

SNOW-1500 SNOW MACHINE

USER MANUAL

GUANGZHOU DJPOWER ELECTRONIC TECHNOLOGY CO.,LTD

1 BEFORE YOU BEGIN

1.1 What Is Included




SNOW-1500 Machine x 1	K-4 Timer Remote Controller x 1	Hanging Bracket x 1
Power Cord x 1	Certificate x 1	Warranty Card x 1
Optional Accessories: W-2 Wireless Controller		

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

Symbols	Meaning
Caution	
	Critical information about installation, configuration, operation. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
Important	
	Important information about installation or configuration. 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 for any errors or omissions and reserves the right to revise or 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 electric shock.
- This machine is not waterproof, please stay away from moisture and water. If moisture, water, or liquid gets into the housing, stop using it.

- The machine is for adults only, and keep children out of reach of the machine!

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. 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. Please keep the machine dry and do not expose it to rain or humidity.
- When transferring product from extreme temperature environments, (e.g. cold truck to warm humid ballroom) the resulting condensation may cause a risk of electric shock. To avoid such failures, make sure that the machine is acclimatized to the surrounding environment before connecting the power supply. Make sure there are no flammable items around the machine during operation.
- Do not place the machine on flammable surfaces (linoleum, carpet, wood, paper, cartons, plastic, etc.).
- Always install the product in a well-ventilated location, leaving at least 50 cm of space around the machine.
- When hanging, always use safety cables to secure the machine to the fastening device.
- Be sure that no ventilation slots on the product's housing are blocked. If blocked, please clean them promptly.

1.5.3 Power and Wiring

- Carefully check whether the power voltage matches the rated voltage of the machine before connecting the power.
- Make sure the power cord is not crimped or damaged.
- Never connect this product to a dimming controller 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 please completely disconnect the product from power via breaker or by unplugging it.

1.5.4 Operation

- Do not operate this product if the machine housing or cables are found to be damaged. Have the damaged parts replaced by an authorized technician immediately.
- Do not use the product as a space heater.
- Make sure there are no flammable materials close to this machine while it is operating.
- The maximum ambient temperature(Ta) is 104 F(40 °C). Do not operate the machine 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 product by the power cord or any moving part. Always use the handles of the machine.
- **Drain the fluid 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. Untrained and unauthorized technicians are not allowed to repair or modify this machine to avoid damage or malfunction.
- **Use only DJPOWER exclusive high-quality snow fluid. Different fluid will create different stage effect.**



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

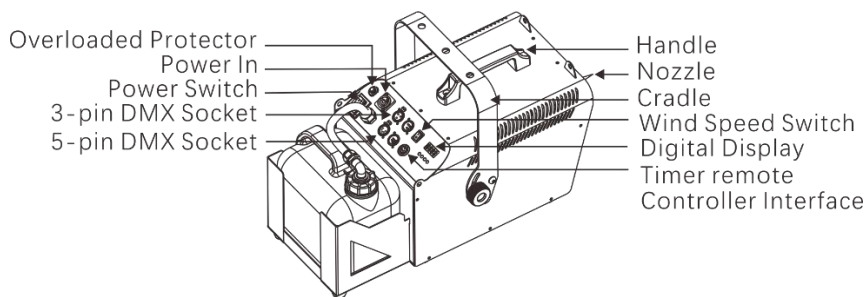
SNOW-1500 is a snow machine that can create a large amount of snow. It uses a K-4 timer remote controller to adjust the output volume of snowflake freely. It is compatible with DMX signals and can be used to control the output size of snow. Stable operation with low noise. It is suitable for all places where snow scenes need to be created.

