



Z-1520

Jet Fog Machine

User Manual

- English

- 中文



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User Manual

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 time. The manual includes how to install and operate the machine under safe condition and explain all the labels printed on the machine. If you encounter any problem, contact your local Antari dealer for assistant 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 17.
- 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 50cm 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 time. 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 operating the machine, please make sure the fluid is filled in the fluid tank to avoid the pump in idling state which could lead to overheat or malfunction.
- 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 assistance.
- 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;

Front Cover Printing

LIQUID

PLEASE USE ANTARI FLC FLUID ONLY.

Top 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

3.1 Package Contents

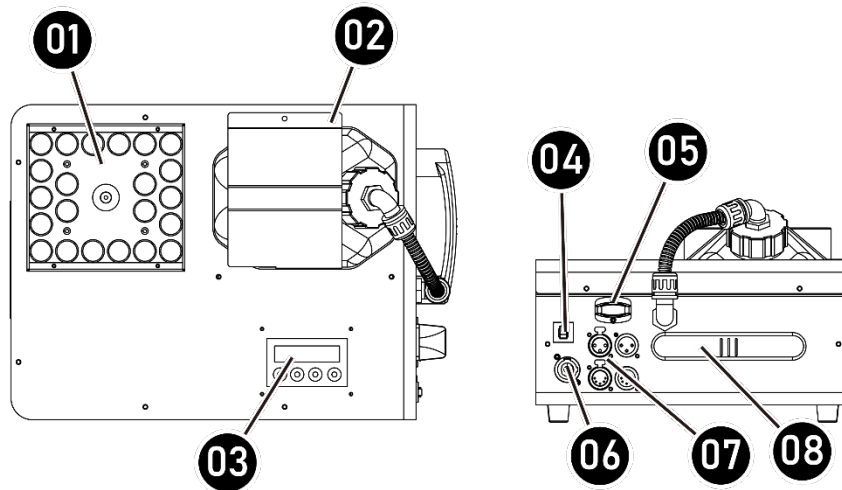
Immediately upon receiving the machine, carefully unpack the carton, check the content to ensure it is the correct model and all parts are included. If any part appears to be damaged or missing during transportation, please contact your local dealer and return in original package for inspection.

- 1 x Z-1520 Jet Fog Machine
- 1 x 2.4 Liter Fluid Tank
- 1 x W-2 Wireless Transmitter
- 1 x Neutrik powerCON Power Cable
- 1 x Quick Start Guide

3.2 Optional Accessories

Item Code	Description
FX-4	Flight Case

4. Machine Details



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

5. Technical Label Information

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

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.
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- 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 clog the heater and 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 manufacture 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.
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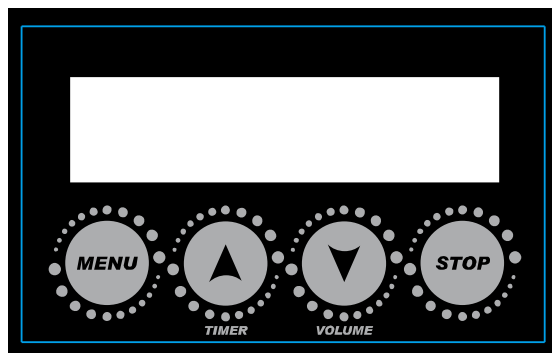
- Step 1.** Place the machine on a flat, level hard and well ventilated surface area and reserve at least 50 cm open space around the machine, and make sure there is no flammable gas or material nearby;
- Step 2.** Fill the fluid tank with Antari approved fog fluid, and make sure the tube is not twisted;
- Step 3.** Connect the machine to the power outlet. Please read the technical label on the back of the machine and make sure the power outlet is the correspond to the rated voltage for the machine;
- Step 4.** Turn on the machine, warm up process takes approximately 5 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.** Please read “8. Control Setting” to operate the machine;
- Step 6.** 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

Z-1520 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

8.1 Control Panel Description



Z-1520 Jet Fog Machine can be operated with the onboard digital control interface.

