



HZ-1000 Hazer Machine User Manual



English · 中文

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Hazer Technology HZ1000

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 the machine to power, always check the voltage indicated on the machine matches your local AC voltage. Do not use the machine if the 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, an unauthorized technician may lead the machine to damage or malfunction.
- For adult use only. Never leave the machine running unattended.
- Install in 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 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.

- Smoke fluid may present health risks if swallowed. Do not drink haze 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 retain the packing material for inspection.

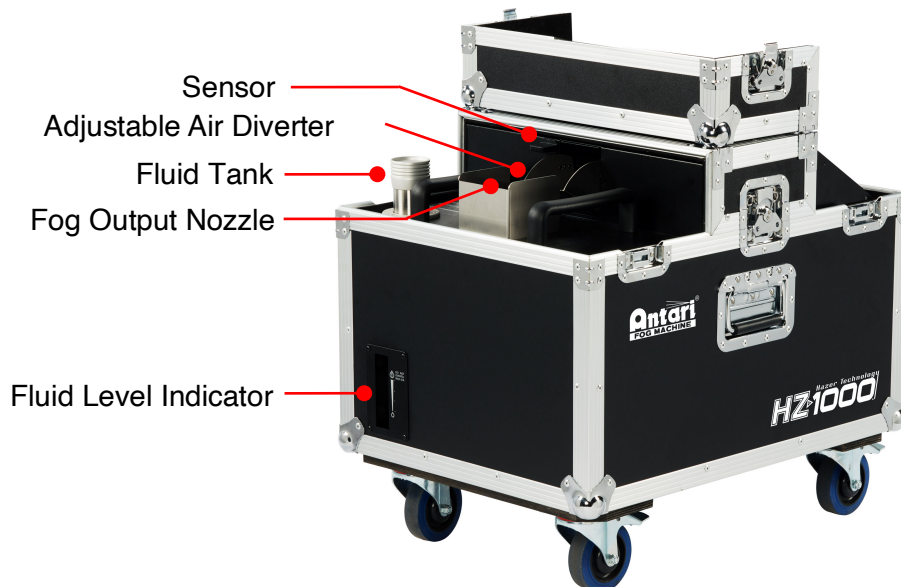
What is included:

- 1 x HZ-1000 Hazer
- 1 x Power Cord
- 1 x User Manual

Product Dimension



Product Overview



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.

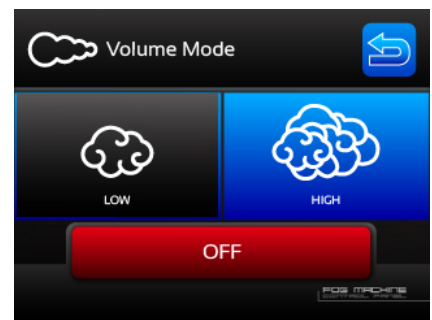
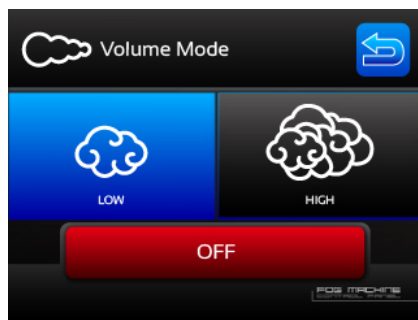
Step 3: Connect the machine to a suitably rated power supply. To determine the power requirement for the machine refer to the label on the back of the machine.



Always connect the machine to a protected circuit and ensure it is properly grounded to avoid risk of electrocution.

Step 4:

To start making haze, press “VOLUME” on screen then select output level “LOW” or “HIGH”. To stop making haze press “OFF”






Step 5: To turn off the machine, put the power switch to the **OFF** position.

Operation











Control Panel Operation

The machine can adjust settings and be controlled through the touch screen panel.

