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CHAUVENT DJ SM250

CHAUVENT DJ SM250 Snow Machine Instruction Manual

1. INTRODUCTION

The CHAUVENT DJ SM250 is a high-output snow machine designed to create realistic snow effects for various events. It features user-friendly volume adjustment, wired timer remote control, built-in DMX, and a digital display for precise control. The machine utilizes non-toxic, water-based snow fluid, making it safe for diverse environments. This manual provides essential information for the safe and effective setup, operation, and maintenance of your SM250 Snow Machine.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of electrical shock, fire, or injury:

- Read all instructions before operating the machine.
- Ensure the machine is connected to a grounded power outlet.
- Do not operate the machine if the power cord is damaged.
- Use only CHAUVENT DJ approved non-toxic, water-based snow fluid. Other fluids may damage the unit or pose a health risk.
- Keep the machine away from water and moisture.
- Do not block ventilation openings.
- Allow adequate clearance around the machine for proper airflow.
- Disconnect from power before cleaning or servicing.
- This machine is not intended for use by persons with reduced physical, sensory, or mental capabilities unless supervised.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- CHAUVENT DJ SM250 Snow Machine
- Wired Timer Remote
- Power Cord

- User Manual

4. SETUP

Follow these steps to set up your CHAUVET DJ SM250 Snow Machine:

1. **Placement:** Place the snow machine on a stable, level surface in the desired location. Ensure there is sufficient space for the snow output and that the machine is not obstructed.
2. **Fluid Reservoir:** Unscrew the cap of the fluid reservoir located on top of the machine. Carefully pour CHAUVET DJ non-toxic, water-based snow fluid into the reservoir. Ensure the fluid intake tube is fully submerged in the fluid. Securely replace the cap.
3. **Power Connection:** Connect the included power cord to the power input on the rear of the machine and then to a grounded electrical outlet (120 VAC, 60 Hz).
4. **Remote Connection:** Connect the wired timer remote to the 'REMOTE' input on the rear control panel.



Figure 1: Front view of the CHAUVET DJ SM250 Snow Machine with fluid reservoir.



Figure 2: Rear control panel detailing power, DMX, and remote connections.

Video 1: Official product video demonstrating the CHAUVET DJ SM250 Snow Machine in operation, showcasing its high output and effect.

5. OPERATION

The CHAUVET DJ SM250 offers flexible control options for snow output.

- 1. Power On:** Flip the main power switch on the rear panel to the 'ON' position. The machine will begin to warm up.
- 2. Wired Timer Remote Control:**

- Use the 'Output Volume' dial on the remote to adjust the amount of snow produced.
- The remote also features controls for interval and duration of snow bursts.
- Press the 'Manual' button for continuous snow output or 'Timer On/Off' to activate timed operation.

3. **DMX Control:** For advanced control, connect a DMX controller to the DMX IN port. Refer to the DMX chart in the full manual for channel assignments and values.

4. **Blower Switch:** Utilize the Hi/Low blower switch on the rear panel to adjust the fan speed, influencing the coverage distance of the snow effect. 'Hi' provides wider and further coverage, while 'Low' offers a more concentrated effect.

