Antari FOG MACHINE

USER MANUAL

ENGLISH

V1.0



M-7X

Product code: 60770

Jet Fog Machine

Imported by Highlite International B.V.

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1. Introduction

Please read all the user manual before operating the machine, and place the manual where the user can refer to it at all times. The manual includes how to install and operate the machine under safe conditions and explains all the labels printed on the machine. If you encounter any problem, contact your local Antari dealer for assistance immediately.

2. Safety Information

DANGER	If the danger is not avoided, it will cause death or serious injury
WARNING	If the warning is not heeded, it can cause death or serious injury.
CAUTION	If the precaution is not taken, it may cause minor or moderate injury.

DANGER

- Must connect the machine to the correct rated voltage or it might lead to an electrical shock or a burn and may cause serious consequences.
- Must connect the machine to a protected circuit and ensure it is properly grounded to avoid the risk of electrocution. For grounding instruction, please refer to Appendix I on page 15.
- Do not operate the machine with a bundled power cord, it could lead to a fire hazard.
- When operating the machine, do not point at people, animals, or fire.

WARNING

- Machine's nozzle is extremely hot, please keep at least 50cm distance from the nozzle when the machine is running.
- Please operate the machine on a flat, level hard and well ventilated surface area, reserve at least 50 cm space around the machine and make sure there is no flammable gas or material nearby.
- Do not disassemble, repair or modify the machine, it may cause damages, malfunction, risk of electrical shock or result in fire.
- The machine can only be operated by adults or professionals, is not intended for use by person with reduced physical sensory, mental capabilities, or lack of experience and knowledge including children.
- Do not leave the machine running unattended, make sure all powers are off when leaving.
- Children should be supervised to ensure that they do not play with the machine.
- Do not use the machine upside down or tilt it, it might cause damages or malfunction.

- Please store the fluid inside in a well ventilated area without direct sunlight and keep out of reach of children. In case of eye contact or accidentally swallow the fluid, please seek medical attention immediately.



CAUTION

- Keep the machine dry at all times. The machine is not waterproof, do not expose the machine to water, rain, or moisture environment.
- Please make sure the power outlet is not damaged or loose before plug in the power cord.
- If the power cord is damaged, it must be replaced by Antari or its local dealers, otherwise the warranty will be void.
- Before transporting the machine, please make sure the fluid is drained and tank is empty. (Recommend using original package)
- The machine is for indoor use only.
- Do not operate the machine in any area with unstable voltage.
- If you experience strange sound or malfunction, turn off the power and unplug the power cord immediately and contact your local Antari dealer for assistant.
- Do not contact any moving part.
- Only use accessories recommended or sold by Antari.
- Please make sure the power is off when not using the machine and unplug the power cord if not intend to use for a long period of time.
- To disconnect, turn all controls to the off position, then remove plug from outlet.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Unplug from outlet before servicing or cleaning.
- Do not operate the machine with a damaged cord or plug, or after the machine malfunctions or is dropped or damaged in any manner. Return machine to the nearest authorized service facility for examination, repair, or electrical or mechanical adjustment.
- To ensure the lifespan of the machine, please only use the fluid manufactured by Antari, do not use other fluid or additive, otherwise it may clog the heater and cause malfunction.

Before operating the machine, please read all warning labels on the machine, description as below;

Upper Cover Printing
HOT NOZZLE

Fluid Cover Printing
LIQUID
PLEASE USE ANTARI FLC FLUID ONLY

Right Cover Printing
WARNING!
DISCONNECT POWER BEFORE CHANGING FUSE
USE ONLY WITH ADULT SUPERVISION
DO NOT OPERATE WITHOUT LIQUID
FOR INDOOR USE ONLY. KEEP DRY
NO USER SERVICEABLE PARTS INSIDE

3. Package Contents & Inspection

Immediately upon receiving the machine, carefully unpack the carton, check the content to ensure it is the correct model and all parts are included. If any part appears to be damaged or missing during transportation, please contact your local dealer and return in original package for inspection.