Main Menu	Level 1	Level 2
TIMER 	LOW/HIGH/OFF	
VOLUME 	LOW/HIGH/OFF	
DMX 512 	001-511	

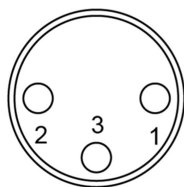
SETTING



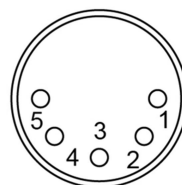
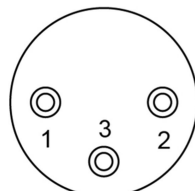
 Interval Set	00 min 01 secs 59 mins 59 secs
 Duration Set	00 min 01 secs 59 mins 59 secs
 Timer Mode	LOW/HIGH
 Volume Mode	LOW/HIGH
 Fan Speed	20-100%
 DMX 512	001-511
 WDMX	Power On/Off Reset On/Off
 Sensor On/Off	On/Off
 Fluid Sensor	On/Off
 Quick Start	On/Off

DMX Connector Pin Assignment

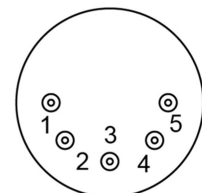
The machine provides 3 or 5 pin XLR connectors for DMX connection. The diagram below indicates pin assignment information.



3 Pin XLR



5 Pin XLR



Pin	Function
1	Ground
2	Data-
3	Data+
4	Not used
5	Not used

DMX Operation

Making the DMX Connection – Connect machine to a DMX controller or to one of the machines in the DMX chain. The machine uses 3-pin and 5-pin XLR connectors for DMX connection, the connector is located on the rear of the machine.



DMX Channel Function

Channel 1	DMX Value Range	Function
Haze Output Level	0 – 5	Haze Off
	6 – 127	Haze Output Low
	128-255	Haze Output High
Channel 2	DMX Value Range	Function
Fan Output Level	0 – 5	Fan 20%
	6 – 255	Fan 21 – 100%

Status of W-DMX Connection (Optional)

Symbol on the Liquid Crystal Display	Status of W-DMX connection
○	Transmitter not assigned
⊙	Transmitter assigned, No DMX signal
◉	Transmitter link lost or linking to transmitter
●	Transmitter assigned, DMX signal received

Fluid

Only use Antari HZL oil-based liquid for the HZ-1000 Hazer. 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.
- 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 replacing fuse. Only replace fuse with same type and rating.

Step 1: Disconnect power cord from supply.

Step 2: Flip breaker to ON position.

Step 3: Turn machine back on to test

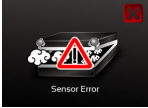



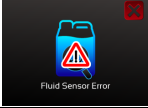

Breaker

120V = 12A 250V

240V = 7A 250V



Status Messages

Message	Status
Sensor Error 	Flight case cover is closed and not able to generate haze
Temp 1 Error 	Compressor 1 is overheating
Temp 2 Error 	Compressor 2 is overheating
Temp 3 Error 	Machine internal temperature is overheating
Fluid Sensor Error 	Fluid Pressure Sensor Error
Low Fluid 	Low Fluid

Technical Specifications

Input voltage	US model : AC 100-120V, 50 / 60Hz 9.6A EU model : AC 220-240V, 50 / 60Hz 4.8A
Rated power	1150W
Fluid consumption	2.2 ml/min
Fluid tank capacity	6.4 Liters (1.69 gallon)
Compatible fluid	Antari HZL Haze Fluid
Operating time	40 hrs max. output
Ambient temp. range	0 °C - 40 °C (32 °F-104 °F)
Control	DMX 512, Timer, Manual, Wireless DMX (Optional)
DMX channels	2 channels
Connection	Neutrik Powercon True1 (Power) XLR 3-pin and 5-pin (DMX)
Optional accessories	W-DMX-PCBR Wireless DMX
Dimension	L 690 W 510 H 610 mm (L 27.16 W 20.07 H 24.01 inch)
Weight	74.6 kg (164.46 lbs)

