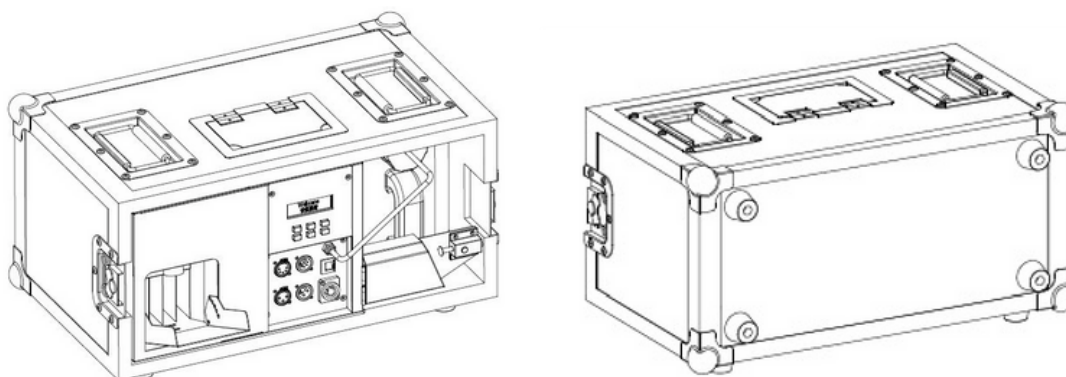


TXF-2000 Hazer User manual

Product features

The TXF-2000 is a tour fazer with a robust construction and a powerful heating capacity of 1500 watts.

- ☐ It is installed in a sturdy flight case, easy to transport and has an innovative quick connector on the fluid tank: ideal for touring, stages and clubs.
- ☐ Produces fine, translucent haze without nebulizing the room at the same time
- ☐ Ideal for accentuating light and laser beams
- ☐ Fog output and fan speed variably adjustable via rotary controls
- ☐ Instant stop feature allows for precise output control without any sputtering
- ☐ Integration in a stackable flightcase makes the machine tough, durable and easy to carry
- ☐ Can be used as vertical , horizontal or hanning up.
- ☐ Combines the reliability of a fog machine with the extremely silent operation of a haze machine
- ☐ Operates on standard water-based fluid
- ☐ Removable tank
- ☐ Output: 10,000cfm/min
- ☐ Control via integrated DMX interface or build in control module with LCD screen
- ☐ Adjustable timer with interval, duration and output volume, continuous output, manual activation
- ☐ Optional W-DMX receiver for wireless DMX control
- ☐ Short warm-up time
- ☐ For application areas such as: Theater; Stage
- ☐ Approvals: CE, ROHS



TECHNICAL SPECIFICATION

Model	TXF-2000
power supply	AC220V-240V / 50HZ
Power	1500 W
Fuse	F8A
Re-heat time	1.5Min

Tank Capacity fluid	5L
DMX connection	5-pin and 3-pin XLR
DMX channels	2
Fluid sensor(auto shut off w/o fluid) yes	
Output period	18S
Dimension	410*235*310mm
Weight	13.5KGS

OPERATION

Operating conditions

Prior to transportation, allow the machine to cool down and completely empty the tanks. Never operate the fog machine without fog fluid. Fire hazard due to overheating! Besides, the unit may be damaged.

During operation fog emission may stop. In this case the device is heating up again. After a short period, the machine will be ready to emit fog again. This process guarantees an appropriate vaporization temperature and the best fog emission possible. The temperature is regulated by a highquality thermostat.

The built-in control panel on the rear of the machine features four operating buttons and a display which shows all operation statuses of the machine. The control panel allows the user to customize the DMX starting address, the fluid sensor timer control The machine can be operated manually with the button at the control panel or the remote control. Alternatively, it can be controlled with a DMX controller. DMX control has priority over the manual operation.

Switching on and off

1. Switch on the machine with the power switch (lights up). The display shortly indicates "TXF-2000 ". Then the machine starts with the warm-up process and the display indicates "WARMING UP ".

2 While the unit is warming up, fog output will not be possible yet. Program the necessary menu settings with the control panel. Once the warm-up process is completed, fog/haze outputwill be possible. The display indicates "Haze Machine S/ Fog Machine S " for you to choose.

3 After operation, switch off the machine with the power switch.

! The output nozzle will heat up during operation. Therefore do not touch the nozzle until it has cooled down completely!

