

USER MANUAL

Creeper AQ mini Low Fog Generator

V1.1
2024/06/24



SHOWVEN Technologies Co., Ltd.

Thanks for choosing SHOWVEN® CREEPER AQ mini low fog generator, we wish it will bring you lots of exciting moments.
Please read the following manual carefully before operating this product.

Δ **SAFETY CONSIDERATIONS**

- ⚠ Unauthorized repair are prohibited, it may cause serious incident.
- ⚠ Make sure power supply is consistent with the rated voltage of the equipment, and the socket must be well grounded. Unplug and turn off the machine when not in use.
- ⚠ Please keep the machine dry, do not use in rain or snow. Do not use the machine when it is wet or there is fluid leakage from the machine.
- ⚠ Do not use the machine in high temperature.
- ⚠ Installed in a well-ventilated area, ensure at least 50cm space around the machine, covering the nozzle is forbidden.
- ⚠ For adult use only, keep it away from children, fire, inflammable and explosive articles.
- ⚠ If the machine fails to work, please stop operation and unplug the machine. Check fog fluid bottle, water tank, fuse, power connection etc. carefully, if you can't solve the problem, please contact SHOWVEN® or your local SHOWVEN® partner for advice.
- ⚠ Suggest using SHOWVEN® original FX-M fog fluid, other fluid may lead to clog or malfunction.
- ⚠ In case of eye contact with fog fluid, please wash it with clean water. If fluid is swallowed, immediately look for medical advice.
- ⚠ Please do NOT add any other material such as grease, pigment, gas etc. to the fluid bottle or water tank.
- ⚠ The device shall not be altered and applied to other use purposes.

Δ **Foreword**

Thanks for choosing SHOWVEN® CREEPER AQ mini low fog generator. Please read the following manual carefully and completely before operating this product. Operating according to the instructions is very important for safety, and can prolong the service life of the machine.

Δ **Functional Characteristics**

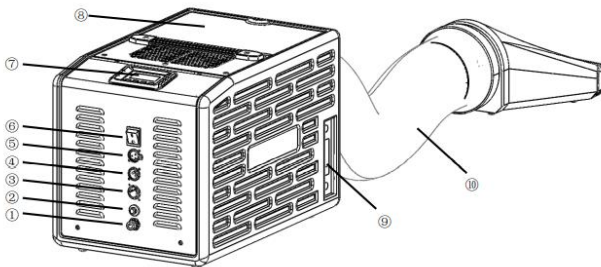
- ⚠ Water based, no need for dry ice.
- ⚠ Molded enclosure, lighter, durable as well as rustless.
- ⚠ Compact yet robust fog output.
- ⚠ Multi-optimized air supply system, ensuring farther and more uniform fog output.
- ⚠ 20 heads atomizers, guarantee thick fog output.
- ⚠ Latest rapid heating technology, 1-2min heating up time
- ⚠ Patented fog leakage prevention technology, no fog leakage even when refilling the machine while it is working

- \ User friendly LCD control panel
- \ 2L fluid tank, support 1h continuous output.
- \ Built-in water tank, support external large water tank.
- \ Wireless remote control.

Δ Technical Specifications

- \ **Model:** AQ mini
- \ **Dimension:** 460×300×324mm
- \ **Voltage:** AC200-240V, 50-60Hz / AC100-120V, 50-60Hz
- \ **Work Power:** 2000W
- \ **Heat-up Time:** Appr. 1-2min
- \ **Fluid Tank Capacity:** 2L
- \ **Water Tank Capacity:** 6.5L
- \ **DMX-512:** YES
- \ **Remote control:** YES
- \ **Output Adjustable:** 1-100
- \ **Max. Fog Output:** 10,000 cuft/min
- \ **Max. Coverage:** Appr. 200 m²
- \ **Max. Fluid Consumption:** Appr. 32ml/min
- \ **Max. Water Consumption:** Appr. 250ml/min
- \ **Continuous Output:** YES
- \ **Fully loaded Output Time:** 70+ min
- \ **Consumable:** FX-M Fog Fluid, Water
- \ **Net Weight:** 15kg
- \ **Gross Weight:** 19kg

Δ Product Overview

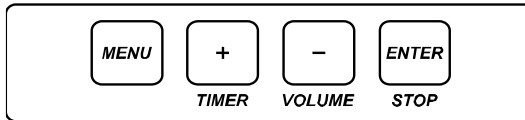


1. External water tank connection port (φ8 quick connector)
2. Fuse
3. Power Socket
4. 3-Pin DMX IN

5. 3-Pin DMX OUT
6. Power ON/OFF
7. LCD Control Panel
8. Water Filling Port, Fluid Tank
9. Liquidometer
10. Fog output pipe

Δ Operation Panel

1. LED display area



MENU: switch through setup menu;

+: Parameter up; multiplex "TIMER" (smoke output time)

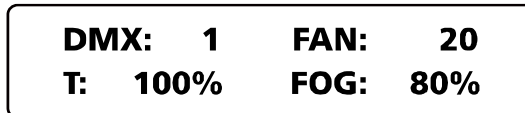
-: Parameters down; multiplex "VOLUME" (smoke output start)

ENTER: confirm and save parameters (screen will blink once parameter saved); multiplex "STOP".

NOTE: Screen will switch to main interface automatically if not press any button in long time.

Δ Interface

1. Main Interface



First Line: DMX address and Fan Speed, ":" blinks when there is DMX in signal.

Second Line: Shows machine core temperature and Fog Volume. The machine ready for operate when temperature value close to 100.