Hazer Technology HZ1000 使用說明手冊

使用說明及安全注意事項



使用機器以前，請仔細閱讀以下說明，此份說明書包含了如何在安全的情況下安裝並使用機器，且會說明機器上所有標示的標籤所代表的意義。

如果您有任何使用上的問題，請聯繫當地的 **Antari** 經銷商尋求清楚的說明與協助。

- 保持機器的乾燥。
- 請配合接地型插座，以避免觸電的危險。
- 使用機器前，請確定使用場所的
- **AC** 電源規格，與機器電壓規格是否相符。
- 拔開機器和 **AC** 電源插座時，請確認機器已關機不在使用的狀態下。
- 本產品僅限室內使用，請勿將機器暴露在雨中或潮濕的環境，如果有液體(煙霧油)翻倒或溢出，請勿連結機器與 **AC** 電源，用乾布擦拭乾淨，如果任何液體進入機器電子零件，請立即拔除插頭，並連繫當地的 **Antari** 經銷商。
- 本機器不含任何用戶拆解和自行維修或修改的零件在內，請勿嘗試自行維修或改裝機器，未經授權的技術人員，可能導致機器故障或永久損壞。
- 機器限成人操作，請勿在無人值守時讓機器運作。
- 在通風良好的地方安裝使用機器，機器周邊至少應保留 **50** 公分的空間。
- 請勿添加任何易燃物品進入機器。
- 操作機器時請確認周邊沒有任何易燃的材料。
- 為確保機器的使用壽命，請使用 **Antari HZL** 特效煙油，添加其他液體可能會導致機器的故障。
- 如果機器出現故障，請拔下機器插頭，立即停止工作。並請連繫您當地的 **Antari** 經銷商。
- 運送機器以前，請確認機器的油箱已完全清空。
- 煙霧油不能食用，吞食煙霧油可能導致損壞健康的風險，請將煙霧油存放在室內安全的地方。如果碰觸到眼睛或誤吞食，請立即尋求醫生的協助。
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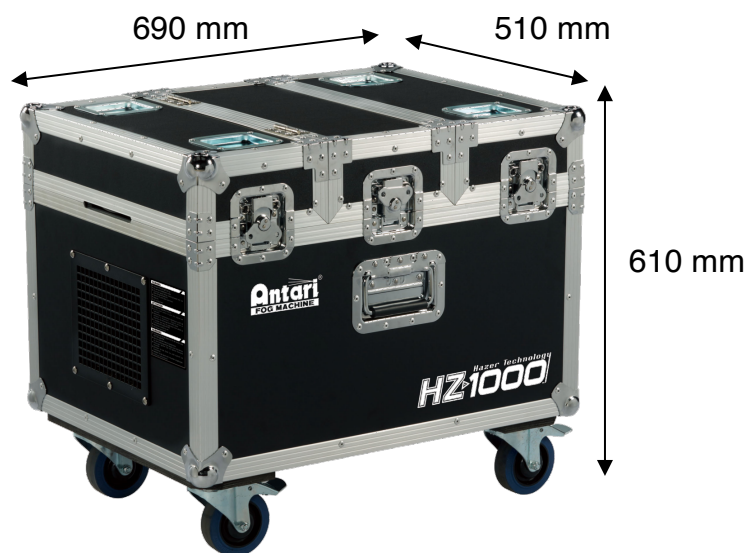
包裝內容

在收到機器後，請立即小心地打開包裝紙箱，檢查所有內容，以確保所有零配件都有齊全收到，並處於良好的狀態。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。

內容包括:

- 1 台 HZ-1000 薄霧機
- 1 條 電源線
- 1 本 使用說明手冊

機器尺寸



機器外觀概述





設定安裝

步驟 1: 將機器平放於平坦的表面，機器周圍至少應保留 50 公分的空間。

步驟 2: 將 Antari HZL 特效煙油注入機器所附的油桶。

步驟 3: 將機器連接電源。連接之前，請確認機器背後技術標籤上所標示要求功率，是否與電源相符。

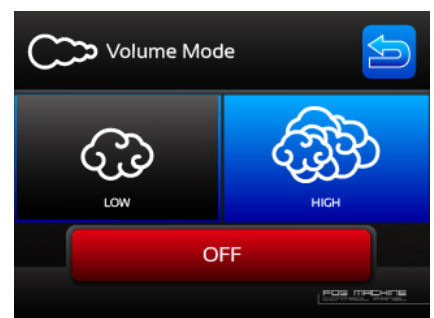
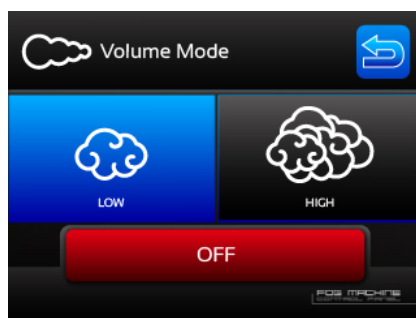
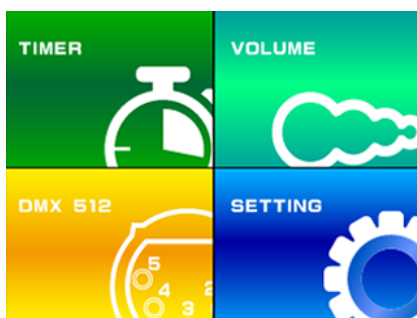


請務必將機器連接到有保護的電路，並確保有正確地接地，以避免觸電的危險。

步驟 4:

欲開始輸出 haze，請觸碰控制面板上的 "Volume"，之後選擇輸出量 "低 Low" 或 "高 High"。

欲停止輸出 haze 觸碰 "OFF"。



步驟 5: 欲關閉機器，請將開關按至 **OFF** 的位置。

操作機器

控制面板操作

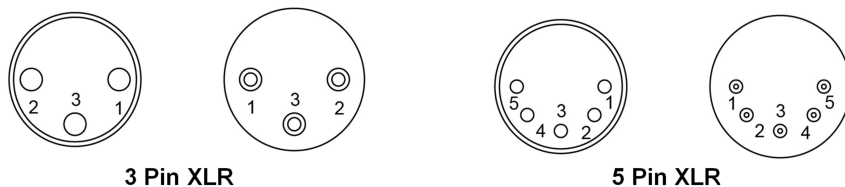
使用機器上方的觸碰面版進行操作控制。

主選單	第 1 階	第 2 階
定時模式 	低 / 高 / 關閉	
輸出量模式 	低 / 高 / 關閉	
DMX 512 	001-511	
設定 	 間隔時間	00 分 01 秒 59 分 59 秒
	 輸出時間	00 分 01 秒 59 分 59 秒
	 定時模式	低 / 高
	 輸出量模式	低 / 高
	 風扇轉速	20-100%

 DMX 512	001-511
 WDMX 無線 DMX	功能 啟動/關閉 重新設定 啟動/關閉
 Sensor On/Off 飛行箱關閉感應功能	開啟/關閉
 Fluid Sensor 油量偵測	開啟/關閉
 Quick Start 快速啟動	啟動/關閉

DMX 連接 Pin 點說明

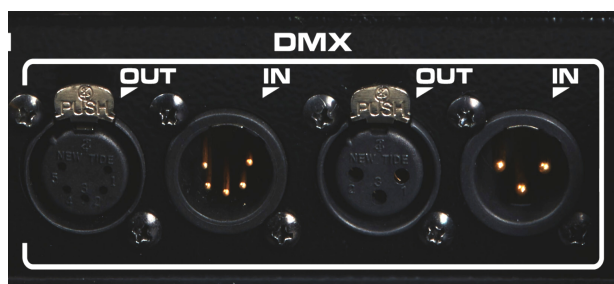
本機器可提供 3 或 5 pin XLR 的 DMX 連接選擇。下方為 Pin 的接點說明：