2.2 Features

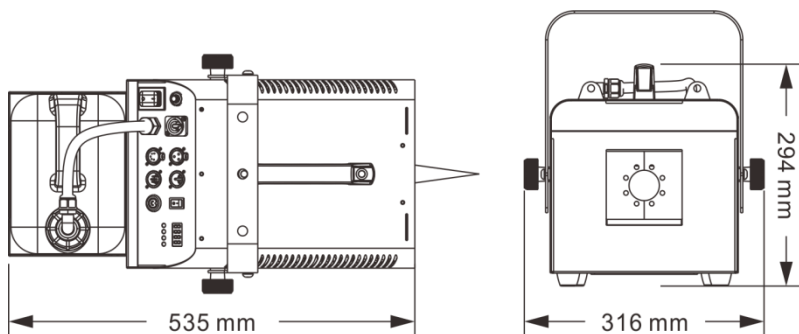
- High/Low wind speed and the snow output volume are adjustable;
- Could be controlled by DMX-512 signal and timer remote controller;
- Can hang in the air or place on the floor to adjust the angle of snowflake;
- Please use DJPOWER's high quality snow liquid, otherwise it will damage the machine !

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

2.3 Product Overview



2.4 Production Dimensions



3 TECHNICAL SPECIFICATIONS

	Input Voltage & Rate	AC 100-120 V, 50/60 Hz	AC 220-240 V, 50/60 Hz
AC power	Breaker Data	15 A/250V	10 A/250V
	Total Power	1,350 W	
Capacity	Fluid Tank Capacity	5 L	
	Adjustable Output	√	
	Continuous Output	√	
Output	Max Output Distance	Appr. 6 m	
	Max Output Coverage	Appr. 11 m ²	
	Fluid Consumption@ full volume	Appr. 3.4 min/L	
	Lie Flat	√	
Placement & Mounting	Keep Upright	√	
	Side Lay (do not cover the radiating holes)	×	
	Hang Upside Down	×	

Control	Hang Up	√
	On-device Manual	√
	Wireless Control	W-2
	Wired Control	K-4
	Control Protocol	DMX512
	DMX Channel	1
Consumables	Consumable	PRO-X or PRO-X.2 or PRO-X.3
Weight & Dimensions	Net Weight	10.3 kg
	Gross Weight	12.2 kg
	Machine Dimensions	535 × 316 × 294 mm
	Packing Dimensions	615 × 380 × 330 mm

4 INSTALLATION SETTING

4.1 AC Power

SNOW-1500 has a fixed voltage power supply, which can be used according to the specific model AC 220 V-240 V, 50/60 Hz or AC 100V-120V, 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 AC Plug

SNOW-1500 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 to change the plug, use the table below to wire the new plug:

AC Live	Black	Brown
AC Neutral	White	Blue
AC Ground	Green	Green/Yellow

4.3 DMX Linking

You can link the SNOW-1500 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.

4.4 Reset the Overloaded Protector

This machine is equipped with resettable overloaded protector. If the overloaded 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 overloaded protector to reset it.
- Plug the machine back into the power outlet and continue to use it as recommended.

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 (Refer to 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

To prepare the SNOW-1500 for operation, perform the following steps.:

- After checking that all the parts are intact and complete, place the machine on a flat surface with at least 50 cm of space around the machine.
- Refill the PRO-X.2 snow fluid into the machine, be careful not to fold the tube, damage caused by the use of other fluid is not covered by the warranty.

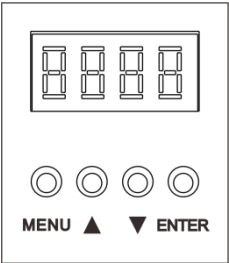
- Connect the machine to the appropriate power socket. Before connecting, please confirm whether the required power indicated on the technical label on the back of the machine is consistent with the power supply.



Always connect the machine to a protected circuit and ensure proper grounding to avoid the risk of electric shock.

5.2 On-device Control Panel

To access the control panel functions, disconnect the DMX signal (When DMX signal is connected, this control mode is invalid.), use the 4 buttons located underneath the Digital display.








