Claims	1
Text Conventions	1
Symbols	1
Safety Notes	2
2. Introduction	3
Product Overview	3
Product Dimensions	4
3. Setup	5
AC Power	5
Fuse Replacement	5
Mounting	6
Orientation	6
Rigging	6
Angling the Baffle	7
4. Operation	8
Control Panel Operation	8
Menu Map	8
DMX Configuration	8
Starting Address	8
DMX Channel Assignments and Values	8
DMX Charts	8
Standalone Configuration	9
Haze Output	9
Fan Speed	9
FC-T Wired Timer Remote	9
Wired Timer Remote Operation	10
Timer Mode	10
Continuous Mode	10
5. Maintenance	11
Product Maintenance	11
Haze Machine Maintenance	12
Storage	12
6. Technical Specifications	13
Contact Us	14
Warranty & Returns	14

1. Before You Begin

What Is Included

- Hurricane Haze 2DX
- Power cable
- FC-T
- 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
1–512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified
<ENTER>	A key to be pressed on the product's control panel
ON	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 Haze 2DX.

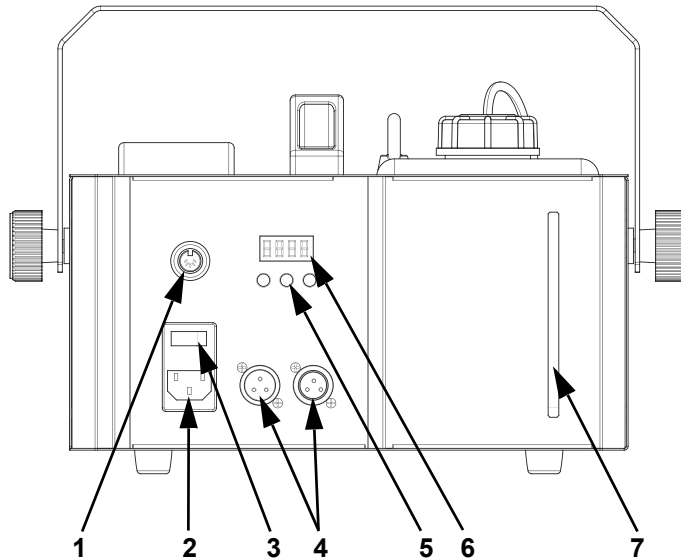
- 
- **ALWAYS:**
 - ◆ Connect to a grounded circuit.
 - ◆ Connect to operating voltages as specified on the product's spec sticker.
 - ◆ Disconnect from power before replacing the fuse.
 - ◆ Disconnect from its power source during periods of inactivity.
 - ◆ Use a safety cable when suspending overhead.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



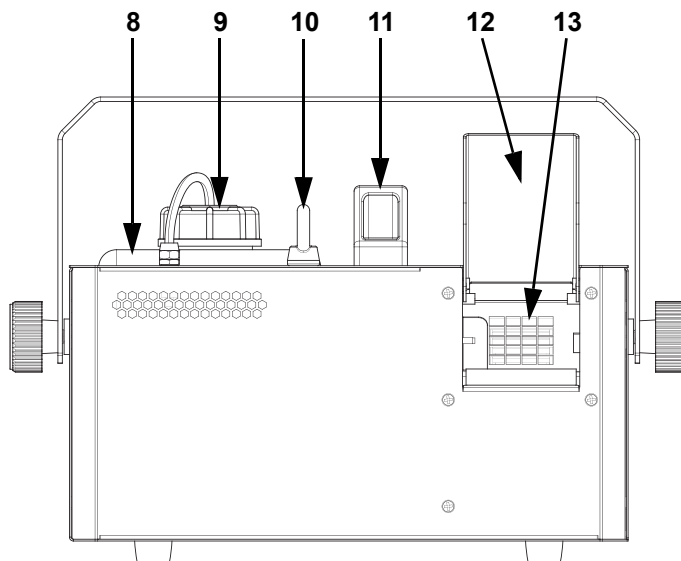
Keep this User Manual for future use. If the product is sold to someone else, be sure that they also receive this document.

