

QTFX-V1

Fog Machine

Item ref: 160.456UK

User Manual





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

Introduction

Thank you for choosing the QTFX-V1 as part of your stage effects system. This machine is designed to provide powerful fog output and reliable service for spectacular stage effects. Please read these instructions fully to gain the best results and avoid damage through misuse.

Unpacking

Your QTFX-V1 should reach you in good condition and should be supplied with IEC mains lead(s) and wireless remote fob. If there are any signs of damage or items missing from the packaging, contact your dealer immediately.

Warning

To prevent risk of fire or electric shock, do not expose electrical parts to rain or moisture. If liquids are spilled on the housing or through the vents, disconnect the mains, allow the QTFX-V1 to dry out and have it checked by qualified personnel before further use.

Avoid any impact, dropping or extreme pressure to the housing.

No user serviceable parts inside - do not open. Refer all servicing to qualified personnel.

Allow the QTFX-V1 to acclimatize to room temperature before operating.

Placement

The fixture may be mounted in any position provided there is adequate room for ventilation and the fluid cannot leak out. When selecting installation location, take into consideration refilling the tank and routine maintenance. If mounting at height, safety cables should be used. Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperatures changes or restricted ventilation. Also do not mount vertically above people as occasionally condensation builds up and the fluid may be hot.

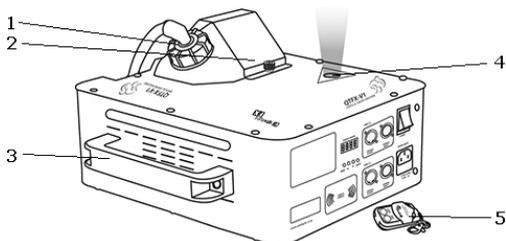
Safety

- Check for correct voltage and condition of IEC lead before connecting to power outlet
- This unit must be earthed
- This unit uses a heating element - do not touch the output nozzle area whilst in use!

Cleaning

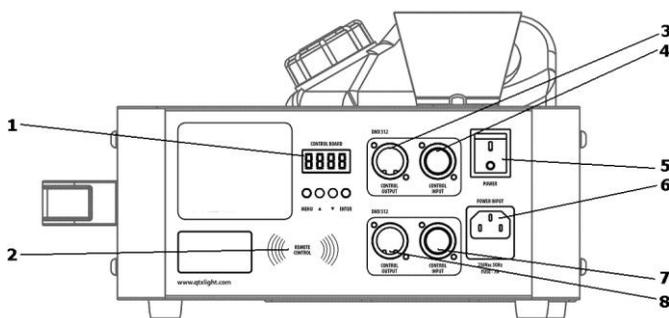
- Use a soft dry or slightly damp to clean the casing
- Do not use strong solvents for cleaning the unit
- It is recommended to use fog machine cleaning fluid (160.670UK) periodically

General layout



1. Fluid tank filler cap
2. Fluid tank safety retainer
3. Carrying handle
4. Fog output nozzle
5. Wireless remote fob

Connections



1. LED display
2. Built-in wireless receiver
3. DMX out (3-pin XLR)
4. DMX in (3-pin XLR)
5. Power on/off
6. IEC mains inlet
7. DMX out (5-pin XLR)
8. DMX in (5-pin XLR)

Control panel



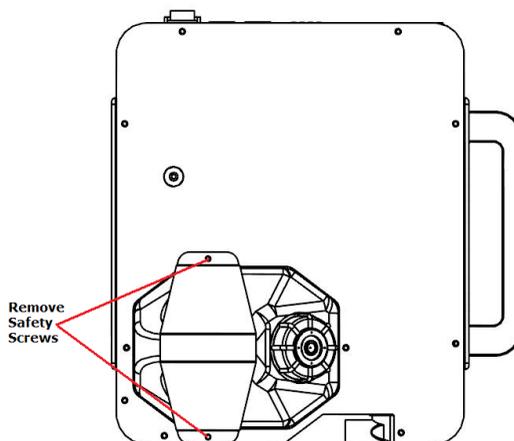
- MENU:** Press to access the menu functions
UP: Scroll up through the options
DOWN: Scroll down through the options
ENTER: Confirm a selection

