

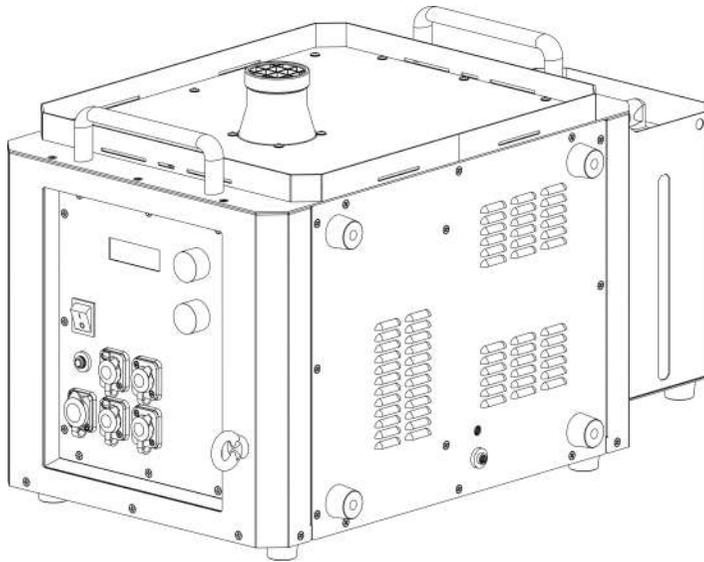
## LED FOG MACHINE USE MANUAL

In order to let the customers use our series production more easily and safely, it is better to read the instruction before using our series production.

Please obey the regulation in the manual.

We are not responsible for the error operation which is out off the manual.

# LED FOG MACHINE



Please read the manual before use the machine

### 1. Regulations:

◆Before using, please makes sure power supply is rated voltage.

Please check against the voltage parameter which is on the backboard of the smoke machine whether is matched in the using place.

◆Smoke machine must be placed at the ventilation place of indoor, but not where is the air flow less, otherwise the fuse will be broken and the machine can not heat up.

◆Before refilling the smoke liquid, please shut down power supply.

Before refilling, please pay attention that the smoke liquid can not flow into machine inner part, or electric circuit will break.

◆The smoke machine must be put in level, can not be slant or upside down.

◆The supply and unplug should be turn off after using.

◆The smoke machine is un-waterproof, if some vapor or smoke liquid enter the inner part of machine, please shut down power supply immediately and contact with your supplier.

◆The machine do not have any maintain tools for person. Please do not reset machine and open the machine structure by yourself in order to avoid any danger.

### 2. In order avoid any fire or danger, please do follow below instruction:

◆This machine is only for adult. Please keep it far away from the children.

◆Do not spray to human body directly and keep it far away from the inflammable and explosive goods.

◆Do keep the spray nozzle between target more than 5 meters when using, as the output smoke temperature is very high.

The max temperature of machine surface may reach 40-80°C, please do not touch.

◆The smoke machine should be put in the good ventilated place. Do not cover the whole machine with any thing, it will cause the heating emanation out of working, and may catch fire as too high temperature.

◆Do not let the machine get in touch with the ground in carpet and wood. Keep the machine with ground more than 50cm in vertical and do not put any inflammable and explosive goods around 300cm.

◆Usually, the fog machine can not be hanged up. If hang up working is needed, please fix the machine hard and in balance by the attached tool with the machine. In this case, around 2m<sup>2</sup> in vertical, please do not put any inflammable and explosive goods and guarantee air flow in good condition.

◆Can not add any easy burning liquid in oil tank, such as oil, gas or any flavor.

### **3. Other notice:**

◆Put the machine on a level place, take oil tank out from machine and open, and then refill the high quality haze liquid inside. In order to keep the haze liquid cleaning, please immediately cover the tank after refilling the haze liquid.

◆The power cable should put in the out let with earth wire, and then the haze machine is heating up immediately..

◆Always check the leavings of liquid, if the machine under running without any liquid, it must be broken.

◆In cast, the smoke less, the pump more noise, or smoke can not spray, please cut off the power supply immediately, check fog liquid quantity, fuse, remote control and the power supply plug.

If the problem still can not be solved, please contact with your supplier..

### **Maintaining:**

Please clean the machine clearing you regularly, it will reduce spare parts replacing and repairing expenses.

Please clean dust in the heat-proof tube by 20% vinegar and the 80% distilled water after the machine running 40 hours.

◆Take out the haze liquid out, and refill the above cleanings, contact power supply then warm up machine.

◆Keep it working until the cleanings running out in the enough space.

◆All haze machines will be jammed or pump damaged by the no good haze liquid or duty haze liquid. If so, maintains will not available.

