

FOS technologies
FOS Snow 1200



Operation Manual



EN - DISPOSAL OF THE DEVICE

Dispose of the unit and used batteries in an environment friendly manner according to your country regulations.

FR - DÉCLASSER L'APPAREIL

Débarrassez-vous de l'appareil et des piles usagées de manière écologique Conformément aux dispositions légales de votre pays.

NL - VERWIJDEREN VAN HET APPARAAT

Verwijder het toestel en de gebruikte batterijen op een milieuvriendelijke manier conform de in uw land geldende voorschriften.

DU - ENTSORGUNG DES GERÄTS

Entsorgen Sie das Gerät und die Batterien auf umweltfreundliche Art und Weise gemäß den Vorschriften Ihres Landes.

ES - DESHACERSE DEL APARATO

Reciclar el aparato y pilas usadas de forma ecologica conforme a las disposiciones legales de su país.

PT - COMO DESFAZER-SE DA UNIDADE

Tente reciclar a unidade e as pilhas usadas respeitando o ambiente e em conformidade com as normas vigentes no seu país.

OPERATION MANUAL

Thank you for buying this product. To take full advantage of all possibilities and for your own safety, please read these operating instructions very carefully before you start using this unit.

FEATURES

- Powerful 1200W snow machine.
- Produces large amounts of artificial snow flakes.
- Adjustable snow output volume:
 - via the LCD on-board control.
 - via the wireless remote control (included)
 - via DMX
- Recommended Fluid: Snow Liquid

BEFORE USE

- Before you start using this unit, please check if there's no transportation damage. Should there be any, do not use the device and consult your dealer first.
- **Important:** This device left our factory in perfect condition and well packaged. It is absolutely necessary for the user to strictly follow the safety instructions and warnings in this user manual. Any damage caused by mishandling is not subject to warranty. The dealer will not accept responsibility for any resulting defects or problems caused by disregarding this user manual.
- Keep this booklet in a safe place for future consultation. If you sell the fixture, be sure to add this user manual.

Check the contents:

Check that the carton contains the following items:

- Operating instructions
- Snow machine
- Hanging bracket + with 2 knobs and 2 rubber rings (put the rings between the bracket and the machine).
- Wireless remote controller

SAFETY INSTRUCTIONS:



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: To reduce the risk of electric shock, do not remove the top cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user or the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.



This symbol means: indoor use only.



This symbol means: Read instructions.



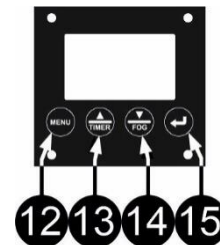
This symbol determines: the minimum distance from objects. The minimum distance between fogger output and objects must be more than 1 meter.

- To protect the environment, please try to recycle the packing material as much as possible.
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- To avoid condensation to be formed inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condensation sometimes prevents the unit from working at full performance or may even cause damages.

- This unit is for indoor use only.
- Don't place metal objects or spill liquid inside the unit. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- Locate the unit in a well ventilated spot, away from any flammable materials and/or liquids.
- Don't cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum save ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Make sure to always place the unit on a stable surface.
- Always unplug the unit when it is not used for a longer time or before you start servicing.
- Check that the available voltage is not higher than the one stated on the rear panel of the unit.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged. It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Never let the power-cord come into contact with other cables!
- This unit must be earthed in order comply with safety regulations.
- In order to prevent electric shock, do not open the cover.
- **Never** repair a fuse or bypass the fuse holder. **Always** replace a damaged fuse with a fuse of the same type and electrical specifications!
- In the event of serious operating problems, stop using the unit and contact your dealer immediately.
 - The housing must be replaced if it is visibly damaged.
- Please use the original packing when the device is to be transported.
- Due to safety reasons it is prohibited to make unauthorized modifications to the unit.

LCD ON-BOARD CONTROL

12. **[MENU]** Button: used to browse the setup menu (see next chapter)
13. **[TIMER/▲]** Button: used to increase the value of the selected parameter or to activate the timer of the unit. The fogger will work automatically.
14. **[FOG/▼]** Button: used to decrease the value of the selected parameter.
15. **Back Button:** used to stop the timer or manual operation of the fogger.



SETUP MENU

The setup menu is used to adjust the different parameters of the fogger.

The **[MENU]** button is used to browse the options of the setup menu:

- A.[DMX Addr]** press the ▲/▼-buttons (13+14) to adjust the DMX-address.
- B.[FAN SPEED xxx%]** press the ▲/▼-buttons (13+14) to adjust the fan speed (1-100%) while the fogger is used in manual or in timer mode.
- C.[VOLUME OUT xxx%]** press the ▲/▼-buttons (13+14) to adjust the output volume (1-100%) while the unit is used in manual / timer mode.
- D.[INTERVAL xxxs]** press the ▲/▼-buttons (13+14) to adjust the interval time (10s→255s) while the fogger is used in timer mode.
- E.[DURATION SET xxxs]** press the ▲/▼-buttons (13+14) to adjust the fog duration time (10s→255s) while the fogger is used in timer mode.
- F.[F.Sensor ON]** press the ▲/▼-buttons (13+14) to switch the fluid sensor ON or OFF (we recommend to have it switched ON)
- G. [Wireless ON]** press the ▲/▼-buttons (13+14) to switch the wireless remote receiver ON or OFF. When the wireless remote is not used, we recommend to switch the receiver OFF

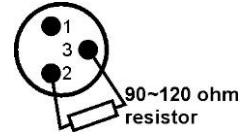
ELECTRICAL INSTALLATION



Important: The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.

