

QS-300 LED FOG MACHINE

User manual

INTRODUCTION

This is one device efficiently and effectively produces high performance with several effects such as LED colour , colour change and strobe .activation via DMX512 interface and wireless remote , makes it suitable for a professional installations and high-end DJ applications.

- 3000W twin shot fog machine with LED illumination, vertical & horizontal operation
- Powerful 3000 W fogger for stage and touring applications
- Quick shut down for the amazing effects
- Output: 120,000cfm for intense, large effects
- Output nozzle with RGBAW LED illumination for impressive effect presentations
- New housing design allows upward and downward fog output
- Intelligent wireless control system with 50 m range
- USB for W-DMX connection
- Control via integrated DMX interface or user-friendly control panel
- Continuous activation via handy transmitter
- Operates on standard water-based fluid
- Large fluid tank compartment, fluid level indication
- DMX interface with 3- and 5-pin connectors
- Rugged metal housing with handles
- PowerCon input
- Great fit for rental companies
- LED: 37 x 3W RGBA (homogenous color mix)
- Output distance: Approx. 15 m
- Controlling by Wireless remote control (provided); DMX; Master/slave function;
- Dimensions: 611*403*300mm
- Approvals: CE,ROHS

TECHNICAL SPECIFICATION

Model power supply	QS-300
Power Temp	230Vac,50Hz
protection Re-heat	3000W twin shot
time Interval heating	350°C thermostat
time External LEDs	Approx.15min
Inner LEDs LEDs	Approx.15min
Output DMX channels	30PCS 4in1 120W RGBA
Tank Capacity	7PCS 4 in1 28W RGBA
	37pcs
	120,000 Cuft per minute
	13CH/6groups
	6Liters

Output period	15s 15M
Output distance	400ml/min
Fluid consumption	Yes
Wireless remote	26.5kg
Gross weight	610*400*270mm
Size	

PACKAGE CONTENTS

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

- 1) 1 X QS-300
- 2) 1 x Wireless Transmitter
- 3) 1 x User Manual

If you find any accessory is missing or the machine has arrived with any problems, please contact your local dealer at once . Do not try to fix this item yourself or you will lose the warranty. Please keep the original package and invoice for any possible replacement or return demand .

SETUP

1. Unpack the QS-300 unit.
2. Unscrew the top cap of the tank and remove to fill with the recommended smoke fluid.
3. Replace the bottle and screw the cap securely ensuring the pipe is fed down to the bottom of the bottle so a consistent flow of fluid is supplied to the machine .
4. Connect the remote control
5. Connect the Seetronic plug and power up.
6. Heat up time is usually take few minutes. Please ensure no button is pressed during the heat up time. When the machine is ready the display stopps flashing .
7. Press the fog button on the rear for 5 second so the fluid has a change to flow through the heater block making it ready to use .
8. After this you may able to use the smoke machine . It is recommended to produce smoke with small pauses in between so that the temperature is maintained and the thermostat doesn't switch off.


SAFETY INSTRUCTION

Please read the following notes carefully because they include important safety information about the installation, usage, and maintenance of this product.

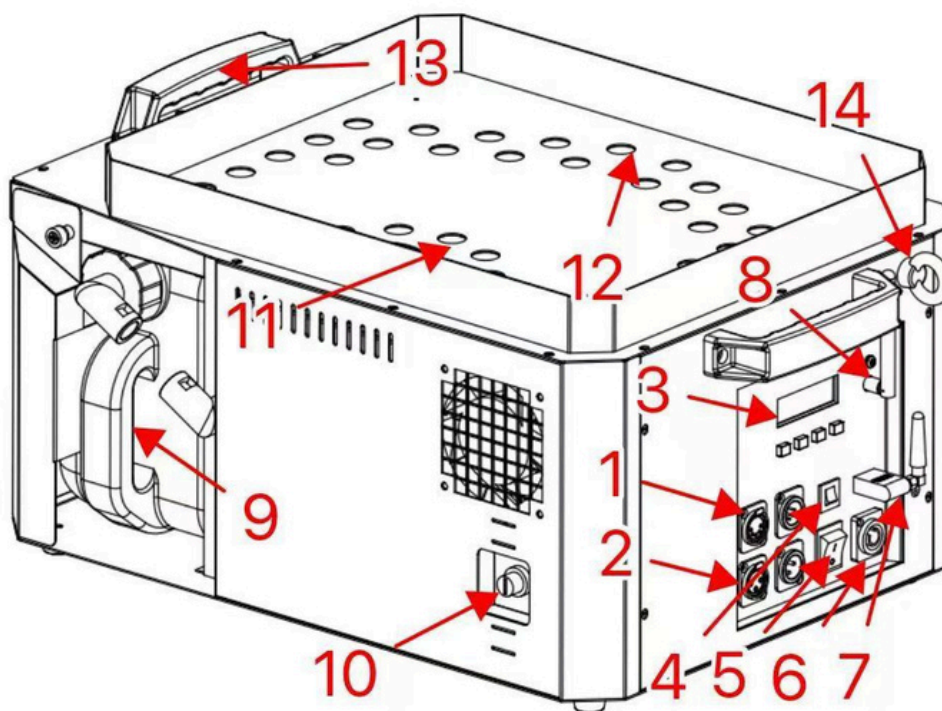
1. Always plug in the power plug last and disconnect from the mains when the device is not in use or before cleaning .
2. Do not install and operate the device in rain or extreme heat, moisture or dusty environments.
3. This device is for indoor use only and in a dry environment .
4. Do not switch on immediately but wait until it reaches to room temperature if the device has been exposed to drastic temperature fluctuations.
5. Do not shake the device and avoid brute force when installing or operatin .
6. Do not use the device during thunderstorms and please disconnect the power.
7. Do not use solvents or aggressive detergent to clean the device .Use a soft and clean cloth.
8. Do not modify the device or the connected power cord without authorisation
9. In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
10. Never drink fluid or use it on the inside or outside of a human body.
11. Make sure the power cord is never crimped or damaged.
12. Never disconnect the power cord by pulling or tugging on the cord. Avoid direct eye exposure to the light source while it is on.