◆Please clean machine by dry cloth, and story it under clean condition.

Operation notice:

◆All haze machines have condensation function, before setting the machine, please considerate whether spraying nozzle condense the water vapor or dampness around.

◆Occasionally the haze machines will have a little haze output during/after working.

◆Normally, less vapor or haze may happen when the machine working first time.

### **4. Opening the package and inspection the machine:**

When opening he machine please make sure all the parts are included for proper operation, and check if there is any damage caused by the transportation.

Shall you find any defects please do not plug in the machine, make sure to contact your supplier.

## Product Information

### 1.Specifications

Voltage: AC 220/50Hz

Power consumption: 3800W (±10%)

Heat-up time: 7-8 minutes(±1minute)

Output time: 8 seconds

Fuse: 20A

LED: 5W x 30pcs (RGBA 4in 1)

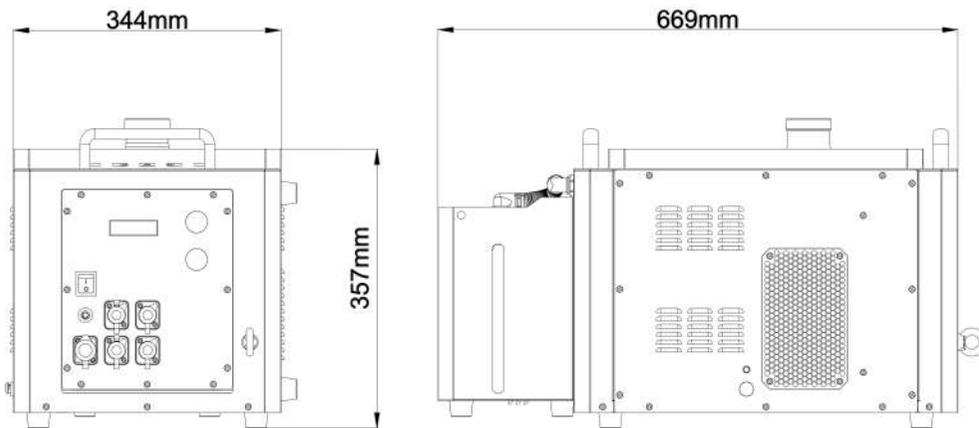
Liquid capacity: 6L

Control: Manual control and DMX512 control

DMX mode: 4CH mode / 8CH mode / 12CH mode

Weight:30.8KG

### Dimensions:



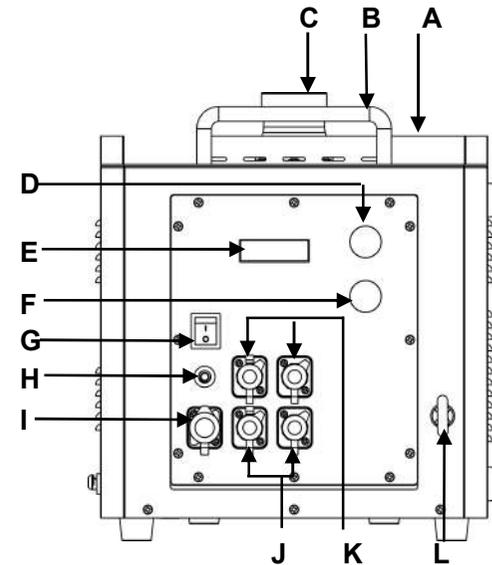
### Delivery Contents

- 1pc x Machine
- 1pc x Power cable
- 1pc x User Manual

### Notice:

If the product shows any mishandling ( box or the contents been damaged) from shipping, notify the carrier, not products, in order to validate your claim immediately.

## 2. Product illustration



**A:** LED

**B:** Handle

**C:** The nozzle for Output smoke

**D:** LCD control panel: **VOLUME** Rotate Knob

**E:** LCD display screen

**F:** LCD control panel: **TIMER** Rotate Knob

**G:** Power switch

**H:** Fuse: 20A

**I:** Power input

**J:** 5pin DMX Output / Input

**K:** 3pin DMX Output / Input

**L:** Install ring

### 3. Installation

#### 3.1 Set-Up:



**Installation of the device must be handled by a familiar with the hazards and the relevant regulations qualified persons.**

Only authorised persons may carry out work with the machine.

Do not use the machine if there are people or animals in the direct output

Make sure there are no objects in the direct output that can be damaged by the machine. (e.g. by getting wet).

Make sure that children unauthorised people can animals do not obtain access to the machine.

Do not connect more units to a single electrical circuit than the installed fuse is able to handle.

