



FRONTIER

CONTINUOUS OUTPUT

# FOG/SMOKE MACHINE

## USER MANUAL



## 3000W CONTINUOUS OUTPUT FOG MACHINE

Please read over this manual before operating the machine.

Note: designed for water base fog fluid.

This machine is equipped with a power cord, a handle, a pair of adjustment knobs, a remote-control transmitter and a manual.

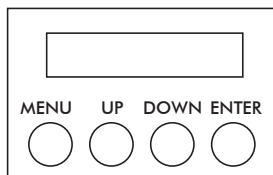
### MENU PANEL

To go back, press and hold the menu key for 1 second to return to the previous interface.

UP = "+" key.

DOWN = "-" key.

ENTER = confirm key.



### MAIN INTERFACE DISPLAY

When the machine is not in operation for 60 seconds, the screen will automatically return to the main menu.

The upper left corner of the screen displays the heating progress percentage. When the "98%" is displayed, it means that the heating has been completed, and when the "--%" is displayed, it means heating error or in progress.

The upper right corner of the screen shows the temperature near the main control circuit board inside the chassis.

The second line of the screen shows the heating state.

- When it is displayed as "K Error", it means thermocouple error.
- When it is displayed as "Heater error", it means there is an error of the heater.
- When it is displayed as "Ready", it means heating is completed
- When it is displayed as "Enter Pump", it means that the machine is under smoke fluid-free protection.

If the display board displays "Fluid Free", first press ENTER until it displays "ENTER PUMP", and then long press the MENU key until it displays menu main page and press the ENTER key to display PUMP, then smoke fluid-free protection status is eliminated, and the smoke fluid pump begins to work.

### OPERATION

MENU: Switch and enter the menu main interface.

UP: Shortcut key for continuous output. Currently, the screen interface is in the corresponding menu page interface (when the machine is working, press ENTER to stop work before performing other operations).

DOWN: Shortcut key for timer output. Currently, the screen interface is in the corresponding menu page interface (when the machine is working, press ENTER to stop work before performing other operations).

ENTER: Press ENTER key to pump smoke fluid when there is no smoke fluid in the machine (smoke fluid can be pumped only when the display interface is the main menu interface). Long press ENTER key to toggle between the heating progress percentage and heater temperature display.

## PRECAUTIONS

- Suitable for indoor or outdoor use.
- Please make sure that the power supply is the correct rated voltage before use (110V for Canada)
- No flammable liquids should ever be used. Water based smoke fluid only.
- When spraying fog, the temperature of the fog nozzle is as high as 40~100°C, and a safe distance of more than 100cm shall be kept from the nozzle during use.
- The fog machine shall be used in a well-ventilated place, and the heat dissipation hole of the smoke machine shall not be covered to ensure proper ventilation and heat dissipation.
- Keep a space of at least 20cm above and below the fog machine, and no flammable substances can be stored within 30cm of the surrounding area. (Keep away from carpets, boards and flammable objects).
- Ensure to pour out all liquid before storing.
- If the machine is corroded by moisture, water or fumigants, shut off the power supply immediately and contact your dealer.

This smoke machine can use a DMX512 international signal standard line controller, and the connection is completed by connecting through "input" and "output" 3-pin XLP. When the control signal line is output and connected with the machine, make sure that the 1 (ground), 2(-) and 3(+) signal lines corresponding to the 3-pin XLP seat on the machine. The remote controller should be within 100m to prevent other electrical appliances from being disturbed due to the long signal line.

## MAINTENANCE

**Important!** If fog stops and is plugged up do not continue to heat as it will burn the element out, and this is not covered by warranty! If you are storing the unit for a prolonged period empty container and clean out the system by adding a small amount of 50/50 distilled water/vinegar solution. Let it heat up in well ventilated area and fog. Empty again and store away until needed for next training session.

## OPERATING INSTRUCTIONS

Notes: Use this fogging machine for training only.

1. This machine is not required to be used horizontally, but the built-in liquid container must be placed flat, and should not be tilted.
2. Pour the high-quality fog fluid into the container and tighten the container cover. Do not use inferior fog fluid, otherwise it will decrease the service life of the machine.
3. Insert the power cord into the fog machine panel, turn it to the right, and the display panel will turn on. At this time, it indicates that the machine is in the heating state and can be used normally.
4. When the machine starts to heat up, the liquid suction pipe of the machine must ensure that there is enough fog fluid to absorb and use.

**Note:** When adding fog fluid, please take the container out of the machine before adding fluid to avoid the damage to the machine accessories caused by liquid pouring into the machine.

**FOR MORE INFORMATION CONTACT YOUR  
DISTRIBUTOR**

WFR Wholesale Fire & Rescue Ltd.

7155 57 St SE #129

Calgary, AB

T2C 5W2

CANADA

1.800.561.0400 | [www.wfrfire.com](http://www.wfrfire.com)