Pin	功能
1	接地
2	數據-
3	數據+
4	沒有使用
5	沒有使用

DMX 操作

建立 DMX 連接 - 將機器連接到 DMX 控制器或 DMX 鏈中的機器之一。本機提供 3 Pin 或 5 Pin XLR 的 DMX 連接選擇，該連接孔位於機器的背面。



DMX 通道功能

頻道 1	DMX 數值範圍	功能
Haze 輸出量	0 – 5	停止輸出 Haze
	6 – 127	輸出低量 Haze
	128-255	輸出高量 Haze
頻道 2	DMX 數值範圍	功能
風扇轉速	0 – 5	風扇 20%
	6 – 255	風扇 21 – 100%

W-DMX 連接狀態 (選配)

LCD 螢幕上所顯示的符號	W-DMX 連結狀態
●	無線發射器已對頻，接收到 DMX 訊號
◎	無線發射器已對頻，但沒有 DMX 訊號
⊙	無線發射器連接遺失 / 正在與發射器連接
○	沒有對頻任何無線發射器

煙油的使用

HZ-1000 Hazer，僅能使用 Antari HZL 特效煙油。

機器使用 HZL 特效煙油進行測試與校正，使用 HZL 特效煙油將產生最佳的煙霧效果。使用其它的煙霧油，將導致機器故障並保固失效。

維護與保養

- 請保持機器清潔，不要讓機器髒汙。

- 可以使用空氣壓縮機、吸塵器或軟刷除去機器上的灰塵。
- 機器外殼可使用濕布擦拭。
- 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、液體殘餘累積的髒汙，會降低機器工作性能，並導致散熱不良。

重新設置復歸式電流斷路器



重新設置復歸式電流斷路器之前，請關閉電源，並限用同樣類型與等級的復歸式電流斷路器。

步驟 1: 關閉電源

步驟 2: 將復歸式電流斷路器按至 ON 的位置

步驟 3: 開啟機器測試

復歸式電流斷路器


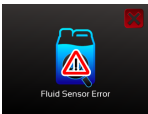
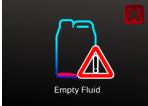
120V = 12A 250V

240V = 7A 250V



警示訊息

訊息	警示
Sensor Error 	航空箱已關閉，無法輸出 HAZE
Temp 1 Error 	溫度異常：壓縮機 1 過熱
Temp 2 Error 	溫度異常：壓縮機 2 過熱

<p>Temp 3 Error</p> 	<p>溫度異常：機器內部溫度過高</p>
<p>Fluid Sensor Error</p> 	<p>油量偵測器偵測異常</p>
<p>Low Fluid</p> 	<p>油量過低警示，請添加 Antari HZL 特效煙霧油</p>

規格資料

電壓	美規 : AC 100-120V, 50 / 60Hz 9.6A 歐規 : AC 220-240V, 50 / 60Hz 4.8A
額定功率	1150 瓦
耗油量	2.2 毫升/分鐘
油桶容量	6.4 公升 (1.69 加侖)
適用煙霧油	Antari HZL 特效煙油
運作時間	(最大輸出量下) 40 小時
適用環溫	0 °C - 40 °C (32 °F-104 °F)
控制方式	DMX 512, 定時控制, 手動控制, 無線 DMX 控制 (選配)
DMX 512 頻道	占用 2 頻道
連接座	Neutrik Powercon True1 (主電源) XLR 3-pin 及 5-pin (DMX)
選擇性配件	W-DMX-PCBR 無線 DMX 模組
尺寸	長 690 寬 510 高 610 公釐 (長 27.16 寬 20.07 高 24.01 英寸)
重量	74.6 公斤 (164.46 磅)



For current product information visit Antari at: www.antari.com
For information requests please contact us at: sales@antari.com



C08HZ1003

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