Button	Operating Method	Action
	Press	Enter menu
	Press	Up/Increase value (MENU)
	Press	Down/Decrease value (MENU)

Button	Operating Method	Action
	Press	(READY TO FOG Mode) 1. Start fogging in TIMER mode according to the set time
	Press	(READY TO FOG Mode) 1. Start fogging in VOLUME mode according to the set volume
	Press	1. Leave setting menu 2. Stop fogging

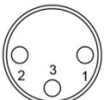
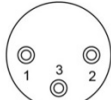
8.2 Menu Options Description

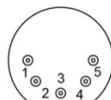
Options	Description
DMX 512 Address: 1	Set DMX Address from 1 – 504
Stand Alone Set Master/Slave	Set Machine as Master or Slave Unit
Color Mode On/Off	Turn built-in LED color mode ON / OFF
Color Mode Marco: 01-10	Set LED Output Color from Marco 1 – 10
Color Mode Chase: 01-15	Set LED Chase from 1 – 15
Timer Interval 15 Sec	Set Interval from 15 – 360 seconds
Timer Duration 5 Sec	Set Duration from 1 – 5 seconds
Wireless Setting On	ON / OFF Wireless 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	ON/OFF Run Last Setting Function

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;

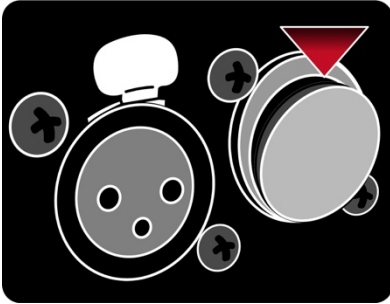





3 Pin XLR
5 Pin XLR

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
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	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	Chase Speed	0 – 255	0 – 255 step per min
Channel 7	Master Dimmer	0 – 255	0 – 100%
Channel 8	Strobe	0 – 255	1 – 20 Hz

10. WTR-20 Wireless Remote (Standard)

WTR-20 Wireless Remote is a standard accessory for Z-1520 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.

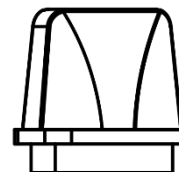
10.1 W-2 Wireless Transmitter & Receiver

- Battery : 27A 12V
- Effective Range : The effective range is approximately 50 meter, depends on actual condition, it may vary.
- If effective range is significantly shorter, please change battery.
- 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



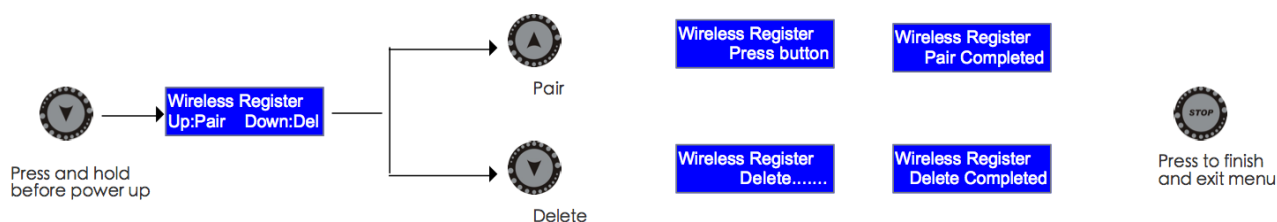
W-2 Wireless Transmitter



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;



11. Service and Maintenance

	DANGER	Disconnect the power cord before starting maintenance operation.
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- Always keep the machine clean and dry.
- Can use air compressor, vacuum or a soft brush to remove the dust on the machine.
- Can use a slightly damp cloth to clean the casing.
- Before store the machine, please make sure the machine is completely cool 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 overheat.

11.1 Breaker Reset

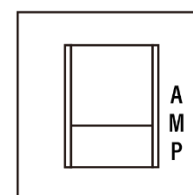
Please follow the instructions below to reset the breaker;

