DJPOWER®

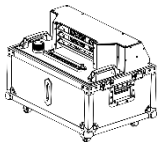# H-5S OIL-BASED HAZE MACHINE

USER MANUAL

CONTENTS

1 BEFORE YOU BEGIN

1.1 What Is Included

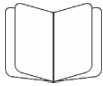H-5S × 1   Power Cord × 1   Warranty Card × 1   User Manual × 1

1.2 Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier or dealer/seller immediately. In addition, keep the box and contents for inspection.

1.3 Symbols

Symbol	Meaning
⚠	**Caution** Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
ⓘ	**Important** Important installation or configuration information. Failure to comply with this information may keep the product from working correctly.
💬	**Information** Useful information.

1.4 Disclaimer

The information and specifications contained in this User Manual are subject to change without notice. DJPOWER assumes no responsibility or liability for any errors or omissions and reserves the right to revise or to create this manual at any time.

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1.5 Safety Notes

Please read the following Safety Notes carefully before working with the product. The notes include important safety information about installation, usage, and maintenance.

1.5.1 Personal Safety

• Always connect the product to a grounded circuit to avoid the risk of electrocution.

• During heating up and operation, the housing will be scalding hot. Do not touch.

• Make sure that children, unauthorised people and animals do not obtain access to the machine.

• Do not drink or become in contact with the haze fluid. If you do, call your local emergency service for help.

1.5.2 Mounting and Rigging

• The product is for indoor use only! To prevent risk of fire or shock, do not expose the product to rain or moisture.

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• CAUTION: When transferring product from extreme temperature environments, (e.g. cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow product to fully acclimate to the surrounding environment before connecting it to power.

• Do not mount the product on a flammable surface (linoleum, carpet, wood, paper, carton, plastic, etc.).

• Do not use in a confined space. Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.

• Be sure that no ventilation slots on the product's housing are blocked or clogged by dust. If necessary, remove the dust.

1.5.3 Power and Wiring

• Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.

• Make sure the power cord is not crimped or damaged.

• Never connect this product to a dimmer pack or rheostat.

• Never disconnect the product from power cord by pulling or tugging on the cord.

• To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it

1.5.4 Operation

• Do not operate this product if you see damage to the housing or cables. Have the damaged parts replaced by an authorized technician at once.

• Do not use the product as a space heater.

• Make sure there are no flammable materials close to this product while it is operating.

• Depending on the amount of haze generated, all haze machines may set off smoke detectors.

• The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.

• **Do not cover the ventilation slots when operating to avoid internal overheating.**

• **Do not cover or plug the output nozzle during operation.**

• Wipe up spitted fluid immediately. Moisture – also fluid – can destroy the electric.

• Never carry the product by the power cord or any moving part. Always use the handles of the machine.

• **Make sure the haze outlet is uncovered before using, and properly sealed with leakproof lid before transporting.**

• Always disconnect the product from the power source before cleaning.

• In the event of a serious operating problem, stop using the product immediately.

• This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs which can lead to damage or malfunction.

• **Use only DJPOWER Consumable, haze fluid PRO-H1L is recommended.**

☺ **Keep this User Manual for future use. If you sell the product, be sure that the purchaser receives this document.**

2 INTRODUCTION

2.1 Description

H-5S is a professional oil-based haze machine. Using high-pressure atomization technology, no heating system, to produce haze without waiting for pre-heat up. Selected best quality components ensure the professional haze effect and durability. Updated nozzle provides better haze effect. Extremely low fluid consumption rate and long-time continuous output, suit for all kinds of indoor and outdoor performances.

2.2 Features

• User-friendly LCD display and operation;

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- Angle and speed adjustable for better effect;

- Optional keypad tone to meet demand;

- Dry and fine haze, diffuse fast;

- No need heating, plug and play;

- Fluid level indicator in the flight case and internal LED for using;

- Built-in LCD control and DMX control;

