



# **W-515 & W-530 Fog Machine User Manual**



Please read and save these instructions.  
Antari Lighting and Effects Ltd.



# User Manual

## W-515 & W-530 Fog Machine

Congratulations on the purchase of your new  
ANTARI W-Series FOG MACHINE.

### Introduction

Thank you for choosing an ANTARI W-Series 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 all 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 W-Series 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

- This device is 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 50 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 (200°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 might cause damage to the pump as well as over-heating of the heater.
- If your ANTARI W-515 & W-530 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 W-515 or W-530 Fog Machine
2. Power cord
3. One Set of W-1 transmitter
4. User Manual
5. Mounting hanging brackets with washers/screws

If any equipment is missing contact your ANTARI dealer immediately.

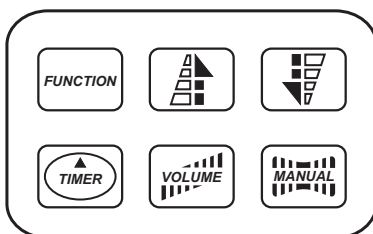
Before beginning your initial setup on ANTARI W-515 & W-530 Fog Machine, make sure that there is no evident damage caused by transportation. In the event that the unit's housing or cable is damaged, do not plug it in and do not attempt to use it until after contacting your ANTARI dealer for assistance.

## 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.
- Place the liquid tube into a properly filled liquid tank.
- Fill with high-quality, water-based fog liquid recommended by ANTARI dealer. The W-515 & W-530 only works with uncontaminated Antari FLR or FLG Fog Liquid. Any other types of liquid 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.

## Operation

### Control Panel Instruction



There are total 6 buttons on the control panel of Antari W-515/W-530. They are **Function**, **Timer**, **Up**, **Down**, **Volume**, and **Manual** respectively. User can adjust the desired settings in the sub-menus as followings:

When the heat-up process is completed, the LCD (Liquid Crystal Display) screen shows "Ready To Fog W" (\* "W" means the machine is under wireless control mode.)

1. When LCD displays "Ready To Fog", press **FUNCTION** button once, the LCD screen shows **INTERVAL SET**. Under this status, user can adjust the fog output interval of Timer mode (the range is between 1 and 200 seconds) by **UP / DOWN** buttons.
2. When LCD displays "Ready To Fog", press **FUNCTION** button twice, the LCD screen shows **DURATION SET**. Under this status, user can adjust the fog output duration of Timer mode (the range is between 1 and 200 seconds) by **UP / DOWN** buttons.
3. When LCD displays "Ready To Fog", press **FUNCTION** three times, the LCD screen shows **TIMER OUT**. Under this status, user can adjust the fog

output volume of Timer mode (the range is between 1% and 100%) by **UP** / **DOWN** buttons. User can trigger Timer mode when LCD shows "Ready To Fog" and press **Timer** button and when machine is working under Timer mode, pressing **Timer** button again can end Timer mode.

**Note:** There is a Non-Stop Burst function between Timer Out 1% and Timer Out 100%. Choosing this function can make machine generate continuous fog output under Timer mode.

4. When LCD displays "Ready To Fog", press **FUNCTION** four times, the LCD screen shows "VOLUME OUT". Under this status, user can adjust the fog output volume of Volume mode (the range is between 1% and 100%) by **UP** / **DOWN** buttons. User can trigger Volume mode when LCD shows "Ready To Fog" and press **Volume** button and when machine is working under Volume mode, pressing **Volume** button again can end Volume mode.

**Note:** There is a Non-Stop Burst function between Volume Out 1% and Volume Out 100%. Choosing this function can make machine generate continuous fog output under Volume mode.

5. When LCD displays "Ready To Fog", press **FUNCTION** five times, the LCD screen shows **DMX 512 ADD**. Under this status, user can adjust the DMX address by **UP** / **DOWN** buttons.
6. When LCD displays "Ready To Fog", press **FUNCTION** six times, the LCD screen shows Wireless On. Under this status, pressing either **UP** or **DOWN** button once can switch off the wireless function. On the other hand, when the LCD shows Wireless Off, pressing either **UP** or **DOWN** button once can switch on the wireless function.
7. When LCD displays "Ready To Fog", keeping pressing **Manual** button can force machine generate 100% full fog output. As soon as releasing **Manual** button, machine stops fogging immediately.
8. There is an "Optoelectronics Fluid Sensor" inside the W-515/W-530 Thus, when the fluid tank is empty, the pump will be cut off automatically. At this time, the LCD screen will show "Empty Fluid". Please add sufficient fog fluids into fluid tank and then keep pressing **Manual** button until the "Empty Fluid" is relieved (dis-alarmed) on the LCD screen.
9. On W-515 and W-530, if the fluid sensor is not needed, user can switch it off. When LCD displays "Ready To Fog", press **FUNCTION** seven times, the LCD screen shows "Fluid Sensor On". Under this status, pressing either **UP** or **DOWN** button once can switch off the fluid sensor. On the other hand, when the LCD shows "Fluid Sensor Off", pressing either **UP** or **DOWN** button once can switch on the fluid sensor.
10. When the heating process of the fog machine is completed and ready to fog, the status of wireless function and fluid sensor on the LCD screen are as followings:

- When the wireless function is on, LCD displays "Ready To Fog W" (W means Wireless)
- When the fluid sensor is on, LCD displays "Ready To Fog S" (W means Sensor)
- When the above two features both are on, LCD displays "Ready To Fog WS"
- When the above two features both are off, LCD displays "Ready To Fog"

## Instructions of Radio Wireless Remote

### \* Transmitter:

- Use DC 12V battery
- Working Distance: 50 meters in open area  
(Wireless distance may vary depending on the interference)
- All transmitters are compatible to any receiver.



