

H-S3 SNOW MACHINE

USER MANUAL

GUANGZHOU DJPOWER ELECTRONIC TECHNOLOGY CO.,LTD

1 BEFORE YOU BEGIN

1.1 What Is Included




H-S3 Snow Machine x1 W-4 Wireless Remote x 1 Power Cord x 1 Safety Cradle x 1
Certificate x 1 Warranty Card x 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.

Copyright © 2025 DJPOWER. All rights reserved.

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.
- This machine is not waterproof. Keep it away from moisture and water. If moisture, water, or any liquid enters the casing, discontinue use immediately.

- This machine is intended for adult use only. Keep it out of reach of children.

1.5.2 Mounting and Rigging

- In order to prevent the snow fluid from splashing onto the ground after the snow disperse, causing the ground to be slippery, it is recommended to use a layer of absorbent cotton on the ground of the snow machine to prevent slipping. When the machine is used hanging, the bottom of the machine should be kept away from people or important objects. After using the machine, snow fluid remaining on the ground should be cleaned up promptly to prevent people from slipping.
- This machine can be used both indoors and outdoors. Keep it dry and avoid exposure to rain or damp environments.
- 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.
- When suspending the machine, always secure it to the anchor point using a safety lanyard.
- 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.
- Ensure no flammable materials are present near the machine during operation.
- 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.
- Never carry the machine by its power cord or any moving parts.
- Drain the tank before transporting the product.
- Always disconnect the product from the power source before cleaning.

- In the event of a serious operating problem, stop using the product immediately.
- Snow fluid is not edible. Swallowing snow fluid may result in risk of damage to your health. Please store snow fluid in a safe indoor place. In case of contact with eyes or if swallowed, seek medical advice 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. Different consumables produce different effects. For details, please refer to the related consumables or consult our sales representatives.



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-S3 Ultra-Quiet Snow Machine is an upgraded version of the H-S2, featuring a more compact size and lighter weight. Equipped with DJPOWER's proprietary patented technology (Patent No.: ZL201820067693.X), this machine can be either suspended overhead or placed on the ground by converting the hanger into a stand, allowing adjustable snow projection angles. The H-S3 offers multiple control modes, including timed/quantified output, manual control, DMX control, and wireless remote control. With high-capacity snow output and an ultra-quiet design, it delivers evenly dispersed, highly realistic snow effects to elevate your performances. Ideal for all venues requiring artificial snow effects.

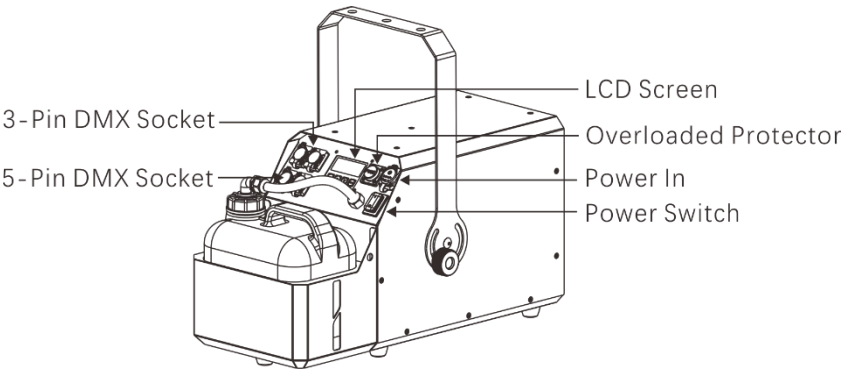
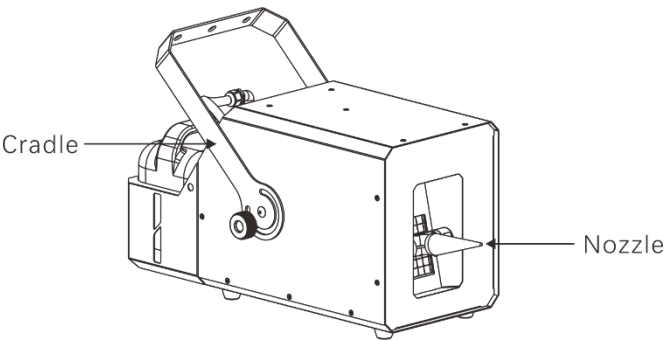
2.2 Features

- Ultra-quiet Operation: Only 65dB at 10m (quieter than normal conversation);
- Enhanced Airflow: Projects snow up to 10 meters for expansive coverage;
- Flexible Installation: Mount overhead or place on the ground with adjustable snow angle;
- Compact & Lightweight: Improved portability for easy setup and transport;
- Optimized Circuit Design: Prevents oil flow issues after prolonged storage;
- LCD control panel with DMX512 signal control support;
- English display interface for easier operation.

