HZ-1000
Hazer Machine User Manual

HZ·1000

Hazer Technology

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 Antari 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 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 Antari dealer for advice.

. No user serviceable and modifiable parts inside. Never try to repair this product, an unauthorized technician may lead the machine to damage or malfunction.

. For adult use only. Never leave the machine running unattended.

. Install in 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 Antari fluid. Other fluid may lead to malfunction.

. If the machine fails to work, unplug the machine and stop operation immediately. Contact your local Antari 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 haze fluid. Store it securely. In case of eye contact or if fluid is swallowed immediately look for medical advice.

Unpacking and Inspection

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.
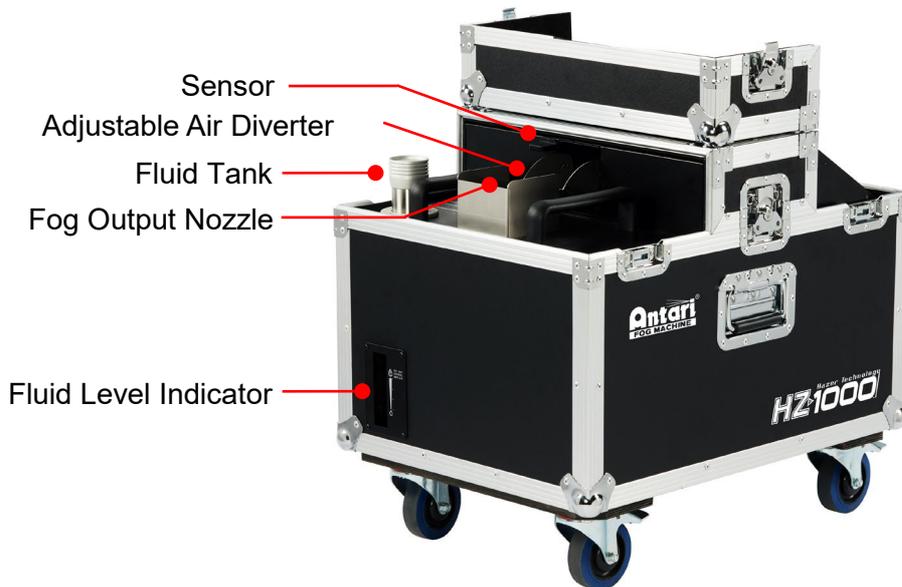
What is included: 1 x HZ-1000 Hazer

1 x Power Cord

1 x User Manual

Product Dimension

690 mm   510 mm

610 mm

Product Overview

Breaker
Main Power Switch
Neutrik Powercon True1
XLR 3-Pin &
5-Pin in/out DMX
Connectors

WDMX Wireless Solution
(Optional)
TFT Color Touch Panel

Sensor
Adjustable Air Diverter
Fluid Tank
Fog Output Nozzle

Fluid Level Indicator

Setting Up

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

**Step 2:** Fill the fluid tank with Antari approved 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:

To start making haze, press "VOLUME" on screen then select output level "LOW" or "HIGH". To stop making haze press "OFF"
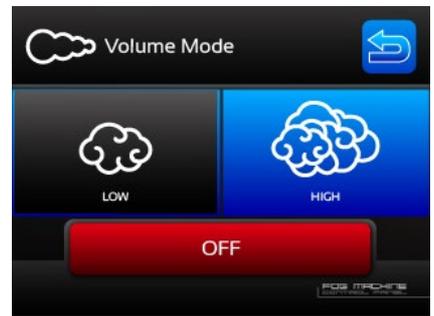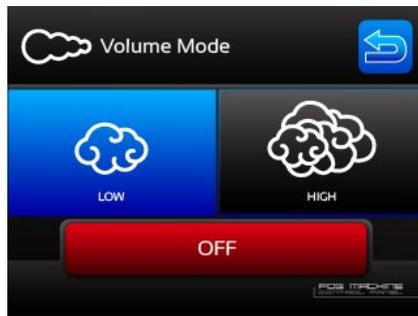
Step 5: To turn off the machine, put the power switch to the ***OFF*** position.

Operation

Control Panel Operation

The machine can adjust settings and be controlled through the touch screen panel.

