

Zephyr-500

Compact Haze Machine 500W

Order ref: 160.496UK

User Manual



Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty



Digitally controlled portable haze machine with a sturdy metal housing for small and medium sized venues. Haze output can be set via the rear control panel, the included keyfob-style RF wireless remote or by DMX signal if preferred. The fluid bottle is encased by a neat magnetic door and can be removed for easy refilling. There is a slot window to show the current fluid level and a low fluid cut-off switch to protect the unit from damage when running dry. Designed to offer professional level haze effects in a compact format for easy installation and portability.

- 500W haze vaporizer provides around 3000 Cu.Ft/min output.
- Digitally controlled output rate.
- Integrated low fluid protection switch ensures the unit won't be damaged if left running when the tank is empty.
- Sturdy metal housing with minimal footprint.
- DMX-512 compatible.
- Removable 1.2 litre fluid tank.
- Supplied with wireless remote control.

In the box:

- Zephyr Haze Machine
- RF remote control and transmitter
- UK/EU IEC Mains Leads
- Mounting bracket and thumbscrews
- User guide

Please check the contents to ensure that the product has been received in good condition. If you find any accessory is missing or the machine has arrived with damage, please contact your local dealer at once. Do not try to fix this item yourself or you will invalidate the warranty. Please keep the original packaging and invoice for any possible replacement or return demands.

Warnings:

1. To prevent risk of fire or electric shock, do not expose electrical parts to rain or moisture.
2. If liquids are spilled on areas other than inside the fluid tank, disconnect the mains, allow the unit to dry out and have it checked by qualified personnel before use.
3. Avoid any impact, dropping or extreme pressure to the housing.
4. No user serviceable parts inside - do not open the case.
5. Allow the unit to acclimatise to room temperature before operating.

Safety and Cleaning:

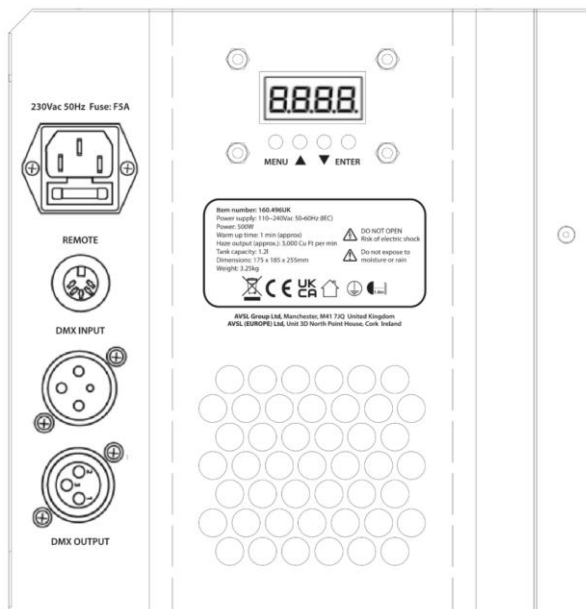
1. Check for correct mains voltage and condition of mains lead before connecting to power.
2. This unit must be earthed.
3. This unit uses a heating element – be aware that parts of the housing may be hot during use!
4. Use a soft dry or slightly damp cloth to clean the casing.
5. Do not use strong solvents for cleaning the housing.
6. Clean the haze mechanism periodically by operating with distilled water.
7. It is also recommended to use fog machine cleaning fluid (160.670UK) periodically.

Recommended Fluids:

For the Zephyr, we strongly recommend the following fluids which has been specifically formulated to perform best with any heater-based haze machines.

QTX ref code	Description	Size
160.591UK	High quality haze fluid	5 Litre
160.596UK	Haze Fluid Eco	5 Litre

Rear Panel:



Setting Up:

1. Unpack the unit.
2. Unscrew the cap of the tank and remove to fill with haze fluid.
3. Replace the bottle and screw the cap securely, making sure that the pipe is fed down to the bottom of the bottle to ensure a consistent flow of fluid.
4. If DMX is to be used for control, connect the DMX signal from the controller to the DMX IN XLR connector. Any further DMX controlled units may be connected via the DMX OUT XLR connector.
5. Connect the IEC mains cable and power the unit on.
6. The unit will begin the warming up process which normally takes a few minutes.

Operation:

Use the control buttons on the rear panel of the unit to operate the unit's modes and functions quickly and efficiently as below:

Button	Response
Menu	Scrolls between menu screens
Up	Increase function or setting value
Down	Decrease function or setting value
Enter	Save the current setting

The LCD panel on the rear of the unit will display the following outputs:

Function	Display	Content
DMX address code	A001-A512	Set required DMX address (see below table for DMX content)
Haze volume set	o000-o255	0-100%
Fan power set	F000-F255	0-100%
Remote control selection	r0-r4	Use to set the live button on the remote control e.g. r1 = use button 1 for haze on/off and 2,3 and 4 are redundant; r2 = use button 2 for haze on/off and 1,3 and 4 are redundant etc; r0=remote off.
Low fluid protection interface	U000-U001	0=off, 1=on (when low fluid protection is activated the yellow LED on the front of the unit will flash. It will stay on when the unit is low on fluid and needs topping up).
Timer selection interface	E001-E255	Set the required time span for continuous haze (1-255 seconds). Once set and saved using the Enter button the unit will start, the countdown will begin and an LED dot flashes on the display. If left the unit will deliver continuous haze until the countdown reaches zero, then pause for the selected amount of time before starting again (e.g if 10 seconds is selected there will be 10s of haze, a 10s pause then 10s of haze again until stopped). To stop the haze at any time, press the Enter button and the LED dot on the display will stop flashing.

The small RF remote control supplied can also be used when wireless control of the unit is needed. Plug the transmitter box into the remote-control socket on the rear of the unit to use the remote for the following functions:



- 1:** Haze effect on/off when r1 is enabled as above
- 2:** Haze effect on/off when r2 is enabled as above
- 3:** Haze effect on/off when r3 is enabled as above
- 4:** Haze effect on/off when r4 is enabled as above

(Note: the blue LED on the front of the unit will illuminate when a signal from the remote is received)

If the LCD panel display is set to DMX mode (A001-A512), the unit will operate by DMX control as follows:

Channel	Value	Content
CH1	0-5	Haze off
	6-255	Haze volume increases (1-100%)
CH2	0-5	Fan off
	6-126	Fan speed increases (1-100%)

Specifications:

Power supply	110~240Vac 50-60Hz (IEC)
Fuse rating	F5A
Power	500W
Warm up time	1 minute (approx.)
Remote control frequency	433Mhz
DMX channels	2
Haze output (approx.)	3,000 Cu Ft per minute
Tank capacity	1.2 litres
Dimensions	175 x 185 x 255mm
Weight	3.25kg

Troubleshooting:

No power to unit	Check mains voltage is correct and socket is switched on
	Check power lead is OK and connected properly
	Check mains fuse in unit and fuse in plug top
	If fuse blows repeatedly, refer to qualified service personnel
Power to unit but no haze output	Check fluid level in tank
	If fluid is OK and pump working, the lines may be blocked
	Check that output is not set to zero on the control panel
	If blocked, clean with fog machine cleaner & distilled water
	Check that if DMX mode is selected, the DMX channel is correct
	In DMX mode, check that haze output is not set to zero



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines

Errors and omissions excepted.

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