3.1. Package Contents

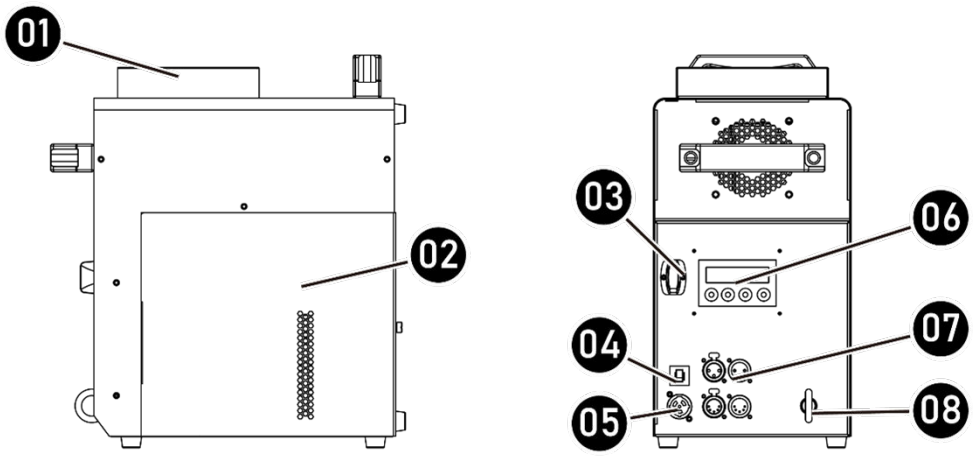
1 x M-7X Jet Fog Machine
1 x 2.4 Liter Fluid Tank
1 x W-2 Wireless Transmitter
1 x Neutrik powerCON True1 Power Cable
1 x Quick Start Guide

3.2. Optional Accessories

Item Code	Description
TIMO-WTR-90	W-DMX Add-on Module

4. Machine Details

Figure 1



01. Fog Nozzle with LED	05. Neutrik powerCON True1 Connector
02. 2.4 Liter Fluid Tank	06. Onboard Digital Control Interface
03. W-2 Wireless Receiver	07. XLR 3-Pin/5-Pin DMX Connector
04. Breaker	08. Safety Ring

5. Technical Label Information

Please read the technical label information on the back of the machine before operating it.

Figure 2



1. Model Name	5. Breaker/Fuse
2. Input Voltage	6. QR CODE for User Manual
3. Frequency	7. Serial No.
4. Rated Power	

6. Fog Fluid

CAUTION
Always turn off the power before filling the fluid tank. Do not add flammable liquid to the fluid tank. If fluid gets inside the machine, please contact your local Antari dealer for assistant.

- Only the fog fluid manufactured by Antari can be used, do not mix or dilute the fog fluid. Due to improper storage or using other fluid might cause malfunction.
- The machine is tested and calibrated with the specific fog fluid to get the best performance.
- Please empty the fluid in the tank before switching to another fluid to avoid mixing.
- Only the essence manufactured by Antari can be used, and add according to the ratio recommended by Antari (Recommended ratio is 1:1000), if using other essence or different ratio might clog the heater and cause malfunction.
- The warranty on your fog machine will be void if you use fog fluid not manufactured by Antari.

7. Setting and Manual Operation

WARNING
Machine falling off might cause serious injury, please make sure it is secure and firm on the overhead.

01) Place the machine on a flat, level hard and well ventilated surface area and reserve at least 50 cm open space around the machine, and make sure there is no flammable gas or material nearby;
02) Fill the fluid tank with Antari approved fog fluid, and make sure the tube is not twisted;
03) Connect the machine to the power outlet. Please read the technical label (see 5. Technical Label Information on page 7) on the back of the machine and make sure the power outlet is the correspond to the rated voltage for the machine;
04) Turn on the machine, warm up process takes approximately 7 minutes. Once the machine has reached operating temperature, the LCD display will show "Ready To Fog". Now the machine is ready for operation;
05) Please read "8. Control settings (see 8. Control Settings on page 8)" to operate the machine;
06) To turn off the machine, please make sure the machine is not operating then turn of the power. If you will not use the machine a long period of time, please remove the power cord.