Main Menu	Level 1	Level 2
TIMER	LOW/HIGH/OFF	
VOLUME	LOW/HIGH/OFF	
DMX 512	001-511	

SETTING

SETTING	Interval Set	00 min 01 secs 59 mins 59 secs
	Duration Set	00 min 01 secs 59 mins 59 secs
	Timer Mode	LOW/HIGH
	Volume Mode	LOW/HIGH
	Fan Speed	20-100%
	DMX 512	001-511
	WDMX	Power On/Off Reset On/Off
	Sensor On/Off	On/Off
	Fluid Sensor	On/Off
	Quick Start	On/Off

DMX Connector Pin Assignment

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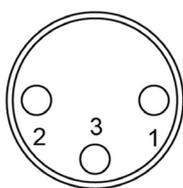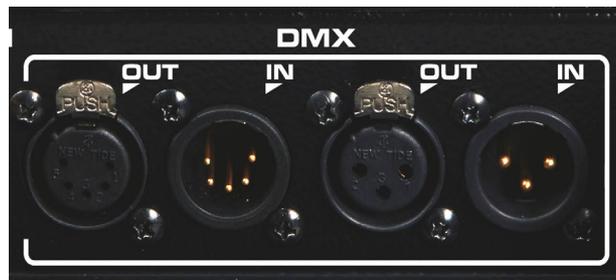
3 Pin XLR
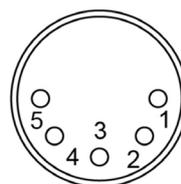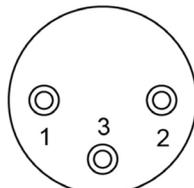
5 Pin XLR

Pin	Function
1	Ground
2	Data-
3	Data+
4	Not used
5	Not used

DMX Operation

Making the DMX Connection – Connect machine to a DMX controller or to one of the machines in the DMX chain. The machine uses 3-pin and 5-pin XLR connectors for DMX connection, the connector is located on the rear of the machine.

DMX Channel Function

Channel 1	DMX Value Range	Function
Haze Output Level	0 – 5	Haze Off
	6 – 127	Haze Output Low
	128-255	Haze Output High
Channel 2	**DMX Value Range**	**Function**
Fan Output Level	0 – 5	Fan 20%
	6 – 255	Fan 21 – 100%

RDM Control

HZ-1000 is RDM enabled, allowing control system to configure, mointor and manage. See below table for supported RDM parameters

Value	RDM Parameter ID's	GET Allowed	SET Allowed
0x0001	DISC_UNIQUE_BRANCH		
0x0002	DISC_MUTE		
0x0003	DISC_UN_MUTE		
0x0030	STATUS_MESSAGE	O	
0x0050	SUPPORTED_PARAMETERS	O	
0x0060	DEVICE_INFO	O	
0x0070	PRODUCT_DETAIL_ID_LIST	O	
0x0080	DEVICE_MODEL_DESCRIPTION	O	
0x0081	MANUFACTURER_LABEL	O	
0x0082	DEVICE_LABEL	O	O
0x00C0	SOFTWARE_VERSION_LABEL	O	
0x00E0	DMX_PERSONALITY	O	O
0x00E1	DMX_PERSONALITY_DESCRIPTION	O	
0x00F0	DMX_START_ADDRESS	O	O
0x0200	SENSOR_DEFINITION	O	
0x0201	SENSOR_VALUE	O	
0x1000	IDENTIFY_DEVICE	O	O

Fluid

Only use Antari HZL oil-based liquid for the HZ-1000 Hazer. 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 air compressor, vacuum or a soft brush.

. Only use a damp cloth to clean the casing.

. 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.

Breaker Reset

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

Step 1: Disconnect power cord from supply.

Step 2: Flip breaker to ON position.

Step 3: Turn machine back on to test

Breaker

120V = 12A 250V

240V = 7A 250V

Status Messages

Message	Status
Sensor Error	Flight case cover is closed and not able to generate haze
Temp 1 Error	Compressor 1 is overheating

Temp 2 Error	Compressor 2 is overheating
Temp 3 Error	Machine internal temperature is overheating
Fluid Sensor Error	Fluid Sensor Error
Low Fluid	Low Fluid

Technical Specifications

Input voltage	US model : AC 100-120V, 50 / 60Hz 9.6A
	EU model : AC 220-240V, 50 / 60Hz 4.8A
Rated power	1150W
Fluid consumption	2.2 ml/min
Fluid tank capacity	6.4 l (1.69 gal)
Compatible fluid	Antari HZL Haze Fluid
Operating time	40 hrs max. output
Ambient temp. range	0 °C - 40 °C (32 °F-104 °F)
Output	7500 cu.ft./min. (212 m³/min.)
Control	DMX 512, Timer, Manual, Wireless DMX (Optional)
DMX channels	2 channels
Connection	Neutrik Powercon True1 (Power)
	XLR 3-pin and 5-pin (DMX)
Optional accessories	W-DMX-PCBR Wireless DMX 512
Dimension	L 690 x W 510 x H 610 mm
	(L 27.16 x W 20.07 x H 24.01 inch)
Weight	74.6 kg (164.46 lbs)