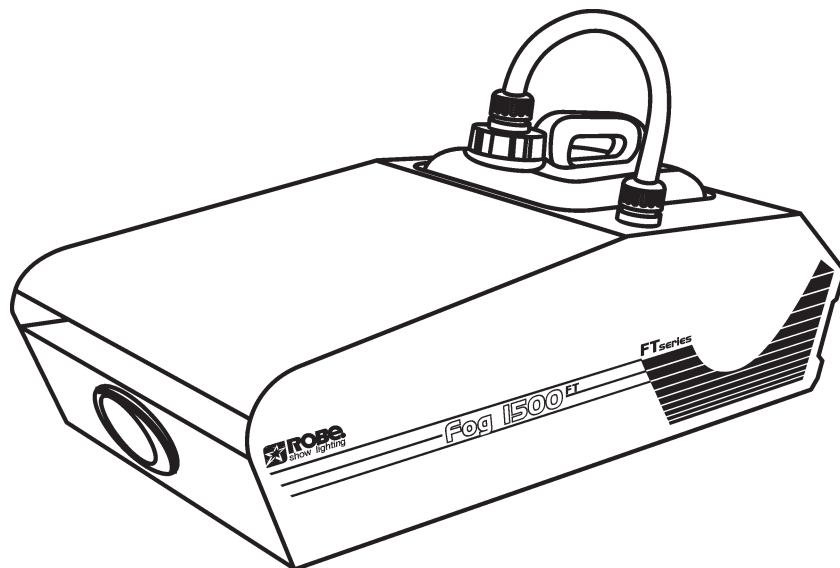


Fog 1500^{FT}



USER MANUAL

Version: 1.0

FTseries

Fog 1500^{FT}

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1. Introduction

Thank you for choosing an ROBE Fog 1500 FT. You now own a rugged and powerful state-of-the-art machine. Prior to use, we suggest that you carefully read all of the instructions. By following the suggestions found in this user manual, you can look forward to the reliable and satisfactory performance of your ROBE Fog 1500 FT machine for years to come.

Please follow these operation, safety and maintenance instructions to ensure a long and safe life for your fog machine.

2. Cautions

Risk of electric shock.

Disconnect the appliance from the electric supply before removing the cover.

Note: there are no user serviceable parts inside.

Danger of Electric Shock

Keep this device dry.

For inside use only. Not designed for outside use.

For the 120 V models, use 3-prong grounded electrical outlet only. Prior to use take care to determine that the unit is installed at the rated voltage.

Always unplug your ROBE Fog Machine before filling its tank.

Keep fog machine upright.

Unplug the machine when not in use.

This machine is not water - or splash-proof. If moisture, water, or fog liquid gets inside the housing, immediately unplug the unit and contact a service technician or your ROBE distributor before using it again.

No user serviceable parts inside. Refer to your ROBE distributor or other qualified service personnel.

Danger of Burns

For adult use only. Never leave the unit running unattended.

Never aim the output nozzle directly at people.

Fog machine output area is very hot. Avoid coming within 60 cm of the output nozzle during operation.

Locate the fog machine in a well-ventilated area. Never cover the unit's vents. In order to guarantee adequate ventilation, allow a free air space of at least 20 cm around the sides and top of the unit.

Never aim the output nozzle at open flames.

If the supply cord is damaged, it must be replaced by manufacturer or its service agent or similarly qualified personnel in order to avoid a hazard.

The output nozzle becomes very hot during operation (300°C). Keep flammable materials at least 50 cm away from the nozzle.

Always allow your Fog 1500 FT to cool down before attempting to clean or service it.

Danger of Explosion

Never add flammable liquids of any kind (oil, gas, perfume) to the fog liquid.

Use only original liquid recommended by ROBE distributor. Other fog liquids may cause clogging or "spitting".

Always make sure there is sufficient liquid in the fog liquid tank. Operating this unit without liquid will cause damage to the pump as well as over-heating of the heater.

If your ROBE Fog Machine fails to work properly, discontinue use immediately. Drain all fog liquid from the tank, pack the unit securely (preferably in the original packing material), and return it to your ROBE distributor for service.

Always drain tank before mailing or transporting this unit.

Never drink fog liquid. If it is ingested, call a doctor immediately. If fog liquid comes in contact with skin or eyes, rinse thoroughly with water.

Pay attention to all warning labels and instructions printed on the exterior of your Fog 1500 FT

3. Unpacking & Inspection

Open the shipping carton and verify that all equipment necessary to operate the system has arrived intact. Before beginning initial setup of your ROBE Fog Machine, make sure that there is no evident damage caused by transportation. In the event that the unit's housing or cable is damaged, do not plug it in and do not attempt to use it until after contacting your ROBE distributor for assistance.

4. Setup

Remove all packing materials from shipping box. Check that all foam and plastic padding is removed, especially in the nozzle area.

