Z-1520 RGB

Fog Machine User Manual

English

User Manual - English

Safety Information

⚠ Please read the following safety information carefully before operating the machine. Information includes important safety information 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 voltage indicate on machine match to your local AC voltage. Do not use the machine if AC power voltage does not match.
- Disconnect the machine from 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 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, unauthorized technician may lead machine to damage or malfunction.
- For adult use only. Never leave the machine running unattended.
- Installed in well ventilated area. Provide at least 50 cm 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 and malfunction.
- If the machine fails to work, unplug the machine and stop operation immediately. Contact your local Antari dealer for advise.

- Before transporting the machine, make sure the fluid tank is completely drained.
- Smoke fluid may present health risks if swallowed. Do not drink smoke 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 all 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 retrain the packing material for inspection.

What is included: 1 x Z-1520 RGB Fogger
1 x W-2 Wireless Remote
1 x Power Cord
1 x User Manual

Product Dimension

418 mm

210 mm

295 mm

Product Overview

XLR 5-Pin DMX Connector
XLR 3-Pin DMX Connector
PowerCon
Breaker
Wireless Receiver

LCD Control Panel

Tank Capacity : 2.5 liter

22 x 3W LED
(8R, 7G, 7B)

Setting Up

Step 1: Place the machine on a flat surface and in a suitable large area with at least 50 cm open space around the machine.

Step 2: Fill the fluid tank with Antari approved fluid.

Step 3: Connect the machine to suitable 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 approximatly 5 mintues. 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 Volume button on the control panel, and press the button to start making fog.

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

Operation

Control Panel Operation

The machine can be operated with onboard digital control interface
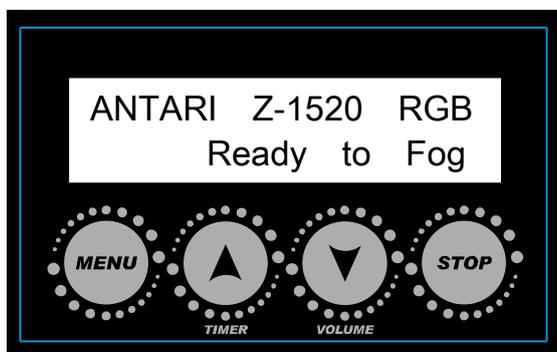
Button	Function
[MENU]	Scroll through setting menu
▲ [UP]/[TIMER]	Up/Activate Timer function
▼ [DOWN]/[VOLUME]	Down/Activate Volume function
[STOP]	Deactivate Timer/Volume function

Control Menu

DMX512	
Address: 1	Set DMX address from 1 to 504

Stand Alone	
Set Master	Set machine as Master of Slave unit

Color Mode On	Turn LED On or Off

Color Mode Marco:01	Set LED output color from macro 1 to 10

Color Mode Chase:01	Set LED chase from 1 to 15

Timer Interval 15 Sec	Set interval from 15 to 360 seconds

Timer Duration 5 Sec	Set duration from 1 to 5 seconds

Wireless Setting On	Turn On or Off wireless control

Wireless Setting Button A:M01	Set wireless remote button function macro color 1 to 10 or chase 1 to 15 and off.

Wireless Setting Button B:M01	Set wireless remote button function macro color 1 to 10 or chase 1 to 15 and off.

Wireless Setting Button C:M01	Set wireless remote button function macro color 1 to 10 or chase 1 to 15 and off.

Wireless Setting Button D:M01	Set wireless remote button function macro color 1 to 10 or chase 1 to 15 and off.

LED Setting Fog Only	Setting for LED to turn on with fog only or always on.

LED Fade Out Delay: 0 Sec	Set LED delay time from 0 to 5 seconds.

Run Last Setting On	Turn On/Off run last setting function

Wireless Operation

Wireless remote control system W-2 consist of a transmitter equipped with four buttons to activate four user configurable LED setting and fog; with an onboard receiver attach to the rear panel of Z-1520 RGB.

W-2 Wireless Transmitter

Wireless Receiver

Wireless settings are configurable through onboard control panel, refer to control menu

section to setup each buttons.

In a free open space the effective distance is 50 meters, actual usage depending on obstacle level the effective distance is 10-25 meters.

Registering transmitter

Transmitter can be pair or deleted from the receiver. Each receiver can pair up to 10 transmitters. Follow below steps to pair or delete transmitter from receiver.

Step 1: Power off Z-1520 RGB Fogger

Step 2: Press and hold [DOWN] button

Step 3: Turn power on and release [DOWN] button when LCD display blinks

Step 4: Follow the menu instruction to pair or delete transmitter


Transmitter battery replacement

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

DMX Connector Pin Assignment

The machine provide 3 or 5 pin XLR connector for DMX connection. Diagram below indicate pin assignment information

3 Pin XLR

5 Pin XLR
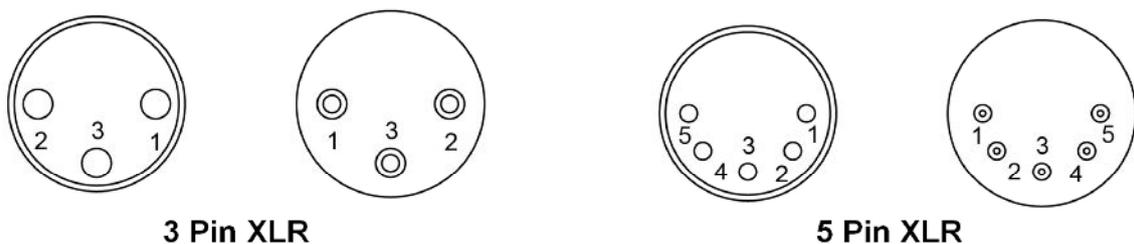
Pin	Function
1	Ground
2	Data-
3	Data+

DMX Channel Function

Channel 1	DMX Value Range	Function
Fog	0 – 4	Fog Off
	5 – 255	Fog On

Channel 2	DMX Value Range	Function
Red LED	0-255	0-100%

Channel 3	DMX Value Range	Function
Green LED	0-255	0-100%

Channel 4	DMX Value Range	Function
Blue LED	0-255	0-100%

Channel 5	DMX Value Range	Function
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 6	DMX Value Range	Function

	DMX Value Range	Function
Chase Speed	0-255	0-255 step per min
Channel 7	**DMX Value Range**	**Function**
Master Dimmer	0-255	0-100%
Channel 8	**DMX Value Range**	**Function**
Strobe	0-255	1-20 Hz

Fluid

Only use Antari FLC water-based liquid for the Z-1520 RGB Fogger. The machine is tested and calibrated with this liquid to get the best output performance. Warranty will be void 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 avoid 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 reset 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 to test

Breaker

      120V = 15A 250V

      230V = 9A 250V

Technical Specifications

Input voltage	120V 60Hz
	230V 50Hz
Breaker	120V = 15A 250V
	230V = 9A 250V
Heater	1550W
Warm-up time	5 min. (approx.)
Coverage volume	Height 5 Meters, Width 1 Meter
Max. operating time	8 seconds burst
Fluid tank capacity	2.4 L
Fluid consumption	25 ml/10 sec.
Compatible fluid	Antari FLC water-based fluid
Control option	DMX 512, Manual, Timer, Wireless remote
DMX channels	8 channels
Power connection	Neutrik Powercon
DMX data connection	3-pin and 5-pin XLR
Dimension	L 418 x W 295 x H 210 mm
Dry weight	10.4 kg

C08Z15200

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