

SF-1500



Owner's Manual

FOG MACHINE


STAIRVILLE

Thank you for choosing one of our fog machines. Please read this user manual carefully and follow the instructions to avoid danger or damage to the unit due to mishandling. Keep this user guide for future reference. If you give the unit to another user, be sure that he also receives this instruction booklet.

Safety instruction



You have to carefully read the instruction, which includes important information about the installation, usage and maintenance, **BEFORE** operating this device.

- ▶ This device is exclusively meant to be used as a show effect device within the limits given in this manual. Using it in any other way you risk electric shock and warranty will become void.
- ▶ Never sever or manipulate the power cord or the plug. If a power cord is provided with an earth lead, this is mandatory to ensure safe operation! Otherwise a **LIFE THREATENING** situation exists!
- ▶ Unpack and check carefully there is no transportation damage before using the unit. Never put a damaged device into operation.
- ▶ Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit as stated in this manual.
- ▶ The unit is for indoor use only. Use it only in a dry location. Exposing the device to rain or moisture would cause the risk of electrical shock or fire.
- ▶ **DO NOT** let any liquids or objects enter the unit. Should any liquid be spilled on the unit, **DISCONNECT** the power supply to the unit immediately and contact the service company.
- ▶ The unit must only be installed in a location with adequate ventilation. Be sure that no ventilation slots are blocked. In order to guarantee adequate ventilation, allow a free air space of at least 20 cm around the sides and top of the unit.
- ▶ Disconnect the device from the mains power before any servicing or maintenance like refilling fog fluid.
- ▶ Notice regarding power disconnection:
To disconnect the device from the power source the power plug must be removed from the power socket. For this reason the device must be placed in a position where a constant unobstructed access to the power socket is assured, thus in an emergency situation you are able to immediately pull out the power plug. To eliminate the risk of fire you must completely disconnect the power plug from the power socket after the device has been used.

- ▶ Always grasp the power cord by the plug. Do not pull on the cord itself and never touch the power cord with wet hands as this could result in a short circuit or an electrical shock. Do not place the device, speaker cabinets or anything else on the power cord and make sure that it does not become clamped. Place the power cord in a position where it can not be trod on. A damaged power cord can cause a fire or an electrical shock. Check the power cord from time to time. Should it become damaged contact our customer service centre to have it replaced.
- ▶ You have to ensure, that the power cord never becomes wet during operation.
- ▶ Before a storm and/or a thunderstorm with a risk of lightning, disconnect the device from the mains power supply.
- ▶ Under no circumstances may you open the device housing. Should you do so your safety would not be assured and the warranty will become void. There are no operational components whatsoever inside, only ***dangerous voltages that can give you a deadly shock!***
- ▶ NEVER use the unit under the following conditions:
 - > In places subject to vibrations or bumps.
 - > In places with a temperature of over 45 °C or less than 2 °C.
 - > In places subject to excessive dryness or humidity (ideal conditions are between 35% and 80%).
- ▶ Whatever installation method you choose, do not allow the unit to have more than a 15 degree angle of inclination.
- ▶ Never submerge the device in water or any other liquid. Only wipe it with a slightly damp cloth.
- ▶ Fog machine output is very hot, as well as the nozzle during operation. Avoid coming within 60 cm of the output nozzle during operation - ***Risk of burns!*** Never touch the unit when it's hot!
- ▶ Never operate the device near flames, flammable, explosive materials, or hot surfaces. Otherwise you run the risk of causing a fire. Never aim the output nozzle at open flames, people or animals.
- ▶ Never leave this device running unattended.
- ▶ Never drink fog machine liquid. If it is ingested, call a doctor immediately. If fog machine liquid comes in contact with skin or eyes, rinse thoroughly with water.
- ▶ Never add flammable liquids of any kind (oil, gas, perfume) to the fog liquid. Pay attention to all warning labels and instructions printed on the exterior of your fog machine.
- ▶ Always monitor tank fluid level during operation. The fog machine can suffer damage when run without fluid. If the machine does not function

after having been run without fluid, please contact your fog machine dealer for service.

- ▶ This appliance must not be used by individuals (including children) with restricted physical, physiological or intellectual abilities or deficiencies in experience and/or knowledge unless they are supervised by a person responsible for their safety or receive from this person instruction in how the appliance is to be used.
- ▶ Keep children away from the device and power cord! Children frequently underestimate the dangers of electrical devices. Also keep the plastic packaging well away from small children. There is a risk of suffocation!
- ▶ In the event of serious operating problems, stop using the unit immediately. Never try to dismantle, repair or modify the unit by yourself. Otherwise warranty becomes void. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance centre.

Features

- ✓ Fog machine for operation on large stages, fire practice, etc.
- ✓ Incl. multifunction cable remote control with LCD
- ✓ Tank capacity: 6 l
- ✓ Warm-up time: approx. 15 min.
- ✓ Spraying distance: 8 - 10 m

Setup & operation

- ▶ Remove all packing materials from shipping box, check that all foam and plastic padding is removed, especially in the nozzle area.
- ▶ Before connecting this device to the mains power, you need to fill in fog liquid.
- ▶ Place the fog machine on a flat surface and remove the liquid tank cap.
- ▶ Pour high quality fog water-based liquid into the liquid tank, being careful not to exceed the maximum fluid level. **DO NOT OVERFILL.** Use only our fog machine liquid or other dealer-recommended high-quality fog fluid. Any other types of fluid can damage the unit. When the container is full, place the cap back on the liquid tank and tighten.
- ▶ Firmly attach the remote control cable to the 3-pin XLR socket for DMX signal input on the rear of the machine.

