

Troubleshooting

If you experience low output, pump noise or no output at all, unplug immediately. Check fluid level, the external fuse, remote connection and main power supply. If all appear to be OK, plug the unit in again. If Haze does not come out after holding the remote control button for 30 seconds, check the hose attached to the tank to make sure there is fluid going through the hose. If you are unable to determine the cause of the problem, do not simply continue to push the remote control button as this may damage the unit. Contact CHAUVET for servicing.

Contact Chauvet

USA

Technical Assistance: 1-800-762-1084 (954) 929-1115

E-Mail tech@chauvetlighting.com

Caution

- Never use any other type of liquid other than UNSCENTED water based light Haze/fog fluid.
- Use of any other fluids or additives will void the warranty
- Do not obstruct the nozzle. Haze output is very hot, avoid coming within 60cm (24") of the nozzle during operation. Never aim the nozzle directly at people or naked flames.
- Danger of Burns. Keep out of reach of children. Do not leave machine unattended.
- Output nozzle becomes very hot during operation (300oC). Keep flammable materials at least 50cm (20") away from the nozzle.
- Always allow the Hazer/fogger to cool down before cleaning or servicing.
- Never drink haze/fog liquid. If its ingested, call a doctor immediately. If Haze/fog fluid comes into contact with skin or eyes, rinse thoroughly with water.
- Beware of condensation around the nozzle. Consider carefully when mounting.
- All Haze/fog machines may splutter small amounts of Haze/fog occasionally during operation and for a minute or so after being turned off.

Power Connections

The unit is supplied with a power plug appropriate to its voltage and destination. Should any other connections be required they must be carried out with the following configuration.

Earth = Green/Yellow cable

Neutral = Blue cable

Live = Brown cable

In the USA & Europe, it is required that all plugs are 3-pin type i.e. with Earth/Ground connection.

In the UK, it is required that all mains plugs are fitted with 5A fuses.

Technical Specifications

Power Input:	AC 120V 60 Hz or 230V 50 Hz
Fog Output:	1500 Cubic Feet per Minute
Fuse:	5A 125V or 3.15A 250V
Tank Capacity:	1.5 Liter
Dim:	11.2 x 9.1 x 10.6in
	285 x 230 x 270mm
Weight:	17.6 lbs / 8 Kg

User Informtion (Please complete for your records)

Date Purchased: / /

Serial No: _____

Dealer Stamp

Model: HZ-1000 Ultimate HZ



Ultimate HZ

HZ-1000

User Guide

Please read these instructions carefully before use

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On the Rear

- DMX Input / Output
- DIP Switches
- Socket for Remote Control

- On/Off Switch

- Power Cord Socket and Fuse holder



- HZ Fluid Tank Access
- Directional Flap for Output

- Haze / Fog Output Nozzle

Introduction

Congratulations on the purchase of your new CHAUVET Ultimate HZ machine. We are confident you will enjoy many trouble free hours with this unit. To assist with the care and use of the product we have prepared this short guide.

Operation

Before connecting this unit to the mains power supply for the first time you must first fill the fluid tank with haze/fog fluid and check that the nozzle is clean and unobstructed. Always monitor fog fluid level as running the machine with no fluid could cause permanent damage.

This Hazer/fog machine has been designed to function on a mains power supply of either 120V~60Hz or 230V~50Hz and has been fitted with a suitable power plug for use with your local voltage. Check the label on the unit and the power plug for the correct voltage.

Place the machine on a level surface, remove the screw in the fluid access panel, lift panel and loosen the cap of the fluid tank to fill with quality unscented water based light Haze/fog fluid. We recommend use of CHAUVET fluid as it has been specially formulated for use with CHAUVET machines. Plug the remote control unit into the socket at the rear and switch on to allow time to preheat.

Please do not touch or place anything in close proximity to the nozzle during operation or preheat as there is a danger of burns.

It is normal for your Hazer to have a recycling period after long bursts when the unit will shut itself down for a short period in order to heat up to temperature. During this time no Haze/fog can be produced. The red light on the unit and the remote will illuminate when the unit is ready for action again.