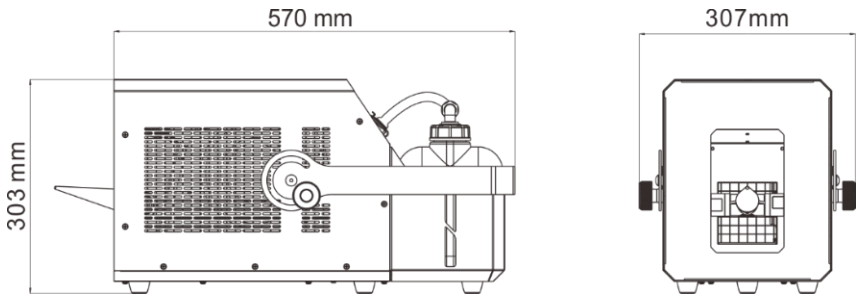
Use only DJPOWER Consumable. Different consumables produce different effects. For details, please refer to the related consumables or consult our sales representatives.

Note: Actual effects may vary depending on usage conditions.

2.3 Product Overview



2.4 Production Dimensions



3 TECHNICAL SPECIFICATIONS

AC Power	Voltage	AC 220-240 V, 50/60 Hz
	Breaker Data	5 A/250V
	Total Power	350 W
Output	Adjustable Output	√
	Continuous Output	√
	Max Output Distance	Appr. 10 m
		Appr. 30 m ² (placed on the floor in 45°)
	Max Output Coverage	Appr. 40 m ² (hung 5m height in 45°)
		Appr. 45 m ² (hung 10m height in 45°)
	Fluid Consumption Rate	Appr. 4min/L
Nozzle Placement	Lie Flat	√
	Keep Upright	×
	Side Lay (do not cover the radiating holes)	×
	Hang Upside Down	×
	Hang Up	√
Control	Manual Control	√
	Wireless Remote Control	W-4
	Wired Control	×
	Control Protocol	DMX512
	DMX Channel	2
Capacity	Tank Capacity	5 L
Consumable	Consumable	PRO-X or PRO-X.2 or PRO-X.3 or PRO-X.4
Weight & Dimensions	Net Weight	14.4 kg
	Gross Weight	16 kg
	Machine Dimensions	570 × 307 × 303 mm
	Packing Dimensions	630 × 395 × 360 mm

4 INSTALLATION SETTING

4.1 AC Power Supply

H-S3 has a fixed voltage power supply, which can be used according to the specific model AC 220 V-240 V, 50/60 Hz.

To determine the power requirements of the machine (circuit breaker, power outlet and wiring), please refer to the values listed on the machine panel label, or refer to the machine specification data. The listed values represent the average current consumption of the machine under normal conditions.



Always connect the machine to a protected circuit (circuit breaker or fuse). Make sure that the machine is connected to a grounded power plug to avoid electric shock or fire.



Never connect the machine to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is only used as a 0 or 100% switch.

4.2 Power Plug

H-S3 uses a self-locking power cord with a Chinese GB-compliant plug on one end. If the provided cord lacks a plug or requires plug replacement, refer to the following table for installation instructions:

Live Wire (L)	Black	Brown
Neutral Wire (N)	White	Blue
Ground Wire (GND/PE)	Green	Green/Yellow

4.3 DMX Connection

H-S3 supports both 3-pin and 5-pin connections to DMX controllers, and can be integrated with other DMX-compatible devices on the same control network for independent addressing. This user manual contains complete guidelines for DMX wiring, operation, and configuration.

4.4 Reset the Overload Protector

This machine is equipped with resettable overload protector. If the overload protector trips, the machine will be disconnected from the power source.

- Disconnect the machine from the power source.
- Wait 15 minutes for the machine to cool down.
- After 15 minutes, press the button of the overload protector to reset it.
- Plug the machine back into the power outlet and continue to use it as recommended.

4.5 Installation

Before installing the machine, read and follow all safety instructions provided in the safety guidelines.