- ▶ Plug the power cord into a properly wired and grounded electrical outlet. Turn the power switch on rear panel of unit into position “ON”. Now the machine starts to warm-up. Warm-up is complete when the LCD on the remote unit shows “READY”.
- ▶ The fog machine is controlled via the remote control. Please refer to the section titled “Remote control operation” for detailed instruction on the various functions available. To emit fog, press the MANUAL button on the remote for the desired length of time.
- ▶ After extended fog output the unit will need some time to re-heat. During that period the device can not output fog.
- ▶ The remote unit’s LCD shows the readiness for use.
- ▶ Because of the high operating temperature of fog machines it is advisable to use this device in well vented areas only. Never block any ventilation holes. After operation let the device cool down before you touch or move it. This will increase safety and the unit’s life span.

Remote control operation

The unit comes with a 10 meter wired multifunction remote controller with 5-pin XLR connector. Its intuitive LCD-enhanced interface provides manual and automatic control, as well as DMX address designation.

Set up DMX channels

Press the “FUNCTION” key until the LCD shows “DMX512 ADD***”. Then set up the desired DMX channel by pressing “↑” key to increase the DMX channel (512 = max.). Press “↓” key to decrease DMX channel (0 = min.). For example, when setting up DMX channel as 111, the LCD will show “DMX512 ADD111”.

Connect DMX signal source to the fog machine

Use a DMX 512 controller to control this unit, and connect the DMX signal source to “DMX IN” connector on the rear panel of the fog machine. The fog machine will enter DMX receiving status, the LCD shows “DMX512 ADD***”. At that time, the device receives DMX signal according to the previously set up DMX channels. And you also can re-set the DMX channel as follows:

Functions of DMX channels

Each unit occupies 4 DMX channels as follows:

- ▶ Channel 1: for output on/off,
- ▶ Channel 2: for output 0% to 100%,
- ▶ Channel 3: for interval time (1s to 200s),
- ▶ Channel 4: for spraying time per output (1s to 200s).

The exact DMX functions are listed below:

- A When the first channel data is less than 5%, output is OFF and other channels have no functions.
- B When the first channel data ranges from 5% to 50%, output is ON, push channel 2 to adjust the output intensity from 0% to 100%. Channels 3 & 4 have no functions.
- C When the first channel data ranges from 51% to 95%, push channel 2 to adjust the output intensity. And push channel 3 to control the interval time between 2 sprayings (max: 200s, min: 1s), push channel 4 to control the spraying time (max: 200s, min: 1s). The maximum spraying time of 200s is available only when the output intensity is around 30%.
- D When the first channel data ranges from 95% to 100%, the output is 100%.

Cleaning

After every 40 hours of continuous operation, we recommended to run our Stairville fog machine cleaning fluid through the system to prevent the accumulation of particulate matter in the heating element. Please follow these guidelines:

1. While the unit is unplugged and cooled down, unscrew the nozzle at the very front of the unit and clean out debris with vinegar and a pipe cleaner, making sure that the hole is free of clogs.
2. Empty all fog fluid from the machine. Add Stairville fog machine cleaning fluid to the tank. Plug the unit in and let it warm up.
3. Run the unit in a well-ventilated area, until the tank is empty.
4. Replace the nozzle.
5. Cleaning is now completed, refill with fog liquid.

All fog machines are prone to clogging due to the thick consistency of fog fluid and the high temperature at which it vaporizes. However, a properly maintained fog machine should provide years of reliable use.

Maintenance and service

- ▶ Do not allow the fog liquid to become contaminated. Always replace the caps on the fog liquid container and the fog machine liquid tank immediately after filling.
- ▶ All maintenance and service operation inside the unit must be carried out by a qualified technician only.
- ▶ Empty all fog fluid from the machine before transporting the device.

Troubleshooting

If you experience low output, pump noise or no output at all, unplug the unit immediately. Check the fluid level, the external fuse, remote connection, and power from the power socket by connecting another suitable device to that power socket. If all appears to be OK, plug the unit in again. If fog does not come out after holding the remote button down for 30 seconds, check the hose attached to the tank to make sure there is fluid going through the hose.

If our tips could not solve your problem, disconnect the device from power supply and please contact our service department. Find contact information on our website www.thomann.de.

Specification

Rating Voltage:	230 V~/50 Hz
Power:	1500 W
Fog output:	560 m ³ /min.
Fuse:	10 A/250 V
Tank capacity:	6 litre
Dimensions:	620 x 300 x 210 mm
Weight:	approx. 15 kg

As we continuously strive to improve our products, all specifications and appearance are subject to change without prior notice.

Disposal

Do not dispose of the device at the end of his operating life in your normal domestic waste. This device is subject to the European Guidelines 2002/96/EC.

- ▶ Have the product disposed of by a professional disposal company or by your communal disposal facility.
- ▶ Observe the currently applicable regulations. In case of doubt contact your disposal facility.
- ▶ Dispose of packaging materials in an environmentally responsible manner.

