

# **USER MANUAL**

## **P-H3 Haze Generator**

V3.0

2022/05/03



**Showven Technologies Co., Ltd.**

Thanks for choosing SHOWVEN P-H3 haze 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.
- ✖ Before connecting machine to power, make sure power supply is consistent with the rated voltage of the equipment. Always connect to a grounded circuit to avoid risk of electric shock.
- ✖ Disconnect the machine from AC power when not in use.
- ✖ This product is not waterproof design, please keep it dry, please do not use it when there are fog fluid leakage or wet from rain.
- ✖ No user serviceable and modifiable parts inside the machine, never try to repair or modify this product, unauthorized technician may lead machine to damage even risk of cause fire.
- ✖ For adult use only, keep it out of reach of children, and away from fire, inflammable and explosive articles.
- ✖ Installed in well ventilated area, ensure at least 50cm space around the machine, cover of the nozzle is forbidden.
- ✖ Never use the machine under high temperature.
- ✖ Never fill the fluid tank with flammable liquid such as grease, gas, perfume etc.
- ✖ If the machine fails to work, please stop operation and unplug the machine. Check fog fluid, fuse, power connection etc. carefully, if can't solve the problem, please contact SHOWVEN or your local SHOWVEN partner for advises.
- ✖ Haze generator are very sensitive to the fluid it use, ONLY use SHOWVEN original FX-HF fog fluid. Other brand fluid easier cause block of machine.
- ✖ Fog fluid is not drinkable, if swallowed immediately look for medical advice. In case of eye contact of fog fluid, please wash it with clean water.

## Δ Description

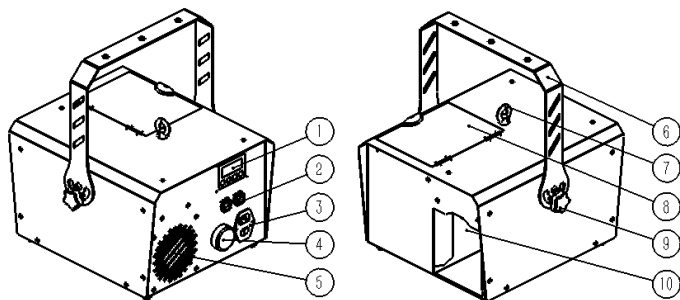
P-H3 is a compact and powerful water-based Haze Generator, adopts new generation of quiet technology ensure lower noisy even with large air volume. DC fan design for durable use and stable output. Hidden fluid tank makes the structure of machine more beautiful and artistic. It is a perfect option for nightclub, theater, small to middle scale shows etc.

## Δ Technical Specifications

- ✖ **Model:** P-H3
- ✖ **Dimension:** 360×300×230mm
- ✖ **Weight:** 11kg
- ✖ **Power:** 1500W
- ✖ **Heat-up time:** 4min
- ✖ **Output adjustment:** 1-100
- ✖ **Continuous output:** YES

- ❖ **Fog fluid consumption:** Appr.15ml/min
- ❖ **Fog output:** 6000cuft/min
- ❖ **Tank capacity:** 5L
- ❖ **Control:** DMX, wireless remote
- ❖ **Consumable:** FX-HF

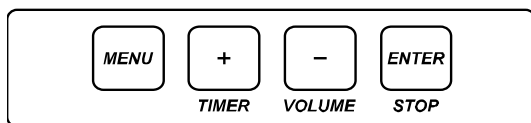
## Δ Structure of P-H3



- ① LCD Screen
- ② 3-pin XLR
- ③ 3 in 1 power socket (power switch, circuit breaker, power socket)
- ④ Wireless receiver
- ⑤ Cooling Fan
- ⑥ Hanger
- ⑦ Safety loop
- ⑧ Fluid tank cover
- ⑨ Hanger screw
- ⑩ Output Nozzle

## Δ Operation Panel

### 1. Control button area



**MENU:** switch through setup menu;

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

- : Parameters down; multiplex "VOLUME" (smoke output start when in main interface)

**ENTER:** confirm and save parameters (screen will blink once when save successfully); multiplex "STOP"

**NOTE:** Screen will switch to main interface automatically if not press any button in about 10s.

### 2. Main Interface

DMX:1	FAN :30
T : 100%	FOG :50

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

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

### 3. Error Information

Error information	Explanation
E2 Temp. Sensor	Temp. Sensor Malfunction
E5 Temp. Over	Circuit board malfunction
E6 Heat Fail	Heater broken or circuit board malfunction.

### 4. Setting Menu

Press "MENU" switch through setup menu.

Items	Value	Explanation
DMX Address	1~511	DMX address setup
Interval Set	1-200s	Set haze output interval
Duration Set	1-200s	Set haze output duration
Fog	1-100%	Haze output volume setup
Fan	1-100%	Fan speed setup
Wireless Set	ON / OFF	Wireless function set
Language	中文/English	Language switch

### Δ DMX control

P-H3 occupies two DMX channels.

Channel	Function
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CH1	Haze output: DMX VALUE 6-255 corresponding to haze output from 1-100. The larger the DMX value the more the haze
CH2	Fan speed: DMX VALUE 6-255 corresponding to fan speed from 1-100. The faster the speed the better the diffusion of haze

## 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. Please match the remote control with machine before use. MENU – Wireless Control – set to ON – press any key on remote controller to machine the machine with remote. The screen will blink once if match successfully.

Remote controller:

[A]: Haze output START

[B]: Haze output STOP

Remote control is optional configuration.

## Δ Operation

1. Check the machine and accessories, ensure it is in good status. Place the machine on a flat surface or hanging on truss horizontally.
2. Fill the liquid tank with SHOWVEN FX-HF fog fluid. Please use original fog fluid from SHOWVEN, Warranty will be void if any other type fog fluid is used.
3. 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.
4. Turn on the machine, it heat up automatically, and shows "WARMING UP" on LCD screen.
5. Once the machine has reached operating temperature, temp., fog output and fan speed will show on the screen, please adjustable it accordingly.
6. Press "VOLUME" to start making haze, press "STOP" to stop.
7. To turn off the machine, please POWER OFF and unplug the power cable.

## Δ FAQ

### 1. Fluid spill

Fluid spill because heat can't effectively transmit to fog fluid, leads to insufficient atomization of the fog fluid in the heating pipe.

**Possible Reasons:**

Use low quality fog fluid instead of SHOWVEN original fog fluid.

Use inappropriate fog fluid. For different types of fog fluid, the atomization temperature is different.

## **2. Heating block pipe clog**

Early symptom for heating aluminum pipe clog is fog fluid spill caused by insufficient atomization. Use other brand fluid or not make regular maintenance for a long time will definitely leads to pipe clog.

**Solution for above problem:**

Use SHOWVEN original fog fluid.

Make regular maintenance at least once per month. Use 35% vinegar with 65% distilled water to wash the pump and pipe system by running the machine 10-15 times.

## **Δ Maintenance**

1. Before storing or not use the machine for long time, run distilled water through the system to help avoid condensing the pump or heater.
2. To keep the best status and performance of machine, it is recommended to running the machine at least once per month.
3. Make regular maintenance at least once per month. Use 35% vinegar with 65% distilled water to wash the pump and pipe system by running the machine 10-15 times. For high frequency uses it is highly suggest to make more frequent maintenances.

## **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 originally from SHOWVEN;
- \\ 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<sup>®</sup>



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