2. Error information:

Error information	Explanation
E2 Temp. Sensor	Temp. Sensor Malfunction
E3 Water Sensor	Low water level of Inner Water Tank, system is pumping water to inner water tank or liquid level sensor malfunction.
E5 Temp. Over	Circuit board malfunction
E6 Heat Fail	Heater broken or circuit board malfunction.

3. Setting Menu:

Press "MENU" switch through setup menu.

Items	Value	Explanation
DMX Address	1~512	DMX address setup
Fog Output	1-100%	Fog output volume setup
Fan Speed	1-100%	Fan speed setup
Interval Set	1-600s	Set fog output interval
Duration Set	1-600s	Set fog output duration
Wireless Set	ON / OFF	Wireless function set
语言(Language)	中文/English	Language switch
Auto Pump	ON / OFF	When it is ON, machine will pump water from exterior water tank to inner tank, and stops when the inner tank filled up. Please turn it to OFF when not use exterior water tank.
Sensor Disp	0-2	Monitoring the working ultrasonic block number

Δ DMX Channel

2 channel mode

Channel	Function
First Channel(CH1)	Fog output: DMX VALUE 6-255, fog output from 1-100. As DMX value increase, the denser the fog, the longer for dissipate.
Second Channel(CH2)	Fan speed: DMX VALUE 6-255, fan speed from 1-100. As DMX value decrease, the better the fog stick to the ground but spread slower.

Δ Wireless Control

Wireless control is used to remote control the machine. Before use the wireless function please make sure machine was ready, wireless status was ON, and no DMX cable connection.

Remote controller:

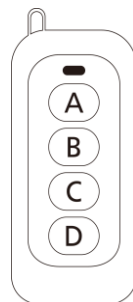
A. Fog output START

B. Fog output STOP

Remote control is optional configuration.

When wireless controller is not working properly, please switch to the Wireless Control menu, set it into ON status, and press ENTER key to save the change.

When machine on Wireless Control interface, operator can match the CREEPER AQ mini with remote controller by pressing any key on remote controller for 1s, the machine screen flash once means match was finished.



Δ Operation

1. Installation

Check the machine and accessories, ensure it is in good status. Place the machine on a flat surface, tilting may result in inaccurate water level alarm.

2. Fill the machine with FX-M fog fluid

Fill the liquid tank with FX-M Pro medium fog fluid. Please use original fog fluid from SHOWVEN®, Warranty will be void if any other type fog fluid is used.

3. Power ON Creeper AQ mini

- ① Connect the machine to suitable rated power supply. Please ensure power supply meets the requirement. Always connect the machine to a protected circuit and ensure it is properly grounded.
- ② Turn on the machine, it heat up automatically, and shows "WARMING UP" on LCD screen.

4. Fill the water tank

Method 1:

Open the lid of "water filling port", fill the water tank with pure water, please pay attention to the water level show on liquidometer, stop filling when it is reached the black line. Or until the water shortage alarm on LCD screen disappear.

Method 2:

Use $\phi 8$ tubes connect with external water tank connection port on machine, and the other end put into exterior tank, press MENU enter setup interface, find the "Auto Pump" and switch it in to ON status, press ENTER key to save the change. Machine will filling the inner water tank automatically, just keep the water in exterior tank is enough for the show. When not use exterior tank, please do set the "Auto Pump" to OFF status.

5. Setting

Once the machine has reached operating temperature, temp., fog output and fan speed will show on the screen, please adjustable it accordingly.

If use a DMX to firing, please also set the DMX address and connect with a DMX cable.

6. Firing

Press "-" (VOLUME) to start generate low fog, press "ENTER" to stop.

If use DMX console control, please follow the previously introduced DMX channel information to firing the machine.

7. Power OFF and clean up

- ① To turn off the machine, please POWER OFF and unplug the power cable.
- ② Please empty the fluid tank and wash the pipe system with distilled water (put distilled water in fog fluid tank and firing for few minutes).
- ③ For transportation or not use for a long time, please drain the water inside machine from fog output nozzle.

Δ **Maintenance**

1. Use SHOWVEN® original fog fluid FX-M.
2. Check the filter in fluid tank before each show, clean or replace it when it is necessary.
3. Running the machine at least once per month.
4. Clean machine regularly avoid dust, liquid accumulate on the machine.
5. Whenever storage or not use the machine for a period of time, please use distilled water to wash the pipe system by filling the fluid bottle with distilled water and firing the machine several minutes.
6. Whenever storage or not use the machine for a period of time, please drain the machine and keep it dry.

Δ **Warranty Instructions**

- ∨ Sincere thanks for your choosing our products, you will receive quality service from us.
- ∨ The product warranty period is one year. If there are any quality problems within 7 days after shipping out from our factory, we can exchange a brand new same model machine for you.
- ∨ We will offer free of charge maintenance service for machines which with hardware malfunction (except for the instrument damage caused by human factors) in warranty period. Please don't repair machine without factory permission.

Below situations NOT included in warranty service:

- ∨ Damage caused by use other type of fog fluid which is not SHOWVEN® FX-M.
- ∨ Damage caused by improper transportation, usage, management, and maintenance, or damage caused by human factors;
- ∨ Disassemble, modify or repair products without permission;
- ∨ Damage caused by external reasons (lightning strike, power supply etc.)
- ∨ Damage caused by improper installation or use;

For product damage not included in warranty range, we can provide paid service. Invoice is necessary when applying for maintenance service from SHOWVEN®.

SHOWVEN[®]



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