

Antari®

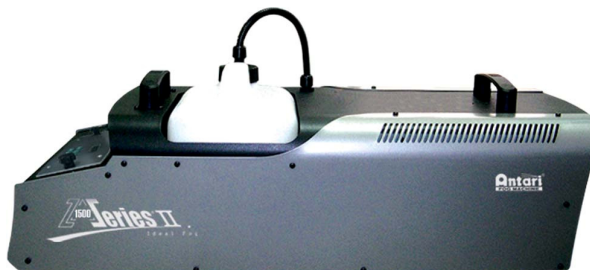
FOG MACHINE

Z-1500II and Z-3000II USER MANUAL
Z-1500II und Z-3000II BEDIENUNGSANLEITUNG
Mode D'Emploi des Z-1500II et Z-3000II Machines à Fumée

*Congratulations on the purchase of your new
ANTARI Z-SERIES II FOG MACHINE.*

Wir beglückwünschen Sie zum Kauf Ihres neuen ANTARI Z-SERIES II NEBELGERÄTES.

*Nous vous félicitons pour l'achat de votre nouvelle
Z-SERIES II machine à fumée d'ANTARI.*



CONFORMS TO
ANSI/UL STD.998
CERTIFIED TO
CAN/CSA STD.
C22.2 No.104



- ◆ Read and save these instructions
- ◆ Bitte lesen Sie diese Anweisungen und bewahren Sie sie gut auf
- ◆ Lisez et Gardez ces instructions

User Manual

Antari Z-1500II and Z-3000II Fog Machine



***Congratulations on the purchase of your new
ANTARI Z-Series II FOG MACHINE.***

Introduction

Thank you for choosing ANTARI Z-Series II Fog Machine. You now own a rugged and powerful state-of-the-art machine. Prior to use, we suggest that you carefully read all of the instructions. By following the suggestions found in this user manual, you can look forward to the reliable and satisfactory performance of your ANTARI Fog Machine for years to come.

Please follow these operation, safety and maintenance instructions to ensure a long and safe life for your fog machine.

CAUTION:

Risk of electric shock. Disconnect the appliance from the electric supply before refilling liquid, cleaning or performing maintenance on the machine.

Danger of Electric Shock

- ◆ Keep this device dry.
- ◆ For inside use only. Not designed for outside use.
- ◆ For the 110V models, use 3-prong grounded electrical outlet only. Prior to use take care to determine that the unit is installed at the rated voltage.
- ◆ Always unplug your ANTARI Z-Series II Fog Machine before filling its tank.
- ◆ Always keep fog machine in upright position.
- ◆ Turn off or unplug the machine when not in use.
- ◆ This machine is not water-proof. If moisture, water, or fog fluid gets inside the housing, immediately unplug the unit and contact a service technician or your ANTARI dealer before using it again.
- ◆ No user serviceable parts inside. Refer to your ANTARI dealer or other qualified service personnel.

Danger of Burns

- ◆ For adult use only and must be installed out of the reach of children. Never leave the unit running unattended.
- ◆ Never aim the output nozzle directly at people.
- ◆ Fog machine output is very hot. Avoid coming within 60 cm of the output nozzle during operation.
- ◆ Locate the fog machine in a well-ventilated area. Never cover the unit's vents. In order to guarantee adequate ventilation, allow a free air space of at least 20 cm around the sides and top of the unit.
- ◆ Never aim the output nozzle at open flames.

- ◆ If the supply cord is damaged, it must be replaced by manufacturer or its service agent or similarly qualified personnel in order to avoid a hazard.
- ◆ The output nozzle becomes very hot during operation (300 °C). Keep flammable materials at least 50 cm away from the nozzle.
- ◆ Always allow your ANTARI Fog Machine to cool down before attempting to clean or service it.

Danger of Explosion

- ◆ Never add flammable liquids of any kind (such as oil, gas, perfume) to the fog liquid.
- ◆ Use only high-quality, water-based fog liquid that your dealer recommends. Other fog liquids may cause clogging or “spitting”.
- ◆ Always make sure there is sufficient liquid in the tank. Operating this unit without liquid will cause damage to the pump as well as over-heating of the heater.
- ◆ If your ANTARI Z-1500II or Z-3000II Fog Machine fails to work properly, discontinue use immediately. Drain all fog liquid from the tank, pack the unit securely (preferably in the original packing material), and return it to your ANTARI dealer for service.
- ◆ Always drain tank before mailing or transporting this unit.
- ◆ Never drink fog liquid. If it is ingested, call a doctor immediately. If fog liquid comes in contact with skin or eyes, rinse thoroughly with water.

Note: Pay attention to all warning labels and instructions printed on the exterior of your ANTARI Fog Machine

Unpacking & Inspection

Open the shipping carton and verify that all equipment necessary to operate the system has arrived intact. The shipping carton should contain the following items:

1. One unit of One unit of Z-Series II Fog Machine
2. Power cord
3. Z-20 multi-function remote control with attached cord
4. User Manual

If any equipment is missing contact your ANTARI dealer immediately.