Step 1. Disconnect AC power

Step 2. Flip breaker to back

Step 3. Turn on machine for testing

****If the breaker still jumps off after reset, please contact your local Antari dealer for assistance.**



Breaker Specification

100V = 16A 250V

120V = 15A 250V

240V = 9A 250V

12. Technical Specifications

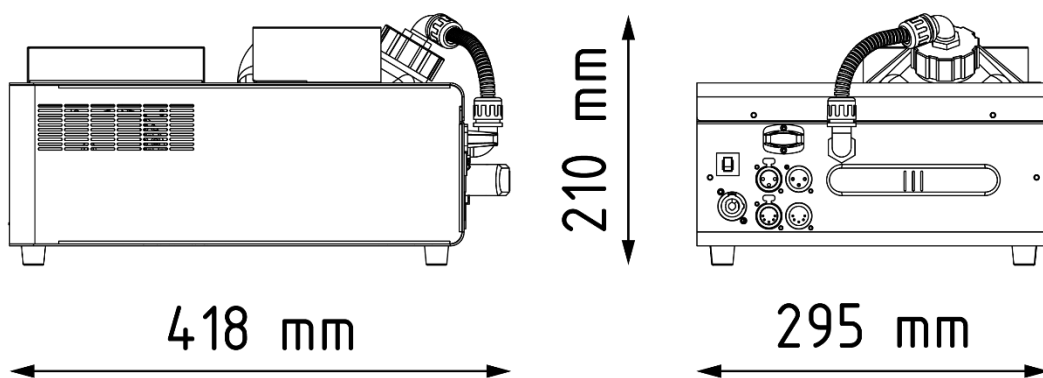
	Z-1520
Input Voltage	US Model : AC 100 - 120V, 50 / 60 Hz 13.0A EU Model : AC 220 - 240V, 50 / 60 Hz 6.5A
Rated Power	1516W
Light Source	22 X 3W LED (8 Red, 7 Green, 7 Blue)
Warm-Up Time	5 Minutes (approx)
Fluid Consumption	150 ml/min (100% Output)

	Z-1520
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	6Meters Height
Control Methods	Manual Timer DMX 512 Wireless Master / Slave
DMX Channels	8 Channel
Interface	Neutrik powerCON(Power) XLR 3-Pin & 5-Pin (DMX)
Included Accessories	W-2 Wireless Transmitter
Optional Accessories	FX- 4 Flight case
Dimension	L418 W295 H210 mm L16.46 W11.61 H8.27 inch
Weight	10.4 kg 22.93 lbs

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





中文使用說明書

1. 前言

在操作本機器之前，請務必仔細詳閱本說明書然後請將本說明書放置在機器使用者可隨時查閱之處存放。此說明書包含如何安全的安裝及操作本機器以及說明所有在機器上的標示。如果您有任何操作上的問題，請立即聯繫當地的 Antari 經銷商尋求協助。

2. 安全注意事項

 危險	若不確實避免這些指示，可能導致嚴重人身傷害甚至死亡。
 警告	若不確實遵循這些指示，可能導致嚴重人身傷害甚至死亡。
 注意	若不確實注意這些指示，可能導致人身傷害甚至死亡，嚴重程度視情況而定。

危險

- 請務必使用正確電壓。如果使用錯誤電壓，可能會遭受危險的電擊燒傷或更嚴重的後果。
- 請務必將機器連結到有保護的電路，並確保有正確的接地，以避免觸電的危險。關於接地方式請參考第 17 頁附錄 I。
- 請勿在捆綁電源線的情況下使用，可能會發熱導致火災。
- 操作機器時請勿將機器對著人體、動物或火焰使用。

警告

- 機器的噴嘴非常燙。當機器工作時，請遠離噴嘴 50 公分以上。
- 請於堅固、平坦、穩定且通風良好的表面上使用機器。請勿遮蓋機器散熱部份，機器周邊至少應保留 50 公分的空間並確認附近沒有易燃性物質或可揮發性氣體。
- 請勿隨意拆卸、修理或改造機器，這可能會導致機器故障、損壞、觸電危險或造成火災。
- 本機器僅限有行為能力之成人或專業人員操作，不預期提供生理、感知、心智能力、經驗或知識不足者之使用者(包含孩童)使用本機器。
- 請勿在無人看管時讓機器運作，並於外出離去時確實關閉電源。
- 孩童應受監督，以確保孩童不能操作或嬉戲玩本機器。
- 請勿將機器倒放或傾斜使用，可能導致機器動作不正常或損壞。
- 請將液體存放在室內孩童無法取得之處，保持通風及避免陽光直射。如果有觸碰眼睛或誤食機器，請立即尋求醫生的協助。

