

# Harrier-1500

## Vertical/Horizontal LED Fog Jet Machine 1500W

Order ref: 160.487UK

User Manual



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



The Harrier-1500's innovative design means it can provide either vertical or horizontal jets of smoke to rapidly fill larger venues. This powerful smoke effect can then be highlighted with an array of colours from the 24 bright LEDs housed in the unit. The smoke and light effects are easily controlled using either the control panel on the unit, the included keyfob-style RF wireless remote or by 7-channel DMX connection. The 2.5 litre fluid bottle can be removed for easy refilling and there is a slot window to indicate the current fluid level.

- Innovative design provides either vertical or horizontal powerful smoke jet
- Nine powerful 3W LEDs add a bright colourful light show to the fog effect
- 24 bright 3W LEDs add a colourful light show to the smoke effect
- In-built control panel with LCD display
- 433Mhz keyfob-style RF wireless remote
- 7-Channel DMX connectivity
- Removable 2.5 litre fluid tank
- integrated low fluid protection switch ensures the unit can't be damaged if left running when the tank is empty

## In the box:

Please check the contents to ensure that the product has been received in good condition.

- Harrier-1500 Fog Jet Machine
- RF Remote Control
- UK/EU Mains Leads
- User guide

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:

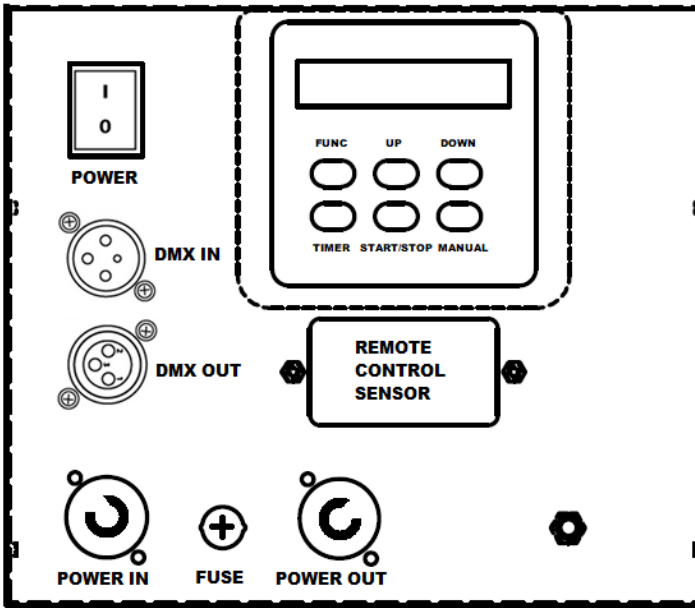
1. Check for correct mains voltage and condition of mains lead before connecting to power.
2. This unit must be earthed.
3. This unit uses a heating element – be aware that parts of the housing may be hot during use!
4. Use a soft dry or slightly damp cloth to clean the casing.
5. Do not use strong solvents for cleaning the housing.
6. Clean the fog 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 Harrier-1500, we strongly recommend the following fluid which has been specifically formulated to perform best with any heater-based fog machines.

QTX ref code	Description	Size
160.644UK	High quality fog fluid pink	1 Litre
160.583UK	High quality fog fluid pink	5 Litre

## Rear Panel:



## Setting Up:

1. Unpack the Harrier-1500 unit.
2. Open the fluid door, unscrew the cap of the tank and remove to fill with fog fluid.
3. Replace the bottle and screw the cap securely, making sure that the pipes are 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 twist and lock mains cable and power the unit on.
6. The unit will begin the warming up process which normally takes around 5-6 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
Function	Scrolls between setting screens
Up	Increase function or setting value

Down	Decrease function or setting value
Timer	Sets up the timing for the fog output
Volume	Sets up the volume for the fog output
Manual	Press and release for fog on demand (max. 15 secs)

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

Function	Display	Content
Unit warming up	Warming up	The unit will take around 4-5 mins to warm up
Ready to use	Ready to fog	The unit is ready to fog
Fog interval set up	INTERVAL SET	5-200 seconds
Fog duration set up	DURATION SET	5-200 seconds
DMX address code	DMX 512 ADD	Set required DMX address (see below table for DMX content)
Low fluid sensor	Fluid Sensor On	Turn low fluid sensor on/off
LED settings	Inner Flame 0	LEDs off
	Inner Flame 1	Red LEDs
	Inner Flame 2	Green LEDs
	Inner Flame 3	Blue LEDs
	Inner Flame 4	Yellow LEDs
	Inner Flame 5	Green+Blue LED Mix
	Inner Flame 6	Red+Blue LED Mix
	Inner Flame 7	Red+Green+Blue LED Mix
	Inner Flame 8	Colour change
Inner Flame 9	Colour fade	

The small RF remote control supplied can also be used when wireless control of the unit is needed. Ensure the wireless RF controller is connected to the unit, to use the remote for the following functions:



- 1:** Fog effect on demand (max. 15 seconds)
- 2:** Solid colour select
- 3:** Colour change or Colour fade
- 4:** LEDs on/off

If the LCD panel display is set to DMX mode (d001-d512), the unit will operate by DMX control as follows:

Channel	Value	Content
CH1	0-5	No Fog
	6-255	Start to fog
CH2	0-5	LEDs off
	6-127	Colour change mode
	128-255	Colour fade mode
CH3	0-5	Invalid
	6-255	Speed adjust for CH2 selection (slow to fast)
CH4	0-5	Invalid
	6-255	Strobe effect (slow to fast)
CH5	0-5	Invalid
	6-255	Red LED (low to high)
CH6	0-5	Invalid
	6-255	Green LED (low to high)
CH7	0-5	Invalid
	6-255	Blue LED (low to high)

### Specifications:

<b>Power supply</b>	220-240Vac, 50/60Hz (twist and lock)
<b>Fuse rating</b>	F10A
<b>Power</b>	1500W
<b>Warm up time</b>	5-6 minutes
<b>Remote control frequency</b>	433Mhz
<b>DMX channels</b>	7
<b>Fog output (approx.)</b>	32,000 Cu.Ft/min
<b>Tank capacity</b>	2.5 litres
<b>LED power</b>	3W x 24pcs
<b>Dimensions</b>	215 x 360 x 410mm
<b>Weight</b>	9.2kg

## Troubleshooting:

<b>No power to unit</b>	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 blowing repeatedly, refer to qualified service personnel
<b>Power to unit but no fog output</b>	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
<b>LEDs not working</b>	In DMX mode, check that fog output is not set to zero
	Check unit is ready to fog
	Check LEDs are selected on control panel or keyfob remote



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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