Due to the high operating temperature of Hazer/fog machines it is advised that the effect be used in well ventilated areas taking care not to obstruct the air vents. After use, allow time to 'cool' for safety before moving or touching.

- Never use any other type of liquid other than UNSCENTED water based light haze/fog fluid.
- Use of any other fluids or additives will void the warranty.

Controlling the HZ-1000

FC-4HS Timer remote - Plug the controller into the back of the HZ-1000. To engage the timer function depress the yellow button on the handheld unit and adjust the the INTERVAL knob. The INTERVAL knob regulates the length o time of the fog blast. The blast can be set for between 10 and 200 seconds. The VOLUME knob controls the amount of haze/fog. This can be set between 0% and 100%. For continuous hazing, depress the red button maked CONTINUOUS. This will set the unit to haze steadily at the selected volume. The green MANUAL button overrides all the buttons but not the knobs to deliver a full volume blast of Haze for as long as the button is held down.

FOR PROPER HAZE OPERATION SET VOLUME TO LOWEST SETTING

DMX Operation

The HZ-1000 is a 2 channel DMX unit. Channel 1 controls the volume output and channel 2 controls the speed of the fan which pushes the haze. To operate in DMX mode, you must link the unit to your DMX chain using a premium quality 3-pin DMX cable in the following configuration. 'Out' from the first unit to 'In' on the second, 'Out' from the second to 'In' on the third and so on.

The HZ-1000 is a 2 channel DMX fixture. Please consult the controller manual to determine the proper address for the units.



Example: To set the address at 12

1. Set SW 10 to OFF.
2. Count the value of the switches in the on position. and SW 4 equals 8.
3. Set SW 3 and SW 4 to the ON position. (4 + 8 = 12)

Installation / Mounting

The Hazer must be used in a horizontal position sitting on a level surface or it may be mounted using the bracket provided. Ensuring that the fog is not shooting directly at anyone's face. Whatever method of installation you choose, the Hazer must not have more than a 15 degree angle of inclination. We always suggest that for safety purposes use of a suitable hanging clamp and safety cable is essential. CHAUVET offers a range of items, which are ideal for safe mounting.

Replacing Fuses

If the unit does not function at all when connected to the main power supply then it is highly likely that the fuse has blown.

Disconnect from main power supply before attempting to replace the fuse.

In order to replace the fuse, disconnect from the main power supply first, and then remove the fuseholder cover to reveal the fuse. The unit has a label attached which indicates the correct fuse rating and you will also find this listed as part of the specifications for the unit later in this guide. It is most important that replacement fuses are of the correct rating. Failure to use the correct fuse could damage the lighting effect beyond economic repair.

The fuse should simply be placed inside the holder and the cover replaced. When this is done connect to the main power supply to check. If the unit is still not working then please contact CHAUVET.

Cleaning

Cleaning your haze machine regularly will help reduce costly parts replacement and repair charges. After every 40 hours of continuous operation or when the machine will be idle for a long time it is recommended to run a cleaning solution composed of 80% distilled water and 20% white vinegar through the system to prevent the accumulation of particles in the heating element.

1. While unit is unplugged and cool, unscrew nozzle at very front of unit (fig.1) and clean out debris with white vinegar and a pipe cleaner, making sure that the hole is free and unobstructed.
2. Empty all haze/fog fluid from the machine and replace with cleaning solution in the tank. Plug unit in and allow to warm as usual.
3. Run unit in a well ventilated area until tank is empty.
4. Replace nozzle.
5. Cleaning is now complete. Unplug and refill with a quality water based Haze/fog fluid once cool.

All haze/fog machines are prone to clogging due to the consistency of Haze/fog fluid and the high temperatures at which it vaporizes. However a well maintained machine should provide years of reliable use. The body of the unit may be cleaned with a dry cloth. Store dry.

Maintenance & Servicing

Work on internal parts should be carried out by a qualified technician. Removal of any covers is considered a breach of warranty and will not be covered under any such agreement unless authorized first by Chauvet.