注意

- 本機器無防水設計，請隨時保持機器乾燥，嚴禁將其潑水、浸水、淋雨或放在潮溼的環境。

- 在插入電源插座前，請確認電源插座無損壞或鬆動。
- 若電源線損壞，必須使用原廠電源線或組件進行更換，否則將導致保固無效。
- 請在使用機器之前，先填裝好煙霧水，避免機器幫浦空轉過熱造成損害。機器在搬運前或使用完畢後，請清空油桶。
- 在運輸本機器前，請確認機器的油箱已清空並且包裝完整。(建議使用原廠包裝)
- 本產品僅限室內使用。
- 請勿在電壓不穩定的地區使用本機器。
- 如果機器出現異常聲音或有任何不正常現象時，請立即停止工作，將電源關閉及拔下機器電源線，並請聯繫當地的 Antari 經銷商尋求協助。
- 請勿觸碰機器內部運轉零件。
- 只能使用原廠建議或販售之配件。
- 請確認機器不在使用的狀態下電源已關。如果長時間不使用機器，請拔掉電源線。
- 關閉機器時，將控制開關轉到關閉的位置，然後再將插頭從插座拔除。
- 拔除電源線時，請抓住插頭不是電線。
- 在保養及清潔前，請把電源線從插座拔除。
- 在電線或插座有損毀、機器故障或有掉落或損壞的情形發生時，請勿操作機器。請將機器送回最近的維修站，做檢查、維修及電源或機械的調整。
- 為確保機器的使用壽命，請使用 Antari 原廠製造之煙霧水，勿使用其它非 Antari 原廠製造煙霧水或添加劑，否則可能會導致電熱管阻塞和故障。

在使用本機之前，請詳細閱讀機器上的警語標示，說明如下：

前蓋印刷

LIQUID

PLEASE USE ANTARI FLC FLUID ONLY. 只限使用 Antari FLC 煙霧水

上蓋印刷

WARNING! 警告!

DISCONNECT POWER BEFORE CHANGING FUSE. 更換保險絲前請務必斷開電源

USE ONLY WITH ADULT SUPERVISION. 僅在成人監督下使用

DO NOT OPERATE WITHOUT LIQUID. 請勿在沒有液體的情況操作本機台

FOR INDOOR USE ONLY. KEEP DRY. 僅限室內使用 請保持乾燥

NO USER SERVICEABLE PARTS INSIDE. 內部無使用者可維修之零配件

3. 包裝內容與檢查

在收到機器後，請立即小心地打開包裝紙箱，檢查所有內容，確認您所購買的機型及配件。如果有任何部件因運輸過程出現損壞或缺少，請立即連絡經銷商，並以原包裝退回檢查。

3.1 包裝內容

1 x Z-1520 氣柱煙霧機

1 x 2.4 公升油桶

1 x W-2 無線發射器

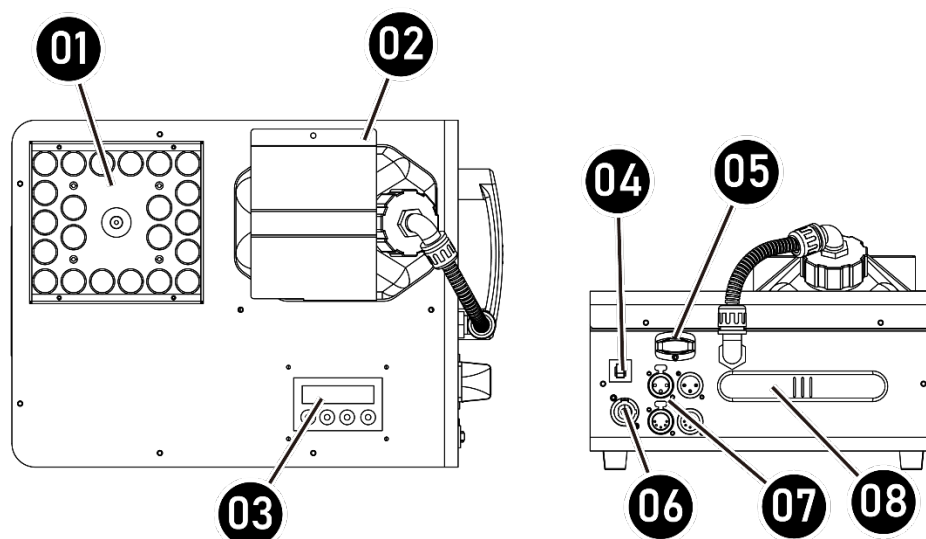
1 x Neutrik powerCON 電源線

1 x 快速入門指南

3.2 選配說明

品項	描述
FX-4	飛行箱

4. 機器訊息



01. 噴煙口&LED 燈	05. W-2 無線接收器
02. 2.4 公升油桶	06. Neutrik powerCON 連接頭
03. 數位控制面板	07. XLR 3-Pin/5-Pin 連接頭 DMX
04. 復歸式電流斷路器	08. 把手

