

## **H-IP4000 SKYMIST HAZER**

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### **USE MANUAL**

# 1 Foreword

## 1.1 What is included:




- H-IP4000 Machine X1
- Power cord× 1
- Warranty card× 1

## 1.2 Unpacking Instructions

When you receive the machine, carefully unpack the product and check all contents to ensure that all parts are complete and in good condition.

If the box or its contents (including the product and accessories) appear damaged or show signs of mishandling during shipping, please notify the carrier or dealer/seller immediately. Additionally, return the original box and all contents for inspection.

## 1.3 Symbols

Symbol	Meaning
	<b>Caution</b> Critical information about installation, configuration, or operation. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	<b>Importance</b> Important information about installation or configuration. Failure to comply with this information may keep the product from working correctly.
	<b>Information</b> Useful information.

## 1.4 Disclaimer

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

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## 1.5 Safety Notes

Please read the following Safety Notes carefully before running the product. The notes include

important safety information about installation, usage, and maintenance of the machine.

### 1.5.1 Personal Safety

- Always use a grounded power outlet to avoid the risk of electric shock.
- This machine is for adult use only. Keep children away from the machine.

### 1.5.2 Mounting and Rigging

- This machine is designed for outdoor use with IP54 waterproof grade, but please do not immerse the machine in water.
- When transferring product from extreme temperature environments (e.g. from cold truck to warm humid ballroom) , condensation may form on the internal electronics of the product which may trigger electric shock. To avoid such malfunctions, please make sure that the product is fully acclimated to the surrounding environment before connecting the power supply. Make sure that there are no flammable objects in the vicinity of the machine during operation.
- Do not mount the product on a flammable surface (linoleum, carpet, wood, paper, carton, plastic,etc.).
- Do not use the unit in a confined space. Always install the product in a location with adequate ventilation, at least (50 cm) from adjacent surfaces.
- Ensure that the ventilation holes on the machine casing are not blocked. If blocked, please clean them promptly.

### 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.
- Do not connect the machine to the dimming controller or rheostat.
- Do not disconnect the product from power cord by pulling or tugging on the cord.
- To eliminate unnecessary wear and improve its lifespan, completely disconnect the product from power supply by using breaker or unplugging the power plug during the periods of non-use.

### 1.5.4 Operation

- Do not operate this product if you notice damage to the housing or cables and call an authorized technician to replace the damaged parts at once.
- Do not use this machine as a space heater.
- Make sure there are no flammable objects in the vicinity of the machine during operation.
- The maximum ambient temperature is 40 °C. Do not operate the product at higher temperatures.
- Do not cover the ventilation holes during operation to avoid high temperatures inside the machine.
- Do not cover or block the nozzle during operation.
- Do not use the power cord or any moving parts to carry the machine.
- Drain the fluid tank before transporting the product.
- Disconnect the machine from the power supply before cleaning.
- In the event of a serious malfunction, discontinue use immediately.

- This product contains no user-serviceable parts. Untrained and unauthorized technicians are not allowed to repair or modify this machine to avoid damage or malfunction.
- Please use DJPOWER professional haze fluid PRO-C or PRO-A.



**Please save this manual for future use. When resell the machine, be sure to attach the instructions.**

## 2 INTRODUCTIONS

### 2.1 Description

H-IP4000 is a new rainproof wave haze machine launched by DJPOWER, It is specially designed for large outdoor scenes. Enhanced high-intensity composite shell, no rust and durable. Rainproof and moisture-proof structure design, IP54 waterproof grade. It sends billows of smoke evenly and quickly over a wide space on rainy days. Using professional smoke generation modules and fine control circuits, it has strong mist production capabilities, Integrated flight case, compact size, convenient for touring and shipping, It is suitable for various outdoor cultural and tourism projects, light festivals, laser shows, outdoor performances and other large venues.