Do not remove any safeguards, safety caps and safety symbols.

All required safety devices must be in good condition and function properly.

Ensure sufficient lighting of the surroundings.

Keep the workplace clean.

#### 3.2 The machine must be used in surroundings that:

Have a stable temperature of between 0 °C to 50°C.

Have a relative humidity degree between 20% to 90% (non condensing)

Are free of dust, corrosive gases and high concentrations of organic vapours.

Are not situated in the vicinity of a source of vibration.

3.3 The machine is designed for indoor and outdoor use.( The machine is designed for outdoor use and use in well-ventilated indoor spaces.)



#### WARNING

Please operate the machine on a flat, level hard and well ventilated surface area, reserve at least 50cm space around the machine and make sure there is no flammable gas or material nearby



#### CAUTION

**The machine is water splash resistance, do not expose the machine to poor drainage environment or soak in the water.**

### 4. Operation instructions

#### 4.1 CONNECT POWER

1) Connect a power cable to the Power input.

2) Connect the other end of the cable to the Power supply.

**CAUTION:** Do not connect more units to a single electrical circuit that the installed fuse is able to handle.

#### 4.2 FILL UP THE EMPTY CAPACITY WITH FOG LIQUID.

1) Used for high quality fog Liquid for this unit.

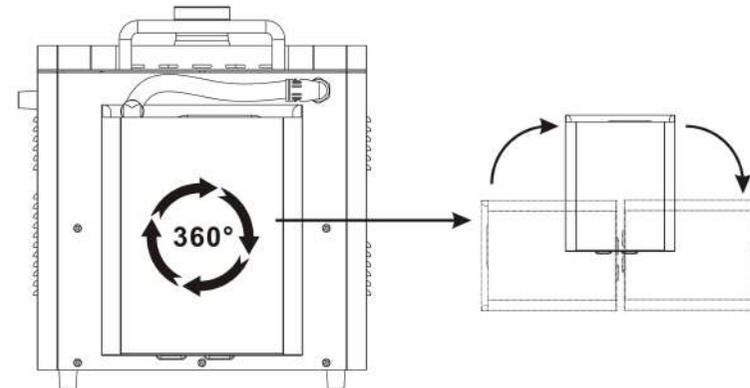
2) Always follow the instructions as noted on the fog liquid bottle.

3) Fill up 5L to 5.5L fog liquid into the tank.

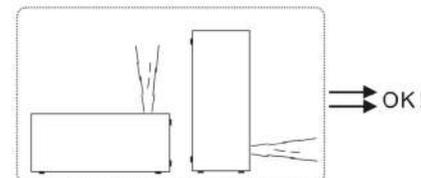
4) Connect the fog lid with hose on the bottle.

5) Fluid tank installation illustration

The position of tank installation angle can be adjustment following the machine output angle. The finally that fixed the position from screw after adjustment.



Operating Direction: Vertical and Horizontal

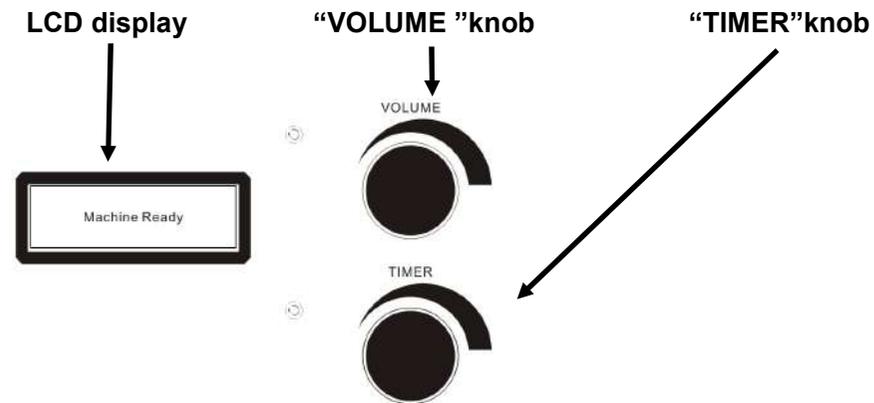


### 4.3 Machine operation instruction

- On startup the LCD will show software type “**version: V0.1**”
- The unit is heating up, the LCD display shows “**Heating (0% to 100%)**”  
That will need about 7 to 8 minutes.
- After the unit has heated up the LCD display will show “**Machine Ready**”