4.5.1 Location

Place the machine on a flat, secure surface with adequate ventilation, configuration, and maintenance space.

4.5.2 Installation

DJPOWER recommends following these specifications for product installation.

- Ensure the installation location allows easy access for machine maintenance and control operations.
- Verify the supporting structure or surface can bear the machine's weight (refer to "Technical Specifications").

- When floor-mounted, ensure the machine and cables are positioned away from personnel and vehicle traffic.

5 WORKING WITH THE H-S3

5.1 Preparations

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

Step 1: After checking that the machine and accessories are not damaged, place the machine on a flat surface with at least 50 cm of space around the machine.

Step 2: Pour the snow fluid into the tank, taking care not to fold the tube. Damage caused by the use of other liquids is not covered by the warranty.

Step 3: Connect the machine to the power. Before connecting, please confirm whether the required power indicated on the technical label on the back of the machine is consistent with the power supply.

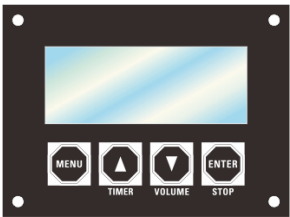
Step 4: Turn on the power switch, and the LCD screen will display "Ready to Work".



Be sure to link the machine to a protected circuit and make sure it is properly grounded to avoid the risk of electric shock.

5.2 LCD Control

- This LCD display is optional in Chinese and English, which is convenient for customers to operate.
- The condition to meet this mode is: disconnect the DMX signal (when the DMX signal is connected, the control mode is invalid).
- The LCD controller contains 4 buttons:



Buttons	Function
<MENU>	Used to change pages (different pages set different states)
▲	Increase, reuse the "TIME" button (timed output function)
▼	Decrease, reuse the "VOLUME" button (smoke output function)
<ENTER>	Confirm/exit, reuse the "STOP" button

5.3 LCD Control Mode and Operation

5.3.1 Operation Guide

- Refer to the "MENU Page" for menu options, including the display interface and selectable values.

- Press the <MENU> button repeatedly until the setting page for your desired parameter appears. The value initially displayed is the parameter's first available value.
- On the current page, use "▲" or "▼" to select parameter values. If the range limit is exceeded, the display will revert to either the first value or the preset value.
- Press <MENU> repeatedly to cycle sequentially through different menu pages.
- Press <ENTER> to return to the standby page.

5.4 MENU Page

	LCD display	Description	Value Range
Ready Page	Ready To Work H-S3	It shows that the machine is ready to work	
	Fan Output 100%	Fan speed setting, press "▲" or "▼" to adjust the fan speed	1%-100%
Setting Page	Snow Volume 100%	Snow volume setting, press "▲" or "▼" to adjust snow size	1%-100%
	Wireless ON	Can be set to On/Off/Pairing. In Pairing mode, you can pair the remote control. The system will automatically switch to On state after exiting this page	On/Off/Pairing
	Timer Interval 10S	Snow output interval setting, press "▲" or "▼" to adjust	5S-600S
	Timer Duration 10S	Snow output duration setting, press "▲" or "▼" to adjust	5S-300S
	Timer Fan Output 100%	Timed fan speed setting, press "▲" or "▼" to adjust	1%-100%
	Timer Snow Volume 100%	Timed snow volume setting, press "▲" or "▼" to adjust	1%-100%
	DMX512 ADD 512	DMX512 address setting, press "▲" or "▼" to set	1-512

	<div> <div>Auto Run Last Settings</div> <div>ON</div> </div>	When enabled, after a power outage and restart, the machine will retain its last operational state. Press "▲" or "▼" to enable/disable this function	ON/OFF
	<div> <div>Turn Off Screen</div> <div>ON</div> </div>	When enabled, the screen will automatically turn off after 10 seconds of inactivity. Press "▲" or "▼" to enable/disable this function	ON/OFF

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 directly. The relevant pages are described as follows:

LCD Display		Description	Value Range
Setting Page	<div> <div>Timer Interval</div> <div>10S</div> </div>	Snow output interval setting, press "▲" or "▼" to adjust	5S-600S
	<div> <div>Timer Duration</div> <div>10S</div> </div>	Snow output duration setting, press "▲" or "▼" to adjust	5S-300S
	<div> <div>Timer Fan Output</div> <div>100%</div> </div>	Timed fan speed setting, press "▲" or "▼" to adjust	1%-100%
	<div> <div>Timer Snow Volume</div> <div>100%</div> </div>	Timed snow volume setting, press "▲" or "▼" to adjust	1%-100%

The above screens will cycle through display, and the timing (e.g. 10s) will follow the currently set value (as configured on Page 1 and Page 2).