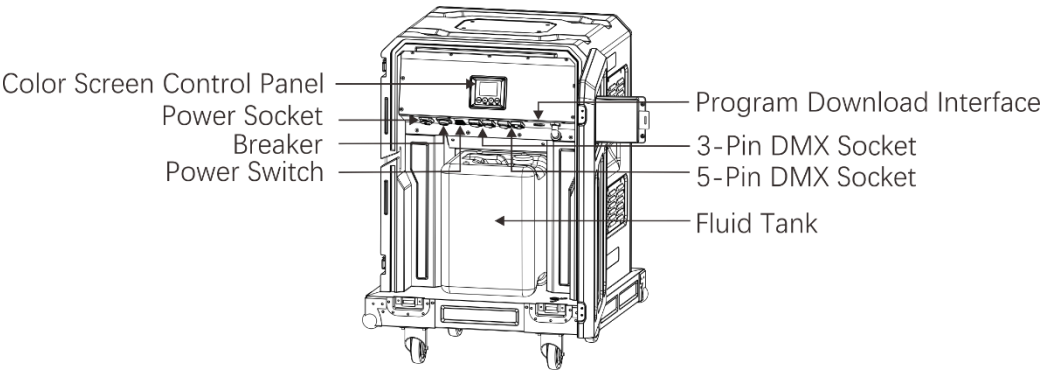
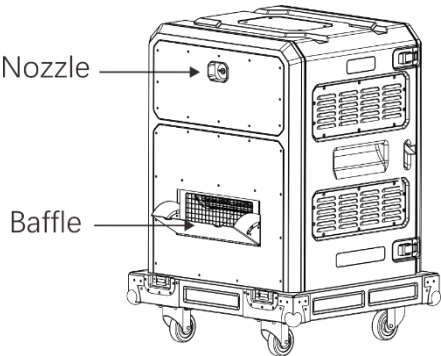
### 2.2 Features

- Enhanced high-intensity composite shell, stainless and durable;
- Rainproof structure design, IP54 waterproof grade;
- With waterproof quiet fan, strong wind, haze output is quieter;
- Baffle angle adjustable, easy control of haze output angle;
- Independently controllable LED lights for night operation;

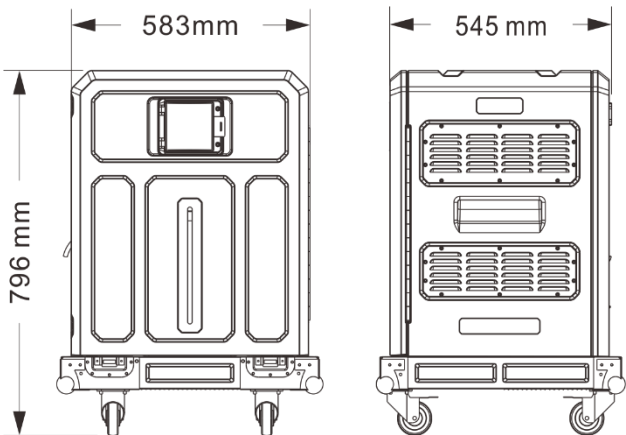
Please use the original DJPOWER professional haze fluid PRO-C or PRO-A, otherwise it might cause block and water squirting.

**Note: The actual effect may be affected by the environment.**

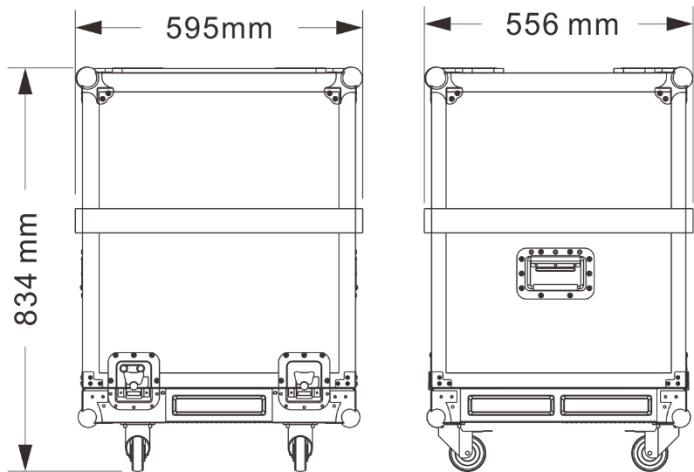
2.3 Product Overview



2.4 Product Dimensions



2.5 Flight Case Dimensions



3 TECHNICAL SPECIFICATIONS

AC Power	Input Voltage & Rate	AC 220-240 V, 50/60 Hz
	Current Limiter Type	Breaker
	Current Limiter Specifications	15 A, 250 V
	Total Power Consumption	2,500 W
Heating	Heat-up time	Appr. 8 min
Capacity	Fluid Tank Capacity	10 L
IP Grade	IP Grade	IP54
Output	Adjustable Volume	√
	Max Output Volume	Appr. 55,000 cuft/min
	Fluid Consumption Rate of Haze Mode	Appr. 25 min/L
	100% output	
	Fluid Consumption Rate of Fog Mode	Appr. 5 min/L
	100% output	
	Horizontal	√