2. Introduction

Product Overview

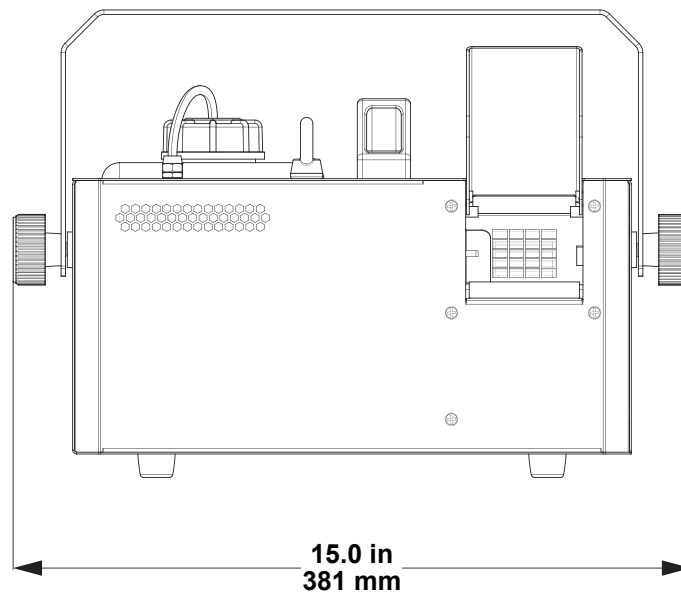
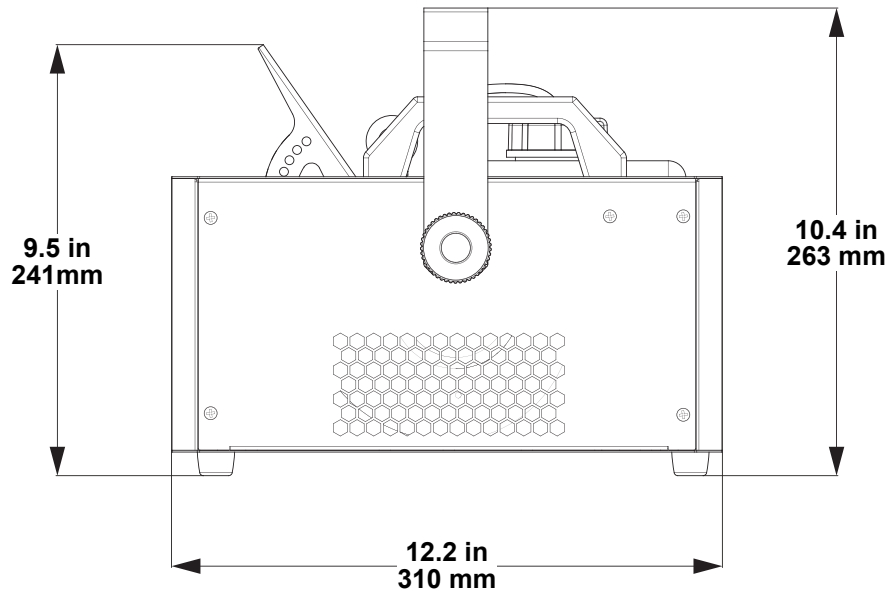


#	Name
1	Remote in
2	Power in
3	Fuse holder
4	DMX in/out
5	Menu buttons
6	Menu display
7	Fluid level indicator



#	Name
8	Fluid tank
9	Fluid tank cap
10	Safety loop
11	Carry handle
12	Baffle
13	Haze output

Product Dimensions



3. Setup

AC Power

The Hurricane Haze 2DX has a fixed voltage power supply, and it can work with an input voltage range of either 120 VAC, 60 Hz or 230 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.



