



FT-100 Fire Training Fog Machine User Manual



CONFORMS TO
ANSI/UL STD. 499
CERTIFIED TO
CAN/CSA STD.
C22.2 NO.64-10



English • Français • Deutsch • 中文

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User Manual - English

Safety Information



Please read the following safety information carefully before operating the machine. This information includes important safeguards 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 machine to power, always check the voltage indicates 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 the 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 the 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 cause damage or malfunction to the machine.
- For adult use only. Never leave the machine running unattended.
- Install the machine 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 Antari fluid. Other fluid may lead to heater clog or 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.
 - Fog fluid may present health risks if swallowed. Do not drink fog 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 the 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 FT-100 Fog Machine
- 1 x W-2 Wireless Remote
- 1 x Power Cord
- 1 x User Manual

Product Dimensions



Product Overview

Wireless Receiver
(W-2 Wireless Remote)

Remote Control (Z-3 Remote)

XLR 5-Pin DMX Connector

XLR 5-Pin DMX Connector



Two rotary knobs
Timer / Volume

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: Turn on the machine and allow it to heat up. Heat up takes approximately 10 minutes. Once the machine has reached operating temperature, the LCD display will show “Ready To Fog”. Now the machine is ready for operation.

Step 5: To start making fog, locate the rotary knob on the right side of control panel, and press the rotary knob to start making fog.

Step 6: To turn off the machine, press rotary knob again button and turn Powercon to the **OFF** position.

Operation

Control Panel Operation

The machine can be operated with the onboard digital control interface.



Operation - Timer Mode

Rotary knob	Action	Description
Left	Press once	Activate timer mode
Right	Press second time	Deactivate timer mode
Right	Rotate	Adjust output volume

Operation – Volume Mode

Rotary knob	Action	Description
Right	Press once	Activate volume mode
Right	Press second time	Deactivate volume mode
Right	Rotate	Adjust output volume

Setting

Rotary knob	Action	Description
Left	Press and hold for 3 seconds	Enter setting menu
Left	Rotate	Scroll through menus
Left	Press	Press once to enter
Left	Rotate	Adjust for preferred value
Right	Press	Escape from menu

Control Menu

Interval Set XXX S	Set interval time from 5 to 200 seconds
Duration Set XXX S	Set duration time from 1 to 200 seconds
Timer Output XXX %	Set output volume from 1 to 100%
Volume Output XXX %	Set output volume from 1 to 100%
DMX512 Address:XXX	Set DMX address from 1 to 512
Wireless ON	Turn ON or OFF wireless remote feature
Fluid Sensor Set ON	Turn ON or OFF fluid sensor
W-DMX Power OFF	Turn ON or OFF wireless DMX module
Run Last Setting OFF	Turn ON or OFF memory setting. When turned “ON”, the machine will return to its original state before last shut off.
Keypad Sound ON	Turn ON or OFF rotary knob sound

<div>Wireless Detect</div> <div>Pair</div>	Pair or unpair wireless remote
<div>Nonstop Burst</div> <div>OFF</div>	Turn ON or OFF nonstop burst function. Once the machine is turned on, it can produce output continuously without reheating.

Wireless Operation

Wireless remote control system W-2 consists of a transmitter equipped with four buttons to activate, deactivate, increase and decrease fog output and an onboard receiver attached to the rear panel of FT-100 fog machine.



W-2 Wireless Transmitter

Press [A] button to emit fog. Press [B] button to stop. Press [C] button to increase output volume. Press [D] button to decrease output volume.

In an unobstructed open space the effective distance is 50 meters, usage depending on obstacle level the effective distance is 10-25 meters.



Wireless Receiver

Registering a transmitter

Transmitters can be paired or deleted from the receiver. Each receiver can pair up to 5 transmitters. Follow the steps below to pair or delete a transmitter from a receiver.

Step 1: Press and hold the left rotary knob for 3 seconds to enter setting menu.

Step 2: Rotate the rotary knob to find the “Wireless Detect” menu.

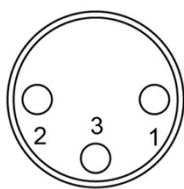
Step 3: Follow the menu instruction to pair or delete a transmitter.

Transmitter battery replacement

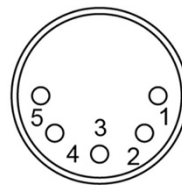
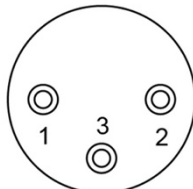
If the effective distance seems to decrease, it is possible the battery level is low and requires replacement. In order to replace the battery, undo the three screws on the back of transmitter to release the cover. Replace with the same type and specification of battery which is 27A 12V

DMX Connector Pin Assignment

The machine provides a 5-pin XLR connector 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	N/A
5	N/A

DMX Channel Function

Channel 1	DMX Value Range	Function
Fog	0 – 4	Fog Off
	5 – 255	Output 1-100%

Fluid



Only use Antari FLP water-based liquid for the FT-100 Fire Training Fog 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 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 prevent 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.

Breaker Reset



Disconnect AC power before resetting the breaker. Only replace fuse with same type and rating.

Step 1: Disconnect AC power.

Step 2: Flip breaker to ON position.

Step 3: Turn on machine for testing.

Breaker

120V = 15A 250V

230V = 7A 250V



Technical Specifications

- Input voltage	US model : AC 100-120V, 50 / 60Hz 12A EU model : AC 220-240V, 50 / 60Hz 6A
- Rated power	120V 1500W 240V 1450W
- Warm-up time	8.5 minutes (approx.)
- Fluid consumption	100 ml/min
- Fluid tank capacity	6l (1.59gal)
- Compatible fluid	Antari FLP Fire Training Fog Fluid
- Ambient temp. range	0 °C - 40 °C (32 °F-104 °F)
- Output	20,000 ft ³ /min (566 m ³ /min)
- Control	DMX512, Timer, Manual, Wireless
- DMX channels	1 channel
- Connection	Neutrik Powercon (Power) XLR 5-pin (DMX)
- Optional accessories	Z-3 cable remote
- Dimension	L580 W278 H264 mm (L22.83 W10.94 H10.39 inch)
- Weight	14.6 kg (32.19 lbs)