<b>Placement &amp; Mounting</b>	Upright	×
	Side Placement (place on the ground without covering the heat emission hole)	×
	Hang Upside Down	×
	Rigging & Trussing	×
<b>Control</b>	On-device Manual Control	√
	Wireless Control	×
	Wired Control	×
	Control Protocol	DMX512/RDM
	DMX Channel Range	3
<b>Consumable</b>	Consumable	PRO-C/PRO-A
<b>Weight &amp; Dimensions</b>	Net Weight	47.5 kg
	With Flight Case Weigh	61.5 kg
	Gross Weight	64 kg
	Machine Dimensions	583 × 545 × 796 mm
	Flight Case Dimensions	595 × 556 × 834 mm
	Packing Dimensions	618 × 580 × 755 mm

## 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 that the product has an appropriate electrical grounding socket 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 DMX Linking

You can link the H-IP4000 to a DMX controller using a 3-pin 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.

## 4.3 Mounting

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

### 4.3.1 Orientation

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

### 4.3.2 Rigging

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

- Ensure that the installation location is convenient for machine maintenance and machine control operations.
- 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.

# 5 OPERATION

## 5.1 Preparing for Operation

Before operating the machine, please prepare according to the following steps:

- Check to make sure the machine and accessories are intact and complete, place the machine on a flat surface, unscrew the fluid cap and take out the fluid tank.
- Pour the liquid PRO-C or PRO-A into the tank carefully, then put the tank into the machine and

tighten the cap. The machine damage caused by the use of other liquid is not covered by the warranty.

- Connect the power cord to the machine. Please reconfirm the power supply specifications and plug the power cord into a grounded socket.
- Turn on the power switch, then the screen shows the power on page.

5.1.1 On-device Control Panel

This LCD display has Chinese and English for alternative to cater to different customer's demands. The condition to satisfy this method is to disconnect the DMX signal (when the DMX signal is connected, this control mode is invalid).







To operate the control panel, please use the four buttons located underneath the LCD display.

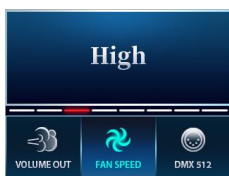


Button	Function
<MENU>	Switch menu pages to select a function (different pages set different functions)
<▲>	Increase, reuse "TIMER" key (timing output function)
<▼>	Decrease, reuse the "VOLUME" key (haze output function)
<ENTER>	Confirm//Exit, reuse the "STOP" key

- Refer to the menu page to understand the menu options, including the operating interface displayed and the values that can be selected.
- Press the <MENU> key repeatedly to enter the desired settings page until the option is displayed on the screen. The value that appears on this page is the first value of the parameter.
- Press "▲" or "▼" to set or select a parameter value on the current page. If it exceeds the parameter range, you will see the first parameter or the set value.
- Press <MENU> repeatedly to switch menu pages.
- Press <ENTER> at any time can switch between the current menu page and the standby page

5.1.2 Menu Map

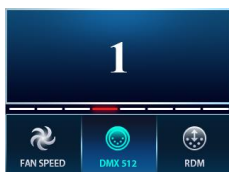
	Display	Description	Parameter Range
Starting Page			
Preparing Page		The machine is heating up. The machine can only work normally when it is heated to the preset temperature.	
Standby Page		The machine has reached operating temperature and is ready for operation.	
Setting Page		<b>Interval Time Setting</b> Press “▲” or “▼” to set the interval time	5-200S
		<b>Duration Setting</b> Press “▲” or “▼” to set the duration time	5-200S
Setting up Page		<b>Fog Output Setting</b> Press “▲” and “▼” to set the fog output volume	0% ~ 100%



