



HAZER S



User Manual

Please keep reading this manual carefully for further use!

PRODUCT DESCRIPTION

The 700W haze machine is suitable for small pubs and venues. It can be used hanging or placed on the ground. It is designed to be easy to carry and features complete functionality. The spraying angle can be adjusted conveniently. The internal DMX function highly increases convenience when connecting with other devices.

TECHNICAL SPECIFICATIONS

- Power: 700W
- Voltage: AC110-240V / 50-60Hz
- Current Limit: 250V / 5A
- Preheating Time: 2 minutes
- Automatic Pipe Cleaning: Standard configuration
- Fuel Consumption: 1-4ml/min (Linearly adjustable)
- Coverage Area: 150 m²
- DMX-512: 2 Channels
- Tank Volume: 1.2L
- Consumables: High purity smoke oil (Haze fluid)
- Gross Weight: 4.9 kg
- Packing Size: 32 * 30 * 27 cm

MAIN FEATURES

This equipment completely adopts a microcomputer intelligent design, automatically detects the temperature, and has multiple protection and error reporting methods.

Independent Control: 4 channels of independent non-contact control output (heating core, oil pump, fan, air pump).

3 Control Methods:

- Manual control via panel buttons.
- Wireless remote control (remotely switch on/off and adjust smoke volume).
- DMX signal control.

Cleaning Cycle: In any control method, after the smoke is stopped, the pump and fan will delay working for 2 minutes and then stop running to clear the system.

Advanced Circuit Protection:

- Heating Core Protection: Specially designed to prevent aluminum melting due to long-term heating caused by SCR breakdown, CPU crash, or humidity. Temperature control reliability reaches >99%.
- Isolated DMX Signal: Driven by an independent power supply, completely isolated from the main control board to prevent signal interference and crosstalk.

CONTROL PANEL OPERATION

There are 4 keys on the digital panel. From left to right:

- MENU
- UP: Start button when in standby; Value adjustment.
- DOWN: Start button for timing/quantitative function in standby; Value adjustment.
- ENTER: Confirmation key.

Digital Display Status

Heating Up: The UP key flashes.

- Note: Displayed when temperature is <80%. Not displayed when >90% (ready to work), but the device may continue heating until 100%.

Working/Heating: - - - - Flashing indicates the device can work but is continuing to heat. After heating is completely finished, - - - will stop, and the unit enters standby mode.

Pump Active: Pxxx flashes to indicate the oil pump is working. When the temperature fully reaches the set point, Pxxx stops flashing.

Adjusting Parameters During Operation

- Press MENU, P flashes: Press UP or DOWN to modify Smoke Volume.
- Press MENU again, F flashes: Press UP or DOWN to modify Fan (Wind) Volume.

Note: If there is no operation within 2 seconds, data is saved, and the system returns to the work interface.

Menu Settings

Press the MENU button to scroll through the following settings:

Display	Function	Description
A001-512	Address Code	DMX Address setting.
P001-100	Smoke Volume	Set smoke output (Pump speed).
F-01-100	Wind Volume	Set fan speed.
D001-999	Duration	Timing working time setting (Unit: seconds).
I001-999	Interval	Timing gap/pause time setting (Unit: seconds).
O ON/OFF	Oil-Free Protection	Enable or disable the protection sensor.

Oil-Free Protection Logic:

When enabled (ON), if the oil pump cannot pump out fluid for 20 seconds, the digital display shows OOOO, and all outputs are cut off simultaneously. The power needs to be restarted to reset.

ADVANCED SETTINGS (Background System)

In standby mode or during heating, press and hold the ENTER key for 3 seconds to enter the background setting system.

Parameter	Range	Default	Description
T	20-100	75	Temperature setting. 75 corresponds to approx 213°C.
O	50-150	100	Pump pulse working speed setting.
U	30-100	100	Pump power supply voltage setting (AC80-220V).

After setting, press the ENTER key for 3 seconds to save and exit.

DMX CONTROL MODE

Channels: 2 Channel Control.

Connection: After the DMX signal is connected, the LCD displays A001, and A flashes.

Channel	Function	Description
Channel 1	Smoke Amount	Controls the speed of the pump.
Channel 2	Wind Volume	Controls the speed of the fan.

ERROR CODES & TROUBLESHOOTING

Error Code	Meaning	Cause / Action
OOOO	Oil-Free Protection	The machine ran without fluid for 20 seconds. Refill fluid and restart power.
OVER (Flashing)	Thermocouple Open	The thermocouple has been open-circuited for more than 5 seconds. All outputs are cut off. Contact service.
FAIL (Flashing)	Heating Failure	<ol style="list-style-type: none">1. Thermocouple short-circuited for >5 seconds.2. Temperature has not reached set value after 2 minutes of continuous heating. All outputs are cut off.

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