FOS JET 900

PRODUCT SPECIFICATIONS

TECHNICAL SPECIFICATION

Voltage: 220 / 240 Volt AC, 50/60 Hz.

Power Consumption: 950 Watt.

Heating element: 900 Watt

Light Source: 6x 3 Watt RGB LEDs

Control: Wireless remote, DMX

DMX Channels: 4

Protection Class: IP20 (for indoor use only)

Width: 385 mm

Depth: 280 mm

Height: 190 mm

Weight: 6 Kg

SAFETY WARNING

- If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.
- It is essential that the device is earthed. A qualified person must carry out the electric connection.
- Make sure that the available voltage is not higher than stated on this manual.
- Make sure the power cord is not crimped or damaged. If it is damaged, ask your dealer or authorized agent to replace the power cord.
- Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.
- During initial start-up, some smoke or smell may arise. This is normal and should decrease gradually.
- DISCONNECT DEVICE: Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

CAUTION

1. Be very careful during installation. Since you will be working with a dangerous voltage you can suffer a life threatening electric shock when touching live wires.
2. Please be aware that damages caused by manual modifications to the device are not subject to warranty. Keep away from children and non-professionals.
3. The Fog machine doesn't include any spare parts for repair, please check if all the parts are well installed and screws are fitted tightly before operating. Do not use the fog machine when the cover is open.

General Guidelines

- This device is only allowed to be operated with an alternating current of AC110~230V/50Hz and was designed for indoor use only.
- Do not shake the device. Avoid brute force when installing or operating it.
- Operate the device only after having familiarized yourself with its functions. Do not permit operation by person not qualified for operating the device. Most damages are the result of unprofessional operation.
- Please use the original packaging if the device is to be transported.
- For safety reasons, please be aware that all modifications on the device are forbidden. Furthermore, any other operation may lead to short-circuit, burns, electric shock, lamp explosion, crash, etc. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void.
- When you use the fog machine on a wooden floor or ground with carpet, the machine should never be directly in contact with the ground. The machine should keep a distance with the ground of 50cm at least. It's not allowed to put flammable and explosive objects within 5 meters.
- Before operation, please make sure the local mains power matches the rated input voltage. Please refer to the rating label on the rear side of the unit.
- Before filling the fog liquid, please unplug the unit from the mains.
- To prevent short circuits, please don't let fog liquid flow into the inner part of the machine before filling, you can also take out the liquid bottle and fill in the fog liquid outside the unit.
- The fog machine must be installed on the ground. It's not allowed to slope the unit or place it upside down After use, switch the fog machine off and unplug it from the mains.
- The fog machine isn't waterproof. If moisture or fog liquid enters inside the machine, you must unplug it immediately from the mains and contact your dealer.
- It's forbidden to spray directly towards persons. Keep far away from flammability and explosive objects.
- The fog spray is very hot, please keep a distance of at least 5 meters when using it.
- Please don't touch the surface of the fog machine during the use because the housing will reach 40-80°C.
- When the machine doesn't work, please check if the fuse is burnt out or not. If it is, replace it by an identical fuse, find out the fault and restart the machine. But please note: the repair must be

handled by professional.

PROTECTION AGAINST SOLIDS AND WATER

Only for IP-rated fixtures

The protection level of a housing is set by applied standards. For classification there is used the IP-Code. It contains the declaration „IP"and two following numbers. The first number characterizes the protection against harmful effects of solids, the second is rating the water protection. It is important to distinguish whether encapsulation and harmful effect! There can be housing that is not capsuled completely but still avoids harmful effect of solids or water.

PROTECTION EXAMPLES:

IP20: Protection against intruding objects >12,5mm „Finger protected "; No waterproofing. **TYPICAL PROTECTION FOR INDOOR USE FIXTURES**

IP33: Protection against intruding objects >2,5mm; Falling water within an angle of 60° has no harmful effect **TYPICAL PROTECTION OF LED-LIGHTS USING RECESSED POWERCON AND DMX SOCKET**. This protection is linked to the mounting position of the fixture and always refers to typical mounting situation like a Floor spot used standing on the ground.

IP54: complete protection against solids and low-pressure water from any side **THIS TYPE OF FIXTURES CAN BE USED UNDER NORMAL OUTDOOR CONDITIONS**.

IP65: shielded against dust and pressurized water from any side. **TYPICAL PROTECTION FOR OUTDOOR RATED EVENTFIXTURES USING WATERPROOFED POWER AND SIGNAL LINK.**

IP67: shielded against dust and protected for accidental briefly submerge. **PROTECTION AGAINST ACCIDENTAL SUBMERGING ON TEMPORARY FLOODED AREA.**

TEMPORARY USE

Event equipment is designed for temporary use. This are typical purpose as concerts, festivals, theatre, clubs and disco use and referable venues. Long-term use, specially under outdoor conditions and fixed outdoor installation can bring damage in aging materials and affect the coated surface. Sealings as well as cables are made from rubber material and will age by long-term UV-emission as sunlight and should be checked frequently.

