

Instruction manual

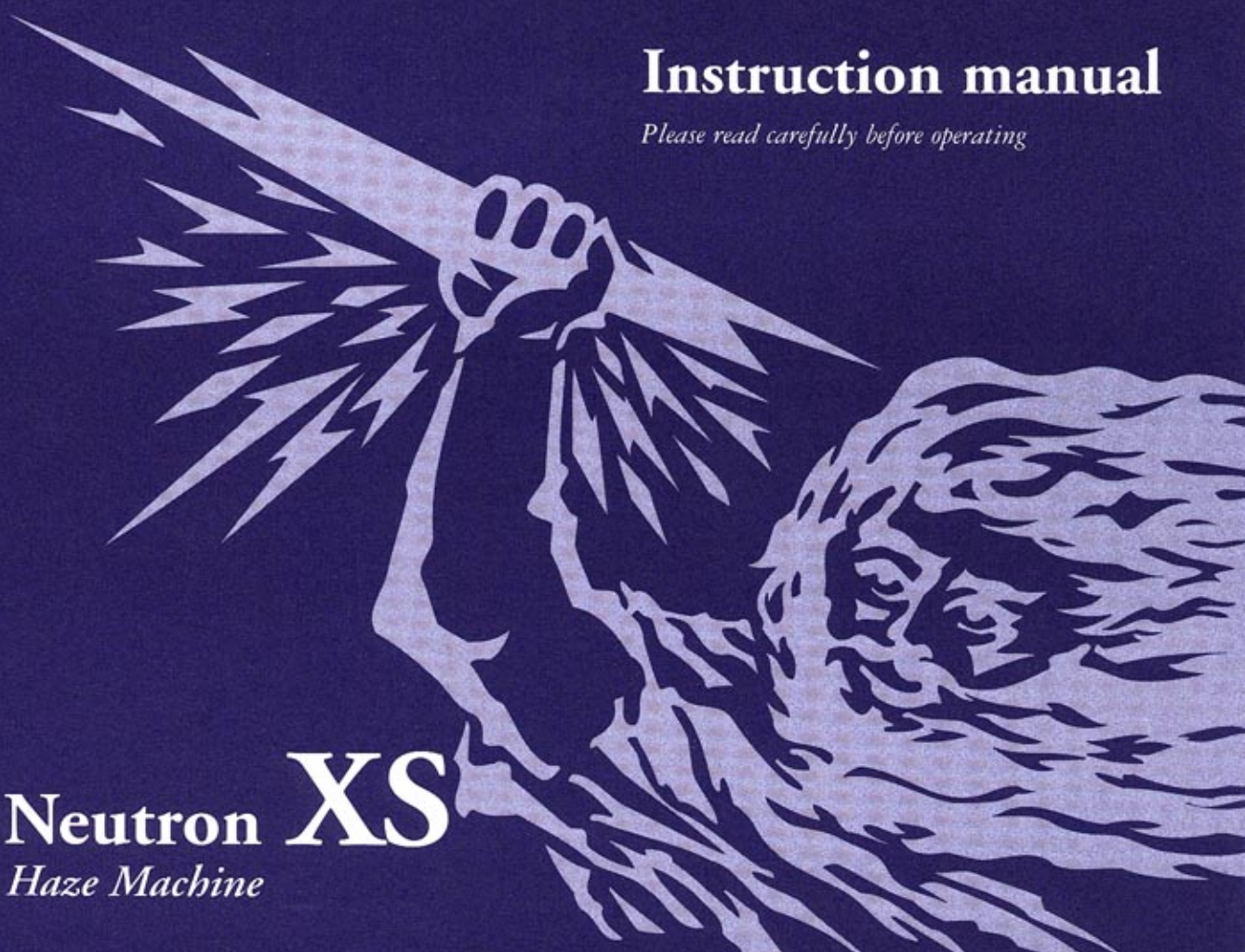
Please read carefully before operating



Le Maitre

Neutron XS

Haze Machine



Electrical connections

Since the 'Neutron XS' haze machine is internally fused at a rating of 2 amps, please ensure that the mains plug is rated higher than this.