Electrical installation for two or more units in DMX-mode:

- The DMX-protocol is a widely used high speed signal to control intelligent light equipment. You need to “daisy chain” your DMX controller and all the connected units.
- Pin layout XLR-3pin: Pin1=GND ~ Pin2=Negative signal(-) ~ Pin3=Positive signal(+)
- To prevent strange behavior of the light effects, due to interferences, you must use a 90Ω to 120Ω terminator at the end of the chain. Never use Y-splitter cables, this simply won't work!
- Make sure that all units are connected to the mains.
- Each unit in the chain needs to have its proper starting address so it knows which commands from the controller it has to decode.



OPERATING INSTRUCTIONS

- Put the snow machine on a flat and very stable surface.
- Make sure the liquid tank is not empty. Always use good quality snow liquid to fill up the tank. Close the tank immediately to prevent dirt to enter the reservoir!
- Make sure to plug the snow machine in a mains wall socket with earth connection
- Switch the snow machine on.

WARNING: NEVER use the machine with an empty reservoir. This can damage the pump !

Used with the supplied wireless remote controller:

- Pull out the antenna of the wireless remote controller.
- These are the functions of the buttons:
 - A: Fan ON
 - B: Fan OFF
 - C: Increase output volume (5 steps of 20%)
 - D: Decrease output volume (5 steps of 20%)
- To produce artificial snow, fan + pump volume should be both on



Controlled via DMX:

- Connect all units together. Refer to the chapter “Electrical installation for two or more units in DMX-mode” to learn how to do this (don't forget to address all units properly!)
- Connect all units to the mains and turn on the DMX controller. Since each unit has its own DMX-address, you can control them individually. See the DMX chart for the exact functions:

Channel:	Value:	Function:	Remarks:
1	000-009	No output	
	010-255	Blower Speed	Low to high
2	000-009	No output	
	010-255	Snow Output level	Low to high

OVERHEAD RIGGING

- **Important:** The installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and/or damage to property. Overhead rigging requires extensive experience! Working load limits should be respected, certified installation materials should be used, the installed device should be inspected regularly for safety.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- Locate the fixture in a well ventilated spot, far away from any flammable materials and/or liquids.
- The device should be installed out of reach of people and outside areas where persons may walk by or be seated.
- Before rigging make sure that the installation area can hold a minimum point load of 10times the device's weight.
- Always use a certified safety cable that can hold 12 times the weight of the device when installing the unit. This secondary safety attachment should be installed in a way that no part of the installation can drop more than 20cm if the main attachment fails.
- The device should be well fixed; a free-swinging mounting is dangerous and may not be considered!
- Don't cover any ventilation openings as this may result in overheating.
- The operator has to make sure that the safety-relating and machine-technical installations are approved by an expert before using them for the first time. The installations should be inspected every year by a skilled person to be sure that safety is still optimal.

MAINTENANCE

IMPORTANT:

Clean the machine after use and before long term storage.

- Empty the tank or replace it by an empty spare tank.
- To remove the deposit in a tank, rinse it with distilled water including 20% of white vinegar. Don't run the machine with this vinegar solution!
- **When the tank is clean, fill it up with distilled water and activate the machine. This will remove the remaining snow fluid from the internal circuit and the pump.**

During inspection the following points should be checked:

- All screws used for installing the device and any of its parts should be tightly fastened and may not be corroded.
- Housings, fixations and installations spots (ceiling, truss, suspensions) should be totally free from any deformation.
- The mains cables must be in impeccable condition and should be replaced immediately when even a small problem is detected.

Attention: We strongly recommend internal cleaning to be carried out by qualified personnel!

SPECIFICATIONS

This unit is radio-interference suppressed. This product meets the requirements of the current European and national guidelines. Conformity has been established and the relevant statements and documents have been deposited by the manufacturer.

This device has been designed to produce decorative effect lighting and is used in light show systems.

Mains Input:	AC 230V, 50Hz
Power consumption:	1200 Watt
DMX connections:	3 pin-XLR input + output
DMX Channels:	2
Fuse:	T8A/250V (slow blow 6x30mm)
Tank size:	5 L
Recommended Fluid:	High Quality Snow Liquid
Size:	585 x 380 x 365 mm (without hanging bracket)
Weight:	14.35 kg

All the information is subject to change without prior notice