

# AQUA HAZE 700

## User Manual

### Safety Information



Please read the following safety information carefully before operating the machine. Information includes important safety information about installation, usage, and maintenance. Pay attention to all warning labels and instructions in this manual and printed on the machine.

If you have questions about how to operate the machine safely, please contact your local dealer for help.

- . Keep this device dry.
- . Always connect to a grounded circuit to avoid risk of electrocution.
- . Before connecting the machine to power, always check the voltage indicated on the machine matches to your local AC voltage. Do not use the machine if the AC power voltage does not match.
- . Disconnect the machine from AC power before servicing and when not in use.
- . This product is for indoor use only! Do not expose to rain or moisture. If fluid is spilled, disconnect AC power and clean with a damp cloth. If fluid is spilled onto electronic parts, immediately unplug the machine and contact your local dealer for advice.
- . No user serviceable and modifiable parts inside. Never try to repair this product, unauthorized technician may lead the machine to damage or malfunction.
- . For adult use only. Never leave the machine running unattended.
- . Install in a well ventilated area. Provide at least 50 cm of space around the machine.
- . Never add flammable liquid of any kind to the machine.
- . Make sure there are no flammable materials close to the machine while operating.
- . Only use Aqua Haze fluid. Other fluid may lead to heater clog and malfunction.
- . If the machine fails to work, unplug the machine and stop operation immediately. Contact your local dealer for advice.

- . Before transporting the machine, make sure the fluid tank is completely drained.
- . Smoke fluid may present health risks if swallowed. Do not drink smoke fluid. Store it securely. In case of eye contact or if fluid is swallowed immediately seek medical advice.

Immediately upon receiving the machine, carefully unpack the carton, check all content to ensure that all parts are present and have been received in good condition. If any parts appear damaged or mishandled from shipping, notify the shipper immediately and retain the packing material for inspection.

**What is included:**            1 x Aqua Haze 700  
   1 x Power Cord  
   1 x User Manual

**Step 1:** Place the machine on a flat surface and in a suitably large area with at least 50 cm open space around the machine.

**Step 2:** Fill the fluid tank with AQUA HAZE fluid.

**Step 3:** Connect the machine to a suitably rated power supply. To determine the power requirement for the machine refer to the label on the back of the machine.



Always connect the machine to a protected circuit and ensure it is properly grounded to avoid risk of electrocution.

**Step 4:** Turn on the machine and allow it to heat up. Heat up takes approximately 4 minutes. Once the machine has reached operating temperature, the status LED will light “Solid Green”. Now the machine is ready for operation.

**Step 5:** To start making haze, locate the **SMOKE** rotary knob on the back side of machine, and simply turn it clockwise to start.

**Step 6:** To turn off the machine, put the power switch to the **OFF** position.

### Control Panel Operation

The machine can be operated with the two rotary knobs located on the rear.



Rotary Knob	Function
SMOKE	Turn haze on/off, adjust output volume from 0~100%
FAN	Adjust fan speed from 20%~100%

### Remote Control Operation (Optional)

To operate the machine by remote control, connect the remote to the microphone jack located on the rear of machine. Use the switch to turn haze on/off, and use the rotary knob to adjust the output volume from 0~100%.



### DMX Connector Pin Assignment

The machine provides a 3 or 5 pin XLR connector for DMX connection. The diagram below indicates pin assignment information.



Pin	Function
1	Ground
2	Data-
3	Data+
4	N/A
5	N/A

**DMX Operation**

Making the DMX Connection – Connect the machine to a DMX controller or to one of the machines in the DMX chain. The machine uses a 3-pin XLR connector for DMX connection, the connector is located on the rear of the machine.



Address Setup – Use the DIP switch located on the rear of the machine to set the DMX address. The machine occupies 2 control channels. The starting address is defined as the first channel from which the machine will respond to the controller. Always double check to make sure there are no overlapping channels in order to control the machine correctly.



**DMX Channel Function**

Channel 1	DMX Value Range	Function
Haze Output Level	0 – 4	Haze Off
	5 – 255	Haze Output 1 – 100%
Channel 2	DMX Value Range	Function
Fan Output Level	0 – 4	Fan 20%
	5 – 255	Fan 21 – 100%

## FLUID

Only use Aqua Haze fluid for the machine. The machine is tested and calibrated with this liquid to get the best output performance. Warranty will be voided if any other type of liquid is used, improper use of liquid may lead to machine failure and malfunction.

## Service and Maintenance

- . Do not allow the machine to become contaminated.
- . Remove dust from air vents with an air compressor, vacuum or a soft brush.
- . Only use a damp cloth to clean the casing.
- . Before storing run distilled water through the system to help avoid condensing the pump or heater.
- . It is recommended to run the machine on a monthly basis in order to achieve best performance and output condition.
- . Excessive dust, liquid and dirt built up will degrade performance and cause overheating.

## Fuse Replacing



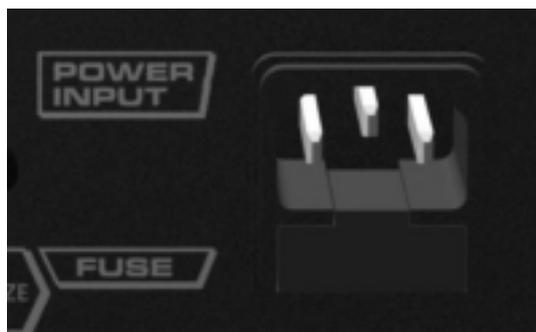
Disconnect AC power before replacing fuse. Only replace fuse with same type and rating.

Step 1: Disconnect power cord from supply.

Step 2: Use a flat-head screwdriver to release fuse holder.

Step 3: Replace fuse with exact same type and rating as indicated below.

Step 4: Reinsert fuse holder.



## Fuse

100V = T6.3A 250V

110 – 120V = T7A 250V

220 – 240V = T4A 250V

Status LED	Indication
Flashing Green	Machine is heating up
Flashing Green (3 seconds)	Self Cleaning
Solid Green	Machine ready for operation
Flashing Amber	Producing haze
Solid Amber	DMX signal received
Solid Red	Heater is overheating, machine can not be operated
Flashing Red	Liquid detected backflow to air pump
Flashing Red/Green	Machine cannot heat up

- Input voltage AC 100-120V, 50 / 60Hz 6.3A  
AC 220-240V, 50 / 60Hz 3.15A
- Rated power 800W
- Warm-up time 4.5 minutes (approx.)
- Fluid consumption 3 ml/min
- Fluid tank capacity 1.3l (0.34gal)
- Compatible fluid Aqua Haze Fluid
- Operating time 7 hrs at max. output
- Ambient temp. range 0 °C - 40 °C (32 °F-104 °F)
- Output 3000 ft<sup>3</sup> /min (85 m<sup>3</sup> /min)
- Control DMX512, Manual,
- DMX channels 2 channels

- Connection IEC (Power)
- Optional accessories AH 700 Flightcase
- Dimension
- Weight 9.5 kg (19.55 lbs)