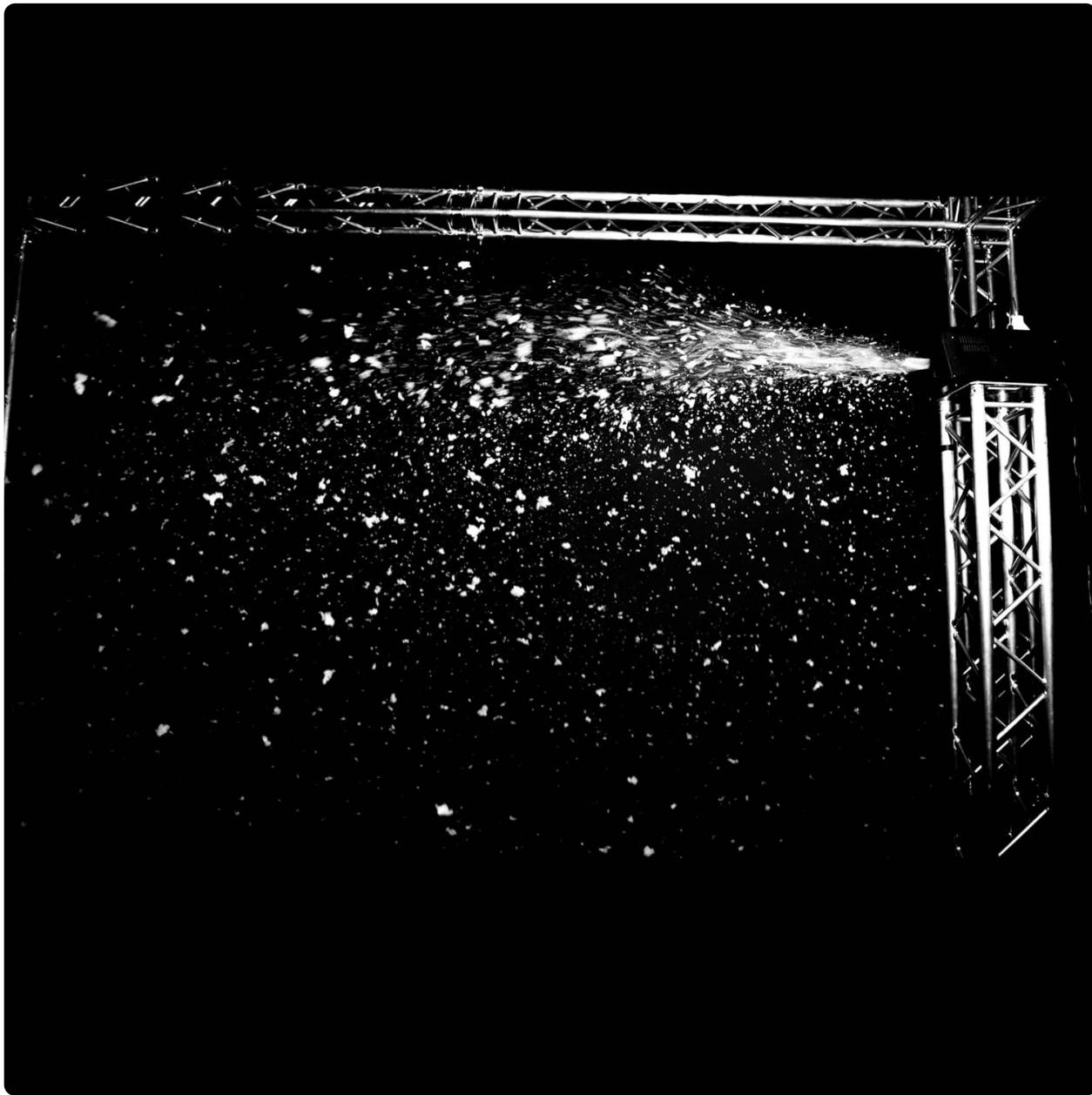


Figure 3: The SM250 Snow Machine creating a snow effect.

Video 2: Demonstration of a snow machine's remote and manual controls, including snowflake size adjustment.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your SM250 Snow Machine.

- **Fluid Type:** Always use high-quality, non-toxic, water-based snow fluid specifically designed for snow machines. Using other types of fluid can cause clogs, damage the pump, or create hazardous conditions.

- **Cleaning:** Periodically clean the exterior of the machine with a soft, dry cloth. Ensure no fluid or debris enters the internal components.
- **Fluid System Flush:** After extended use or before long-term storage, it is recommended to run a distilled water solution through the machine to prevent fluid residue buildup in the pump and lines.
- **Storage:** Store the machine in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the fluid reservoir is either empty or securely sealed.

7. TROUBLESHOOTING

If you encounter issues with your SM250 Snow Machine, refer to the following common troubleshooting steps:

- **No Snow Output:**

- Check if the fluid reservoir has sufficient snow fluid.
- Ensure the fluid intake tube is properly submerged and not kinked.
- Verify the power switch is ON and the remote is properly connected and activated.
- Allow adequate warm-up time for the machine.

- **Low Snow Output:**

- Adjust the output volume dial on the remote or DMX settings.
- Check the fluid level and ensure the fluid is not diluted excessively.
- Ensure the blower switch is set to the desired Hi/Low setting.

- **Unusual Noises:**

- Ensure the machine is on a stable surface.
- If the noise persists and is accompanied by reduced performance, contact customer support.

For persistent issues not covered here, please contact CHAUVET DJ customer support.

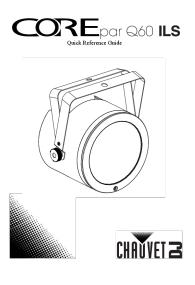
8. SPECIFICATIONS

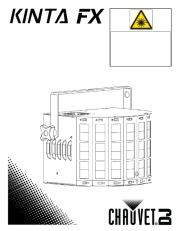
Feature	Specification
Model Number	SM250
Item Weight	20.2 pounds
Product Dimensions	15.35 x 16.54 x 24.02 inches
Input Voltage	120 VAC, 60 Hz
Control Options	Wired Timer Remote, DMX, Digital Display
Blower Switch	Hi/Low for coverage adjustment
Fluid Type	Non-toxic, water-based snow fluid

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official CHAUVET DJ website or contact their customer service directly. Specific warranty terms and conditions may vary by region and retailer.

Related Documents - SM250

	<p><u>SlimPAR Q12 ILS User Manual - CHAUVET DJ</u> User manual for the CHAUVET DJ SlimPAR Q12 ILS LED par light, covering setup, operation, maintenance, technical specifications, and safety information.</p>
	<p><u>CHAUVET Abyss 2 User Manual</u> Comprehensive user manual for the CHAUVET Abyss 2 lighting fixture, detailing installation, operation, DMX configuration, maintenance, technical specifications, and contact information.</p>
	<p><u>COREpar Q120 ILS User Manual - CHAUVET DJ</u> User manual for the CHAUVET DJ COREpar Q120 ILS, providing setup, operation, maintenance, and technical specifications for this LED par light.</p>
	<p><u>SlimPAR T12 ILS User Manual</u> User manual for the Chauvet SlimPAR T12 ILS, covering safety precautions, installation, programming, operation, and maintenance.</p>
	<p><u>CHAUVET DJ COREpar Q60 ILS Quick Reference Guide</u> Quick reference guide for the CHAUVET DJ COREpar Q60 ILS LED PAR light, covering setup, DMX control, safety, and specifications. Includes multilingual content.</p>



[Chauvet DJ Kinta FX User Manual - Setup, Operation, and Safety](#)

User manual for the Chauvet DJ Kinta FX multi-effects lighting fixture. Covers setup, operation modes, DMX control, technical specifications, and critical laser safety information.