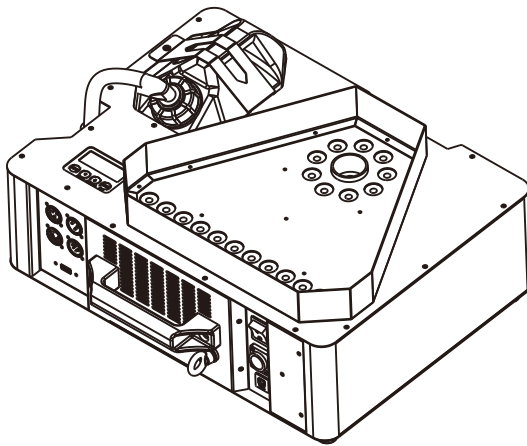




[PRO STAGE EFFECTS]



H-2VS

SUPER-JET VERTICAL FOG MACHINE

USER MANUAL

◆ Foreword

Thank you very much for choosing DJPOWER H-2VS SUPER-JET Vertical Fog Machine.

Prior to use, we strongly suggest you to read the user manual carefully.

Following the instructions here will ensure your safety while operating the machine, easily achieve the best effect, as well as understand the right way to care for and maintain the machine, hence to prolong the product life cycle.

◆ Introduction

- This vertical fog machine is specially designed for professional stage, with the unique "super-jet" technology, the output speed and strength can even be comparable with CO₂ jet.
- To be DJPOWER's newest updated product, with "super-jet" patented technology, H-2VS is twice the speed, twice the brightness, "Inner Flame Color Changing" technology enables independent color changes for flame core!

◆ Features

- Newest global patent "Super-Jet";
- Huge smoke output , 54000cult/min, 10 meters height;
- "Immediate-Stop" and Anti-Squirting Plus patent technology;
- Independent color changes for flame core, two amazing colors of jet;
- 32pcs 5W RGB LEDs, twice the brightness;
- Advanced No-Fluid protection;
- Anti-loose power plug;
- Built-in LCD control, and 3-pin, 5-pin DMX control;
- Please use DJPOWER professional thin fog fluid PRO-V.

◆ Safety Information

- Before connecting machine to power, always check voltage indicate on machine match to your local voltage. Do not use the machine if machine power voltage does not match. Always connect to a grounded circuit to avoid risk of electrocution. Unplug the machine when it is not use to turn off the machine Disconnect the machine from power before servicing and when not in use.
- Never add flammable liquid of any kind to the machine.
- Before transporting the machine, make sure the fluid tank is completely drained.

- This machine is not water-proof. Please keep it away from moisture and water. If moisture, water or fluid gets inside the housing, stop using it.
- This product is for indoor use only! Do not expose to rain or moisture. If fluid is spilled, disconnect power and clean with a damp cloth. If fluid is spilled onto electronic parts, immediately unplug the machine and contact your local dealer for advice
- No user serviceable and modifiable parts inside. Unauthorized technician do not disassemble the housing and do any modification, otherwise it might cause damage to the unit or danger of burning.
- For adult use only. Never leave the machine running unattended. Fixture must be installed out of the reach of children. Keep it away from fire combustibles and flammable materials.
- Installed in well ventilated area. Please leave about 50cm spaces surrounding the unit.
- Please do not use the fixture under high temperature.
- Never add flammable liquids of any kind (oil, gas, perfume) to the fog liquid.
- If something wrong happens while using, please stop the fixture immediately, cut off the power, and check the fog liquid amount, fuse, power cable and power plug. If problem could not be resolved, please contact with your dealer.
- Please use DJPOWER professional quick dissipating vertical fog fluid PRO-V, other consumables might cause fluid splash or clogging, malfunction.
- When flat mount, ensure the fluid not over the maximum level line to avoid overfilling.
- When side mount, ensure the fluid not over the specified maximum level line to avoid overfilling.
- Smoke fluid may present health risks if swallowed. Never drink liquid. If it is ingested, call a doctor immediately for any discomfort. If liquid comes in contact with skin or eyes, rinse thoroughly with water. Store it securely.

◆ Opening the package and inspecting the machine

Please make sure the machine is in good condition after opening the package. If there is any damage, please contact with your dealer directly and do not power on the machine.

◆ The following parts should be included when you receive the package

1. One H-2VS machine
2. One power cord
3. One user manual

◆ Operating Instruction

H-2VS SUPER-JET VERTICAL FOG MACHINE

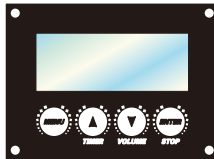
1. After ensuring all the accessories are intact, put the machine on a flat surface, and open the cover of the road case in front. After checking that all the parts are intact and complete, position the machine on flat.
2. Take out the tank and uncover the cap. Pour the liquid PRO-V into the tank carefully, then tighten the oil cap. Put the tank into the machine and push the connector lightly to connect the tube and oil tank. otherwise it might do harm to the machine itself, also out of the warranty.
3. Connect the neutrik power cord to the machine. Please make sure the required and provided electricity voltage and the electricity outlet is grounded.
4. Turn on the machine, the LCD panel will display “WARMING UP”.
5. When the process of heating up finishes, the LCD display will show “READY TO FOG”.

