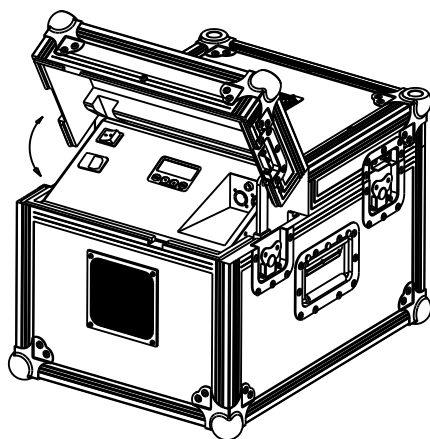


X-FORCE

by DJPOWER



DHZ-670 USER MANUAL

HAZE MACHINE

◆ Foreword

Thank you very much for choosing DJPOWER DHZ-670 haze machine. Before operating, we strongly suggest to read the user manual carefully. Following the instructions in the user manual will ensure your safety during operation, easily achieve the best effects, and prolong the machine's service life.

◆ Method for Fueling

- In general, when liquid tank is empty, two bottles of 1L professional haze liquid PRO-H1L can be added in.
- Do not let fluid level over the limit line. Please pour some back if overfilled.

◆ Introduction

- Bilingual(Chinese and English) display, more convenient to use.
- The difference between the DHZ-670 and the traditional haze machine is that it uses high-pressure atomization technology. Heating system is no need. It matches with the professional haze liquid Pro-H1L, and supports long time continuous fogging. And it is suitable for all kinds of indoor and outdoor stage.

◆ Features

- With angle-and-speed-adjustable fan, 5V direct voltage is used to ensure your safety(Innovative Technology);
- Quiet. Low noise;
- Dry and thin haze, diffuse fast;
- Long service life;
- Without heating time,plug and play.

Please use DJPOWER professional haze fluid PRO-H1L in case leakage or doing harm to the machine.

◆ Safety Operation

- Place the haze machine horizontally, and check whether it is damaged or not. If damaged, please contact with the supplier at once. Unscrew the lid of tank to add in high-quality haze liquid, and then fasten the lid.
- Before powering on, please make sure the supply voltage is in conformity with the rated voltage of the machine. The power supply should be connected with grounding wire. When power on, indicator lights up, and machine will begin to work.
- Please place the haze machine in ventilated place, otherwise the machine's temperature fuse will disconnect and the machine will stop heating.
- Place the machine on the ground horizontally or install it on the hanger, but not

aslant. The machine should keep a minimum 30-centimeter distance all around. Keep it away from kid, flames, flammable or explosive materials. And keep at least 40cm away from the nozzle to avoid scalding.

- Please refuel in time. If the machine keeps running without liquid inside, it will cause damages to the pump and heater. Turn off the power before adding in liquid and operate carefully for fear that the liquid might overflow to cause short circuit.
- In case that the smoke output is diminished, or there is noise from pump, or the machine stops creating haze, please disconnect the power at once, and check the liquid, fuse, cable, and power plug. If the problems are still not solved, please contact with the supplier.
- In unmanned case, please stop running the machine. Keep it away from kids. Do not add inflammable liquids, such as oil, gas or spice. Do not touch the wire when the machine is running for fear of electrical shock.
- Due to condensation, vapor or moisture might gather around the nozzle of the machine. There might be some residue smoke during operation or after shutdown.
- Before turning on the power, please make sure there is no liquid and metals inside machine. Do not modify or repair the machine by yourself. If there is any problem, please contact the supplier.

◆ **Unpacking and Inspection**

- After 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, please do not power on the machine. Contact with the shipper immediately.

◆ **Following things shall be included in the package:**

- 1 X DHZ-670 haze machine
- 1 X Power cord
- 1 X User manual

◆ **Functional Description**

This machine equipped with DMX control, LCD control, block warning technology, plug and play.

◆ **LCD Control**

LCD display has Chinese and English for alternative to cater to different customers' demands.

Please take note LCD control is void when the unit is connected to DMX.
LCD display has 4 buttons., see below:



- “ MENU” : Enters/changes setting mode
- “ UP / TIMER” : Increase value; Timer mode
- “ DOWN / VOLUME” : Decrease value; Fazer output
- “ ENTER / STOP” : Enter or exit setting mode; STOP

◆ **Press ENTER button, there are ten pages in total as follow:**

1. “READY to FOG” : Machine finishes heating;
2. “DMX512 ADD” : 1~512;
3. “Interval Set” : 10~999s;
4. “Duration Set” : 10~999s;
5. “Door Sensor” : Turn On or Off the warning function when nozzle is closed during machine running;
6. “Direct Haze” : ON or OFF;
7. “Fan speed” : 1%~100%;
8. “Language” : Choose English or Chinese, then press ENTER to save settings.

Under any setting pages, press STOP to exit or return to the page one.
When the unit is working, press STOP to stop running and return to the page one.
After enter into different setting pages, press UP and DOWN to change the value.

◆ **When it is in the page one, press TIMER button to enter into timer mode**

A: Interval 10s : Set interval time

B: Duration 10s : Set duration time

The two page will display one after another. The time is subject to the number displaying on the LCD.

◆ **“Direct Haze” Function Instructions**

When it is ON at the page of DIRECT HAZE, once power on, the machine will work automatically. If want machine stop working, press STOP or set DIRECT HAZE into OFF.