### \* Receiver:

- The receiver is pre-equipped firmly and tested to each of the W-515 & W-530 (rear panel), please do not try to remove it.

Radio Wireless Remote Functions and Setting:



1. All receivers can receive signals from any registered transmitter.
2. Each receiver at most can record 5 transmitters.

3. The included transmitter has been registered before shipment. User can use it directly without any setting. The initial setting is pressing button A can trigger the machine and pressing button B can stop it.
4. If user wants to use other transmitters (except the included one) to control machine, the setting must be completed within 15 seconds after switching on machine. 15 seconds after switching on machine, it will leave "transmitter setting mode" automatically.

#### **Setting Example 1:**

If user wants to register other 3 transmitters, when machine is turned on and LCD (Liquid Crystal Display) screen shows "Wireless Setup", user has to press the button A of each transmitter for 1 second rapidly within 15 seconds to complete the registration of the 3 transmitters.

Please note that 15 seconds after switch on machine, when LCD screen shows "Wireless Setup OK", it represents that machine has left "transmitter setting mode". At this point, user can not add any transmitter to the receiver.

#### **Setting Example 2:**

If user wants to use 1 transmitter to control 2 or more machines, user has to turn on 2 (or more) machines at the same time, and press the button A of the transmitter when the LCD screen shows "Wireless Setup" for 1 second within 15 seconds. (The same procedure as registering transmitter to 1 machine)

5. If no any new transmitter is registered when machine is switched on, the memory of the receiver will remain the same record of last operation.
6. Please note if a new transmitter is registered when machine is switched on, no matter how many new transmitters is registered (at most 5), all previous transmitters registered record will be cleared (overridden).

## **On-board DMX settings**

This fog machines are DMX on board. It uses 1 channel to control volume output. This 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 used by the lighting and effects operator.

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

Between the values 6 to 255 the volume of fog output is regulated. With 6 being the minimum volume of fog produced and 254 approaching the maximum. The volume output rises as the DMX value is increased.

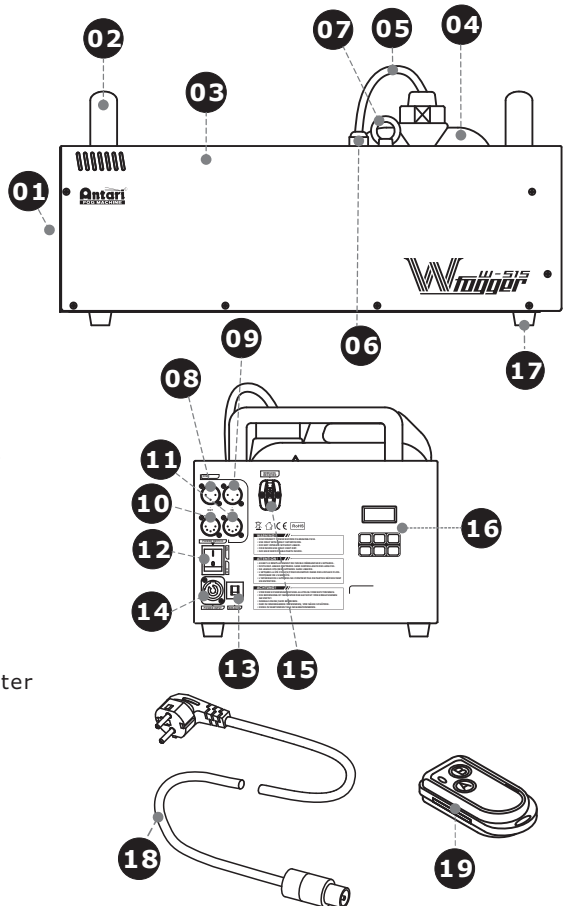
**Note:** If the unit is assigned to DMX address 124 e.g., Channel A corresponds to DMX address 124.

**Note**

\* If you experience low output, pump noise or no output at all, unplug immediately. Check fluid level, the external fuse, 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 pressing the remote button 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 continue pressing the remote, as this may damage the unit. Return the machine to your ANTARI dealer.