Before beginning your initial setup on ANTARI Z-1500II or Z-3000II Fog Machine, make sure that there is no evident damage caused by transportation. In the event that the unit’s housing or cable is damaged, do not plug it in and do not attempt to use it until after contacting your ANTARI dealer for assistance.

Setup

- ◆ Remove all packing materials from shipping box. Check that all foam and plastic padding is removed, especially in the nozzle area.
- ◆ Place fog machine on a flat surface and remove fog liquid tank cap.
- ◆ Fill with ANTARI fog liquid or other high-quality water-based fog fluid recommended by ANTARI dealer. Any other types of fluid can damage the unit resulting in spitting and serious clogging problem. When filled, place cap back on liquid tank. Be careful not to exceed the maximum fluid level. **DO NOT OVERFILL.**
- ◆ Firmly attach the Z-20 control module cable to the connector inside the rear chamber of the machine.

Operation

- ◆ Add fluid carefully to the liquid tank. Do not overfill the tank.
- ◆ The Plug should be in a position that is accessible when using the machine.
- ◆ Plug power cord into a grounded electrical outlet. Turn the power switch to “**ON**” on the back of the machine. Warm-up is completed when the display on the control module shows “**Ready to Fog**”
- ◆ To emit fog press the appropriate button on the control module for the desired length of time.
- ◆ The control unit display will display “Warming up” and “Ready to fog” as the machine re-heats to the proper operating temperature.

- ◆ For further information on operating your Z-1500II, Z-3000II Fog Machine, see the section titled “**Remote Control Operation**”.

CAUTION: “Visibility during operation is reduced”

This model can be operated at a floor level or sitting on any regular surface. Whatever installation method you choose, do not allow the unit to have more than 15 degree angle of inclination.

Important: Always monitor tank fluid level as you are fogging. Running a fog machine with no fluid can permanently damage the unit.

If your model includes a mounting bracket designed for overhead installation, it may be installed floor level or suspended overhead. If the unit is to be mounted using the bracket, it is important that the fog does not shoot directly at any one’s face. Whatever installation method you choose, do not allow the unit to have more than a 15 degree angle or onclination.

Note: A fluid level sensor is installed on the unit. The machine will stop to fog if the fluid is lower than the maximum level.

If you experience low output, pump noise or no output at all, unplug immediately. Check fluid level, the external fuse, remote control connection and power from the wall. If all of the above appears to be O.K., plug the unit again. If fog does not come out after holding the remote button down 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 pushing the remote button, as this may damage the unit. Return the machine to your ANTARI dealer.

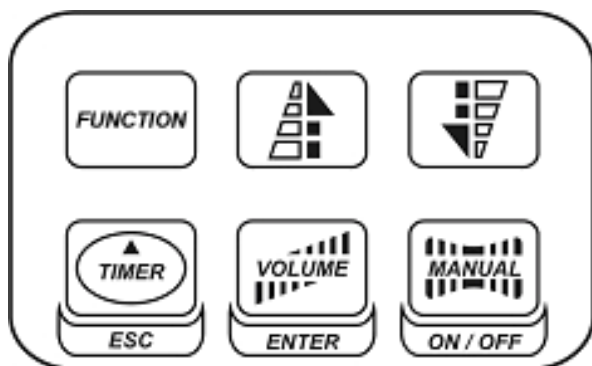
Specifications

Model Number	Z-1500II	Z-3000II
Power Supply	AC100-120V, AC230/ 50HZ-60HZ	AC100-120V, AC230/ 50HZ-60HZ
Power Consumption	1500 W	3000 W
Output Volume	ca. 700 m ³ /min.	ca. 1400 m ³ /min.
Tank Capacity	6 Liter	6 Liter
Fluid Consumption	12 min./Liter	5 min./Liter
Weight	14 Kg	20 Kg
Dimensions(mm)	L 688 W 285 H188	L 735 W 310 H 192
Remote Included	Z-20	Z-20
Optional Remote	Z-30	Z-30

Control Module Operation

- ◆ **Z-20:** A 10 meter wired multi-function remote control with 5-pin XLR connector for ANTARI Fog Machine models Z-1500II and Z-3000II. Its interface allows the operator to customize fog machine functions by adjusting fogging duration, interval and volume. Its LCD displays current operating parameters, which are automatically stored in non-volatile memory, allowing the machine to be powered down without losing function settings.

