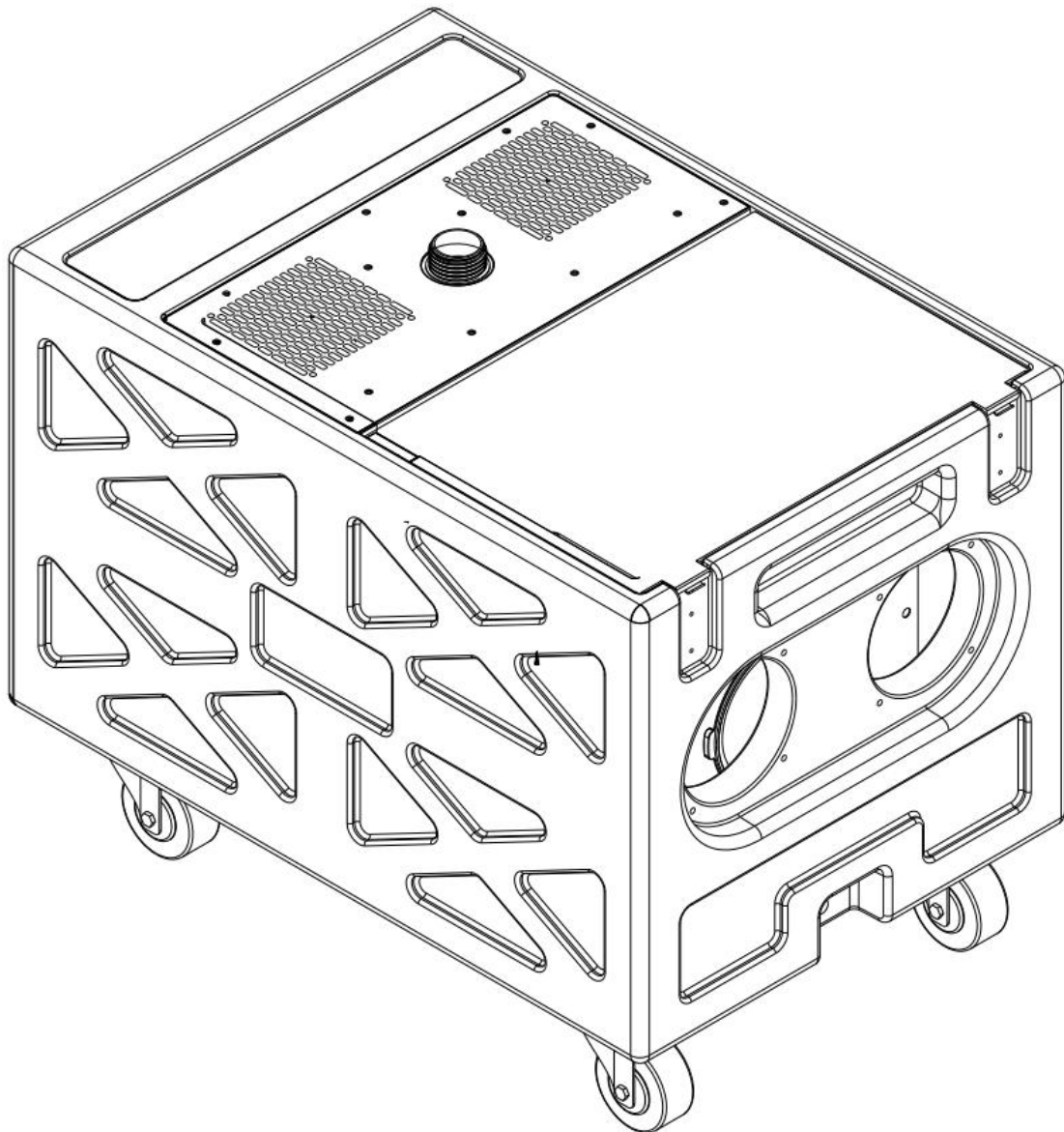


FOS

Water Low FOG IP65

USER MANUAL



HIGH IP RATE FOR LONG TIME USE
STRONG PLASTIC WITHOUT RUST PROBLEM

OPERATION MANUAL

Thank you for buying this FOS 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

- Plastic and stainless steel machine body, high IP rate(rainproof design).
- Powerful ultrasonic elements convert the combination of smoke fluid and normal water into a large amount of beautiful low-lying fog.
- Perfect for covering areas of up to 150-300m² with thick ground fog.
- No more hassle with expensive and hard to find CO2 dry ice !
- Recommended fog fluid for best results: FOS professional low fog fluid.
- Low-noise operation: perfect for use in theatres, TV-studios, ...
- The black hose is equipped with a "fast click-on" system to significantly reduce installation time!
- The included plastic nozzle ensures a better distribution of the low fog.
- Fog liquid tank is a part of machine body, users no need to take care fluid tube, and no leakage when transport.
- IP68 Fan on the top side of machine to deliver more stronger and clean air flow to mix fog with water mist.
- Adjustable fog output and fan speed:
 - Via 2 DMX channels.
 - Via the on board control panel with LCD-display and timer.
 - Via wireless remote(Set fog output/fan speed on display at first).