5. 技術標籤資訊

使用本機器前，請詳閱技術標籤上的訊息

1. 機器型號	5. 斷路器/保險絲
2. 工作電壓	6. 說明書 QR CODE
3. 頻率	7. 機器流水序號
4. 瓦特數	

6. 煙霧水

	危險	將液體加入機器之前，請務必先拔除電源線。請勿添加易燃液體。如果發現液體流入機器內部，請洽 Antari 原廠或其經銷商尋求協助。
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- 僅能使用 Antari 原廠製造之煙霧水，不可混用或稀釋。若因保存不當而變質或使用非原廠煙霧水，將可能造成電熱管堵塞而導致機器故障。
- 本機器是使用專屬的煙霧水做測試與校正來取得最佳的效能。
- 如需更換另一種液體，請在使用前，先將油桶中的液體清空，以避免混合。
- 僅能使用 Antari 原廠製造之香精，並依照原廠建議比例添加(原廠建議比例為 1:1000)，如果使用非原廠的香精或比例添加有誤，將可能造成電熱管阻塞而導致機器故障。

- 如果使用非原廠製造之煙霧水或香精而導致煙霧機損壞將不在保固範圍內。

7. 設定與手動操作說明



警告

機台掉落可能會造成嚴重傷害，請確保本機台安裝牢固且不會掉落。

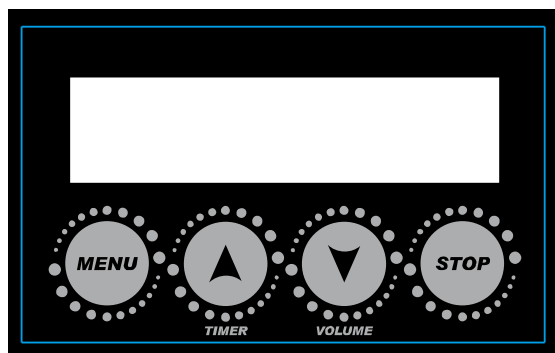
- 步驟1.** 將機器平放在堅固、平坦、穩定且通風良好的表面上，機器周圍至少應保留 50 公分的空間並確認附近沒有易燃性物質或可揮發性氣體；
- 步驟2.** 使用 ANTARI 原廠專用煙霧水注入機器所附的油桶，並注意不要折到油管；
- 步驟3.** 將機器連接電源，連接之前，確認機器背後技術標籤上所標示要求功率，是否與電源插座相符；
- 步驟4.** 啟動機器電源後，使機器開始加熱。機器加熱到可工作溫度大約需要 5 分鐘。當機器達到工作溫度時，螢幕會顯示“Ready to Fog”，表示機器已經準備好可進行操作；
- 步驟5.** 機器相關操作方式，請參照“8. 控制設定”；
- 步驟6.** 需關閉本機時，請確認機器已停止運轉，再將電源開關關閉即可，長時間不使用時請移除電源線。

8. 控制設定

Z-1520 氣柱煙霧機可以使用下列操作模式，機器每次接受一種訊號。

- 手動控制
- 定時控制
- DMX512
- 無線控制
- 主從控制

8.1 控制面板說明



Z-1520 氣柱煙霧機可以使用機器上的數位控制面板來操作。

按鈕	操作方式	動作
	按	進入設置選單
	按	上/增加數值(選單)
	按	下/減少數值(選單)

按鈕	操作方式	動作
	按	(READY TO FOG 狀態) 1. 按一下根據設定時間啟動噴煙
	按	(READY TO FOG 狀態) 1. 按一下啟動噴煙
	按	1. 離開設置選單 2. 停止噴煙