Display	Description
HEAT	The fog machine is heating up (e.g. when the unit is first powered up)
Addr	Set the DMX Address 000 - 512
rEno	Turns the wireless remote on or off
orL	Turns the fluid level sensor on or off

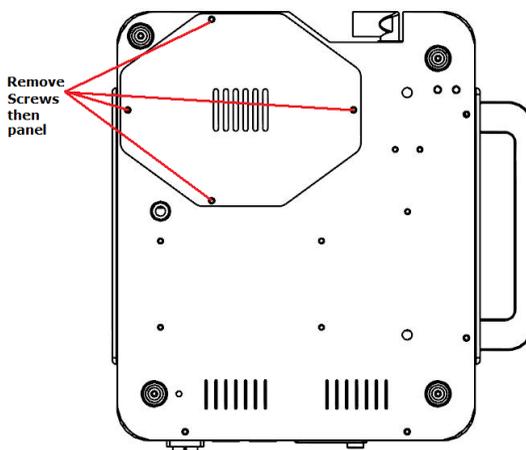
Mounting to trussing

If the QTFX-V1 is to be mounted to trussing, please follow the 4 steps shown below.

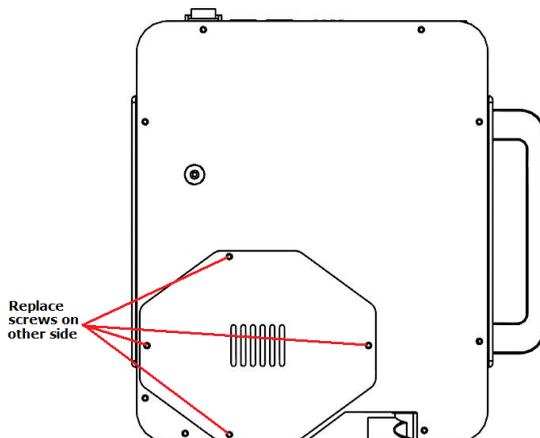
1. Remove the fluid tank from the fog machine



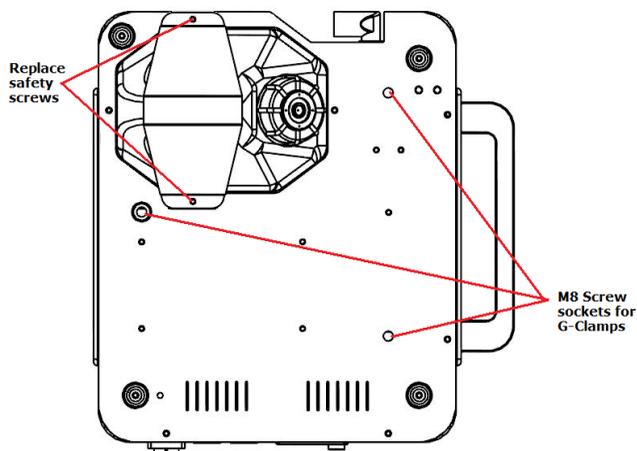
2. Turn the machine upside down and remove the 4 screws to release the bottle panel



- Once released, turn the machine around and fit the bottle panel on the top side securely.



- Turn the machine upside down again and fit the bottle securing the bottle lock. Fit your G Clamps in the highlighted M8 screw sockets.



Setting up and operation

The QTFX-V1 requires fog fluid to produce the effect.

It is recommended to use one of the range of qtx fog fluids for best results.

A chart for recommended fog fluids is included further along in this document

- Unscrew the top cap of the tank and remove to fill with the selected fog fluid
- Replace the cap and close securely, ensuring the pipe is fed down to the bottom of the bottle so a consistent flow of fluid is supplied to the machine
- Connect the IEC mains plug and switch the power on
- Heat up time is approximately 4 minutes and the display will show the word "HEAT"
- Once the fog machine is heated up, press a button on the wireless remote fob
- Fog should be produced from the output nozzle
If there is no output, the remote may need to be paired with the machine (see below)
- If fluid level is empty, the heater will shut down and the Fluid Low LED will light
- In this instance, switch off the power and refill the fluid tank before powering up again.
- Switch off mains power when not in use.
- Unplug from mains if not in use for long periods

Pairing the wireless remote

If the fog machine is not responding to button presses on the wireless fob, it is likely that the fob will need to be paired with the fog machine. This can be done as follows...