Button	Function
<MENU>	Switch menu pages to select a function
▲	Increases the numeric value of current function
▼	Decreases the numeric value of current function
<ENTER>	Save current setting and return to standby page

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. It will guide you to the first programming level for that option.
- To select an option or value within the current programming level, press "▲" or "▼" 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 <ENTER> to go back to Standby Page.
- The machine can be operated manually without remote from within the menu setting.

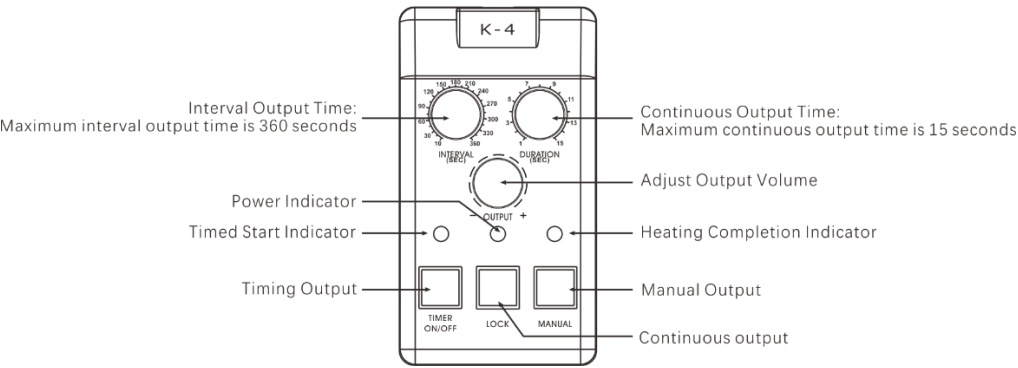
5.4 Menu Map

	LCD Display	Description	Parameter Range
Standby Page		Ready To Work	
		Press "▲" or "▼" to select DMX starting address. Confirm selection with ENTER.	1-512
Setting Pages		Press "▲" or "▼" to adjust the snowflake output . Confirm selection with ENTER.	001-100
Manual Output Page		Press "▲" or "▼" to select "ON" or "OFF" for manual operation. Confirm selection with ENTER.	ON/OFF
			

5.4.1 Wind Speed Switch

In the modes of DMX Control, Timing Control, Manual Control and Wireless Control, you can use the wind speed switch to adjust the fan speed. At high speed, the output snowflakes will fly farther, and the noise will increase. At low speed, the output snowflakes will fly closer, and the noise will decrease.

5.5 K-4 Timer Remote Controller Instructions (Standard)



5.5.1 Timer Remote Control Mode & Operation

The wired timer controller allows you to automatically trigger snow output by setting the interval and duration time. LED indicator shows the current status of the machine and controller. Rotate knob to set the interval time, output and duration time, while the manual and continuous output buttons can override the control.

- Plug the snow machine to power.
- Plug the wired timer controller into the S5 pin header on the SNOW-1500.

The wired timer controller has 3 working modes of operation: Timer, Lock, and Manual.

5.5.2 TIMER Mode

To trigger a machine with a timer function, follow the instructions below:

- Set the desired output level with the output knob.
- Adjust the **<INTERVAL>** and **<DURATION>** knobs to the desired position.

The **<INTERVAL>** knob sets the interval time for the machine to output.

The **<DURATION>** knob sets the continuous output time of the machine.

- When the **<TIMER>** latching. The LED indicator above the button will light up. The timer will now run as set by the **<INTERVAL>**, **<DURATION>** and **<OUTPUT>** knobs.
- Press the **<TIMER>** button again to turn off the timer.

The <MANUAL> button will override the timer.

5.5.3 LOCK Mode

To trigger the machine to continuously output snow, follow the instructions below:

- Set the desired output level with the output knob.
- Press the **<LOCK>** latching button. The LED indicator above the button will light up. The snow machine starts to output snow until the **<LOCK>** button is pressed again to stop the snow output.

The duration of continuous snow output is based on the capacity of the fluid tank.