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
- Power cable

- Low fog machine
- Flexible output hose
- Hose nozzle

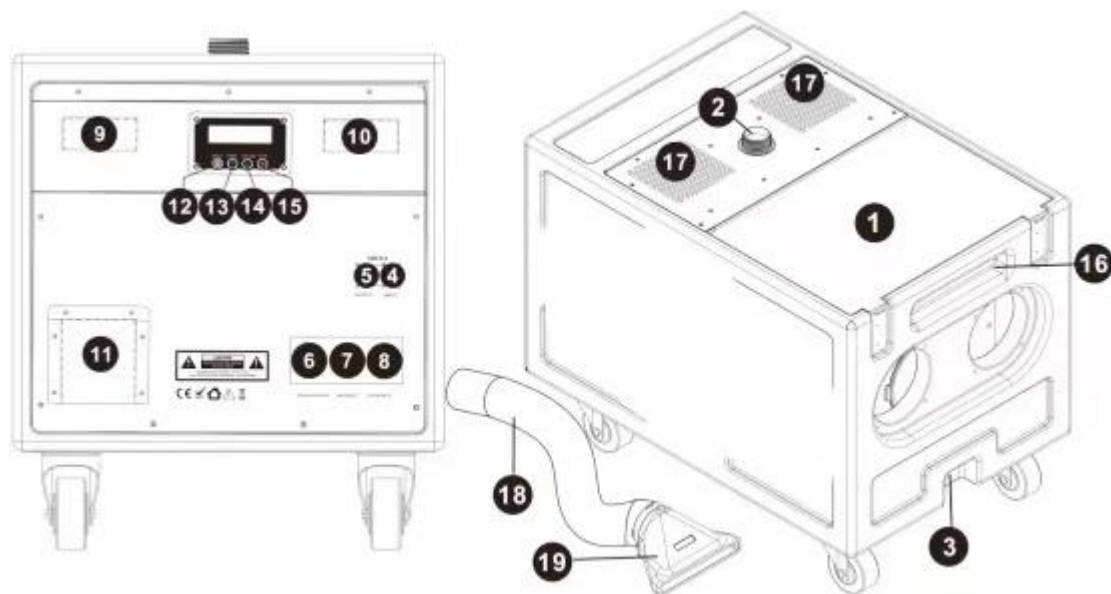
SAFETY INSTRUCTIONS:

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.

- 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. Condense 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.
- The units' surface temperature may reach up to 85°C. Don't touch the housing with bare hands during its operation.
- Make sure to always place the unit on a stable surface, never install the fogger above the audience, a little liquid can always drip from the fog output.
- Allow the device about 10 minutes to cool down before you start servicing.
- 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 fixture and contact your dealer immediately.
- The housing must be replaced if they are 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.

DESCRIPTION:



1. WATER TANK COMPARTMENT: this is the big water tank where 3 powerful piezo elements are mounted on the bottom.
2. FOG FLUID, Fog fluid tank: The fog fluid tank should be filled up with standard fog fluid. Attention: don't spill liquid in the container compartment;
3. WATER EVACUATION TAP: used to drain the water tank. Don't forget to close it when you fill up the tank.
4. DMX INPUT: male 3pin XLR-connector used to connect the unit with the DMX controller or with the previous unit in the DMX chain.
5. DMX OUTPUT: female 3pin XLR-connector used to connect the unit with the next unit in the DMX chain.
6. POWER SWITCH: Used to switch the unit on/off.
7. AUTOMATIC CIRCUIT BREAKER: if this beaker fails, please inspect the unit well before you press the breaker to re-activate it again. If the problem occurs again, stop using the machine and bring it in for technical repair.
8. MAINS INPUT: connect the supplied PowerCON mains cable here. The cable should be plugged in a mains wall socket with earth connection.
9. AIR INTAKE, this is for cooling down the area of heater space.
10. AIR INTAKE, this is for cooling down the area of PCB and power supply.

11. AIR OUTLET, this is for exhausting hot air out of machine.
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. [VOLUME/▼] Button: used to decrease the value of the selected parameter or switch the output manually on.
15. [STOP] Button: used to stop the timer or manual operation of the fogger.
16. HANDLE: the front handle, there are two handles to take the machine up, the other handle is at the top of rear panel.
17. AIR INTAKE TO DELIVER LOW FOG: do not cover these air intakes. Make sure they cannot soak up dirty or polluted air.
18. HOSE WITH FAST COUPLER: the fogger comes with an extendable PVC hose to evacuate the produced low fog. The hose is fixed to the fogger with a very easy “twist and click” bayonet coupler. Simply stretch the hose out and place it on the floor so that the low fog can flow over the stage.
19. PLASTIC NOZZLE: ensures a better distribution of the low fog.

OPERATING INSTRUCTIONS

!!! IMPORTANT !!!

The water tank **MUST** be filled with water before use: see previous chapter!

To ensure better reliability it is highly recommended to use decalcified or distilled water!

The markings for min/max water levels must be respected!