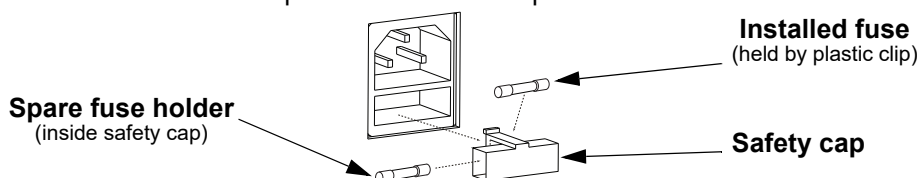
- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product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



While operating the Hurricane Haze 2DX, make sure there is adequate haze fluid in the machine to prevent pump and heater damage. When the haze fluid level becomes low, simply add more haze fluid to continue using the Hurricane Haze 2DX.

Mounting

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

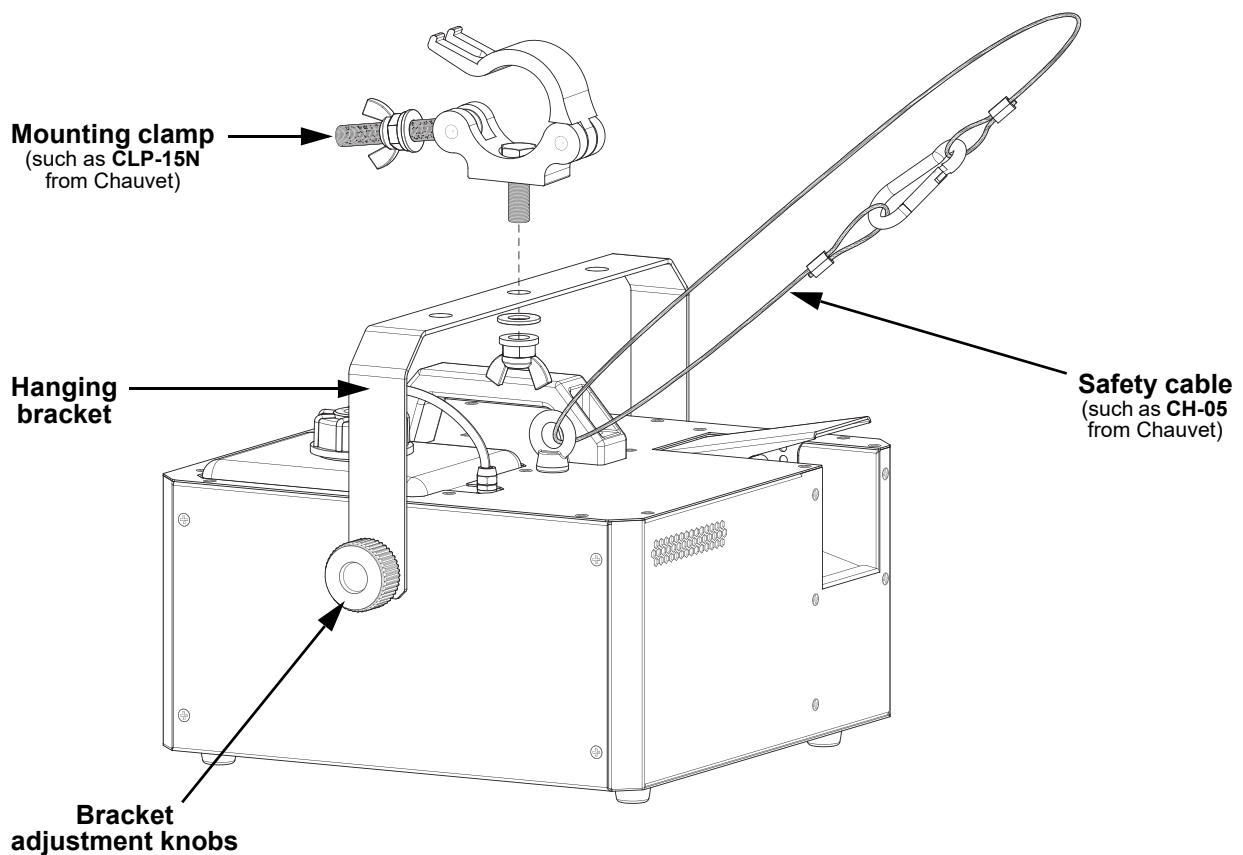
Orientation

The Hurricane Haze 2DX may be mounted in any position; however, make sure adequate ventilation is provided around the product.

