



I N S T R U C T I O N M A N U A L

KHM800

Professional 800w haze machine

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Due to continuous product development, please ensure that you have downloaded the latest instruction manual for this product from the Kam website at www.kam.co.uk

For the latest updates and information on the entire Kam range visit:

www.kam.co.uk

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M A D E I N C H I N A

Thank you for purchasing this Kam product, we are sure that it will serve you for many years to come.

To optimise the performance of this product, please read these operating instructions carefully to familiarise yourself with the basic operations of this unit. Please retain them for future reference. This unit has been tested at the factory before being shipped to you.

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture. To prevent a fire hazard, do not expose the unit to any naked flame sources. Unplug this apparatus during lightning storms or if it is unlikely to be used for long periods of time.

When installing the unit, please ensure you leave enough space around the unit for ventilation. Slots and openings in the unit are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered.

If the unit is powered by the mains, always handle the power cable by the plug. Never pull out the plug by pulling on the cable. Never touch the power cable when your hands are wet as this could cause an electric shock. Do not tie a knot in the cable. The power cable should be placed such that it is not likely to be stepped on. A damaged power cable can cause a fire or give you an electrical shock. Check the power cord periodically, if you ever find that it is damaged, replace it before using the unit again. Contact your retailer for a replacement.

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit is to be used meets the required written on the unit.

The lightning flash symbol inside a triangle is to alert the user to the presence high voltage within the unit's enclosure that may be of sufficient power to constitute a risk of electrical shock to persons.

Caution: to prevent the risk of electric shock, do not attempt to open the unit. No user-serviceable parts inside. Refer all servicing to qualified service personnel.

The exclamation mark inside a triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

Select the installation location of your unit carefully. Avoid placing it in direct sunlight or locations subject to vibration and excessive dust. Do not use the unit where there are extremes in temperature (below 41°F / 5°C or exceeding 95°F / 35°C).

Unpacking and safety Please unpack your new product carefully. Your new product should reach you in perfect condition. Please check that no damage has occurred during transit. If any damage is found, do not operate your unit. Please contact the retailer you purchased it from immediately. If there is any damage to the mains cable do not use the device. Always disconnect the unit from the mains supply when carrying out any cleaning of the unit.

Manufacturer declarations



In compliance with the following requirements: **RoHS Directive (2002/95/EU)** and **WEEE Directive (2002/96/EU)**. If this product is ever no longer functional please take it to a recycling plant for environmentally friendly disposal.

CE declaration of conformity

R&TTE Directive (1999/5/EU), EMC Directive (2004/108/EU), Low Voltage Directive (2006/95/EU).

The declarations are available on application from certification@lambapl.com

Before putting the devices into operation, please observe the respective country-specific regulations.

Setup:

1. Unpack the haze machine.
2. Open the door on the rear of the machine and slide the fluid tank out of the unit
3. Unscrew the top cap of the tank and remove to fill with the haze fluid.
4. Screw the cap on securely ensuring the pipe is fed down to the bottom of the bottle so a consistent flow of fluid is supplied to the machine. Replace the bottle and close the door
5. Connect the remote control.
6. Connect the IEC mains plug and power up.
7. Heat up time is usually 90 seconds. Please ensure no button is pressed during the heat up time. When the machine is ready the LED light on the machine and remote control will illuminate
8. Press the button (3) on the remote control for 5 seconds so the fluid has a chance to flow through the heater block making it ready to use.
9. After this you will be able to use the haze machine. It is recommended to produce haze with small pauses in between so that the temperature is maintained and the thermostat doesn't switch off.

Mounting instruction:

The fixture may be mounted in any position provided there is adequate room for ventilation and the fluid won't leak. It is important never to obstruct the front of the machine, fan or vents. Mount the fixture using a clamp. Adjust angle of the fixture loosening both knobs and tilting the fixture. After finding desired position, re-tighten both knobs. When selecting installation location, take into consideration refilling the tank and routine maintenance. Safety cables must always be used. Never mount in a place where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.

Caution! For your safety, please kindly pay attention to all of the warnings listed below:

Always plug in the power plug last and disconnect from the mains when the device is not in use or before cleaning.

Do not install and operate the device in rain or extreme heat, moisture or dusty environments.

This device is for indoor use only

Do not switch on immediately but wait until it reaches to room temperature if the device has been exposed to drastic temperature fluctuations.

Do not use solvents or aggressive detergents to clean the device. Use a soft and clean cloth.

Do not modify the unit in any way

Clean the machine regularly using distilled water or smoke/haze cleaning fluid

Connect with power supply

The ground wire must be connected:

Wire Connection International signal

Brown Live L

Blue Neutral N

Yellow / Green Earth

Quick Trouble Shooting:

If the unit is not functioning properly

- Check if main power is on and fuse hasn't blown
- The remote control is plugged in correctly in to the socket
- Check there is fluid in the tank
- Check that the pipe is pushed down to the bottom of the tank
- Check the correct fluid has been used.
- If there is a block use distilled water or haze machine cleaning fluid.