! Prior to transportation, allow the machine to cool down and completely empty the fluid tank.

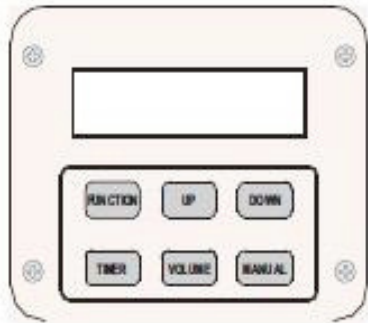
! Never operate the fog machine without fog fluid. Fire hazard due to overheating! Besides, the unit may be damaged.

! During operation fog emission may stop. In this case the device is heating up again.

After a short period, the machine will be ready to emit fog again. This process guarantees an appropriate vaporization temperature and the best fog emission possible. The temperature is regulated by a high-quality thermostat.

Display and operating buttons

The device is equipped with 6 operating buttons and an LCD screen displaying all operation statuses of the machine. All current operating parameters are automatically stored in non-volatile memory, allowing the machine to be powered down without losing function settings.



Button	Function
FUNCTION	Selects functions
UP/DOWN	Selects options/setting values
TIMER	Timer mode
VOLUME	Continuous mode
MANUAL	Manual mode

Menu Settings

Indication	value	Function
Interval Set	1-200s	Setting time intervals for timer operation
Duration Set	1-200s	Setting the output duration for timer operation
Timer Out	1-100%	Setting the haze output volume for timer operation
Volume Out	1-100%	Setting the haze output volume for continuous operation
	OFF-1-100%	
Fan Speed		Setting fan speed
	1-512	
DMX512 Add.		Setting the DMX512 address
	ON/OFF	
Fluid sensor (Optional)		Setting fluid sensor on/off
	ON/OFF	
Wireless remote (Optional)		Setting wireless remote on/off
Language	English/Chinese	Setting the language

Timer Mode

In the timer mode, the haze machine will automatically emit haze. The time intervals, duration and haze volume depend on the corresponding menu settings. Press the **TIMER** button, to activate the timer mode. The display indicates the set time interval. The unit counts down to 0 seconds and emits haze. To deactivate the timer mode, press the **TIMER** button again.

Continuous Mode

Press the **VOLUME** button, to activate continuous haze output. The display indicates Volume followed by the value that was set in menu item “**Volume Out**” if maximum haze volume was selected. To stop the fog output, press the **VOLUME** button once again.

Manual Mode

For immediate fog output at the maximum volume of fog, keep the **MANUAL** button pressed. The display indicates “ **Manual 100 %** “. As soon as you release the button, the fog output will stop. The manual operation will take priority over the continuous operation and the timer operation. Even if one of these operating modes is activated, the fog machine will always emit the maximum volume of fog when the **MANUAL** button is pressed.

DMX512 Control

The unit features 3-pin or 5-pin XLR plugs for DMX connection.

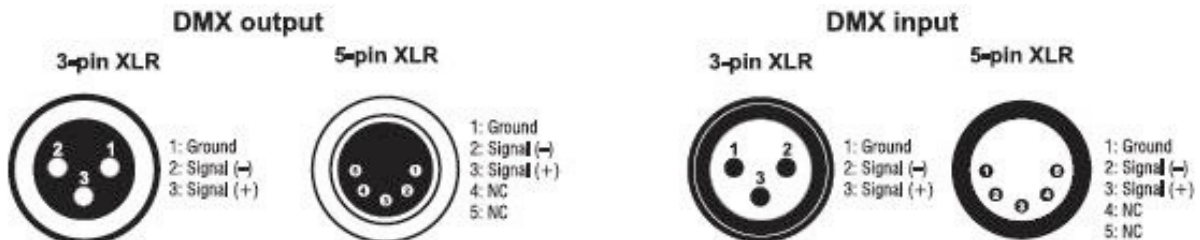
1 Connect the output of your DMX controller to the DMX input **DMX IN** of the machine with a DMX cable.

2 Connect the DMX output **DMX OUT** of the machine to the DMX input of the next unit in the chain. Always connect one output to the input of the next unit until all units are connected.

3 At the last unit, the DMX cable has to be terminated. Plug the terminator with a 120 Ω resistor between Signal(-) and Signal (+) in the DMX output of the last unit.