Rigging

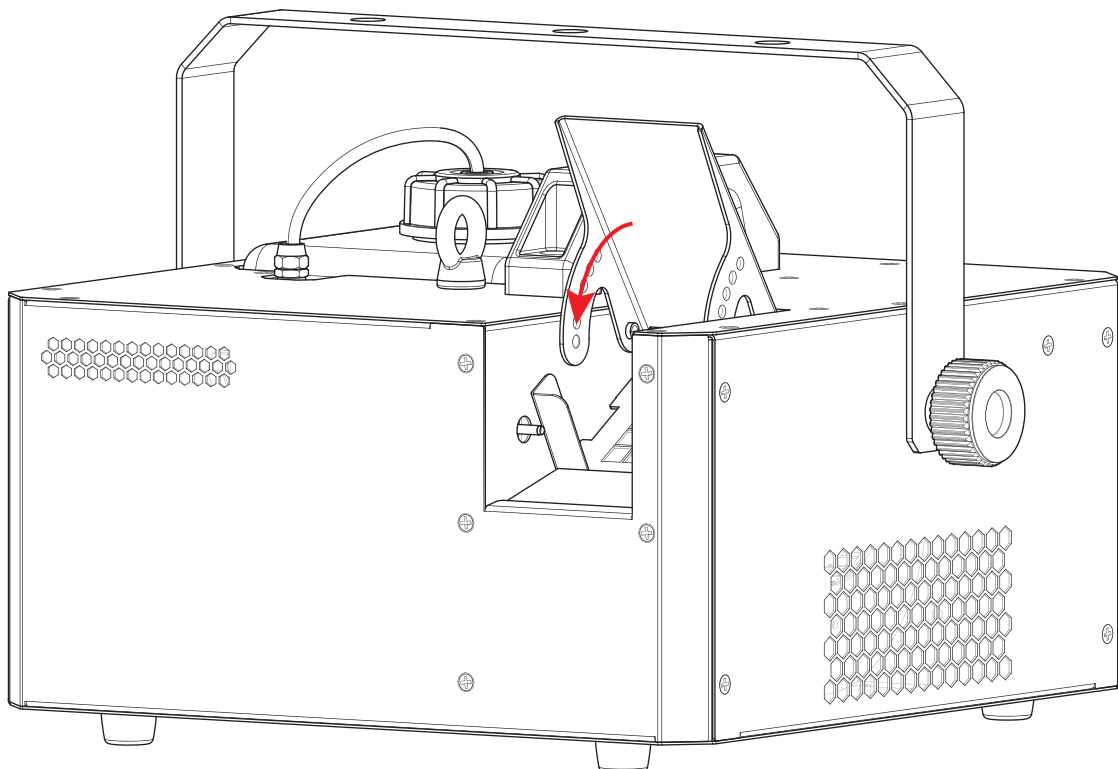
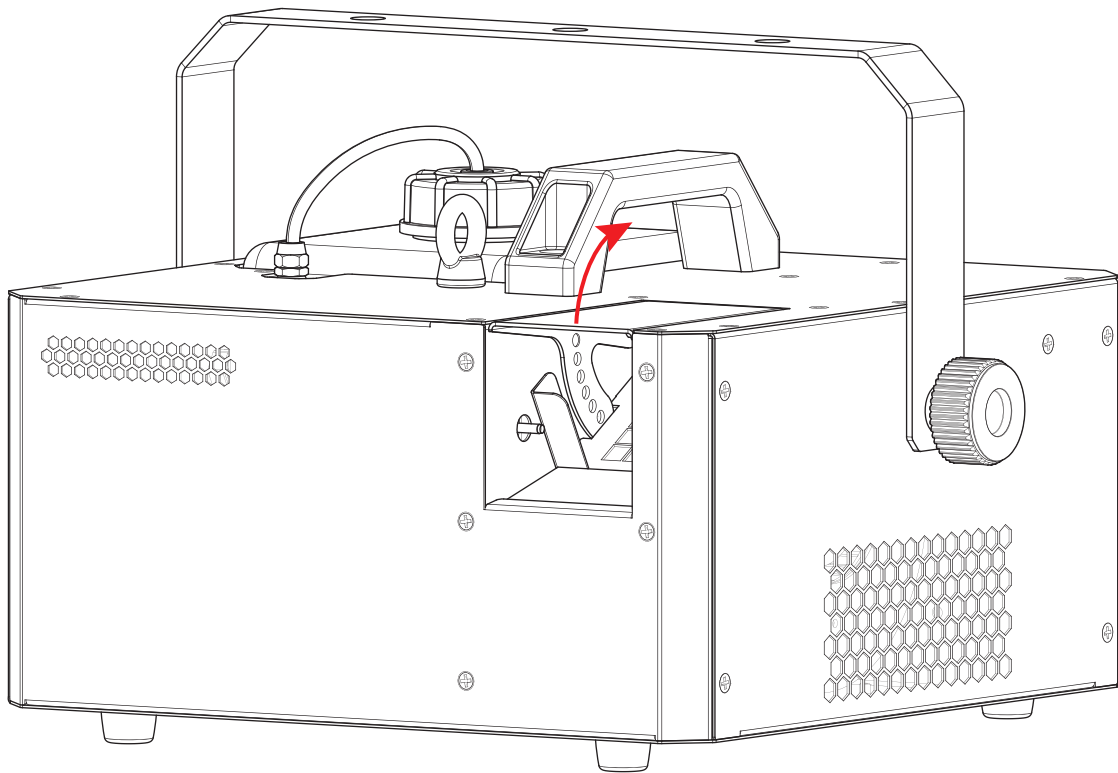
- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the [Technical Specifications](#) section for weight information).
- 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 power linking multiple products, mount the products close enough for power linking cables to reach.
- When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