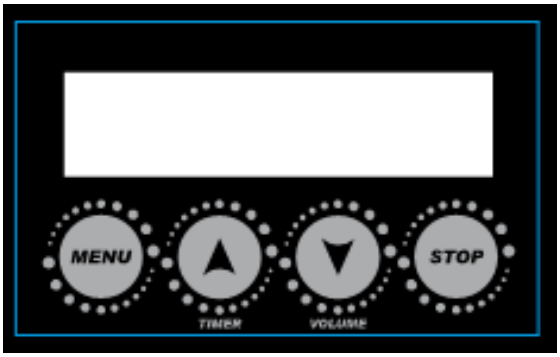
8. Control Settings

M-7X Jet Fog Machine can be operated in the following modes. The machine can only accept 1 type of signal at a time. When using different control modes at the same time, the machine will work according to built-in control priority as follow:

- Manual
- Timer
- DMX512
- Wireless
- Master/Slave
- W-DMX

8.1. Control Panel Description

Figure 3



M-7X Fog Machine can be operated with the onboard digital control interface.

Button	Operating Method	Action
	Press	Enter menu
	Press	Up/Increase value
	Press	Down/Decrease value
	Press	1. Start fogging in TIMER mode according to the set time
	Press	1. Start fogging in VOLUME mode according to the set volume
	Press	1. Leave setting menu 2. Stop fogging

8.2. Menu Options Description

Options	Description
DMX 512 Address: 1	Set DMX Address from 1 – 504
Stand Alone Set Master/Slave	Set Machine as Master or Slave Unit
Color Mode On/Off	Turn built-in LED color mode ON / OFF
Color Mode Marco: 01-10	Set LED Output Color from Marco 1 – 10
Color Mode Chase: 01-15	Set LED Chase from 1 – 15
Timer Interval 15 Sec	Set Interval from 15 – 360 seconds
Timer Duration 15 Sec	Set Duration from 1 – 5 seconds
Wireless Setting On	ON / OFF W-2 Wireless Control Function
Wireless Setting Button A:M01/Off	Set Wireless Transmitter Button Function Marco Color 1 – 10 or Chase 1 – 15 and Off
Wireless Setting Button B:M01/Off	Set Wireless Transmitter Button Function Marco Color 1 – 10 or Chase 1 – 15 and Off
Wireless Setting Button C:M01/Off	Set Wireless Transmitter Button Function Marco Color 1 – 10 or Chase 1 – 15 and Off
Wireless Setting Button D:M01/Off	Set Wireless Transmitter Button Function Marco Color 1 – 10 or Chase 1 – 15 and Off
LED Setting Fog Only/Always On	Set LED to Turn On with Fog Only or Always On
LED Fade Out Delay: 0 Sec	Set LED Delay Time before Off between 0 – 5 seconds
Run Last Setting On/Off	ON / OFF
2 – 7 Sec Jet Mode Off/2-7s	ON / OFF 2 – 7 sec Jet Mode (Output can set between 2 – 7 seconds)
W-DMX512 On/Off	ON / OFF W-DMX
W-DMX Reset Yes	W-DMX Pairing Mode

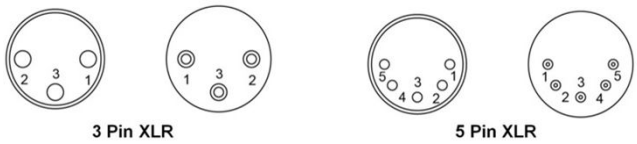
8.3. Status of W-DMX Connection

Signal on LCD Display	Wireless DMX Status
○	Transmitter not assigned
◎	Transmitter assigned, no DMX signal
⊙	Transmitter link lost or linking to transmitter
●	Transmitter assigned, DMX signal received

