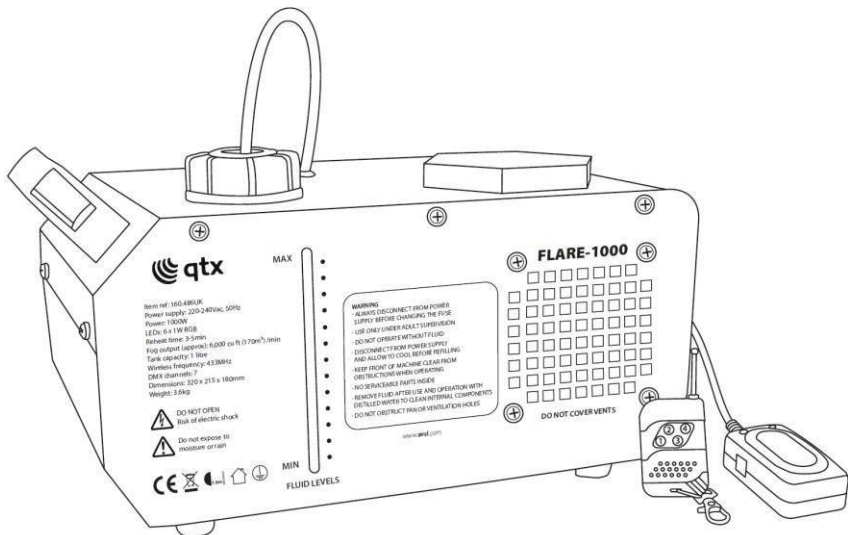


FLARE-1000

LED Vertical Fog Machine

Item ref: 160.486UK

User Manual



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

Introduction

Thank you for purchasing the FLARE-1000 LED vertical fog machine. This product has been designed to provide dramatic, illuminated fog effects for stage productions and themed events. Please read and keep this manual to achieve the best results from this equipment and avoid damage through misuse.

Unpacking

The product should arrive with you in good condition with the following components.

- FLARE-1000 LED vertical fog machine
- Wireless remote receiver
- Key fob remote control
- Mains lead(s)

If you find any accessory is missing or the machine has arrived with any problems, please contact your local dealer at once. Please keep the original package and invoice for any possible replacement or returned demand.

Warning

To prevent risk of fire or electric shock, do not expose electrical parts to rain or moisture. If liquids are spilled on areas other than inside the fluid tank, disconnect the mains, allow the FLARE-1000 to dry out and have it checked by qualified personnel before further use. Avoid any impact, dropping or extreme pressure on the housing. No user serviceable parts inside - do not open the case. Allow the FLARE-1000 to acclimatize to room temperature before operating.

Placement

The FLARE-1000 has a built-in fluid container and should be operated in an upright position. Ensure that the FLARE-1000 is positioned on a stable, non-slip surface.

Safety

- Check for correct mains voltage and condition of IEC lead before connecting to mains
- This unit must be earthed
- This unit uses a heating element – be aware that parts of the housing may be hot in use!

Cleaning

- Use a soft dry or slightly damp to clean the casing
- Do not use strong solvents for cleaning the housing
- Clean the fog mechanism periodically by operating with distilled water instead of fog fluid
- It is also recommended to use fog machine cleaning fluid (160.670UK) periodically

Recommended fluid

For the FLARE-1000 fog machine, we strongly recommend the following fluid, which have been formulated to perform best with this heater-based fog machines.

QTX ref. code	Description	Size
160.595UK	Vapour Blast Effect Fluid	5 Litre

The FLARE-1000 has a labelled window in the side panel to show the fluid level in the bottle. Check this level periodically to ensure that the FLARE-1000 does not run empty.