Place fog machine on a flat surface and remove fog liquid tank cap.

Fill with only an original liquid recommended by ROBE distributor. Other liquids may cause spitting and serious clogging problem and could result in the production of an unhealthy fog. The use of other liquids voids the warranty of the Fog 1500 FT. When filled, place cap back on liquid tank.

Firmly attach the control module cable to the connector inside the rear chamber of the machine.

WARNING:

Use of any liquid other than original liquid recommended by ROBE distributor or modification or attempted to unauthorized repair of the Fog 1500 FT will immediately invalidate the warranty.

5. Operation

The plug is positioned that the plug is accessible when used machine.

Plug power cord into a grounded electrical outlet. Turn power switch on rear of unit to "ON" position. Warm-up is complete when the display on control module shows "Ready to Fog."

To emit fog, press the appropriate button on the control module for the desired length of time.

The control unit's display will cycle "Warming up" and "Ready to Fog" as the machine re-heats to the proper operating temperature.

When the liquid is running low, the LED inside the tank chamber starts blinking for two minutes and then stop operation to protect the pump from running dry..

Always monitor liquid level to prevent interrupted operation.

For further information on operating your Fog 1500 FT, see the section titled, "Control Module Operation" on page 6.

Caution: "Visibility during operation is reduced"

If your model includes a mounting bracket designed for overhead installation, it may be installed at floor level or suspended overhead. If the unit is to be mounted using the bracket, it is important that the fog does not shoot directly at any one's face. Whatever installation method you choose, do not allow the unit to have more than a 15 degree angle of inclination.

Important!

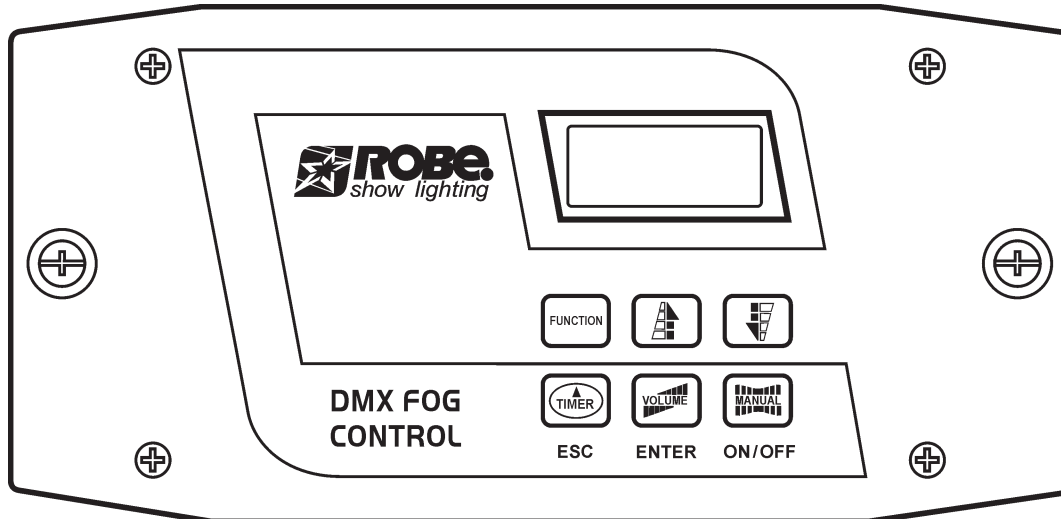
Always monitor tank liquid level as you are fogging.

Running a fog machine with no liquid can permanently damage the unit.

If you experience low output, pump noise or no output at all, unplug immediately. Check liquid level, the external fuse, control module connection, and power from the wall. If all of the above appears to be O.K., plug the unit in again. If fog does not come out after holding the control module button down for 30 seconds, check the hose attached to the tank to make sure there is liquid going through the hose. If you are unable to determine the cause of the problem, do not simply continue pushing the control module button, as this may damage the unit. Return the machine to your ROBE distributor immediately.

5.1. Control Module Operation

DMX Fog Control panel:



DMX Fog Control: 10 meter wired multi-function remote control module with 5-pin XLR connector for ROBE Fog 1500 FT. Its interface allows the operator to customize fog machine functions by adjusting fogging duration, interval and volume. Its LCD displays current operating parameters, which are automatically stored in non-volatile memory, allowing the machine to be powered down without losing function settings. Instructions below:

1. Via the Function key, you can adjust the desired settings. Pressing the Function key will cycle through different options including Volume, Timer, DMX, Heater. The Enter (Volume) Key is used to select the desired option. To adjust fog output volume setting, simply go into Volume option. Adjust the volume percentage (within the range of 1% to nonstop burst) by means of Up / Down keys. To adjust timer setting, go into Timer option. Cycle through Interval (within the range of 1 to 900 seconds), Duration (within the range of 1 to 200 seconds), and Volume (within the range of 1% to nonstop burst) by means of Up / Down keys. Use Enter (Volume) Key to select each option and make changes as desired. To turn off the heater, go into Heater option. Use Enter (Volume) Key to confirm the selection. Use On / Off (Manual) Key to turn it on.
2. Always press Enter (Volume) key to confirm setting.
3. Press ESC (Timer) key to exit current menu level and move to an upper (previous) level.
4. Press the Timer key to activate the timer function. The display shows the adjusted interval and the device counts the seconds down to "0". After that, the fog emission is triggered at the volume adjusted under "Timer" Option. The duration depends on the settings adjusted under "Duration". If you wish to deactivate the timer function, press the Timer key once more.
5. Press the Volume key for immediate triggering of the fog emission at the volume adjusted under "Volume" Option. Press the Volume switch once more in order to stop the fog emission.
6. Press the Manual key for immediate triggering of the fog emission at 100 % volume. Let the Manual key loose in order to stop the fog emission.
7. When in standby mode, press On/Off key to reactive the machine.

DMX protocol:

Channel	Value	Function
1	0-5 6-249 250-255	Fog volume control Fog output is off Volume Control (5%-95%) Maximum Volume Output (100%)

Fog machine Fog 1500 FT uses 1 channel to control volume output operation.

If Channel has a value from 0 to 5, the fog output is OFF.

Between the values 6 to 249 the volume of fog output is regulated. With 6 being the minimum volume of fog produced and 249 approaching the maximum. The volume output rises as the DMX value is increased.

If Channel has a value from 250 to 255, the machine will operate at maximum output.

Note: In the example above, if the machine were assigned the DMX address of 124, Channel will correspond to DMX address 124.

In general, Fog 1500 FT conform to the following performance specifications:

1. Average Operating temperature = 250°C
2. Fog 1500 FT can maintain maximum output for 60 seconds or more.

5. Technical specifications

Power supply:	Power consumption: 1430 VA Voltage: AC 230 V, 50 Hz Fuse: T7 A@230V
DMX:	3 pin and 5 pin XLR sockets
Tank capacity:	6 Liter
Output:	20.000 Cu.ft/Min.
Output pressure:	49 kPa
Heat Up time:	11 min.
Liquid cons. rate:	13 Min/Liter (100% output)
Dimensions:	645 x 240 x 190 mm
Weight:	15,5 kg

6. Performance Notes

Set the volume to „Nonstop Burst“ to have continuous output. When in such setting, the thermostat keep detecting heater temperature and adjust output automatically.

Fog 1500 FT has a recycling period after long bursts when the machine will shut itself down for a short period in order to heat up again. During this time, no fog can be produced.

Fog 1500 FT may sputter small amounts of fog occasionally during operation and for a minute or so after being turned off.

7. Configuration the pump power for local AC power.

The device pump is factory configured for 230V/50Hz. If your AC power is different, the pump power can be configured for the local voltage using the follow procedure:

1. Press the Function Key and turn on the machine at the same time.
2. Continue to press the Function Key for about 5 sec.
3. „ROBE“ logo will appear on the display and after that message „Voltage change“
4. press the Enter Key
5. The current voltage will appear on the display. Use Up and Down Keys to choose the one you need:
 - 110V 50-60Hz
 - 120V 50-60Hz
 - 220V 50-60Hz
 - 230V 50-60Hz
 - 240V 50Hz
6. Presss Enter Key after chosen the voltage
7. The main screen will appear on the display

8. Maintenance and cleaning

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.

After every 40 hours of continuous operation, it is recommended to run a cleaning solution composed of 80% distilled water and 20% white vinegar through the system to prevent the accumulation of particulate matter in the heating element. The recommended cleaning regimen is as follows:

1. Empty all fog liquid from machine. Add cleaning solution to tank. Plug unit in and begin warm up.
2. Run unit in a well-ventilated area until tank is empty.
3. Cleaning is now complete. Refill with fog liquid.

DANGER !

Disconnect from the mains before starting any maintenance work!

More complicated maintenance and service operations are only to be carried out by authorized dealers.

Note: All fog machines are prone to clogging due to the thick consistency of fog liquid and the high temperature at which it vaporizes. However, a properly maintained fog machine should provide years of reliable use. Clean with a dry cloth only. Store dry.

Cleaning your fog machine regularly will help reduce costly parts replacement and repair charges.

Replacing the fuse

Before replacing the fuse, unplug mains lead. Replace the fuse by a fuse of the same type and rating.

Note:

The warranty does not extend to any parts of the Fog 1500 FT that have been subject to misuse or accident. Neither does the warranty cover any Fog 1500 FT that has been opened, modified or repaired other than by ROBE or its designated distributor.

The warranty will not apply if procedures described in the Instruction Manual are not followed. It is the user's obligation to clean and maintain the Fog 1500 FT according to these instructions, and to follow acceptable practices for handling electrical devices with heating elements.