Mounting Diagram



Angling the Baffle

Manually set the baffle of the Hurricane Haze 2DX to any angle from 0–55°.



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	Name	Function
	<MENU>	Exits from the current menu or function
	<UP>	Navigates upwards through the menu list and increases the numeric value when in a function
	<DOWN>	Navigates downwards through the menu list and decreases the numeric value when in a function

Menu Map

Refer to the Hurricane Haze 2DX product page on www.chauvetdj.com for the latest menu map and software.

Main Level	Programming Levels	Description
DMX Address	001–512	Sets the DMX starting address
Fan Speed	000–005	Blower fan speed, slow to fast
Haze Output	000–005	Haze volume, low to high



There are three methods used to control the operation of the Hurricane Haze 4D. The priority levels are:

1. DMX
2. Manual control knobs
3. Remote controller

DMX Configuration

The Hurricane Haze 2DX works with a DMX controller. Information about DMX is in the Chauvet DMX Primer, which is available from the Chauvet website chauvetlighting.com/downloads/DMX_Primer_rev05_WO.pdf.

Starting Address

The Hurricane Haze 2DX uses 2 DMX channels, which defines the highest configurable/recommended address to **511**.

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.

To select the starting address, do the following:

1. Press <MENU>. repeatedly until **d_ _ _** shows on the display.
2. Use <UP> or <DOWN> to select the starting address, from **d001–512**.

DMX Channel Assignments and Values

DMX Charts

Channel	Function	Value	Percent/Setting
1	Fan speed	000 ⇔ 005	No function
		006 ⇔ 255	Low to high
2	Haze output	000 ⇔ 005	No function
		006 ⇔ 255	Low to high

Standalone Configuration

Set the product in one of the standalone modes to operate without a controller.



Never connect a product that is operating in any standalone mode to a DMX string connected to a DMX controller. Products in standalone mode may transmit DMX signals that could interfere with the DMX signals from the controller.