9. DMX Connection

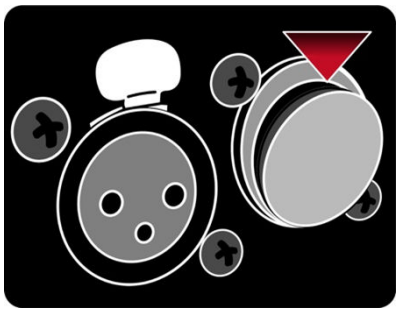
9.1. DMX Connector Pin Assignment

This machine has a XLR 3-Pin and 5-Pin 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

**There is a protection cap on DMX IN, please remove it with your finger before operation.



9.2. DMX Channel Function

Channel Mode		DMX Value Range	Function
Channel 1	Fog	0 – 4	Off
		5 – 255	On (Last for 20s)
Channel 2	Red LED	0 – 255	0 – 100%
Channel 3	Green LED	0 – 255	0 – 100%
Channel 4	Blue LED	0 – 255	0 – 100%
Channel 5	Amber LED	0 – 255	0 – 100%
Channel 6	Chase	1 – 15	Chase 1
		16 – 31	Chase 2
		32 – 47	Chase 3
		48 – 63	Chase 4
		64 – 79	Chase 5
		80 – 95	Chase 6
		96 – 111	Chase 7
		112 – 127	Chase 8
		128 – 143	Chase 9
		144 – 159	Chase 10
		160 – 175	Chase 11
		176 – 191	Chase 12
		192 – 207	Chase 13
		208 – 223	Chase 14
		224 – 255	Chase 15
Channel 7	Chase Speed	0 – 255	0 – 255 step per min
Channel 8	Master Dimmer	0 – 255	0 – 100%
Channel 9	Strobe	0 – 255	1 – 20 Hz

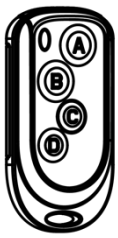
10. WTR-20 Wireless Remote (Standard)

WTR-20 Wireless Remote is a standard accessory for M-7X Jet Fog Machine, it included a W-2 wireless transmitter and a W-2 wireless receiver (Already on the machine) and it's ready to use. If you encounter any problem, please contact your local Antari dealer for assistant.

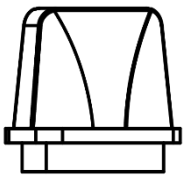
10.1. W-2 Wireless Transmitter & Receiver

- Battery : 27 A 12 V
- Effective Range : The effective range is approximately 50 meter, depends on actual condition, it may vary
- W-2 wireless transmitter has 4 buttons, each function as follow:

Button	Function
[A]	Refer to 8.2
[B]	Refer to 8.2
[C]	Refer to 8.2
[D]	Refer to 8.2



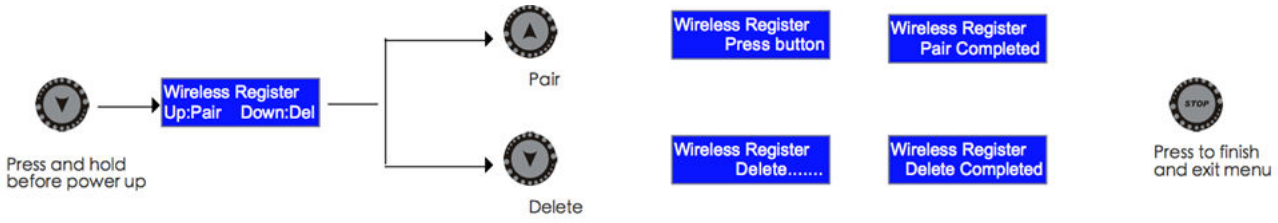
W-2 Wireless Transmitter



W-2 Wireless Receiver
(Already on the machine)

