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## Antari HZ500

# Antari HZ-500 Touring Class Haze Machine User Manual

Model: HZ-500 | Brand: Antari

## INTRODUCTION

The Antari HZ-500 is a professional touring-class haze machine designed to produce a fine, even haze effect for various entertainment and stage applications. This manual provides essential information for the safe and efficient operation, setup, maintenance, and troubleshooting of your HZ-500 unit. Please read this manual thoroughly before operating the machine.

## SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the machine:

- Ensure the unit is connected to a grounded power outlet with the correct voltage (AC 120V for U.S. or AC 230V for Europe).
- Do not operate the machine if the power cord is damaged.
- Use only Antari HZL Haze Fluid. Using other fluids may damage the unit and void the warranty.
- Keep the unit away from flammable materials.
- Do not block the ventilation openings.
- Do not immerse the unit in water or other liquids.
- Disconnect power before cleaning or servicing.
- This machine is for professional use only.

## PRODUCT OVERVIEW

The Antari HZ-500 is engineered for silent operation and efficient haze production, making it suitable for sensitive environments. Its robust design is ideal for touring applications.



Figure 1: Front view of the Antari HZ-500 Haze Machine, showing the control panel, power switch, and DMX connections.



Figure 2: Side view of the Antari HZ-500 Haze Machine, illustrating the fluid reservoir access point.

## SETUP

### Unpacking and Initial Inspection

1. Carefully remove the HZ-500 from its packaging.
2. Inspect the unit for any signs of shipping damage. If damage is found, contact your dealer immediately.
3. Ensure all components are present: HZ-500 unit, power cable, and this user manual.

### Fluid Installation

1. Locate the fluid tank cap on the top of the unit.
2. Unscrew the cap and carefully pour Antari HZL Haze Fluid into the tank. The tank capacity is 2.5 Liters.
3. Do not overfill. Securely replace the cap.
4. Ensure the fluid hose inside the tank is submerged in the fluid.



Figure 3: Top view of the Antari HZ-500 Haze Machine with the fluid tank access open, showing where to pour the haze fluid.

## Power Connection

- Connect the power cable to the power inlet on the rear of the unit.
- Plug the other end of the power cable into a suitable grounded electrical outlet.

## OPERATING INSTRUCTIONS

### Basic Operation

1. Ensure the unit is properly set up and filled with fluid.
2. Turn on the main power switch located on the control panel. The unit will begin to warm up.
3. Once warmed up (indicated by the display), you can control the haze output using the onboard controls or via DMX.

### Control Modes

The HZ-500 supports Volume and Timer Mode via its onboard digital control panel, and DMX 512 control.

#### Onboard Control (Volume and Timer Mode)

- Use the "Volume" knob or buttons to adjust the continuous haze output level.
- Use the "Timer" function to set intervals and durations for haze bursts. Refer to the display for settings.

## DMX Control

- Connect a DMX controller to the DMX IN port on the unit.
- Set the DMX address using the onboard digital display.
- The HZ-500 uses 1 DMX channel for haze output control. Consult your DMX controller's manual for specific programming.



Figure 4: Angled view of the Antari HZ-500 Haze Machine, highlighting the control panel and sturdy carrying handles.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your HZ-500.

### Fluid Tank Cleaning

- Periodically empty and rinse the fluid tank with distilled water.
- Do not use tap water or other cleaning agents, as they may leave residue.

### Exterior Cleaning

- Wipe the exterior of the unit with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.

### Storage

- If storing for an extended period, ensure the fluid tank is empty and clean.
- Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable disconnected; no power from outlet; blown fuse.	Check power cable connection; test outlet; check and replace fuse if necessary.
No haze output	Fluid tank empty; fluid hose not submerged; pump malfunction; clogged nozzle.	Refill fluid tank; ensure hose is submerged; contact service if pump issue; clean nozzle (refer to service manual).
Haze output is weak or inconsistent	Low fluid level; incorrect fluid type; partial clog.	Check fluid level; ensure only Antari HZL Haze Fluid is used; perform a cleaning cycle or contact service.
Unit not responding to DMX	Incorrect DMX address; faulty DMX cable; DMX controller issue.	Verify DMX address setting; test DMX cable; check DMX controller output.