Fluid consumption will be significantly increased during continuous mode.

5.5.4 Manual Mode

To trigger the machine manually, do the following:

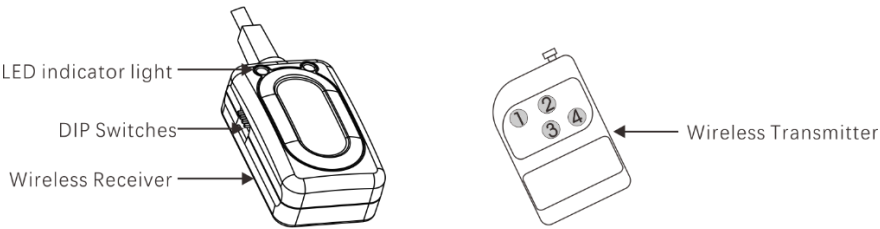
- Set the desired output level with the output knob.
- Press **<MANUAL>** button on the wired timer controller. The LED indicator above the button will light up.
- Pressing the **<MANUAL>** key starts snow output. Release the **<MANUAL>** button to stop snow output.

The duration of manual snow at any given output setting is based on the fluid level in the tank.

5.6 Wireless Remote-Control Mode & Operation (Optional)

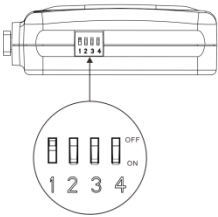
SNOW-1500 can be controlled with W-2 wireless controller. W-2 remote control kit includes transmitter and receiver. Any (or more) W-2 transmitters can be used directly with any (or more) W-2 receivers without pairing.

Use W-2 kit to control up to 4pcs SNOW-1500, or control more SNOW-1500 machines that need to be controlled synchronously. Please refer to the following content to set up and remotely operate SNOW-1500.



- Plug the wired receiver into the S5 pin socket "Wireless Controller" of the SNOW-1500. When the red LED indicator lights up, it means the receiver has been successfully connected. (The green LED indicator has no response)
- The 4 buttons on the remote wireless transmitter can control the working status of the machine. Each button can be assigned to a different SNOW-1500. Each receiver corresponds to only one DIP switch (the corresponding channel button can only be used when the corresponding DIP switch is turned on). Please refer to the following table to set the receiver and remote transmitter of SNOW-1500:

Channel 1	1 = ON, 2-4 = OFF
Channel 1, Channel 2	1, 2 = ON, 3, 4 = OFF
Channel 1, Channel 2, Channel 3	1, 2, 3 = ON, 4 = OFF
Channel 1, Channel 2, Channel 3, Channel 4	1, 2, 3, 4 =ON
...	...



5.7 DMX Operation

SNOW-1500 can be operated by a DMX controller

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

After the machine is connected to the DMX signal, the display panel can only show the DMX512 address setting page. At this time, you can modify the DMX512 address code by press "▲" or "▼".

SNOW-1500 has 1 channel:

Channel	Function	Value	Description
1	Snow Output	000 - 010	OFF
		011 - 255	1-100%

6 TECHNICAL INFORMATION

6.1 Maintenance

SNOW-1500 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 socket.
- Empty snow fluid from the machine.
- Add water to the snow fluid tank.
- Connect the machine to power and preheat it. It will automatically pump clean water into the machine to rinse the snow fluid remaining in the motor and the front nozzle.
- Run the machine in a well-ventilated area until the fluid tank is empty. But avoid empty pumping !
- Add snow fluid again to continue using SNOW-1500. Run the machine briefly to remove any remaining clean water from the oil pump and heater.
- Excessive dust, fluid residue on the machine will degrade the machine's performance and cause poor heat dissipation. Remove dust from the machine with air compressor, vacuum cleaner or soft brush. The casing could be cleaned by the damp cloth.



Test-run your DJPOWER ®H-SIP7 on a monthly basis to achieve the best performance.

6.2 Storage

6.3 Machine Storage

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