2.3 Product Overview

Sealing Cap for Fluid Tank
Haze Outlet
Fluid Level Window
Leakproof Lid

Breaker
3-/5-pin DMX Socket
Power Switch
Control Board
Power Inlet/Outlet

Air Inlet
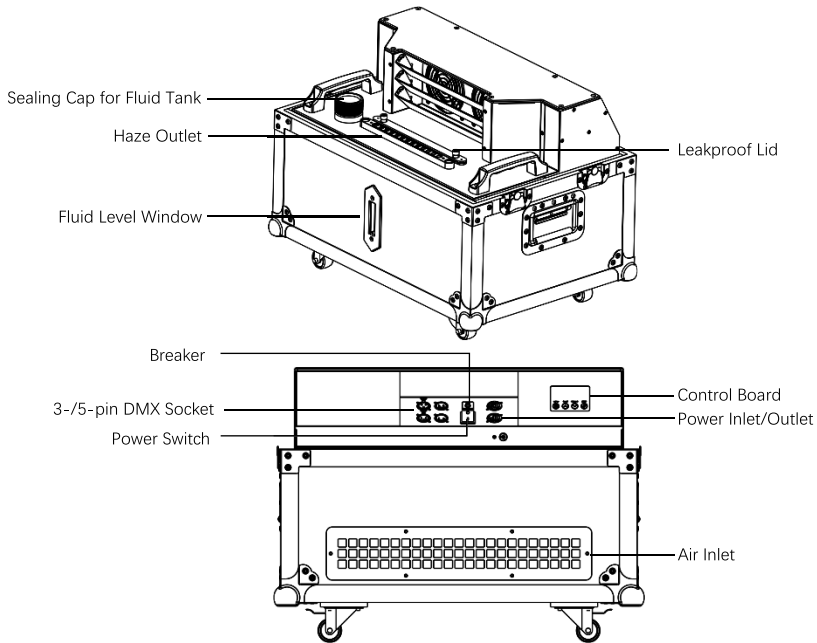
2.4 Product Dimensions

628 mm

446 mm

492 mm

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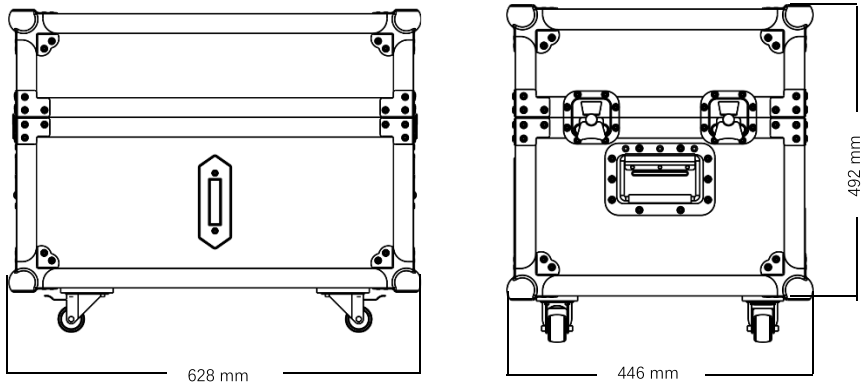
3   TECHNICAL SPECIFICATIONS

AC Power	Input Voltage & Rate	220-240 V, 50/60 Hz
	Current Limiter Type	Breaker
	Current Limiter Specifications	5 A, 250 V
	Total Power Consumption	700 W
	Operating Current	**3.0 A**
	Power Input Connector	Lockable PowerCon
Heating	Heat Up Time	0 s
Capacity	Fluid Tank Capacity	5.0 L
Output	Adjustable Volume	√
	Volume Adjustment Level/Range	High/Low
	Max Output Volume	**6,400 cfm**
	Fluid Consumption @ full volume	1.3 mL/min
	Maximum Continuous Duration @ full volume	Unlimited
	Continuous Output	√
Placement & Mounting	Horizontal	√
	Inclined	×
	Vertical	×
	Hang Upside Down	×
	Rigging & Trussing	×
Control	On-device Manual Control	LCD control board
	Wireless Control	×
	Wired Control	×
	Control Protocol	DMX512
	DMX Channel Range	2
	Data Connectors	3- and 5-pin XLR
Accessory	Power Cord	√
	Wireless Controller Model	×
Consumable	Consumable	PRO-H1L
Weight & Dimensions	Net Weight	46.0 kg
	Gross Weight	50.0 kg
	Machine Dimensions	**615 × 425 × 460 mm**
	Packing Dimensions	**680 × 500 × 555 mm**

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4 SETUP

4.1 AC Power

The machine has a fixed voltage power supply and can work with an input voltage of AC 220 V-240 V, 50/60 Hz, depending on the specific model.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.

⚠️ **Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**

ⓘ **Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

4.2 AC Plug

The H-5S comes with a power input cord terminated with a Lockable Powercon connector on one end and an EU plug on the other end (EU & China market). If the power input cord that came with your product has no plug, or if you need the change the plug, use the table below to wire the new plug:

Connection	Wire (U.S.)	Wire (Europe)
AC Live	Black	Brown
AC Neutral	White	Blue
AC Ground	Green/Yellow	Green/Yellow

4.3 Resetting the Breaker

This product is equipped with a resettable breaker. If the breaker trips, all sections of this product will lose power.

• Remove the power cord from mains power.

• Allow unit to cool for 15 minutes.

• After 15 minutes, you may attempt to reset the breaker by pressing the button with your finger.

• Plug the product's power cord into the power outlet and continue using as recommended.

4.4 DMX Linking

You can link the H-5S to a DMX controller using a 3- or 5-pin DMX connection. If using other DMX-compatible products with this product, you can control each individually with a single DMX controller. Instructions for connecting and configuring this product for DMX operation are in the User Manual.