Wiring should be in accordance with the following colour coding:

Brown – Live
Green/Yellow – Earth
Blue – Neutral

It is imperative that this machine is **earthed** under **all** circumstances – failure to ensure correct earthing could result in serious injury.

Power requirements 230V 870mA 50/60Hz 200W

Basic operation

The machine should only be used with the 2.5 litre Le Maitre 'Neutron XS' haze fluid.

The use of any other fluid could lead to damage of the 'Hazing Element' or toxic smoke output.

Remove the main cover by releasing the two thumb screws, situated rear top and front lower and sliding the cover forwards, up and out.

1. Place the bottle securely into the machine and remove its sealing cap. Insert the fluid feed pipe and secure the fluid cap, make sure that the air vent in the cap is clean from obstruction.
2. Plug the machine into a suitable mains supply. Set the 'Mains' switch to the on position, located on the rear panel, the 'Mains' switch will illuminate to indicate the presence of 'Mains' power.
3. Set the 'Haze' switch to the on position, located on the rear panel. The 'Monitor' led should now begin to flash indicating that the initial auto cleanse phase has commenced. After approximately 90 seconds normal operation continues. Please note, if the 'Neutron XS' hazer shut down phase has not been allowed (this will occur if the mains supply to the unit is interrupted) then it is possible that small amounts of fluid will be ejected during the auto cleanse phase. This will not cause damage and is merely an inconvenience.
4. It will now be necessary to 'Prime' fluid into the system to expel any air that might be present. This is done automatically and can take up to eight minutes if fluid feed pipe is empty.

Basic operation *continued*

5. Once the 'Neutron XS' is primed haze vapour will automatically be issued in a cycling fashion. The slower flash rate of the 'Monitor' led indicates the actual output cycle. The cycling effect of the haze issue allows for uniform dispersion of the haze effect.
6. To stop haze issue, set the 'Haze' switch to the off position. The 'Neutron XS' will not immediately stop issuing haze, but will enter into an additional auto cleanse phase. After this period the 'Neutron XS' will shut down, and the 'Monitor' led will stop flashing, however the internal fan will continue to operate until the 'Mains' switch is set to the off position.
7. An external 3 pin XLR connector allows the use of the Le Maitre DMX module accessory or 0-10V control via pins 1 (0 Volts) and 2 (0-10V DC input).

Service note

Should there be a continuous rapid 'flash' of the led, first check the 'Hazing Element' plug is correctly fitted, and then switch the 'Power' off then back on again to reset the fail mechanism. If this fails to rectify the rapid 'Monitor' led flashing then the 'Neutron XS' should be returned for service. To ensure optimum performance the 'Hazing Element' should be cleaned periodically*, typically after every two bottles of Le Maitre 'Neutron XS' haze fluid. Using the 'Neutron XS Element

Cleaning Abrasor' provided, (located inside the fluid bottle compartment) simply fit 'Abrador' into a low power battery drill, remove blanking plug located on the side of unit and slowly guide 'Abrador' into element coil through the blanking grommet hole. Alternatively guide and twist by hand, removing any scale.

*Certain operating regimes may require the 'Hazing Element' to be cleaned more frequently. Thorough cleaning can be achieved by removing the 'Hazing Element' and syringing a very dilute hydrogen peroxide mixture, directly through the element, finally washing through with a demineralised water solution.

Warning

Keep all persons and objects away from the Haze issue. Haze close to the output nozzle is VERY HOT, and can cause burns. The smoke will condense on objects up to 10 cm and could burn exposed skin.

Never use this haze machine in such a manner that, in the event of a failure, injury could be caused.

Keep a check on fluid levels, and make sure that the filter gauze on the fluid supply is clean. If blocked, this will restrict fluid flow and could give rise to problems.

Never use alternative fluids. Toxicity free output is your responsibility.