CONNECT WITH POWER SUPPLY – THE GROUND WIRE MUST BE CONNECTED

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

Wire	Connection	International signal
Brown	Live	L
Blue	Neutral	N
Yellow/Cyan	Earth	

QS-300 LAYOUT



1. DMX512 input/output (5-pin)
2. DMX512 input/output (3-pin)
3. LED display and control buttons
4. Breaker
5. Power ON/OFF
6. Seetronic power in
7. USB conection for WDMX
8. Antenna
9. Fluid tank
10. Thermostat
11. Inner LEDs
12. Extnal LEDs
13. Handel Safety
14. eyelet

OPERATION

Control Panel Operation

Control Panel Description

Button MENU/SWITCH	Function
	Enters the programming mode
UP/TIMER	Navigates upward through the menu list or increases the numeric value when in a function / Timer function
DOWN/FOG	Navigates downward through the menu list or decreases the numeric value when in a function/ Fog output
SAVE/STOP	Allows to save settings or stop output

Control Options

You can set the QS-300 starting address in the 001–512 DMX range. This enables control of up to 512 products in the 1-channel personality.

Programming

Refer to the **Menu Map** to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

Preparing for Operation

To prepare the QS-300 for operation, perform the following steps.

1. Withdraw the fluid tank from its compartment and remove its cap.
2. Verify that the plastic hoses attached to the cap are in place and in good condition.
3. Pour high-standards fog fluid into the tank and replace the cap.
4. Return the tank back to its compartment in the QS-300.
5. Make sure the plastic hose entering the QS-300 from the fluid tank cap is not bent or kinked.
6. Return the container back to #1 water tank in the QS-300.
7. Connect the QS-300 to power and **Warming Up** shows on the display during the heating-up process. After approx. 13 minutes, the display changes to **READY TO FOG** when the machine is ready to output fog.

In any of the operation modes, the display must show **READY TO FOG** to output fog.

Startup

The QS-300 has an On/Off switch. Make sure that the switch is in the OFF position before plugging the QS-300 into power. To start up the QS-300, do the following:

1. Prepare for operation, as described in **Preparing for Operation**.
2. Press <FOG> to start output, press <FOG> again to stop output.
3. The output volume will be at 100% full fog output.

Repeat the startup procedure after transporting the QS-300 or after refilling with fluid

Menu Map

QS-300 Opening Screen	
WELCOME	
Wireless Setup	
WARMING UP (Only appears if QS-300 is cold)	
Loading	
READY TO FOG W	

QS-300 Functions Menu/EN

Interval:	1-200S
Duration:	1-200S
Color Select	OFF/1-20
DMX512 Add.	1-512
Wireless	ON/OFF
语言(Language)	中文/English

Configuration

To set the product in DMX mode to control with a DMX controller

1. Connect the QS-300 to power and turn power switch to ON. **WARMING UP** shows on the display during the heating-up process. After approx. 13minutes, the display changes to **READY TO FOG** when the machine is ready to output fog.
2. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.

Starting Address

The QS-300 uses up to 13 DMX channel in its DMX mode, which defines the highest configurable address to 512. To select the starting address, do the following:

1. Press <MENU> repeatedly until **DMX512 Add.** shows on the display.
2. Use <UP> or <DOWN> to select the starting address 1-512.