**W-515 External View**

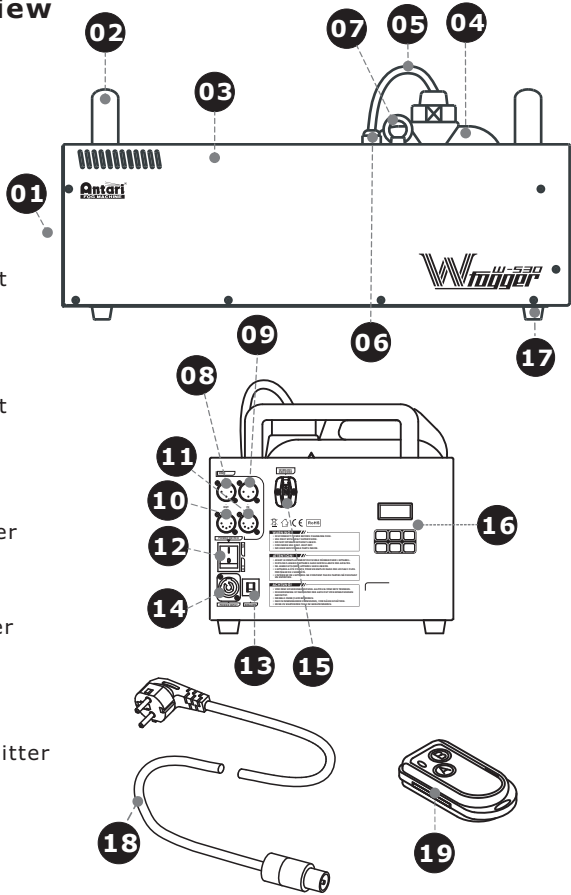
- 01-Nozzle
- 02-Handle
- 03-Body
- 04-Tank & tank's cap
- 05-PU tube & filter
- 06-Tube adaptor
- 07-Safety ring
- 08-Control outlet socket (3 Pin XLR for DMX)
- 09-Control inlet socket (3 Pin XLR for DMX)
- 10-Control outlet socket (5 Pin XLR for DMX)
- 11-Control inlet socket (5 Pin XLR for DMX)
- 12-Rocker switch / Power
- 13-Circuit breaker
- 14-Power socket
- 15-W-1 wireless receiver
- 16-Control panel
- 17-Foot
- 18-Power cord
- 19-W-1 wireless transmitter





## W-530 External View

- 01-Nozzle
- 02-Handle
- 03-Body
- 04-Tank & tank's cap
- 05-PU tube & filter
- 06-Tube adaptor
- 07-Safety ring
- 08-Control outlet socket (3 Pin XLR for DMX)
- 09-Control inlet socket (3 Pin XLR for DMX)
- 10-Control outlet socket (5 Pin XLR for DMX)
- 11-Control inlet socket (5 Pin XLR for DMX)
- 12-Rocker switch / Power
- 13-Circuit breaker
- 14-Power socket
- 15-W-1 wireless receiver
- 16-Control panel
- 17-Foot
- 18-Power cord
- 19-W-1 wireless transmitter



## Technical Specifications

Model	W-515	W-530
Power Supply	100~240V AC 50/60 Hz	100~240V AC 50/60 Hz
Power Consumption	1,500 W	2,450 W
Output Volume	20,000 cu.ft/min (566 m <sup>3</sup> /min)	40,000cu.ft/min (1132 m <sup>3</sup> /min)
Tank Capacity	6 liters	6 liters
Fluid Consumption	8.3 min / liter	5.3 min / liter
Weight	14 kg	19 kg
Dimensions (LxWxH)	561 x 278 x 186 (mm)	581 x 278 x 186 (mm)
Remote Included	W-1	W-1
Wireless		
Warm-up Time	11 min	12 min

## 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.

## Cleaning and Storage

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. Cleaning your fog machine regularly can help you to reduce the frequency of parts replacement and the cost of maintenance. After every 40 hours of continuous operation, it is recommended to use distilled water to clean the heater as per following steps:

### **The recommended cleaning steps is as follows:**

1. Fill proper distilled water into a clean tank and place the fluid tube of the fog machine to the tank.
2. Run the unit in a well-ventilated area until the tank is almost empty.
3. Use dry cloth to wipe the fog machine. Cleaning is now completed. Refill with fog liquid. Run the machine briefly to clear any remaining liquid from the pump and heater.

**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.**

If the fog machine is not in use, please clean it before storage. Store the fog machine in a dry and cool place. At least operate the fog machine once a month.

## Warranty

Warranty shall be valid only if the product is purchased from Antari's authorized distributors or dealers. For warranty service, send the product only to an authorized distributor or dealer.

All warranties are void if the product has been modified in any manner; if the product has been repaired or serviced by unauthorized personnel; or the product is damaged due to improper use or maintenance as set forth in the instruction manual.

This is not a service contract and does not include standard maintenance or cleaning. All expendables are not covered by this warranty.

Additional warranties provided at the discretion of the distributor dealers shall remain the sole obligation of the distributor or dealer.

Always quote the unit's serial number and model name when contacting your distributor for information or assistance.

**Please read and save these instructions.**











**Antari**  
FOG MACHINE

For current product information visit Antari at :  
[www.antari.com](http://www.antari.com), [www.antari.com.tw](http://www.antari.com.tw)  
For information requests please contact us at :  
[sales@antari.com](mailto:sales@antari.com)



C08W50200