8.2 選單說明

選單	敘述
DMX 512 Address: 1	設定 DMX 從 1 至 504 的位址
Stand Alone Set Master/Slave	設定機器為主從模式
Color Mode On/Off	開啟或關閉 LED 燈內建顏色選項
Color Mode Marco: 01-10	選擇 LED 燈預設在機器上的 10 種固定顏色模式
Color Mode Chase: 01-15	選擇 LED 燈自走變換的 15 種顏色模式
Timer Interval 15 Sec	設定每次煙霧輸出間隔，15 至 360 秒
Timer Duration 15 Sec	設定持續煙霧輸出時間，1 至 5 秒
Wireless Setting On	啟動或關閉 W-2 無線發射器功能
Wireless Setting Button A:M01/Off	利用 W-2 無線控制器上的 A 鍵記錄最常用的顏色，選擇自 MARCO(已設定)的 10 種或 CHASE(自走)的 15 種選項
Wireless Setting Buttton B:M01/Off	利用 W-2 無線控制器上的 B 鍵記錄最常用的顏色，選擇自 MARCO(已設定)的 10 種或 CHASE(自走)的 15 種選項
Wireless Setting Buttton C:M01/Off	利用 W-2 無線控制器上的 C 鍵記錄最常用的顏色，選擇自 MARCO(已設定)的 10 種或 CHASE(自走)的 15 種選項
Wireless Setting Buttton D:M01/Off	利用 W-2 無線控制器上的 D 鍵記錄最常用的顏色，選擇自 MARCO(已設定)的 10 種或 CHASE(自走)的 15 種選項
LED Setting Fog Only/Always On	設定 LED 燈功能只在噴煙時啟動，或者一直啟動
LED Fade Out Delay: 0 Sec	設定 LED 關閉延遲時間，範圍 0 至 5 秒
Run Last Setting On	開啟/關閉 重新開機/斷電後最後設定模式

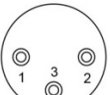
9. DMX 說明

9.1 DMX 說明

本機提供 XLR 3-PIN 和 5-PIN 的 DMX 連接頭。PIN 的接點說明如下；



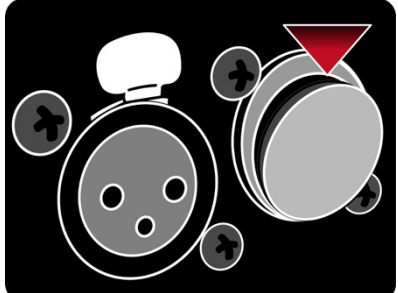
3 Pin XLR



5 Pin XLR

Pin	功能
1	接地
2	數據-
3	數據+
4	NA
5	NA

****DMX IN 連接頭上有一個保護蓋，操作前，請用手指撥開即可將其取下。**



9.2 DMX 通道功能

通道模式		DMX 數值範圍	功能
通道 1	煙霧輸出量	0 – 4	關閉
		5 – 255	開啟
通道 2	紅色 LED 燈	0 – 255	0 – 100%
通道 3	綠色 LED 燈	0 – 255	0 – 100%
通道 4	藍色 LED 燈	0 – 255	0 – 100%
通道 5	Chase / 自走	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
通道 6	Chase Speed / 自走速度	0 – 255	每分鐘 0-255 階
通道 7	Master Dimmer 主控調光器	0 – 255	0 – 100%
通道 8	Strobe / 閃動速度	0 – 255	1 – 20 Hz

10. WTR-20 無線控制器(標配)

WTR-20 無線控制器是 Z-1520 氣柱煙霧機的標準配備，包含一個 W-2 無線發射器及 W-2 無線接收器(已經安裝在機器上)，可以直接使用。如果遇到任何困難與問題，請與當地的 Antari 經銷商尋求協助。

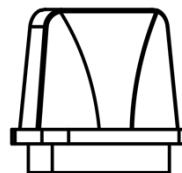
W-2 無線發射器

- 發射器：使用 27A 12V 電池
- 收發距離：有效距離為 50 公尺，實際收訊狀況根據現場環境因素而有所不同。
- 如果發現有效距離明顯減少時，請更換電池。
- W-2 無線發射器配有 4 個按鈕，控制功能為：

按鈕	功能
[A] 鍵	參考 8.2
[B] 鍵	參考 8.2
[C] 鍵	參考 8.2
[D] 鍵	參考 8.2



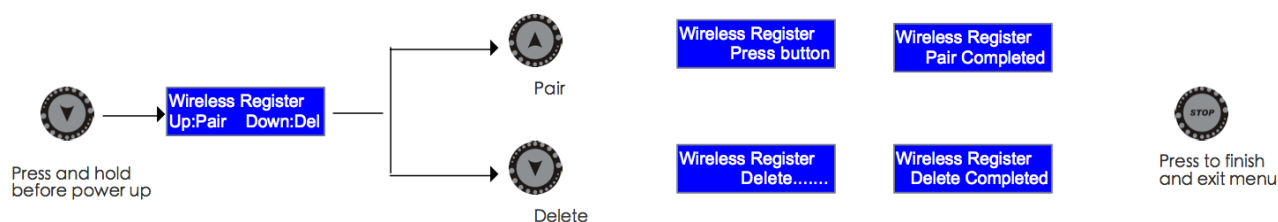
W-2 無線發射器



W-2 無線接收器
(已經安裝在機器上)