### Wind Volume Setting

Press “▲” and “▼” to set the wind volume

High, Medium,  
Low



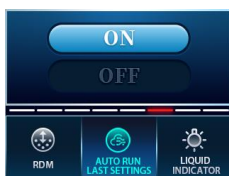
### DMX Address Setting

Press “▲” and “▼” to set the DMX address

1 ~ 511



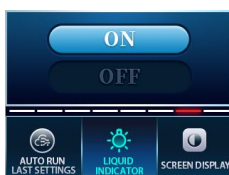
### RDM-UID Setting



### Power-off Memory Setting

After the machine is powered off and restarted, it will remember the status of the last operation. Press ▲ and ▼ to set the power-off memory function to be turned on or off.

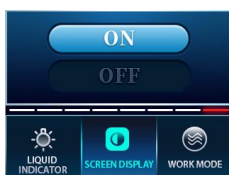
ON/OFF



### Liquid Level lighting Setting

Press “▲” and “▼” to set the liquid level light to be on or off.

ON/OFF



### Screen Display Setting

If set to on, the screen will enter the off state after 10S without any operation, and can be awakened by pressing any button. If set to off, the screen will remain on all the time.

ON/OFF



### Work Mode Setting

Press “▲” and “▼” to set the Word HAZE or FOG Mode to be Haze or Fog.

At any page, press STOP key to exit/return to the first page.

When in operation, press STOP key to stop working and return to the first page.

After entering the relevant page, press “▲” or “▼” to change the current setting.

### Timing page and function:

On the first page, if pressing the <TIMER> key is valid, it will enter the timing function. The related pages are described as follows:



Under this page, the interval time and duration time will be highlighted in red and automatically switch to the cycle countdown. The machine will not work during the interval time, but will work according to the set parameters under the duration time.

On the first page, if pressing the <VOLUME> key is valid, it will enter the working state. The relevant instructions are as follows:



On this page, you can select the parameter to modify by pressing <MENU>, the selected parameter will be highlighted in red, and you can change the current setting by pressing “▲” or “▼”.

On this page, the machine will work according to the set parameters.

## 5.2 DMX Control Mode and Operation

The machine H-IP4000 can be operated by a DMX controller.

- Connect the machine to a suitable power outlet.
- Turn on the machine.
- Connect the DMX output of the DMX controller to the DMX input socket on the machine via the DMX cable.

After the machine is connected to the DMX signal, the display screen will only show the DMX address setting page. At this time, the DMX512 address can be set and modified by pressing the "▲" or "▼" key.



The machine supports 3 DMX channels. The channel table is as follows:

Chanel	Function	Value	Description
1	Wind Volume Control	0-10	OFF
		11-92	Level 1
		93-174	Level 2
		175-255	Level 3
2	Fog Output Control	0-10	OFF
		11-255	Fog output is increasing
3	Haze Machine & Fog Machine	0-127	Haze Mode
	Mode Selection	128-255	Fog Mode

## 5.3 RDM FUNCTION

- RDM-UID is the unique UID code of the machine.
- RDM can be used to remotely modify the DMX address code.

# 6 TECHNICAL INFORMATION

## 6.1 Machine Cleaning And Maintenance

- 1. Please use DJPOWER original consumables to extend the service life of the machine. Do not allow non-professionals to disassemble the machine, and it is strictly forbidden to modify it to avoid danger.
- 2. Excessive dust on the machine, liquid residue accumulation of dirty, will reduce the performance of the machine, and lead to poor heat dissipation. Use an air compressor, vacuum cleaner or soft brush to remove dust from the machine. The case can be wiped with a wet cloth.
- 3. Before storing, please pour distilled water instead of fog fluid into the fluid tank and operate the machine in cleaning mode to avoid clogging of the heating pipes.



Test and run your DJPOWER® H-IP4000 every month to achieve the best performance.

## 6.2 Storage

### 6.2.1 Machine Storage

Before storing the machine, please empty the fluid tank after cleaning and maintaining the machine and keep the storage environment dry.

### 6.2.2 Trouble Shooting

Malfunction Errors	Fault Description	Potential Cause	Solution
No fluid	Fluid level too low	No fluid	Refill fluid
Machine malfunction	Turn off the power (screen flicker )	Thermocouple open circuit	Contact the dealer or after-sales service