For issues not listed above or if troubleshooting steps do not resolve the problem, please contact Antari customer support or an authorized service center.

## SPECIFICATIONS

Feature	Detail
Voltage (U.S.)	AC 120V 50/60HZ 4A
Voltage (Europe)	AC 230V 50/60HZ 2A
Power Consumption	480W
Fluid Consumption	1.1 ml/min (at 100% output)
Fluid Tank Capacity	2.5 Liters
Recommended Fluid	Antari HZL Haze Fluid
Operating Time (Max Output)	Approx. 37 hours
Max. Output	3,000 cu.ft / min
Control	Volume and Timer Mode, DMX 512
DMX Channels	1 Channel
Dimensions (L x W x H)	490 x 351 x 338 mm (19.3 x 13.8 x 13.3 inches)
Weight	31.5 kg (69.4 lbs)

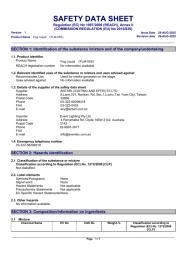
## WARRANTY AND SUPPORT

Antari products are manufactured to high standards and are typically covered by a limited warranty. Please refer to the warranty card included with your purchase or visit the official Antari website for detailed warranty terms and conditions.

For technical support, service, or spare parts, please contact your authorized Antari dealer or distributor. You can also find contact information on the official Antari website.

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## Related Documents - HZ500

 <b>Antari HZ-100 Haze Machine User Manual</b> - English - 5 pages	<p><a href="#">Antari HZ-100 Haze Machine User Manual</a></p> <p>Comprehensive user manual for the Antari HZ-100 Haze Machine, covering setup, operation, safety precautions, maintenance, technical specifications, and warranty information.</p>
 <b>Antari Fog Liquid (FLM-05S) Safety Data Sheet</b> - English - 1 page	<p><a href="#">Antari Fog Liquid (FLM-05S) Safety Data Sheet</a></p> <p>Comprehensive Safety Data Sheet for Antari Fog Liquid (FLM-05S), detailing product identification, hazard classification, composition, safe handling, storage, exposure controls, toxicological and ecological information, disposal, and regulatory compliance.</p>
 <b>Antari FT-200 Fire Training Fog Machine User Manual</b> - English - 1 page	<p><a href="#">Antari FT-200 Fire Training Fog Machine User Manual</a></p> <p>Comprehensive user manual for the Antari FT-200 Fire Training Fog Machine. This guide covers essential safety information, unpacking and inspection, product overview, setup instructions, detailed operation modes (timer, volume, DMX, wireless), control panel functions, menu settings, fluid recommendations, maintenance procedures, breaker reset, and technical specifications.</p>
 <b>Antari Z-350 Fazer User Manual - Operation and Maintenance Guide</b> - English - 1 page	<p><a href="#">Antari Z-350 Fazer User Manual - Operation and Maintenance Guide</a></p> <p>Comprehensive user manual for the Antari Z-350 Fazer, detailing safety information, setup, operation, DMX control, fluid usage, maintenance, and technical specifications for the US market.</p>



### [Antari FT-100 Fire Training Fog Machine User Manual](#)

Comprehensive user manual for the Antari FT-100 Fire Training Fog Machine, detailing setup, operation, safety precautions, maintenance, and technical specifications. Essential for fire training simulations.



### [Antari FT-55 Smoke Generator User Manual - Operation, Safety, and Specifications](#)

Comprehensive user manual for the Antari FT-55 Pumpless Off-Mains Capable Smoke Generator. Covers safety, operation, maintenance, technical specifications, and spare parts.