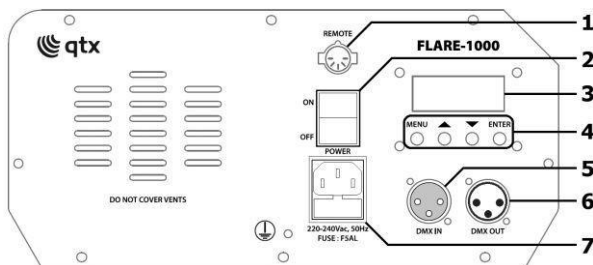
Use power supply with Earth connection and adequate current capacity for the unit

Use the plug to connect to the main power supply as follows:

Wire color	Connection	International symbol
Brown	Live	L
Blue	Neutral	N
Yellow / Green	Earth	

Connection panel

- 1 RF remote receiver connection
- 2 Power on/off switch
- 3 LCD display
- 4 4 button control panel
- 5 DMX input (3-pin XLR)
- 6 DMX output (3-pin XLR)
- 7 IEC mains inlet & fuse holder



Setting up

1. Unscrew the top cap of the fluid tank and remove it to fill with the fluid.
2. 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.
3. Connect the RF remote receiver to the 5-pin DIN socket (1) on the side panel.
4. If DMX is to be used for control, connect the DMX signal from the controller to the DMX IN XLR connector (5). Any further DMX controlled units may be connected via the DMX OUT XLR connector (6).
5. Connect the IEC mains plug (7) and switch the power on (2).
6. After heat-up of 3-5 minutes, the green LED on the remote receiver will light.
7. The FLARE-1000 is now ready to use.

Operation

DMX start addresses and LED light settings for the FLARE-1000 are made using the control panel and display (3, 4) as described below.

Press MODE	Press ▲▼ and ENTER	Function
□---	□□□□ - □□□□	DMX start addresses 001 to 512
□---	□□□□ - □□□□	No function
□---	□□□□ - □□□□	Red LED 0-100% brightness
□---	□□□□ - □□□□	Green LED 0-100% brightness
□---	□□□□ - □□□□	Blue LED 0-100% brightness

Direct control is available using the RF wireless remote control. Connect the wireless remote receiver to the 5-pin DIN socket on the connection panel, extend the antenna on the key fob remote and operate from the 4 buttons as described below.

R = Fog with red LEDs on

G = Fog with green LEDs on

B = Fog with blue LEDs on

FOG = Fog with no LEDs on



Press to activate, release to stop fog output.

DMX operation

If a DMX signal is connected, the unit will operate from DMX as follows.

DMX Channel	Value	Function
CH1 (start address)	000-255	Fog volume setting (1%-100%)
CH2	000-255	RED 0%-100% dimming
CH3	000-255	Green 0%-100% dimming
CH4	000-255	Blue 0%-100% dimming
CH5	000-255	Strobe speed 0%-100%
CH6	000-030	LED auto program off
	031-104	LED light auto color scroll
	105-179	LED light auto color switch
	180-255	LED light auto color pulse
CH7	000-255	LED Light Auto Program Speed Adjustment

Specifications

Power supply	220-240Vac, 50Hz (IEC)
Power consumption	1000W
Fuse	F5AL
Warm up time	3-5 minutes
Fog output	6000 cu ft (170m³) /min
Fluid capacity	1 Liter
LEDs	6 x 1W tri-color RGB
Controller	RF remote or DMX512 control (7 channels)
Remote control	RF 433MHz (23AE 12V battery)
Dimensions	315 x 215 x 170mm
Weight	3.69kg

Troubleshooting

Warning: Hot components! ... Switch off and allow to cool before touching the unit.

No light on mains switch or remote	Check mains voltage is correct, and socket is switched on
	Check IEC lead is OK and connected properly
	Check mains fuse in IEC connector and fuse in plug top
	If fuse blows repeatedly, refer to qualified service personnel
Green light is on but no fog output on manual or continuous mode	Check fluid level in tank
	If fluid is OK and pump working, the lines may be blocked
	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 fog 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.

Copyright© 2021 AVSL Group Ltd, Unit 2 Bridgewater Park,
Taylor Road, Trafford Park, Manchester. M41 7JQ.

AVSL (Europe) Ltd, Unit 3D North Point House,
North Point Bus. Park, New Mallow Road, Cork, Ireland. *oup Ltd*