LIMITATIONS OF IP PROTECTION

IP-Rating doesn´t mean unlimited outdoor use and protection against any kind of environmental influence! Especially sunlight and included UV will bring accelerated aging. Some fixtures need special parts or processes to fit the rated IP-Protection, like mounting covers or caps or similar. Sealings and other plastic or rubber materials are aging parts. They must be checked frequently to ensure the protection and safety of the fixtures. Also specified torque of screws can affect protection!

Installation

The **FOS JET 900**, can be installed on the floor for upright smoke jets, or to be hanged upside down from truss.

NOTE! If the signal cable is over 60 m between the DMX512 controller and fixture or between two fixtures, then a DMX signal amplifier is needed as well.

Menu Screen

You can easily navigate through menu's options with the four buttons under the screen. Navigating in the menu is simple! With the Up / Down buttons, you are moving through menu's choices, pressing Enter, you are entering the sub menu of the option you have chosen, with the Up / Down buttons you're moving through the sub menu's options, with Enter, you are confirming your choice. The **FOS Jet 900** offers the following options:

HEAT: The device is warming up

Addr: Set the DMX address.

reno: Set the channel mode for use with the supplied remote control.

Colo: Select the color combination for activation with the remote control.

Channel Modes

1. **Fog Output**
   - 0 – 5 Off
   - 6 – 255 On
2. **RGB Colors**
   - 0 – 5 Off
   - 6 – 85 Red
   - 86 – 170 Green
   - 171 – 255 Blue
3. **RGB Combinations**
   - 0 – 5 Off
   - 6 – 85 Magenta
   - 86 – 170 Yellow
   - 171 – 255 Cyan
4. **Random Colors**
   - 0 – 5 Off
   - 6 – 255 Random Colors

Wireless Control

Wireless remote has 4 buttons: A, B, C, D. We can have 3 different wireless control modes:

Please use digital display to enter rEno, then display shows: CH1/CH2/CH3/CH4/CH5/OFF by adjusting UP/DOWN buttons.

1st wireless control mode: CH1/CH2/CH3/CH4

2nd wireless control mode: CH5

3rd wireless control mode: OFF

1ST wireless control mode:

1st STEP:

Enter rEno, you can set 1pcs or 2, 3...pcs fog machines for CH 1, this called group 1. After setting, that means Button A on wireless remote is matched with group 1. Group 1 is only controlled by Button A, other Buttons cannot control group 1.

Other groups can be set by Button B(match with CH 2), Button C(match with CH 3) Button D(match with CH 4). This means we can use only 1 wireless remote to control different groups of fog machines on the stage. One group can be 1pcs, 2pcs, or 3, 4pcs…

2nd STEP:

After setting groups for fog machines, you should choose LED Color for each machine, enter CoLo, it will show Co0, Co1, Co2, Co3, Co10 by adjusting UP/DOWN:

Co0: No Color; Co1: red Color; Co2: green Color; Co3: blue Color; Co4: amber Color; Co5: red & amber Color; Co6: green & amber Color; Co7: blue-amber Color; Co8: green & blue Color; Co9: red & blue Color; Co10: random Colors changes (from Co1 to Co9).

2nd wireless control mode:

Enter rEno, adjust display to CH5 by UP/DOWN.

With this setting for 1 or 2, 3, 4. pcs fog machines, Button A/B/C/D will control different Colors + fog output for all set fog machines:

Button A: red Color + fog output; Button B: green Color + fog output; Button C: blue Color + fog output; Button D: amber Color + fog output.

3rd wireless control mode:

Enter rEno, adjust display to OFF by UP/DOWN. This means turn off wireless remote function for this machine(only).

Note: The DMX controller have priority on the remote control. So, if you want to control the device with the remote control, disconnect the DMX cable from the device.

Battery replacement

If the range of the remote-control decrease, the battery is probably exhausted and must be replaced. For this purpose, take off the housing cover and remove the used battery. Insert a fresh 12V battery, type 23A as indicated in the battery compartment and refit the housing cover.

General Information

Replacing a fuse:

Always disconnect the fixture from main power before replacing a fuse. Use only the appropriate fuse, with the same type and rating. A fuse with different rating, can damage the fixture in case of failure.

Risk of electric shock and / or fire:

The fixture must be earthed, supplied always with its nominal voltage and cleaned periodically from dust. For cleaning use only, a moist cloth. Never use liquids or force water. After cleaning, let the fixture dry before use.