

QTFX-2000LED

HIGH POWER SMART LED FOG MACHINE

Item ref: 160.478UK

User Manual



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



Introduction:

High output LED fog machine combining large area coverage and powerful delivery with 6 bright LEDs to provide an interesting and colourful fog display. The unit can be operated by either the control panel and LCD display on the back, additional RF remote control or 7-Channel DMX, making it ideal for larger sized events. The large capacity fluid tank holds up to 5.5 litres and is removable for clean and convenient refilling and the integrated low fluid protection switch ensures the unit can't be damaged if left running when the tank is empty.

Unpacking:

Your QTFX-2000LED should reach you in good condition and should be supplied with IEC mains lead(s), wireless plug-in receiver/key fob remote, mounting bracket/thumbscrews and user guide. 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 areas other than inside the fluid tank, disconnect the mains, allow the QTFX-2000LED to dry out and have it checked by qualified service personnel before further use. Avoid any impact, dropping or extreme pressure to the housing. No user serviceable parts inside - do not open the case. Allow the QTFX-2000LED to acclimatize to room temperature before operating. Refer all servicing to qualified service personnel.

Safety:

- Check for correct mains voltage and condition of the IEC lead before connecting to a power outlet.
- Check the condition of the remote lead and ensure that it is not trapped.
- This unit uses a heating element – be aware that parts of the housing may be hot whilst in use!



This unit must be earthed.

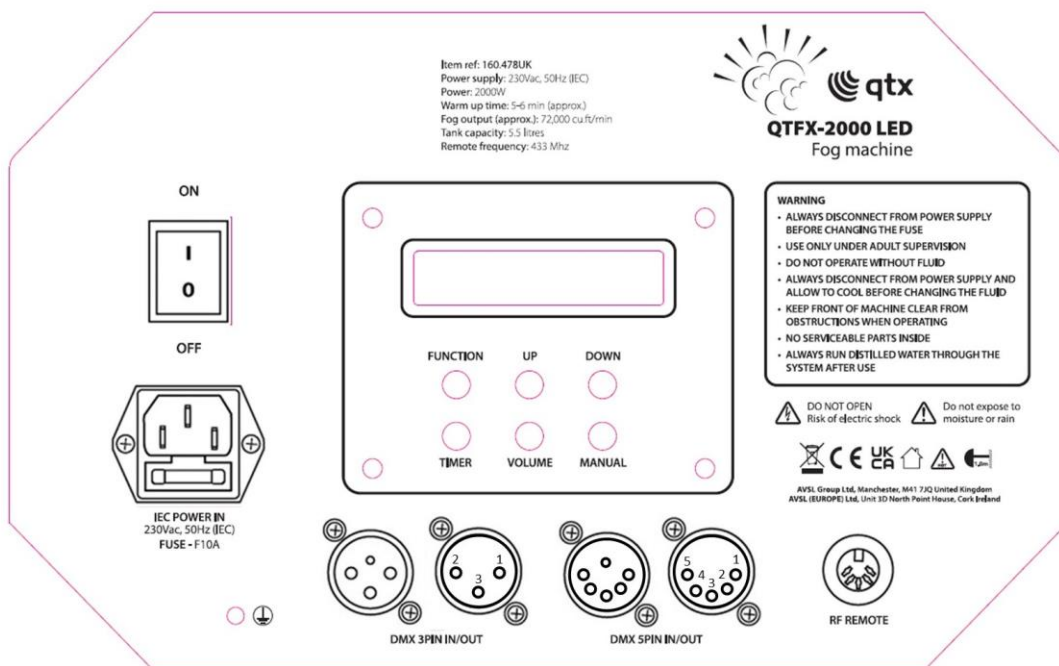
Cleaning:

- Use a soft dry or slightly damp to clean the casing.
- Do not use strong solvents for cleaning the unit.
- 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.

Placement:

The QTFX-2000LED has a built-in fluid container and should be operated in an upright position. Ensure that the unit is positioned on a stable, non-slip surface. Allow adequate space for access to the controls and to avoid straining cables and connections. Position the unit with the outlet nozzle towards the area where the effect is required but away from contact with people. When moving or carrying the QTFX-2000LED, always use the top-mounted handles.

