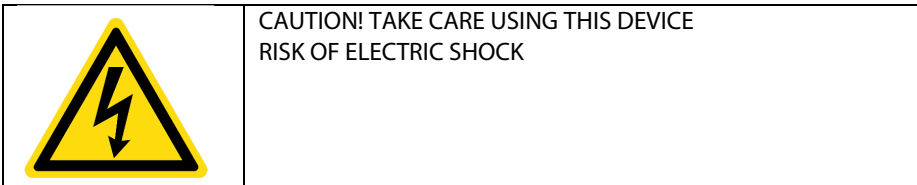


Uls Manufacturing ULSparse DMX Haze machine



WWW.ULTRALIGHTSOUND.CO.UK

Safety instructions - Please read this manual carefully before your initial startup



Each person involved with the fitting, maintenance and operation of this device should be competent and follow these instructions.

Before Initial start-up check the mains cable and device for any damage.

Keep this device away from moisture and liquids.

Should the fuse in the plug need replacing ensure a 13amp fuse with a British kite mark is used.

ULS manufacturing will not accept liability for any damages caused by the non-observance of this manual, or any modification to this device.

Never remove warning or information labels.

Do not open this device or modify the equipment

Do not connect this device to a dimmer pack.

Do not switch this device on and off at short intervals.

Only use indoors.

Make sure the voltage is between 90 and 240v ac

Make sure the power cable is never crushed or forced, check the cable periodically.

If the equipment has been exposed to drastic temperature change (normally after transportation), allow device to reach room temperature before powering on.

Do not touch this device during a thunderstorm.

If any of the following conditions occur, remove the ac plug:

Smoke or unusual smell.

Water or foreign objects inside the unit.

Damage to the housing caused by physical damage.

Never pull the power cord, always grasp the main body of the plug top.

Thank you for purchasing our premium Dmx Haze Machine.

Rugged Design and build for out on the road use with a feature set to rival existing products on the market.

Key features.

- High Quality Centrifugal fan .
- Air pump mixes air with fluid to allow the smallest droplets of haze fluid to enter the heat exchanger.
- Easy Dmx addressing together with easy readable lcd display for tool free setup
- Menu setup of timer, interval duration. Fan speed pump volume dmx address.
- Advance feature set for easy troubleshooting.
- 2 channel Dmx control of fan speed and pump output .

Specifications.

Heating element 1000 Watt

Warm-up time Approximately 120 seconds

Tank capacity 2 Litres

Haze Output 170m3/min.

Liquid consumption 200 Min/L (30%) - 120 Min/L (100%)

Control Panel 6 buttons with LCD display 2x8 Characters

DMX Connections 3-pin and 5-pin XLR In/Out connectors

DMX Mode 2-Channel (Fan Speed, Output Haze Volume)

Flight-case Included

Voltage 220Vac, 50Hz

Power Consumption 1030W Internal fuse 10A - 250V fast blow, 20mm glass

Dimensions (WxDxH) 425 x 294 x 195 mm

Weight 12 Kg – 26.5 lbs.

Shipping dimensions 475 x 245 x 420 mm Weight 13 Kg

Setup.

Fill fluid Container with High Quality Haze fluid.

Store fluid bottle with cap at the top of the machine

Machine can be used on its 4 rubber feet or stood upright with the lcd screen facing upwards.

Prime the fluid through the machine for approx 30 seconds Pressing and holding the



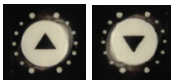
"Manual" Button until Haze is produced from the machine

Standalone operation– no Dmx control.

Set the Fluid Pump Rate



Using the function button to enter the menu page to set the fluid pump rate/Volume under the Vol Set.

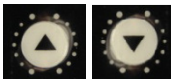
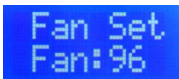


Using the Up and down keys to adjust from 5 to 100%

Set the Fan Speed



Using the function button to enter the menu page to set the Fan Speed under Fan Set



Using the Up and down keys to adjust from 5 to 100%

Continuous running



Using the Volume Button to put the machine into run mode using the Fan and volume settings already entered

The fan speed and the fluid pump volume can continue to be adjusted whilst the machine is running using the function and up /down keys.