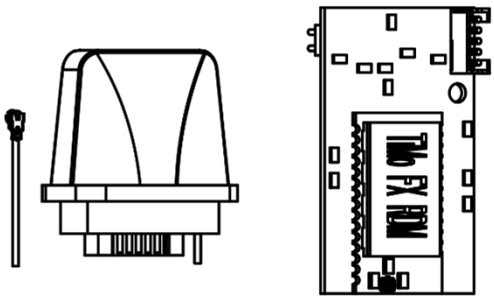
10.2. Pair & Unpair

Each receiver can pair up to 5 transmitters, please follow the steps below to pair or unpair the transmitter;



10.3. TIMO-WTR-90 W-DMX Add-on Module (Optional)

Figure 4



TIMO-WTR-90 W-DMX Add-on Module is for Wireless ready machine wanting to add W-DMX function, it's an optional accessory for M-7X Fog Machine. If you already purchased the machine with this option, it's ready to use and if you purchase afterward, please see the installation manual. If you encounter any problem, please contact your local Antari dealer for assistance.

11. Service and Maintenance

DANGER
Disconnect the power cord before starting maintenance operation

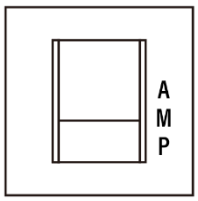
- Always keep the machine clean.
- Can use an air compressor, a vacuum or a soft brush to remove the dust on the machine.
- Can use a slightly damp cloth to clean the casing.
- Before storing the machine, please make sure the machine is completely cooled down to avoid moisture inside causing malfunction.
- It is recommended to run the machine at least once a month in order to maintain the machine's best performance and output condition.
- Excessive dust and build up liquid residue will reduce the performance and cause overheating.

11.1. Breaker Reset

Please follow the instructions below to reset the breaker;

01) Disconnect AC power
02) Flip breaker to "ON" position
03) Turn on machine for testing
**If the breaker still jumps off after reset, please contact your local Antari dealer for assistance.

Figure 5



Breaker Specification
100V = 16A 250V
120V = 15A 250V
240V = 9A 250V

12. Technical Specifications

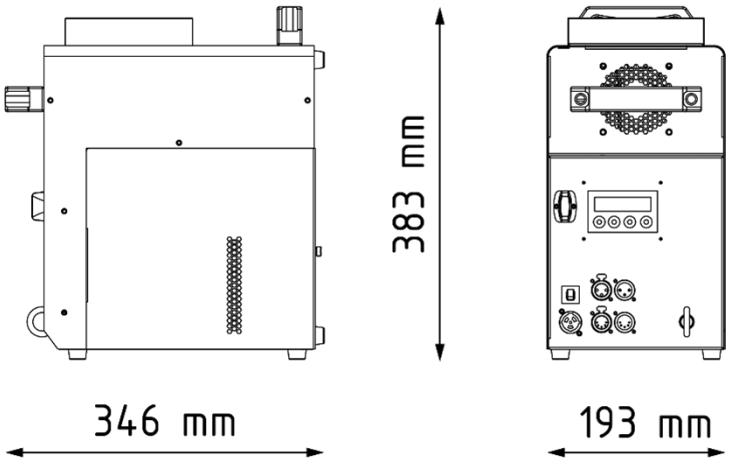
	M-7X
Input Voltage	US Model : AC 100 - 120 V, 50 / 60 Hz 13.0 A EU Model : AC 220 - 240 V, 50 / 60 Hz 6.5 A
Rated Power	1516 W
Light Source	22 X 3 W LED (5Red, 6Green, 6Blue, 5Amber)
Warm-Up Time	7 Minutes (approx)
Fluid Consumption	200 ml/min (100% Output)
Fluid Tank Capacity	2.4 Liters (0.63 Gallon)
Compatible Fluid	Antari FLC Super Light Fog Fluid
Ambient Temp. Range	0°C - 40°C (32°F - 104°F)
Output	10 Meters Height
Control Methods	Manual Timer DMX 512 Master / Slave Wireless Wireless DMX (Optional)
DMX Channels	9 Channel
Interface	Neutrik powerCON TRUE 1 (Power) XLR 3-Pin & 5-Pin (DMX)
Included Accessories	W-2 Wireless Transmitter
Optional Accessories	TIMO-WTR-90 Wireless DMX
Dimension	L346 W193 H383 mm L13.62 W7.60 H15.00 inch