Make sure that the starting addresses on the various products do not overlap due to the personality setting.

Timer Mode

When in Timer mode, the QS-300 will produce fog in pre-configured time intervals defined by the **Interval Set** and **Duration Set** menu options. See the **Timer Mode Parameters** section for details about how to configure these parameters.

To operate in Timer mode, do the following:

1. Press <TIMER> and the display will show a countdown of the interval timer.
2. When the counter reaches zero (0), the QS-300 will start producing fog.
3. The fog output duration during Timer mode is set by the Duration Set menu option.
4. The fog output volume during Timer mode is set by the Timer Out menu option.
5. This cycle will repeat itself until you press <TIMER> again or until the QS-300 runs out of fluid.

Timer Mode Parameters

These parameters determine the intervals and output volume for the QS-300 while in Timer mode.

To configure these parameters do the following.

1. Press <TIMER> repeatedly until **Interval Set** shows on the display.
2. Use <UP> or <DOWN> to select the time in seconds (1–200s) between fog output.
3. Press <MENU> repeatedly until **Duration Set** shows on the display.
4. Use <UP> or <DOWN> to select the time in seconds (1–200s) for the duration of the fog output.
5. Press <MENU> repeatedly until **Timer Out** shows on the display.

Wireless Mode

The QS-300 has a wireless remote which you can control the unit from about 25m distance, then you need to do the following.

1. Press <MENU> repeatedly until **WIRELESS** shows on the display.
2. Use <UP> or <DOWN> to select **ON**.

Note: Selecting **OFF** turns off the wireless .

Wireless Emitter Description



1. ON
2. OFF
3. LED indicator

Press the ON button to turn on the continuous output from the smoke machine and the OFF button to stop all output.

If the remote is not working then you may need to pair the wireless controller with the smoke machine.

Ensure the wireless remote mode is turned on (see next section) Turn on the machine and the LCD display will show as below



During this time press and hold any button on the wireless controller until the display flashes twice to indicate a match. (Note this can take up to 12 seconds)

Once this has been done the wireless remote frequency will be stored and there will be no need to do this again.

! Important note regarding the priority level for the three types of methods used to control the operation of your unit .

If using the wireless remote controller and on board controller is touched, the on board remote controller will take priority. If using on-board controller and then connect the product to a DMX controller, the DMX will take priority control. The priority control levels are:

1. DMX 2. On board controller 3. Wireless remote controller

Menu Map

Display	Function
Interval	Set the interval time in seconds (1-200s)
Duration	Set the duration time in seconds (1-200s)
CoLoR select	Set the LED colors
DMX Add	Set the DMX Address 000 - 512
Wireless	Set the wireless remote on or off
	Select language
Language	

CH	DESCRIPTION	DMX VALUE	
CH 1	1.OUTPUT ON/OFF	0-5 OFF	6-255 ON
CH5	1.OUTPUT ON/OFF	0-5 OFF	6-255 ON
	2. LED RED	0-5 OFF	6-255 Dimming from 1 – 100%
	3.inner LED GREEN	0-5 OFF	6-255 Dimming from 1 – 100%
	4.inner LED BLUE	0-5 OFF	6-255 Dimming from 1 – 100%
	5.LED Dimming	0-5 OFF	6-255 Dimming from 1 – 100%
CH7	1.OUTPUT ON/OFF	0-5 OFF	6-255 ON
	2.inner LED RED	0-5 OFF	6-255 Dimming from 1 – 100%
	3.inner LED GREEN	0-5 OFF	6-255 Dimming from 1 – 100%
	4.inner LED BLUE	0-5 OFF	6-255 Dimming from 1 – 100%
	5.external LED orange	0-5 OFF	6-255 Dimming from 1 – 100%
	6.LED strobe	0-5 OFF	6-255 Dimming from 1 – 100%
	5.LED Dimming	0-5 OFF	6-255 Dimming from 1 – 100%
	1.OUTPUT ON/OFF	0-5 OFF	6-255 ON
CH9	2.inner LED RED	0-5 OFF	6-255 Dimming from 1 – 100%
	3.inner LED GREEN	0-5 OFF	6-255 Dimming from 1 – 100%
	4.inner LED BLUE	0-5 OFF	6-255 Dimming from 1 – 100%
	5.inner LED orange	0-5 OFF	6-255 Dimming from 1 – 100%
	6. colour mixing	0-5 OFF	6-255 colour mixing
	7.LED strobe	0-5 OFF	6-255 Dimming from 1 – 100%
	8.Color change speed	0-5 OFF	6-255 slow→ fast
	9.LED Dimming	0-5 OFF	6-255 Dimming from 1 – 100%
	1.OUTPUT ON/OFF	0-5 OFF	6-255 ON
	2.inner LED RED	0-5 OFF	6-255 Dimming from 1 – 100%
CH11	3.inner LED GREEN	0-5 OFF	6-255 Dimming from 1 – 100%
	4.inner LED BLUE	0-5 OFF	6-255 Dimming from 1 – 100%
	5.external LED RED	0-5 OFF	6-255 Dimming from 1 – 100%
	6.external LED GREEN	0-5 OFF	6-255 Dimming from 1 – 100%
	7.external LED BLUE	0-5 OFF	6-255 Dimming from 1 – 100%
	8.colour mixing	0-5 OFF	6-255 colour mixing
	9. LED strobe	0-5 OFF	6-255 Dimming from 1 – 100%
	10.Color change speed	0-5 OFF	6-255 slow→ fast