Replacing a fuse:

Disconnect from the main power supply first, then remove the fuse holder above the IEC Socket to reveal the fuse.

Replace the correct fuse rating as stated in user guide. Then, lock the fuse holder cover back into place.

General maintenance:

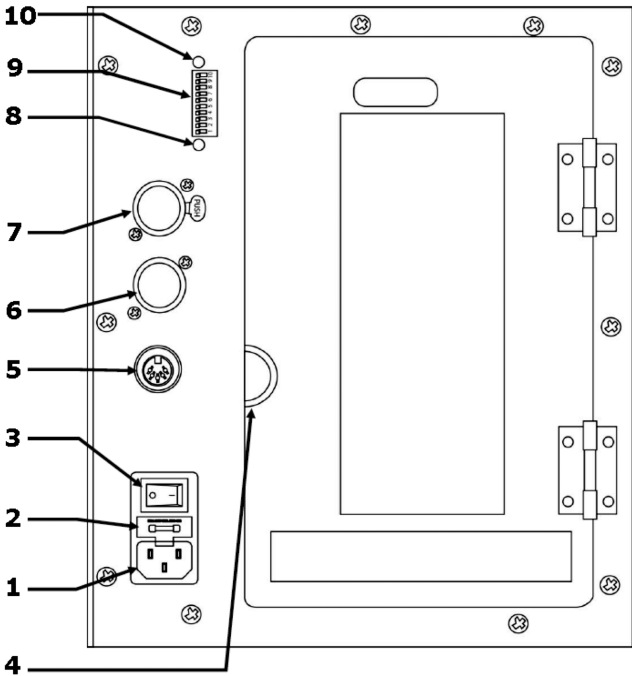
To maintain optimum performance and minimize wear, the item should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned after use to avoid dust build-up and blockages. Which can result in poor performances, overheating and failure.

Disconnect from the mains supply before conducting maintenance.

Clean the external case when the fixture is cold with a dry cloth

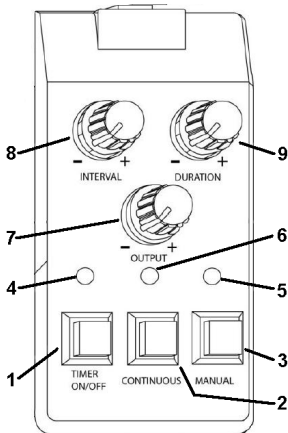
Flushing the unit and internal pipes, this should be done once every 2 months to ensure continuing high performance. use only distilled water or haze machine cleaning fluid, empty the tank, fill with distilled water or haze cleaning fluid and run 2 complete tank fulls through the machine, when complete refill with haze fluid

Rear View:



1. IEC Power socket
2. Fuse holder
3. Power switch On/Off
4. Back door (Removable fluid tank inside)
5. Remote control socket
6. DMX In
7. DMX Out
8. Ready indicator
9. Dipswitches for DMX address
10. DMX indicator

Timer controller:

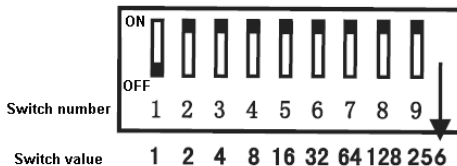


1. Timer on/off button
 2. Continuous output
 3. Manual override button
 4. Timer LED indicator (Illuminated Yellow when timer active)
 5. Manual ready indicator (Illuminates Green when ready)
 6. Power indicator (Illuminates red when power is on)
 7. Adjust the amount of Haze released (between 0 – 100%)
 8. Adjust the interval gap between each release of Haze (between 0 – 30 Min approximately)
 9. Adjust the duration the Haze / Haze is released at each interval (between 0 – 15 seconds approximately)
- NOTE:** The below controls are only used when in timer mode
- For best results select "continuous" and adjust output to achieve desired effect,

DMX controlling:

DMX channel	DMX scale	Detail function
CH 1	000-255	0% - 100% haze input
CH 2	000-255	0% - 100% fan speed

Dipswitch addressing



To set the DMX address please see the example table below. (Note: 1 = On, 0 = Off).

DMX Address	Dipswitches								
	1	2	3	4	5	6	7	8	9
1	1	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0	0

It is possible to use the dipswitches to activate the haze machine without a DMX controller
 Turn dipswitch 10 on. Select switch 1-4 to activate pump. Select switch 5-9 for fan speed (5 = slow, 9 = fast.)

Features

Haze output: 1,200 Cu ft/min

Relay temperature controlled for constant temperature control and longer life span

Uniquely designed nozzle for reduced condensation build up in the pipes

True constant haze output

Variable output angle

Timer output remote control included

Easy to transport and portable

2 Channel DMX (output level and fan speed)

Removable tank for easy maintenance

Technical specifications

Power supply: 230V AC, 50Hz

Fuse: 5A

Power: 800w

Heating time: 90 seconds

Haze Output: 1,200 Cu Ft per minute

Tank capacity: 2.5 Litres

Dimensions (WxHxD): 280 x 350 x 295mm

Weight: 8Kg