10.1 配對 & 取消配對

每個接收器可以配對最多 5 個控制器，請參考下面步驟配對和取消配對控制器。



11. 維護和保養

	危險	維修保養之前，請務必拔除電源線
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- 隨時保持機器清潔及乾燥。
- 可以使用空氣壓縮機、吸塵器或軟刷除去機器上的灰塵。
- 機殼可使用濕布擦拭。
- 在存放或收起機器前，請確認機器完全冷卻，避免機器內部潮濕導致故障。
- 建議每月至少讓機器運轉一次，以保持機器處於最佳的性能和輸出條件。
- 機器上過多的灰塵、液體殘餘累積的髒污會降低機器工作性能，導致散熱不良。

11.1 重置斷路器

請根據下列步驟，重置電流斷路器。

步驟1. 關閉機器電源

步驟2. 將電流斷路器按至"ON"的位置

步驟3. 重新開啟機器測試

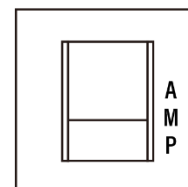
**如果遇到任何困難與問題，請與當地的 Antari 經銷商尋求協助。

電流斷路器規格

100V = 16A 250V

120V = 15A 250V

240V = 9A 250V



12. 技術規格

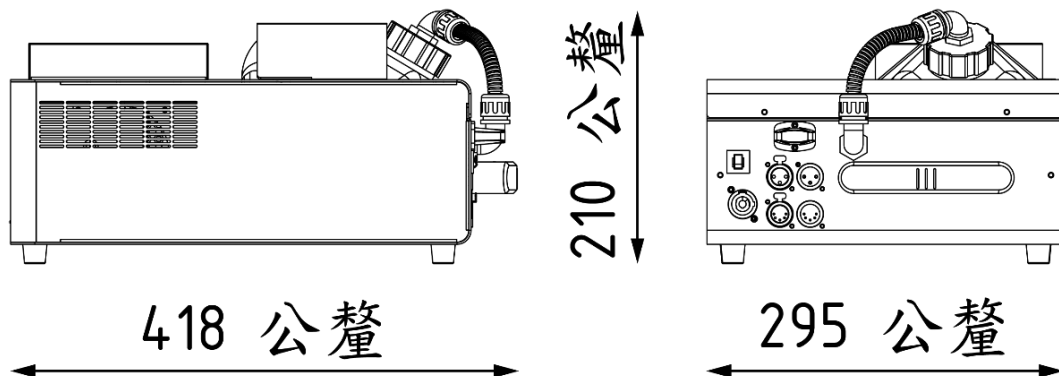
	Z-1520
輸入電壓	美規 : AC 100 - 120V, 50 / 60 Hz 13.0A 歐規 : AC 220 - 240V, 50 / 60 Hz 6.5A
額定功率	1516 瓦
光源	22 X 3W LED (8 紅, 7 綠, 7 藍)
加熱時間	約 5 分鐘
耗油量	150 毫升/分鐘 (100% 輸出)
油桶容量	2.4 公升(0.63 加侖)
適用煙霧水	Antari FLC 快速消散煙霧水
適用環溫	0°C - 40°C (32°F - 104°F)
輸出高度	約 6 公尺高
控制方式	手動控制

	Z-1520
	定時控制 DMX 512 無線控制 主從模式
DMX 頻道	8 個頻道
介面	Neutrik powerCON (主電源) XLR 3-Pin & 5-Pin (DMX)
隨附配件	W-2 無線發射器
選購配件	FX-4 飛行箱
尺寸	長 418 寬 295 高 210 公釐 長 16.46 寬 11.61 高 8.27 英寸
重量	10.4 公斤 22.93 磅

13. 保固聲明

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14. 機器尺寸圖



Appendix I – 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 120V 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.