When the "VOLUME" button is pressed (valid operation), the device enters working mode. Related instructions are as follows:

LCD Display		Description	Value Range
Setting Page	<div> <div>Snow Volume 100%</div> <div>Fan Output 100%</div> </div>	Press "▲" or "▼" to adjust	1%-100%

5.5 Wireless Remote Control Function

The wireless remote is used for operating the device remotely. The remote control function will only take effect when the remote function is enabled, and no DMX signal is connected.

H-S3 can be controlled by the W-4 wireless controller. The W-4 remote features two buttons: Press "ON" to start the machine, and "OFF" to stop it. Each unit can recognize up to 10 wireless transmitters with different encoding schemes, enabling independent control of multiple units without interference from other transmitters.



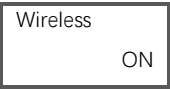
5.5.1 Identify the Wireless Transmitter

When the device is powered on and the remote control function menu is accessed, set the parameter to "Pairing" to initiate wireless transmitter recognition. To register a transmitter, press and hold any button on the wireless transmitter for at least 1 second. Successful pairing is confirmed when the LCD controller's backlight flashes twice, indicating successful identification of a transmitter. The system supports a maximum of 10 registered transmitters. When attempting to pair an 11th transmitter, the system will automatically overwrite the earliest paired transmitter in the memory.



If the system had already registered 10 wireless transmitters during the previous power cycle, and at least one new transmitter is successfully paired during the current power cycle, the earliest registered transmitter will be automatically deleted.

Upon exiting the "Wireless Set" page - whether through manual selection or automatic timeout - the parameter will automatically revert to the "ON" state.



5.5.2 Wireless Remote Control During Operation

Press the "ON" button on the wireless transmitter to start the machine, and press the "OFF" button to stop it.

In wireless control mode, the output parameter values are determined by the following settings:

LCD Display		Description	Value Range
Setting Page	<div>Fan Output 100%</div>	Press "▲" or "▼" to adjust	1%-100%
	<div>Snow Volume 100%</div>	Press "▲" or "▼" to adjust	1%-100%



1. During transmitter registration, you must wait until the LCD backlight flashes twice before releasing the "Lock" button, as this confirms successful transmitter identification.

2. If the remote control function is set to "OFF", all remote control features will be disabled.

3. When operating in DMX control mode, remote control functions become inactive as DMX takes priority.

5.6 Automatic Screen Timeout Function

When the auto screen-off function is enabled via the control panel, the machine will automatically turn off the display after 10 seconds of inactivity. The screen can be woken up by pressing any button. DMX control remains fully functional regardless of the screen state.

Auto Run Last Settings
ON

5.7 DMX Control and Operation

H-S3 can be operated using a DMX controller:

- Connect the machine to an appropriate power outlet.
- Turn on the machine.
- Connect the DMX output from your controller to the machine's DMX input port using a DMX cable.

When the machine receives a DMX signal, the LCD panel will exclusively display the DMX Address setting page. Press "▲" or "▼" to adjust the DMX512 address.

The machine has two channels:

Channel	Function	Value	Description
1	Fan Speed	000 - 010	Off
		011 - 255	Gradually Increase
2	Snow Size	000 - 010	Off
		011 - 255	Gradually Increase

6 TECHNICAL INFORMATION

6.1 Maintenance

H-S3 needs regular cleaning and maintenance to achieve the best results. Some cleaning and maintenance steps are essential. Here are the recommended cleaning steps:

- Unplug the product from power.
- Empty snow fluid from the machine.
- Add water to the snow fluid tank.
- Connect the product to power and allow it to warm up. Run the Cleaning Mode. Thoroughly rinse the snow fluid reservoir and fluid tube.
- Run the product in a well-ventilated area. Do not allow the pump to run dry.

- Add snow fluid again to continue using H-S3. Run the machine briefly to remove any remaining clean water from the oil pump and heater.
- 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-S3 on a monthly basis to achieve the best performance.

6.2 Storage

6.2.1 Machine Storage

Before storing the machine, clean it and empty the fluid tank. Keep storage environment dry.