13. Warranty Disclaimer

We guarantee the merchandise manufactured by us to be free from defect in material and workmanship for a period of one year. Our obligation and liability under this warranty shall be restricted to repair or replacement at our factory or local authorized dealer. We assume no liability of the products that are improperly used or used for any purpose other than that for which they are specially designed. This warranty shall not apply to any merchandise which has been repaired, altered or assembled outside our factory in any way so as in our judgment to affect its performance, nor which has been subjected to misuse, negligence, or accident nor to any merchandise operated contrary to our printed instructions. We will not allow or be liable of any loss or any damages of any kind in connection with the use, sale, or repair of any merchandise purchased from us.

14. Machine Dimension

Figure 6

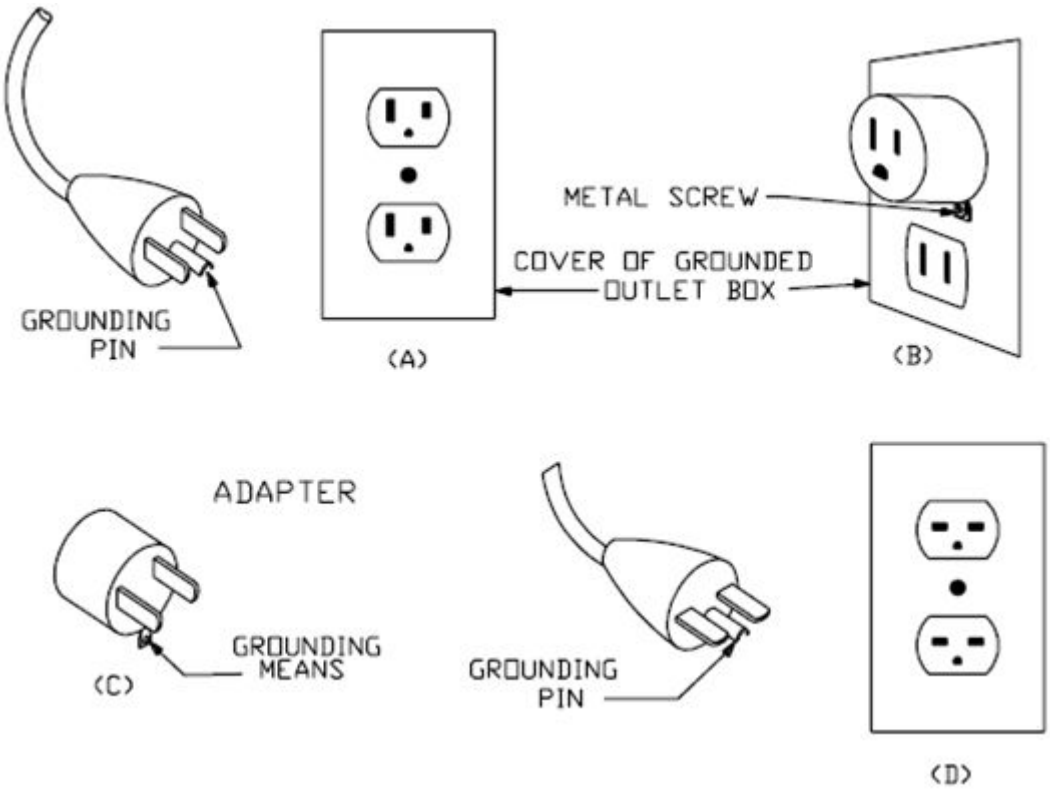


15. Appendix 1 Grounding Instruction

This appliance must be grounded. In the event of malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

DANGER – Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120 V circuit, and has a grounding plug that looks like the plug illustrated in sketch A in Figure. A temporary adaptor, which looks like the adaptor illustrated in sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet can be installed by a qualified electrician. The green colored rigid ear, lug, and the like, extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by the metal screw.



Antari is imported by Highlite International B.V.