Haze Output

To set haze volume:

1. Press **<MENU>** repeatedly until **h---** shows on the display.
2. Use **<UP>** or **<DOWN>** to select the desired output level, from **000–005**.

Fan Speed

To set the blower fan speed:

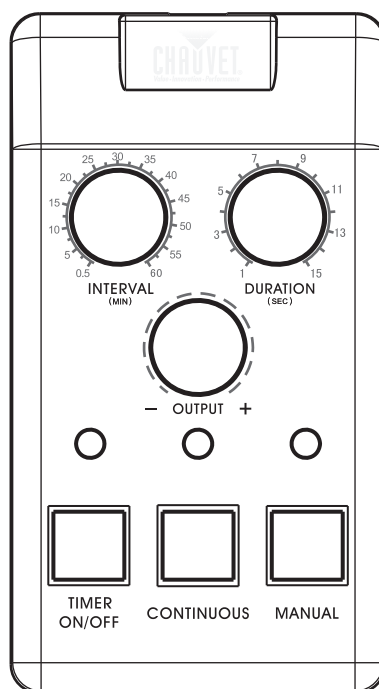
1. Press **<MENU>** repeatedly until **F---** shows on the display.
2. Use **<UP>** or **<DOWN>** to select the desired fan speed, from **000–005**.

FC-T Wired Timer Remote

The FC-T wired timer controller allows users to automatically trigger 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 Haze 2DX three to four minutes to heat up before continuing.

FC-T Wired Timer Controller Overview



Option	Function
INTERVAL	Sets amount of time between outputs of haze in timer mode.
DURATION	Sets duration of outputs of haze in timer mode.
OUTPUT	Sets volume of haze output.
TIMER ON/OFF	Activates timer mode.
CONTINUOUS	Activates continuous output mode.
MANUAL	Triggers haze 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 Haze 2DX 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 haze.
 - The **<DURATION>** knob sets the length of time that the haze 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 Haze 2DX to continuously output haze:

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 haze machine outputs haze until the **<CONTINUOUS>** button is pressed again.
3. Press the **<CONTINUOUS>** button again to stop the haze output.



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 haze during that time.



- In order for Continuous mode to run uninterrupted, without the Hurricane Haze 2DX stopping to reheat, set the **<OUTPUT>** knob no higher than 6. At Output levels above 6, the haze machine will cycle through intermittent bursts of haze during its reheating program.
- The duration of continuous haze output is based on the capacity of the tank.
- Fluid consumption will be significantly increased during continuous mode.

Manual Mode

To trigger the Hurricane Haze 2DX 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 haze machine will output for the duration of the button press.
3. Release the **<MANUAL>** button to stop the haze output.

5. Maintenance

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean all lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
4. Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
5. Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
6. Softly drag any dirt or grime to the outside of the transparent surface.
7. Gently polish the transparent surfaces until they are free of haze and lint.



Always dry the transparent surfaces carefully after cleaning them.



Do not spin the cooling fans using compressed air because they could be damaged.

Haze 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
12.2 in (310 mm)	9.5 in (241 mm)	15.0 in (381 mm)	18.2 lb (8.2 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	542 W	606 W
Operating Current	4.6 A	2.7 A
Fuse	F 7 A, 250 V	F 5 A, 250 V
Power I/O	U.S./Worldwide	UK/Europe
Power input connector	IEC	IEC
Power output connector	Edison	IEC
Power cable plug	Edison (U.S.)	Local Plug

Operation

Heat-Up Time	Tank Capacity	Fluid Consumption	Haze Output
3 min	0.5 gal (2 l)	8 ml/min	1200 cfm

Thermal

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

DMX

I/O Connector	Channel Range
3-pin XLR	2

Ordering

Product Name	Item Code	UPC Number
Hurricane Haze 2DX (120 V)	05072767	781462231156
Hurricane Haze 2DX (230 V)	05072768	781462231163



Contact Us

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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.