### 4.4 LCD display control panel description

#### 1) Control panel



#### 2) Menu and Setting

- Setting

Rotate Knob	Operating Method	Action
“VOLUME” knob (Top)	Press and Hold for 3seconds	Enter Setting Menu
“VOLUME” knob (Top)	Rotate	Scroll Through Menus
“TIMER” knob (Bottom)	Rotate	Adjust for Preferred Value
“TIMER” knob (Bottom)	Press once	Return to Previous Page

- Menu instruction

Operation	Menus display	Sub-menu display
<b>DMX address setting</b>	DMX Address Set:	1-512
<b>DMX mode selection</b>	Channel Mode:	4CH
		8CH
		12CH
<b>TIMER MODE interval</b>	Timer Interval:	30 - 600S
<b>TIMER MODE duration</b>	Timer Duration:	1 - 8S
<b>Select colour of LEDs</b>	Color Settings	AUTO
		OFF
		1-14
<b>Protect function ON/OFF (during in fluid used out)</b>	Sensor Set :	ON
		OFF
<b>Set LCD display screen Backlight</b>	LCD Backlight	ON
		OFF

**Notice:** “**LCD Backlight OFF**”, the LCD display screen will close after 20 seconds. But will activation after press any buttons on display panel.

#### 3) Machine Status with LCD Display

LCD display show	Machine status instruction
version: V0.1	Software type
Heating (0%-100%)	Machine on heating up
Machine Ready	Ready to fogging
Manual Output Colour: AUTO	Running at MANUAL MODE
Interval: 30S Duration: 8S	Running at TIMER MODE
DMX-512 Add: 1	DMX in use

#### 4.5 MANUAL MODE

Activate fogging

Rotate Knob	Operating Method	Action
“VOLUME” knob (Top)	Press once	Activate/Deactivate Fogging
“TIMER” knob (Bottom)	Rotate	Select colour of LEDs

Notice:

- 1)The LED colour will show in the smoke output.
- 2) Activate fogging, the LCD display show:

**Manual Output**

**Colour: AUTO**

- 3)Select colour of LEDs, used on “**TIMER knob (bottom)**”.

The Sub-menu:

- “**AUTO**”, it means LED effect auto running by 14pcs color.
- “**OFF**”, it means LED effect off.
- “**1~14**”, it means LED effect colour have 14pcs.

#### 4.6 TIMER MODE

- 1) Activate fogging

Rotate Knob	Operating Method	Action
“TIMER” knob (Bottom)	Press once	Activate Fogging
“TIMER” knob (Bottom)	Press once	Deactivate Fogging

Notice: The LED colour will show in the smoke output.

Activate fogging, the LCD display show:

**Interval: 30S**

**Duration: 8S**

- 2)Menu and Setting please refer operation of “**4.4 LCD display control panel description**”

#### 4.7 DMX MODE

1) Operating in a DMX control mode environment gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently.

2) Connect the DMX output to the DMX input of the following DMX-controlled unit; connect its output again to the input of the following unit, etc. until all DMX-controlled units have been connected in a chain. Then used DMX controller to control machine.

The LCD display show

**DMX-512 Add: 1**

Notice: Adjust DMX address from **1** to **512**, used on “**TIMER knob (bottom)**”

- 3)Selection the DMX mode: 4CH mode / 8CH mode / 12CH mode

- Please refer operation of “**4.4 LCD display control panel description**”.

4)The LED effect of channel 3 is same for **4CH mode,8CH mode and 12CH mode**. The 14pcs LED effect colour detail:

DMX channel	Channel values	Function
<b>CH3</b>	0-9	LED OFF.
	10-19	Red
	20-29	Green
	30-39	Blue
	40-49	Amber
	50-59	Red and Blue
	60-69	Green and Blue
	70-79	Green and Amber
	80-89	Red and Amber
	90-99	Red and Green

DMX channel	Channel values	Function
CH3	100-109	Red, Green and Blue
	110-119	Green, Blue and Amber
	120-129	Red, Blue and Amber
	130-139	Red, Green and Amber
	140-149	Red, Green, Blue and Amber
	150-255	Auto running 14pcs effect Speed from slow to fast.