4 If the cable length exceeds 300 m or the number of DMX devices is greater than 32, it is recommended to insert a DMX level amplifier to ensure proper data transmission.

Occupation of the XLR connection:



DMX512 Operation

To be able to operate the machine with a DMX controller, the DMX starting address must be set. For this, press the button **FUNCTION** so many times until “**DMX512Add.**” is indicated in the display. Use the buttons **UP** and **DOWN** to set the address between 001 and 512. You may now start operating the machine via your DMX controller.

For operation with a controller with DMX512 protocol, the machine is equipped with 2 control channels. The DMX channel ranges between the values 0 to 255 and controls the fog/haze output volume.

DMX Channel	DMX value	Function
CH1	0-5	No Output
	6-255	1-100% output
CH2	0-255	Fan Speed 0-100%

Fluid Sensor

To protect the pump and the heater when the machine on continuous output the machine uses a fluid sensor to test if there is smoke fluid in the tube. You can check the fluid level visually by means of the fluid level indication on the side panel. Always refill with fluid, when the fluid level becomes low to continue using the machine. The fluid sensor control can be turned off in the menu. However, it is a very important protection mechanism and should remain activated for proper operation.

Notes Regarding Operation

- 1 All fog machines develop condensation around the output nozzle. Because this may result in some moisture accumulation on the surface below the output nozzle, consider this condensation when installing your unit.
- 2 All fog machines may sputter small amounts of fog occasionally during operation and for a minute or so after being turned off.
- 3 All fog machines have 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.
- 4 If you experience low output, pump noise or no output at all, disconnect from mains immediately. Check the fluid level, the external fuse and the power supply. If all of the above appears to be ok, reconnect the unit again. If fog does not come out after holding the MANUAL button for 30 seconds, check the tube attached to the tank to make sure there is fluid going through it. If you are unable to determine the cause of the problem, do not simply continue pushing the operating button, as this may damage the unit. Return the machine to your dealer.

CLEANING AND MAINTENANCE

Electric shock caused by high voltages

Within the device there are areas where high voltages may be present. Completely disconnect the device from the power supply before cleaning it or removing any covers.

We recommend a frequent cleaning of the unit, in particular the output nozzle. Please use a soft lint-free and moistened cloth for the outside of the unit. Never use alcohol or solvents! 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.

Empty the tanks completely after operation and before transport. Remove residual moisture inside the water tank with a lint-free cloth.

There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers. Should you need any spare parts, please use genuine parts. If defective, please dispose of the unusable device in accordance with the current legal regulations. Should you have further questions, please contact your dealer.

Thermal safety switch

The machine is fitted with a thermal safety switch. In the unlikely event of overheating, the switch will automatically interrupt the control circuit. It can be reset by pressing the safety switch button with the machine unplugged.

Cleaning the heating element

The heating element should regularly be cleaned every 40 operational hours in order to avoid clogging. Use fog machine cleaner available at your dealer. 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.

Procedure:

- Fill cleaner into empty fluid tank. Run the machine several times in a well-ventilated room only. The number of repetitions depends on the pollution level of the vaporizing elements.
- After use, empty all remaining cleaner and rinse the tank thoroughly.
- The fog fluids we recommend are non-hazardous to the environment and can be disposed of via the sewage system.

Storage

It is recommended to operate the machine at least once a month with a warm-up period and a few minutes of fog emission. Prior to storage, run cleaning fluid through the system as described in the cleaning regimen above. This will help avoid any particles condensing inside the pump or heater.

Replacing the fuse

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

- 1 Disconnect the device from power and allow it to cool.
- 2 Open the fuse holder of the mains connection with a fitting screwdriver.
- 3 Remove the old fuse from the fuse holder and replace it with a new fuse.
- 4 Carefully push the fuse holder back into its position before reapplying power.

PROTECTING THE ENVIRONMENT

Disposal of old equipment

When to be definitively put out of operation, take the product to a local recycling plant for a disposal which is not harmful to the environment. Devices marked with this symbol must not be disposed of as household waste. Contact your retailer or local authorities for more information. Remove any inserted batteries and dispose of them separately from the product.

You as the end user are required by law (Battery Ordinance) to return all used batteries/rechargeable batteries. Disposing of them in the household waste is prohibited. You

may return your used batteries free of charge to collection points in your municipality and anywhere where batteries/rechargeable batteries are sold. By disposing of used devices and batteries correctly, you contribute to the protection of the environment.





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