Z-20:



1. LCD-Display
2. FUNCTION-Button
3. UP-/DOWN-Button
4. TIMER-Button
5. VOLUME-Button
6. MANUAL-Button

1. Via the **FUNCTION** Button, you can adjust the desired settings. Pressing the FUNCTION Button will cycle through different options including Volume, Timer, Heat & Fan. The **ENTER (VOLUME)** Button is used to select the desired option. To adjust fog output volume setting, simply go into VOLUME option. Adjust the volume percentage (within the range of 1% to non-stop burst) by means of UP/DOWN Buttons. To adjust timer setting, go into TIMER option. Cycle through Interval (within the range of 1 to 900 seconds), Duration (within the range of 1 to 200 seconds), and Volume (within the range of 1% to non-stop burst) by means of UP/DOWN Buttons. Use ENTER (Volume) Button to select each option and make changes as desired. To turn OFF the heater and fan, go into Heat & Fan option. Use ENTER(Volume) Button to confirm the selection. Use **ON/OFF (MANUAL)** Button to turn it ON.
 2. Always press **ENTER (VOLUME)** Button to confirm setting.
 3. Press **ESC (TIMER)** Button to exit current menu level and move to an upper (previous) level.
 4. Press **TIMER** Button to activate the timer function. The display shows the adjusted interval and the device counts the seconds down to "0". After that, the fog emission is triggered at the volume adjusted under "Timer Option". The duration depends on the settings adjusted under "Duration". If you wish to deactivate the timer function, press the Timer Button once more.
 5. Press the **VOLUME** Button for immediate triggering of the fog emission at the volume adjusted under "Volume" Option. Press the VOLUME Button once more in order to stop the fog emission.
 6. Press the **MANUAL** Button for immediate triggering of the fog emission at 100% volume. Let the MANUAL Button loose in order to stop the fog emission.
 7. When in **Standby mode**, press **ON/OFF** Button to reactivate the machine.
- ◆ **Z-30:** All the Z-20 features plus wireless capability. Wireless operation is possible up to a distance of 50 meters. The address can be set from 0 to 8, which means a max. 9 different units can be controlled separately or in any combination desired. Press FUNCTION to cycle to RF mode to select desired address number. Make sure the address setting on the Z-30 matches the address setting on the transmitter. There are two buttons on the transmitter. The **blue** one is to emit fog and **red** one is to stop the operation.

Performance Note

- ◆ All fog machines develop condensation around the output nozzle. Because this may result in some moisture accumulation on the surface below the output nozzle, consider this condensation when installing your unit.
- ◆ All fog machines may sputter small amounts of fog occasionally during operation and for a minute or so after being turned off.
- ◆ All fog machines have a recycling period after long bursts when the machine will shut itself down for a short period in order to heat up again. During this time no fog can be produced.

Maintenance

Do not allow the fog liquid to become contaminated. Always replace the caps on the fog liquid container and the fog machine liquid tank immediately after filling. After every 40 hours of continuous operation, 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 particulate matter in the heating element.

The recommended cleaning regimen is as follows:

1. Empty all fog liquid from machine. Add cleaning solution to tank. Plug unit in and begin warm up.
2. Run unit in a well-ventilated area until tank is almost empty. Do not allow the pump to run dry.
3. Replace nozzle.
4. Cleaning is now complete. Refill with fog liquid. Run the machine briefly to clear any cleaning solution from the pump and heater.
5. Do not operate the fog machine without liquid at any time.

Note: All fog machines are prone to clogging due to the thick consistency of fog liquid and the high temperature at which it vaporizes. However, a properly maintained fog machine should provide years of reliable use.

Clean with a dry cloth only. Store dry.

Cleaning your fog machine regularly will help reduce costly replacement and repair charges.

Storage

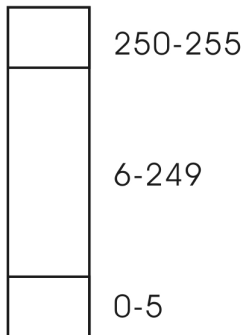
When storing, run distilled water (not tap water) through the system as described in the cleaning regimen above. This will help avoid any particles condensing inside the pump or heater.

Please read and save these instructions.

Antari Z-1500II, Z-3000II on-board DMX Fog Machine Settings

DMX Setting for Z-1500II & Z-3000II fog machines with on board DMX

Channel A



0 - 5 = OFF

6 – 249 = Volume Control (5% - 95%)

250 – 255 = Maximum Volume Output (100%)

The Z-1500II & Z-3000II Fog Machines have on-board DMX control. These two models use 1 channel to control volume output operation. Each channel has a value range of 0 to 255. Timer functions such as duration and interval can be programmed using the DMX controller or the DMX control software being used by lighting and effects operator.

If Channel A has a value from 0 to 5, the unit is OFF.

Between the values 6 to 249 the volume of fog output is regulated. With 6 being the minimum volume of fog produced and 249 approaching the maximum. The volume output rises as the DMX value is increased.

If Channel A has a value from 250 TO 255, the machine will operate at maximum output.

Note: In the example above, if the machine were assigned the DMX address of 124, Channel A would correspond to DMX address 124.

In general, Antari fog machines with onboard DMX conform to the following performance specifications:

1. Average Operating temperature = 250°C
2. Fogger can maintain maximum output for 30 seconds or more
3. Fogger can maintain constant output at 30% volume setting (roughly a value of 75).