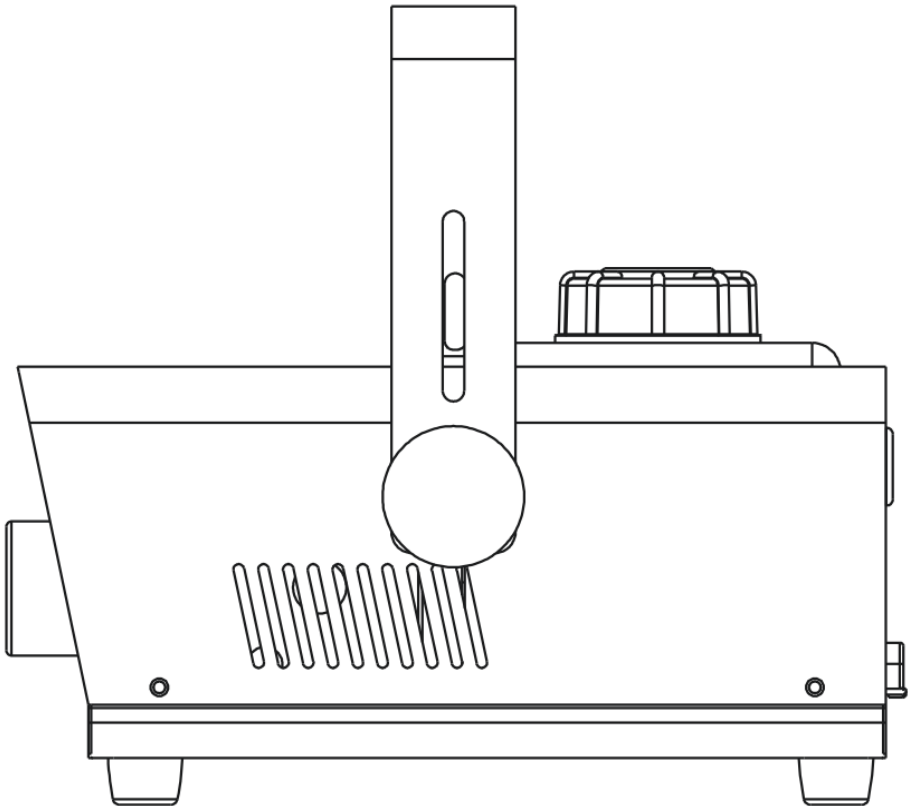# QTFX-900 mkII

## Fog Machine

Item ref: 160.463UK

User Manual

## Introduction

Thank you for choosing the QTFX-900 mkII as part of your stage effects system. This machine is designed to provide generous fog output and reliable service for medium sized venues. Please read these instructions fully to achieve the best results and avoid damage through misuse.

## Unpacking

Your QTFX-900 mkII should reach you in good condition and should be supplied with IEC mains lead(s), mounting bracket, wireless controller with remote and wired handheld remote. 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-900 mkII 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 the case.
Allow the QTFX-900 mkII to acclimatize to room temperature before operating.
Refer all servicing to qualified service personnel.

## Placement

The QTFX-900 mkII has a built-in fluid tank and should be operated in an upright position. If free-standing, ensure that the QTFX-900 mkII is positioned on a stable, non-slip surface. If mounted at height, use the integral bracket and it is advisable to add a safety cable.
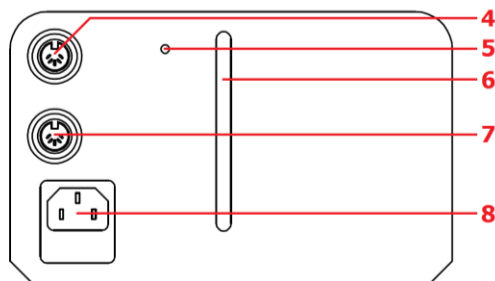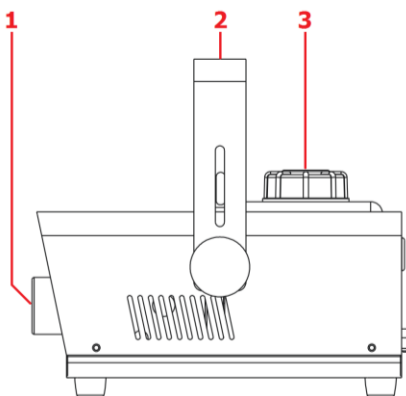
## Safety

- Check for correct voltage and condition of IEC lead before connecting to power outlet
- Check the condition of the remote lead and ensure that it is not trapped
- This unit must be earthed
- This unit uses a heating element - do not touch the 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

## Layout and connections



1. Fog output nozzle
2. Mounting bracket
3. Fog fluid tank
4. Wired remote control connection

5. Fluid low warning LED
6. Fluid level indicator
7. RF remote control connection
8. Mains inlet IEC & fuse holder
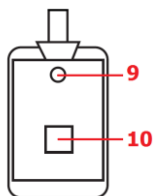
## Setting up and operation