Standalone timer control – no dmx .

This Feature is ideal for much smaller spaces where just a small amount of haze produced once every few minutes is enough to keep a very fine haze in the space.

An example of values for very small venues might be:

Fluid pump Volume: 5%

Fan speed 5%

Duration 3 seconds

Interval 250 seconds

(This level of control can also be replicated from a dmx lighting controller by setting up a loop/chase)

Set the fan speed and volume as described before.

Set the duration at which the fluid pump runs



Using the function button to enter the menu page to set duration

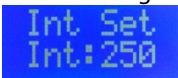


Using the Up and down keys to adjust from 3 to 250 seconds

Set the interval time between the durations



Using the function button to enter the menu page to set the interval



Using the up and down keys to adjust from 5 to 250 seconds

Running the Timer



Using the timer button to start the timer mode continuously looping. The display will show a countdown clock of the duration and interval times set.

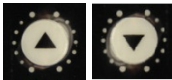
Dmx operation.

As soon as dmx data is plugged in and present the Menu functions are no longer accessible

Dmx channel 1 – Fluid pump volume 5 to 100%

Dmx channel 2 –Fan speed 5 to 100%

The Display provides live read out of the fluid pump volume and the fan speed values generated from the Lighting controller/ in the dmx data line.



Using the up and down keys to change dmx address

Shutting down the machine.

Dmx control

Set the fan speed and the volume to 0% on the lighting controller and leave machine powered for at least 120 seconds. This allows the air pump to drive the remaining droplets of fluid out of the heat exchanger before the unit is powered down

Standalone operation

Cleaning mode is entered automatically when either the timer mode or the continuous mode is ended.

Trouble shooting

The Most common Problems:

Heat exchanger not getting hot- unit never reaches ready – internal thermal cut-out open
Fan and fan inlet clogged and requiring cleaning.

No haze produced:

fluid not reaching heat exchanger.

silicon tube not in fluid in the bottle

Tubes blocked

Internal network of pipes . T pieces and Joints between inlet, fluid pump air pump and heat exchanger. becoming disconnected.

XLR connections – 5 pin

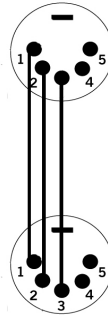
Pin 1 = Ground/ screen braid

Pin 2 =Dmx data -

Pin 3 = Dmx data +

Pin 4 = not connected

Pin 5 = not connected



XLR 5 pin to 3 pin cable convertors

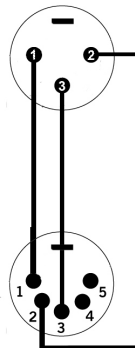
Pin 1 = Ground / screen braid

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ULS Manufacturing is a trading name of Ultra Light & Sound Limited.

UK based with readily available spares and new units in the UK.

This Haze machine was designed and manufactured in the UK by ULS Manufacturing. Our engineers have a detailed knowledge and are able to provide technical support both over the telephone, email and at our UK Headquarters.

We distinguish ourselves from competitors with:

- **Over 80% of repairs on Same-day service** — no unnecessary delay if your unit arrives before 10 am.
- **Live telephone support led by experienced engineers** — no automated call centers and no chatbot hoops to jump through.
- **Technical support Available out of Hours.** calls often answered out of hours including weekends- not a guaranteed service but streets ahead of the competition.
- **Real human support — a call answered by someone who can really help**, not a high-capacity ticket queue.

That said, we ask for your understanding: although we're dedicated to answering the phone, we can't offer **advance replacements** or guarantee **immediate fixes** just because we're reachable live. Unlike many providers who effectively "hide behind automation or ticketing systems," we focus on delivering expert service, not obscuring behind processes.

Our ethos is to be able to maintain, service and extend product life and minimise the "beyond economic repair" approach, helping reduce waste and saving time, money and the environment.

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WEE Declaration



This symbol indicates that this piece of electrical equipment must be disposed of separately from normal waste at the end of its operational life. Please dispose of this produced by contacting ULS manufacturing or taking it to your local recycling or collection centre.