- Switch off power to the fog machine, wait 5 seconds and then switch on again
The LED display will show the following pattern...



- During this time, press and hold any button on the wireless remote fob until the LED display flashes twice to indicate a match (note: this can take up to 12 seconds)
Once this has been done, the wireless fob is paired with the fog machine and the pairing is stored in memory, so that this process does not need to be repeated
- If the fog machine still does not respond to the wireless remote fob, check the button cell in the wireless fob and replace if necessary, repeating the above pairing process.

DMX operation

The QTFX-V1 can be operated from a single DMX512 channel as follows...

DMX value	000-005	006-255
Operation	No fog output	100% fog output

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 breakages.

Be sure to power off the fixture before conducting maintenance.

Unplug fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean the external case when the fixture is cold with a dry cloth or tissue, and drag dirt and grime to the outside case.

To ensure a continuing high performance it is recommended to use water or smoke cleaning fluid (160.670) to clean the internal workings. Simply empty the tank of any smoke fluid, fill with water or smoke cleaning fluid then operate two full cycles to clean the internal pipes. This should be done every 2 months to ensure reliable performance.

Specifications

Power supply	230Vac, 50Hz (IEC)
Power	1300W
Reheat time	4 min (approx.)
Fog output (approx.)	20,000 Cu Ft (283m ³) / min
Tank capacity	2.5l
Remote control frequency	433MHz
Dimensions	341 x 345 x 194mm
Weight	7.8kg

Troubleshooting

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

No light on mains switch	Check mains voltage is correct and socket is switched on
	Check IEC lead is OK and connected properly
	Check mains fuse and fuse in plug top
No RF control	If fuse blowing repeatedly, refer to qualified service personnel
	Check pairing of wireless fob to fog machine
Remote light is on but no fog output	Check wireless fob battery
	Check fog fluid level (Fluid Low indicator)
	If fluid is OK and pump working, the lines may be blocked
	Check that nozzle is not blocked or obstructed
	If blocked, clean with fog machine cleaner & distilled water



Disposal: The "Crossed Wheeled Bin" symbol on the product means that the 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© 2014. AVSL Group Ltd.*

Effects Fluid Chart

		Effects Fluid Chart			
Bubble Fluid					
Stock Code	Volume	Description	Results		For use with
160.574UK	1 Litre	Bubble fluid	Light, long-lasting bubbles		160.462UK, 160.560UK
160.575UK	5 Litre				160.562UK, 160.563UK
160.576UK	1 Litre	UV bubble fluid	Light bubbles which glow in UV light		160.564UK
160.577UK	5 Litre				
Snow Fluid					
Stock Code	Volume	Description	Results		For use with
160.578UK	1 Litre	Snow fluid	High quality snow fluid. Lasts 30% longer than other standard fluids		160.565UK, 160.569UK
160.579UK	5 Litre				
Fog Fluid					
Stock Code	Volume	Description	Colour	Results	
160.643UK	1 Litre	Standard fog fluid	Yellow	Dispersion	Stability
160.582UK	5 Litre			Quick	Low
160.587UK	1 Litre	High grade fog fluid	Orange	Slow	Good
160.588UK	5 Litre				
160.644UK	1 Litre	High quality fog fluid	Pink	Slow	Good
160.583UK	5 Litre				
160.589UK	5 Litre	Premium fog fluid	Clear	Slow	Excellent
160.592UK	1 Litre	Low level fog fluid	Clear	Slow	Excellent
160.593UK	5 Litre				
160.670UK	20ml	Fog machine cleaner	Clear	Extends life of your fog machine	
Haze					
Stock Code	Volume	Description	Colour	Results	
160.590UK	1 Litre	High quality haze fluid	Clear	Dispersion	Stability
160.591UK	5 Litre			Slow	Good
				Density	Haze colour
				High	Thick white
					For use with
					160.458UK, 160.459UK
					160.462UK, 160.465UK