The QTFX-900 mkII 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
- Select either wired or RF remote control and connect to the appropriate socket (4, 7)
- Connect the IEC mains plug
- Check the fog fluid level indicator at the rear and fill if necessary
- Switch the mains power on
- Heat up time is approximately 3-6 minutes. Please ensure that the remote button is not pressed during the heat up time.
- If fluid level is empty, the heater will shut down and the Fluid Low LED will light
- Switch off when not in use.
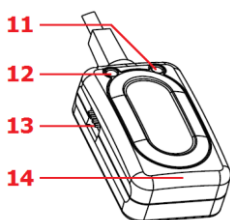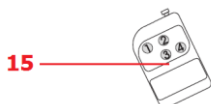- Unplug from mains if not in use for long periods

**Wired remote control**



9. Ready to fog indicator
10. Fog button (release to stop)

- When the machine is ready to operate, the light on the remote control will illuminate.
  You may now press the button for fog on demand.
- When the remote control light is off, the QTFX-900 mkII needs time to re-heat.
  Do not attempt to produce fog until the light is lit.

**RF remote control**



11. Heating LED
12. Ready LED
13. DIP switches
14. RF remote receiver
15. RF remote transmitter

- There is a group of 4 DIP switches on the side of the RF controller to select the group
  Use only 1 switch at a time on any machine – more than 1 machine can be in a group

  DIP switch 1 ON (2, 3, 4 OFF)= group 1
  DIP switch 2 ON (1, 3, 4 OFF)= group 2
  DIP switch 3 ON (1, 2, 4 OFF)= group 3
  DIP switch 4 ON (1, 2, 3 OFF)= group 4

  The provided wireless fob transmitter has 4 buttons to actuate any of the groups
- Heat up time is approximately 3-6 minutes. Please ensure that the remote button is not
  pressed during the heat up time
- When the machine is ready to operate, the "Ready" LED will light on the RF receiver
  You may now press the relevant group button for fog on demand
- When the "Heating" LED is lit, the QTFX-900 mkII needs time to re-heat.
  Do not attempt to produce fog until the light is lit.

**Specifications**

| Power supply | 230Vac, 50Hz (IEC) |
|---|---|
| Power | 900W |
| Reheat time | 4 min (approx.) |
| Fog output (approx.) | 10,000 Cu Ft (283m³) / min |
| Tank capacity | 1.3l |
| Remote control frequency | 433MHz |
| Dimensions | 235 x 180 x 111mm |
| Weight | 4.05kg |

**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 |
| | If fuse blowing repeatedly, refer to qualified service personnel |
| Wired remote light not lighting | Check remote is connected properly |
| | If light is permanently off, refer to qualified service personnel |
| No LEDs lit on RF receiver | Check remote is connected properly |
| | If LEDs permanently off, refer to qualified service personnel |
| No RF control | Check correct DIP switch setting |
| | Check transmitter battery |
| Remote light is on but no fog output | 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**

Please disposal of the unserviceable device according to the current statutory requirements.

*Errors and omissions excepted.*
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# 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 Littre | | | 160.562UK, 160.563UK |
| 160.576UK | 1 Litre | UV bubble fluid | Light bubbles which glow in UV light | 160.564UK |
| 160.577UK | 5 Littre | | | |

## 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 Littre | | | |

## Fog Fluid

| Stock Code | Volume | Description | Colour | Dispersion | Density | Stability | Fog colour | For use with |
|---|---|---|---|---|---|---|---|---|
| | | | | Results | | | | |
| 160.643UK | 1 Litre | Standard fog fluid | Yellow | Quick | Light | Low | White | 160.452UK, 160.453UK, 160.461UK |
| 160.582UK | 5 Littre | | | | | | | |
| 160.587UK | 1 Litre | High grade fog fluid | Orange | Slow | Medium | Good | White | or any machine up to 900W |
| 160.588UK | 5 Littre | | | | | | | |
| 160.644UK | 1 Litre | High quality fog fluid | Pink | Slow | High | Good | Thick white | 160.455UK, 160.456UK, 160.457UK |
| 160.583UK | 5 Littre | | | | | | | |
| 160.589UK | 5 Litre | Premium fog fluid | Clear | Slow | Very high | Excellent | Opaque White | or any machine 1000-1500W |
| 160.592UK | 1 Litre | Low level fog fluid | Clear | Slow | Highest | Excellent | Opaque White | 160.447UK |
| 160.593UK | 5 Litre | | | | | | | |
| 160.670UK | 20ml | Fog machine cleaner | Clear | Extends life of your fog machine | | | | All fog machines |

## Haze

| Stock Code | Volume | Description | Colour | Dispersion | Density | Stability | Haze colour | For use with |
|---|---|---|---|---|---|---|---|---|
| | | | | Results | | | | |
| 160.590UK | 1 Litre | High quality haze fluid | Clear | Slow | High | Good | Thick white | 160.458UK, 160.459UK |
| 160.591UK | 5 Littre | | | | | | | 160.462UK, 160.465UK |