◆ Installation

1.1 LCD controller

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

Please take note LCD control is invalidated when the unit is connected to DMX. 4 buttons on the LCD controller



- “ MENU ” : Scroll through setting menu;
- “ UP ” : Increase, multiplex “TIMER” button ;
- “ DOWN ” : Decrease, multiplex “VOLUME” button;
- “ ENTER ” : In/Out,multiplex “stop” button;

1.2 Press “ MENU ” button to switch different pages,6 pages in all:

1. English: “ Ready To Fog ”
Page 1: the machine is ready to work
2. English: “ Interval Set ”
Page 2: to set the interval of timer mode , adjustable from 1~200s
3. English: “ Duration Set ”
Page3: to set the duration of timer mode , adjustable from 1~8s
4. English: “ Color Optional”
Page 4: Set the color when triggered by button A, from 0~10

5. English: “ DMX512 Address. ”

Page 5: The DMX address can be set up from 1 to 512;

6. English: “ Language ”

Page 6: Select the language saved by “Enter”

When the machine is not working, press “Stop” to Exit/Go back to home page.
When the machine is working, press “Stop” to stop machine working and go back to home page.

Press UP and DOWN to change the value in each setting page.

At home page, press “TIMER” button to activate timer mode, LCD displays as below:

“Interval 10s ” Interval countdown

“Duration 5s” Duration countdown

The two pages will display circularly when each countdown finish, “Interval” and “Duration” time could be set in page 2 and 3.

At home page, press VOLUME button to activate volume mode, the machine starts to fog

At Channel A page, press ENTER button to LED color setting page. Press UP and DOWN to choose color. Press ENTER to save and exit the setting. There are total 11 LED color modes, which are “OFF”, “Co1-Co9” (9 colors) and “random color changing (rand)” mode. The color setting of Channel A will be effected when press button A .

a). When set to OFF, the LED would not light up.

b). 9 colors are as following:

Co 1: Red

Co 2: Green

Co 3: Blue

Co 4: Pink

Co 5: Purple

Co 6: Orange

Co 7: Yellow

Co 8: Sky blue

Co 9: White

After setting the color, the corresponding color will light up when output controlled .

c). When Random mode, the LED will change color randomly, the interval is 1s.

Note:

When connected to DMX controller, the color setting from this page will be invalid, the LED color would be controlled by DMX controller.

◆ DMX

- When connected DMX controller, the LCD shows DMX address setting page only, to easily set DMX address

◆ DMX instruction

- Total 11 DMX channels as below:
 - Channel 1: Fog (0-9) OFF, (10-255) ON.
 - Channel 2: Inner LED red, (0-9) OFF, (10-255) 0-100%.
 - Channel 3: Inner LED green, (0-9) OFF, (10-255) 0-100%.
 - Channel 4: Inner LED blue, (0-9) OFF, (10-255) 0-100%.
 - Channel 5: Outer LED red, (0-9) OFF, (10-255) 0-100%.
 - Channel 6: Outer LED green, (0-9) OFF, (10-255) 0-100%.
 - Channel 7: Outer LED blue, (0-9) OFF, (10-255) 0-100%.
 - Channel 8: Color mixing, (0-9) OFF, (10-255) Color mixing
 - Channel 9: LED color changing speed automatically (0-9) OFF, (10-255) changing speed slow to fast.
 - Channel 10: LED strobe(0-9) OFF, (10-255) strobe, slow to faster.
 - Channel 11: Dimmer (0-9) OFF, (10-255) 0-100%.

◆ Fluid sensor

This machine use electronic program to detect whether there is fluid inside tube or not, hence to protect the pump from being damaged when there is no fluid.

1. How to activate “low-fluid protection”

When the and activate it, so when the internal inspection module check out there is no oil inside the tube but the machine is still working, then the machine will get into oil free protection 20s later by shutting the pump off. The digital display will keep flashing.

2. How to release “low-fluid protection”

When the machine is under the protection of low fluid, after refilling the fluid, there are two ways to release the protection.

a). Keep pressing the one board red fog button until the fog liquid fill the tube completely, then the machine would exit low-fluid protection.

b). Under the DMX control, firstly push the slider of channel one to the value below 10(Fog OFF), then push the slider up to value above 10(Fog ON), the machine would exit low-fluid protection by doing so.

Note: When the machine is heating up. HEAT page is prior to ADDR and all the other pages. Without connecting with DMX, the digital display will back to page ADDR automatically.