4.5 Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

4.5.1 Orientation

Always mount this product in a safe position and make sure there is adequate room for ventilation, configuration, and maintenance.

4.5.2 Rigging

DJPOWER recommends using the following general guidelines when mounting this product.

• Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.

• Make sure that the structure or surface onto which you are mounting the product can support the product's weight (see the Technical Specifications).

• When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

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5 OPERATION

5.1 Preparing for Operation

To prepare the H-5S for operation, perform the following steps.

- After checking that all the parts are intact and complete, position the machine on flat.
- Open the flight case.
- Remove the cap of fluid tank.
- Pour DJPOWER PRO-H1L haze fluid into the tank (Do NOT exceed the max fluid level) and replace the cap.
- Always connect the product to a grounded circuit. Before power on, make sure it is connected with the rated voltage.
- The machine has no heating system, to produce haze without waiting for pre-heat up.

5.2 On-device Control Panel

To access the control panel functions, use the four buttons located underneath the LCD display.

Button	Function
<MENU> / ☰	Switch menu pages to select a function
<TIMER> / ⌄	Increases the numeric value of current function Triggers TIMER output mode
<VOLUME> / ⌄	Decreases the numeric value of current function Triggers VOLUME output mode.
<STOP> / ↵	Save current setting and return to standby page. STOP output

5.3 On-device Control Mode & Operation

5.3.1 Programming

- Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.
- To go to the desired main level, press <MENU> repeatedly until the option shows on the display. This will take you to the first programming level for that option.
- To select an option or value within the current programming level, press <TIMER>⌃ or <VOLUME>⌄ until the option shows on the display. If there is another programming level, you will see that first option, or you will see the selected value.
- Press <MENU> repeatedly to switch menu pages.
- Press <STOP> to go back to Standby Page at any time.

5.3.2　　Menu Map

	Display	Description	Parameter Range
Welcome Pages	DJPOWER Version V1.0	Software version	
Standby Page	Ready to Haze DJPOWER	No heating system, to produce haze without waiting for pre-heat up	
Settings Page	Timer Interval 115S	Press ⌃ or ⌄ to set Timer Interval	5-200
	Timer Duration 6S	Press ⌃ or ⌄ to set Timer Duration	5-200
	Auto Run Last Settings ON	Press ⌃ or ⌄ to Auto Run Last Settings	ON/OFF
	Fan Speed 100%	Press ⌃ or ⌄ to set Fan Speed	1-100%
	Haze Output High	Press ⌃ or ⌄ to set Haze Output	High/Low
	Keypad Tone ON	Press ⌃ or ⌄ to set Keypad Tone	ON/OFF
	Fluid Level Illuminated ON	Press ⌃ or ⌄ to set Fluid Level Illuminated	ON/OFF
	DMX Address 1	Press ⌃ or ⌄ to set DMX starting address	1-512
	Language(语言) English	Press ⌃ or ⌄ to set Language, and save it by pressing ENTER	Chinese/English
Working Page	Interval 110S DJPOWER	Interval of TIMER mode	
	Duration 110S DJPOWER	Duration of TIMER mode	
	HazeOutput High DJPOWER	Haze output of VOLUME mode, and you can select it by press ⌃ or ⌄	
Warning Page	Warning! Haze Outlet Closed!	When showing this page, please open the leakproof lid	

5.4　DMX Mode & Operation

The Machine H-5S works with a DMX controller.

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• Connect the product to a suitable power outlet.

• Turn the product on.

• Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

5.4.1 Starting Address

When selecting a starting DMX address, always consider the number of DMX channels. If you choose a starting address that is too high, you could restrict the access to some of the product's channels.

⚠️ **DJPOWER® H-5S DMX set the starting address in the 001 – 512 DMX range and uses 2 DMX channels, which defines the highest configurable address to 511 to have all channels controllable.**

💬 **Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product, or press repeatedly "MENU" button until the LCD shows "DMX Address". Press "⌃" or "⌄" to set desired DMX starting address.**

5.4.2 DMX Mode Menu Map

• While connect to DMX signal, the display will show DMX starting address, and you can press ⌃ or ⌄ to set DMX starting address

```
DMX Address
            1
```

5.4.3 DMX Channel Assignments and Values

Channel	Function	Value	Description
1	Fog	000 – 009	No Function
		010 – 163	Haze Output Low
		164-255	Haze Output High
2	Fan	000 – 009	No Function
		010 – 255	Fan Speed (Slow to Fast)

6 MAINTENANCE

Excessive dust, fluid residue and dirt will degrade performance and cause overheating. Remove dust from air vents with air compressor, vacuum or soft brush. The casing could be cleaned by the damp cloth.

ⓘ **Test-run your DJPOWER® H-5S on a monthly basis to achieve the best performance.**

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