#### 5)DMX function

##### • 4CH mode

DMX channel	Channel values	Function
CH1	0-9	Smoke off
	10-255	Smoke output 100%
CH2	0-255	Master dimmer from 0% to 100% Need worked together with other channel
CH3	0-9	LED off
	10-149	LED effect,operation refer14pcs LED effect colour detail
	150-255	LED effect auto running
CH4	0-9	Strobe Closed
	10-255	Strobe, speed from slow to fast. Need worked together with other channel

##### • 8CH mode

DMX channel	Channel values	Function	Require
CH1	0-9	Smoke off	
	10-255	Smoke output	
CH2	0-255	Master dimmer from 0% to 100% Need worked together with other channel	
CH3	0-9	LED off	
	10-149	LED effect,operation refer14pcs LED effect colour detail	
	150-255	LED effect auto running	
CH4	0-9	Strobe Closed	
	10-255	Strobe, speed from slow to fast. Need worked together with other channel	
CH5	0-255	Red dimmer from 0% to 100%	The values of CH3≤9.
CH6	0-255	Green dimmer from 0% to 100%	
CH7	0-255	Blue dimmer from 0% to 100%	
CH8	0-255	Amber dimmer from 0% to 100%	

- 12CH mode

DMX channel	Channel values	Function	Require
CH1	0-9	Smoke off	
	10-255	Smoke output	
CH2	0-255	Master dimmer from 0% to 100% Need worked together with other channel	
CH3	0-9	LED off	
	10-149	LED effect,operation refer14pcs LED effect colour detail	
	150-255	LED effect auto running	
CH4	0-9	Strobe Closed	
	10-255	Strobe, speed from slow to fast. Need worked together with other channel	
CH5	0-255	The inner ring of Red dimmer from 0% to 100%	The values of CH3≤9.
CH6	0-255	The inner ring of Green dimmer from 0% to 100%	
CH7	0-255	The inner ring of Blue dimmer from 0% to 100%	
CH8	0-255	The inner ring of Amber dimmer from 0% to 100%	
CH9	0-255	The outer ring of Red dimmer from 0% to 100%	
CH10	0-255	The outer ring of Green dimmer from 0% to 100%	
CH11	0-255	The outer ring of Blue dimmer from 0% to 100%	
CH12	0-255	The outer ring of Amber dimmer from 0% to 100%	

## 5. Special information instruction.

### 5.1 The function of Electronical Fluid-level-sensor(TCO) :

◆Machine have protect function.

When the liquid use out on working status, the machine will continue to work in the not liquid state about 3 minutes, the function of Electronical Fluid-level-sensor(TCO) will open, it will control machine stop working to protect. And the LCD display will show flash “**Beware: No Liquid!**”,the tank LED Indicator is Red at the same time. It means the liquid use out and machine stop working.

◆After protection, **Reset the machine working.**

- 1) Turn off the machine power immediately.
- 2) Refill liquid to tank.
- 3) Connect power supply again, wait a moment till the machine is fully preheating is finished.
- 4) Press once“**VOLUME” knob (upon)**”, or by using DMX control output100%, and the machine can working.

**Notice:** The function of Electronical Fluid-level-sensor(TCO), it's the extra protect function for machine. In order to machine can be have long-term work, please pay more attention for the liquid use.

### 5.2 Please don't set sensor to “OFF” when the protection no have problem.

“**Sensor Set: ON**”. This means the protection function is ON, when machine inspection that working without liquid a long time, it will stop working to protect machine.

“**Sensor Set: OFF**”, it means the protection off.

When the machine working without fog liquid. Please stop working, if no, the machine will broken on this status.

### 5.3 SIMPLY TROUBLESHOOT SOLVE:

1) When the LCD display show flash of “**Temperature is too HIGH**”.

That possible machine is too high temperature, please power off to cool down.

2) When the LCD display show flash of “**Temperature sensor error**”.

That possible the connect cable of heater was falling off. Please fixed it.

3) When the LCD display show flash of “**Sensor falling off !!!**”.

That possible Sensor is broken. please change new one.

4) When the LCD display show flash of “**Communication error (Data)**”.

That possible the cable inside is falling off. Please fixed it.

5) When the LCD display show flash of “**Communication error (Sensor)**”.

That possible Main PCB broken, please change the new one.

6) When the LCD display show flash of “**Heating**”.

That possible the machine on heating up, please wait a moment.

### 6. Disconnect the device from the power supply and cool it down before cleaning.

Only clean it with a soft, dry cloth or a brush only. Never use aggressive cleaning agents or chemical solutions on the surface. It could damaged the casing.

Avoid deposits and residue in the fog fluid channels by using a qualified fog machine cleaner and follow their instruction for use.

The device no need to clean inside. If you open the case, the warranty will expire.

Maintenance and service operations are only to be carried out by authorised dealers.

### 7. MAINTENANCE

To achieve the maximum service life of the machine you must be regularly clean the machine and test if it is functioning correctly.

Contact dealer if the machine is not functioning correctly.

DANGER

Do not replace parts yourself, always consult dealer.

### 8. TROUBLESHOOTING

Always contact dealer if any malfunctions or errors occur that cannot be solved with the instructions as described in this manual.