	11.LED Dimming	0-5 OFF	6-255 Dimming from 1 – 100%
CH13	1.OUTPUT ON/OFF	0-5 OFF	6-255 ON 6-255 Dimming
	2.inner LED RED	0-5 OFF	from 1 – 100% 6-255 Dimming
	3.inner LED GREEN	0-5 OFF	from 1 – 100% 6-255 Dimming
	4.inner LED BLUE	0-5 OFF	from 1 – 100% 6-255 Dimming
	5.inner LED orange	0-5 OFF	from 1 – 100% 6-255 Dimming
	6.external LED RED	0-5 OFF	from 1 – 100% 6-255 Dimming
	7.external LED GREEN	0-5 OFF	from 1 – 100%
	8..external LED BLUE	0-5 OFF	6-255 Dimming from 1 – 100%
	9. .external LED orange	0-5 OFF	6-255 Dimming from 1 – 100%
	10. colour mixing	0-5 OFF	6-255 colour mixing 6-255
	11.LED strobe	0-5 OFF	Dimming from 1 – 100%
	11 Color change speed	0-5 OFF	6-255 slow → fast
	12.LED Dimming	0-5 OFF	6-255 Dimming from 1 – 100%

! Important note regarding the priority level for the three types of methods used to control the operation of your unit.

If using the wireless remote or manual control is touched ,and then connect the product to a DMX controller, the DMX will take priority control. The priority control levels are:

1. DMX
2. Manual fog button
3. Wireless controller

Mounting

Orientation:

This fixture should only be mounted/used on a flat surface. This fixture may not be tilted.

Rigging:

It is important never to obstruct the vents' pathways. Mount the fixture using, a suitable "C" or "O" type clamp.

When selecting installation location, take into consideration the fluid reservoir access and routine maintenance.

Safety cables must always be used, utilizing the provided safety eye bolt.

Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.

Fuse Replacement

Unplug the IEC power cable before replacing the fuse! Always replace with same type of fuse.

1. Using a flat head screwdriver, remove the fuse holder from the IEC housing.
2. Remove the bad fuse from the fuse holder.
3. Insert the new fuse into the fuse holder.
4. Install the fuse holder in the IEC housing.

QUICK TROUBLE SHOOTING

If the unit is not functioning properly:

Symptom	Solution(s)
No Power	Check mains power. Check external fuse. Check internal fuse.
No fog output	Check fluid level. Check remote. If using wireless, check batteries.
Breaker/Fuse keeps blowing	Possible electrical short. Contact dealer/distributor for further instruction.
Low fog output	Run a cleaning solution through the fog machine. Check that the fog machine is plugged into the correct voltage. Check the external fuse.
Fog machine is not heating up	Check the internal fuse. Possible bad part. Contact dealer/distributor for further instruction. Make sure connector is firmly connected to device.
Remote does not work	Try using another controller. Possible bad controller. Check the internal fuse. Check the external fuse.
Fluid indicator states no fog, but the container is full.	Try resetting the fog machine by turning the power off, and then on again. Possible bad part. Contact dealer/distributor for further instruction.

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 fixture before conducting maintenance. Every 40 hours of continuous operation, it is recommended to run a cleaning solution composed of 80% distilled water and 20% distilled vinegar through the system to prevent the accumulation of particulate matter in the heating element.

The recommended cleaning regimen is as follows:

1. Empty all haze/smoke liquid from the machine.
2. Add cleaning solution to tank.
3. Plug unit in and allow it to warm up.
4. Run the unit in a well-ventilated area until the tank is almost empty. Do not allow the pump to run dry.
5. Cleaning is now complete. Refill with haze/smoke liquid. Run the machine briefly to clear any cleaning solution from the pump and heater.

Clean the external case when the fixture is cold with a dry cloth or tissue, and drag dirt and grime to the outside case.

DISPOSAL

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





LIGHTING



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