► Empty the water tank before each transport and after each use ◀

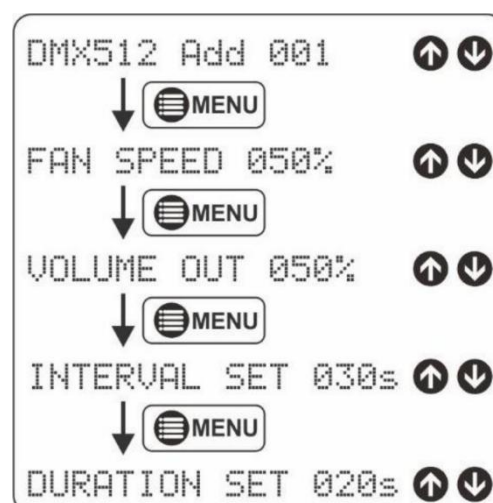
- Put the fogger on a flat and very stable surface and activate the brakes on the wheels.
- Use standard fog liquid to fill up the fog fluid canister. Close the canister to prevent dirt to enter the reservoir!
- Fill up the big water tank with distilled or decalcified water. On the inside of the tank there are several level indications: fill the tank until the water level is between the minimum and maximum lines. (+/- 10 to 15 liters). The water level indicators (9+10) will turn from [MIN] to [OK]
- Connect the fogger to a mains wall socket with earth connection
- Switch the fogger on and wait for about 2 to 3 minutes. (warm up time)
- You can now use the machine via the build-in timer or it can be controlled by DMX. (see below)

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.[DMX512 Add] 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 SET xxxs] press the ▲/▼-buttons (13+14) to adjust the interval time (10s→200s) while the fogger is used in timer mode.

E.[DURATION SET xxxs] press the ▲/▼-buttons (13+14) to adjust the fog duration time (10s→100s) while the fogger is used in timer mode.

Controlled via DMX:

- Connect the unit to the DMX-line for a DMX setup.
- Press the [MENU] button until the DMX address appears on the display
- Use the ▲/▼ buttons to set the desired DMX address.
- The unit uses 2 DMX channels:

Channel 1: fan speed (000-005: fan off, 006-255: fan speed 1-100%)

Channel 2: volume control (000-005: no output, 006-255: fan volue 1-100%)

Controlled via the internal timer:

In this mode the fogger is not connected to a DMX-controller.

- First set the fan speed, volume, interval & duration time (see “setup menu” points B to E)
- Press the [X STOP]-button (15) to be sure that the fogger is in STOP mode.
- Press the [TIMER/▲]-button (13) to start the timer function.
- Press the [X STOP]-button (15) to stop the timer function.

Manual Control:

In this mode the fogger is not connected to a DMX-controller.

- First set the fan speed & output volume (see “setup menu” points B to C)
- Press the [X STOP]-button (15) to be sure that the fogger is in STOP mode.
- Press the [VOL/▼]-button (14) to start the manual working mode.
- Press the [X STOP]-button (15) to stop the manual working mode.

Controlled via the Wireless Remote:

In this mode the fogger is not connected to a DMX-controller.

- First set the desired fan speed, and volume (see “setup menu” points B to C) • Press the Back button (15) to be sure that the fogger is in STOP mode.
- Check if the wireless receiver mode is switched ON in the unit.
- You can now use the wireless remote controller to start (button A) and stop (button B) the fog production.

Important: don't forget to pull out the antenna of the wireless remote controller for a better signal transmission.



Instructions for refilling of the fog fluid canister

- Fog fluid should be added when the machine shows “FOG FLUID EMPTY”
- If needed follow the instructions for “**Manual Control**” to start up the machine

again.

- Repeat the steps if the machine is not working immediately.

TRANSPORT INSTRUCTIONS

- Always empty the big water tank before transport: open the water evacuation tap (3) on the bottom of the fogger.
- When the water tanks is empty: put the extendable PVC-hose in the big water tank.
- To avoid spilling fog fluid: make sure that the fog liquid canister is not more than half full during transport.
- Close the top lid of the flight case and unlock the wheel brakes.
- Put the flight case in the truck but DO NOT TIP THE MACHINE !!!
- Always lock the brakes during transport!!!

MAINTENANCE

- **IMPORTANT:** Always set the output to Zero and wait for minimum 30 seconds before to switch off the unit. This allows the unit to execute its cleaning process so all the remaining fluid is removed from the internal circuits..
- Switch off the unit, unplug the mains cable and wait until the unit has been cooled down.

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.

Mains Input: AC220-240V, 50/60Hz.

Power consumption: 3000W.

DMX Channels: 2.

Fuse: 250V, 15A.

Warm up time: 5mins.

Fog liquid tank: 2.8L.

Water tank: 28L.

Recommended fog liquid: FOS FLL-3/FLL-5.

Optimally usable floor area: 150-300m².

Fog liquid consumption: 1-95ml/min.

Fluid-less protection: √ YES.

Water-less protection: √ YES.

Packing dimension(L x W x H): 735 x 505 x 620 mm.

Gross Weight: 42.85kg.

All the information is subject to change without prior notice

You can download the latest version of this user manual on our website:

www.fos-lighting.eu