◆ **DMX Control**

When the unit is connected to DMX, LCD display will show the address value. In such case, press UP and DOWN button to change the address.

◆ **There are two DMX channels.**

Channel 1: Fan output. 0~5 OFF; 6~255 ON

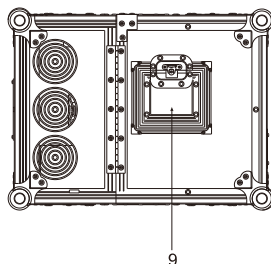
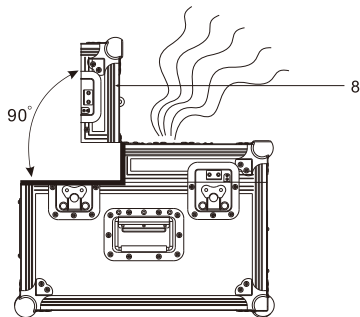
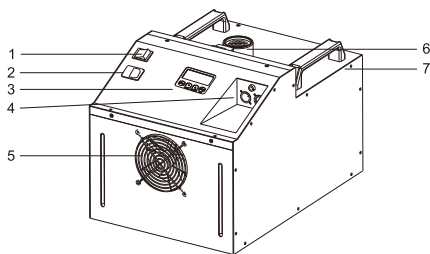
Channel 2: FAZER output. 0~5 OFF; 6~255 Increase

◆ **Technical Parameters**

Model:	DHZ-670	
Voltage:	AC 100V-120V,50/60Hz	AC 220V-240V,50/60Hz
Fuse:	F8 A/250 V	F5 A/250 V
Power:	500 W	500 W
Heat-up Time:	0 s	
Output:	3,200 cuft/min	
Tank Capacity:	2.5 L	
Fluid Consumption Rate:	25 h/L	
N.W.:	32.8 kg	
G.W.:	39 kg	
Machine Size:	514/387/370 mm	
Package Size:	590/450/460 mm	
DMX Channel:	2	

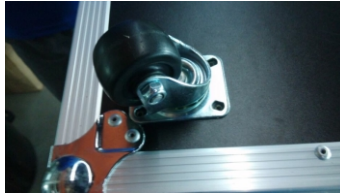
◆ **Diagram**

1. Power Switch
2. Power Socket
3. Control Panel
4. DMX Socket
5. Cooling Exhaust Fan
6. Smoke Nozzle
7. Handle
8. Angle-adjustable Lid
9. Smoke Nozzle

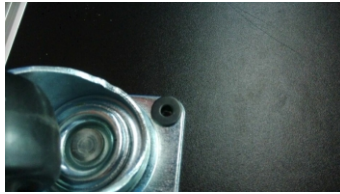


◆ The steps of installation of flight case wheels

1. Fix the location of wheels first, picture 1:



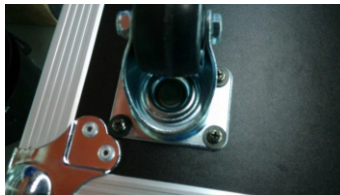
2. Place a gasket, picture 2:



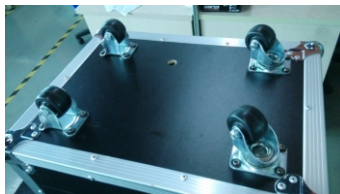
3. Lock them by self-tapping screws, picture 3:



4. Lock them well one by one, picture 4:



5. Lock the others wheels in the same way, picture 5:



◆ Fog machine fluid blowout and heater blocking phenomenon analysis

Please use the original consumables, protect your health and life of machine

A.Fluid injection trouble: Refers to the fog fluid atomizing in the heater pipe of the machine is not good, heater temperature cannot be timely and effective transmit to the fog fluid, fog fluid cannot all atomization and lead to fluid injection

First reason: Using the low quality or counterfeit fog fluid, low quality fog fluid have more impurities, easy to adhere to the pipe wall and hindered temperature transmission result in incomplete atomization caused fluid injection.

Second reason: using an incorrect fog fluid. Different fog fluid have different required atomization temperature. If you use the wrong fog fluid result in fluid cannot fully atomization caused fluid injection.(fig 1)

B.Heater blocking trouble : poor atomization fluid injection is the early signs of heater block. Using poor quality fog fluid or not timely maintenance cleaning the fog machine for a long time. Inevitable will appear the terminal symptom of heater blocking.

Reason: heater blocked is because used inferior fog fluid or not maintenance for a long time. Have nothing to do with the quality of machine. Like a car with poor quality gasoline produce poor fluid circuit failure or long-time no maintenance the car will inevitably appear bigger problems. (fig 2)

C.Solutions to these problems: fog machine heating pipes used for a long time and then the pipe wall will easily produce sediments (The more inferior fog fluid the more impurities thus lead to fluid injection or blocked). All fog machines need regular maintenance (fog machine maintenance cycle for 1 to 2 months/time). Specific maintenance method: after heating the 35% white vinegar plus 65% distilled water and then spray 10 to 15 times

Conclusion: As long as the fog machine with fluid injection or heater blocking after using a period of time. It was caused by fog fluid quality or lack of maintenance, has nothing to do with the quality of the machine. Please use the original high quality fog fluid and timely maintain it, then it can be used for a long time.