◆ Service and Maintenance

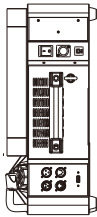
1. Please use DJPOWER fluid. It will prolong the lifetime of machines. To avoid danger, it is not allowed to take machine apart by unprofessional man. Neither to refit the machine.
2. Excessive dust, fluid residue and dirt will degrade performance and cause overheating. Remove dust from air vents with air compressor, vacuum or a soft brush. The casing could be cleaned by the damp cloth.
3. Before storing, run distilled water through the heating system to help avoid blocking the electric heating element.

4. It is recommended to run the machine on a monthly basis in order to achieve best performance and output condition.
5. All smoke machine will be blocked because of the inferior liquid or frequent use. Periodic maintenance is necessary for long term use. After 40 hours continuous working, please spray 10-15 times with the detergent composed of 35% vinegar and 65% distilled water.
6. Please properly operate the machine comply with user manual.

◆ Installation and instructions

You can use the fog machine in two situations: Floor(horizontal or vertical) and suspended use(reverse position)

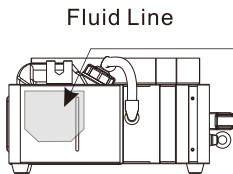
◆ Floor use



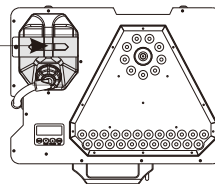
Floor Mounting
Horizontal Fog Jet



Floor Mounting-Vertical Fog Jet



Vertical Fog Jet



Horizontal Fog Jet

- ◆ Note: If you use the machine in horizontal fog jet, follow instructions closely to avoid tank spills.

◆ Suspended use

When mounting the machine in any reverse position, remove the fluid tank from

H-2VS SUPER-JET VERTICAL FOG MACHINE

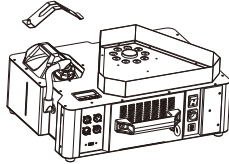
the holder and set it upright on an adjacent surface.

Make sure the structure of surface onto which you are mounting the product can support the product's weight

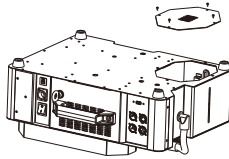
When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss

When rigging the product onto a truss, you should use mounting clamps of appropriate weight capacity

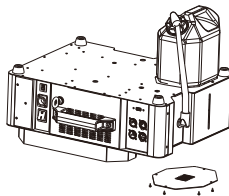
◆ Fluid tank position in reverse position use:



Remove the screw and the bottle lock to take out the tank.



Turn the fog machine upside down and removable the screws to take off the removable plate.



Attach the removable plate to the opposite side and secure the tank with the bottle lock.

◆ Technical specification

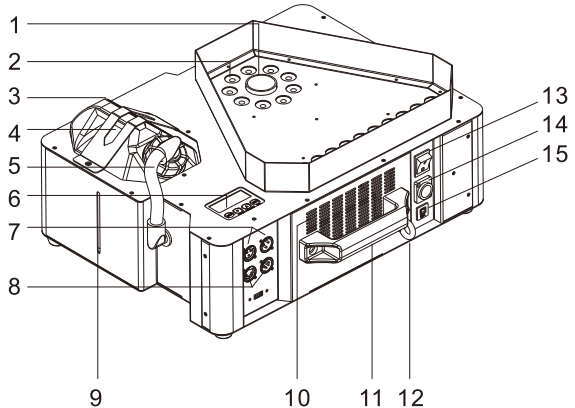
Input Voltage:	AC 220 V - 240 V, 50/60 Hz
Breaker:	15 A/250 V
Total Power Consumption:	3,100 W
LED Power:	5 W × 32 pcs
LED Color:	RGB
Regular Heat-up Time:	4 min
Max Continuous Output Duration:	8 s
Output:	54,000 cuft/min
Fluid Consumption Rate:	3.7 min/L
Max Output Height:	10 m
Tank Capacity:	2.5 L
DMX Channel:	11
Net Weight:	16 kg

H-2VS SUPER-JET VERTICAL FOG MACHINE

Gross Weight:	17.5 kg
Machine Dimensions:	475 × 401 × 205 mm
Packing Dimensions:	570 × 485 × 265 mm
Consumables:	PRO-V

◆ Diagram

1. Nozzle
2. LED
3. Tank
4. Fixed Plate
5. Fluid Tube
6. LCD Display
7. 3-pin DMX Socket
8. 5-pin DMX Socket
9. Oil-less Indicative Lamp
10. Cooling Hole
11. Handle
12. Hanging Ring
13. Power Switch
14. Power Socket
15. Breaker



◆ 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.

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

H-2VS SUPER-JET VERTICAL FOG MACHINE

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 1 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.