Rear Panel:



Rear panel controls:

- Press the **"Function"** button to scroll through the available function screens of the unit.
- Press the **"Timer"** button to set the required time span for the fog output.
- Press the **"Up"** and **"Down"** buttons to increase and decrease the current selected value.
- Press the **"Volume"** button to start and stop the fog effect. The display will read **"Working"** when the fog effect is in action.
- Press and hold the **"Manual"** button to produce fog on demand. **Note:** the maximum time for this setting is 15 seconds, after this the machine will stop releasing fog effect.

Recommended Fluids:

For the QTFX-2000LED fog machine, 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
160.583UK	High quality fog fluid pink	5 Litre
160.589UK	Premium fog fluid clear	5 Litre

Setting up:

- Unscrew the top cap of the fog fluid 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 that a consistent flow of fluid is supplied to the machine.
- Connect the supplied wireless remote receiver to the 5-pin DIN connector on the rear panel.
- Connect the IEC mains lead supplied to the rear mains inlet.
- If controlling via DMX, connect the incoming DMX control signal via the 3-pin or 5-pin XLR labelled DMX IN.
- Connect any further DMX equipment to the relevant XLR outlet labelled DMX OUT.
- Set the DMX start address using the rear control panel.
- Switch the mains power on and the machine will begin to heat up and display "**Warming up**". Heat up time for fog effect is usually between 8-10 minutes. When the machine is ready for use "**Ready to fog**" will be displayed.
- During prolonged use, periodically check that the fluid level is not empty.
- Switch off when not in use. Unplug from mains if not in use for long periods.
- This unit is fitted with a failsafe to prevent damage to the pump and heater when the fluid levels are exhausted. When the screen displays "**No Fluid**" you need to reset the unit before topping up and using again.



Warning: There will be hot surfaces on the housing even after the machine is switched off

Menu display instructions:

- On start up the display will read "**Warming Up**", when it is ready to fog it will display "**Ready To Fog**"
- **Interval Set:** Fog interval timing set up (1-200s)
- **Duration Set:** Fog duration timing set up: (1-200s)
- **DMX 512 Add:** DMX address setup (1-512)
- **Volume Out:** Select the required fog volume (1-100)
- **Red Colour:** Select the required brightness (0-253)
- **Green Colour:** Select the required brightness (0-253)
- **Blue Colour:** Select the required brightness (0-253)
- **Glint:** Select strobe effect - slow to fast (0-255)
- **Skip:** Select colour skip speed - slow to fast (0-255)
- **Gradual:** Select colour fade speed - slow to fast (0-255)

Wireless remote control:

- R:** Red LED control
- G:** Green LED control
- B:** Blue LED control
- FOG:** Press and release for fog on demand



DMX operation:

Channel	Value	Content
CH1	0-5	No fog
	6-255	Fog low to high
CH2	0-5	Invalid
	6-255	Red LED low to high
CH3	0-5	Invalid
	6-255	Green LED low to high
CH4	0-5	Invalid
	6-255	Blue LED low to high
CH5	0-5	Invalid
	6-255	Strobe effect slow to fast

CH6	0-5	No LED effect
	6-127	LED color changing mode
	128-255	LED gradual change mode
CH7	0-255	LED effect speed slow to fast

Specifications:

Power supply	230Vac, 50Hz (IEC)
Fuse	F10A
Heating element	2000W
Reheat time	5 to 6 mins (approx.)
Fog output (approx.)	72,000 Cu Ft (1133m ³)/ min
Tank capacity	5.5 litres
LED power	3W x 6pcs
RF Remote frequency	433MHz
DMX connection	XLR (3-pin/5pin) in/out (6-channel)
Dimensions	550 x 280 x 280mm
Weight	10kg

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 in IEC connector and fuse in plug top
	If fuse blowing repeatedly, refer to qualified service personnel
Ready message is on but no fog output	Check fog fluid level
	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
No response to DMX	Check that XLR leads are connected properly
	Check that DMX signal is OK by testing on other equipment
	Check the DMX settings are set to the correct address
	Ensure that the other remote control is not overriding DMX
No LED output	Check LED settings on rear control panel
	Check LED is not switched off on RF 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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