User manual

BSL

FAZER PRO

FAZER PRO

Save this instruction properly

All the information is subject to change without prior notice

Version 1.0

CONTENTS

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Instructional icons

ℹ️	Read the manual
🏠	Indoor use only
♻️	This symbol indicating separate collection for electrical and electronic equipment
⚠️	**Warning:** situations that could cause injury to yourself or others
❗	**Caution:** situations that could cause damage to your machine or other equipment
📝	**Note:** notes, usage tips, or additional information

Product Specifications

Name	Fazer Pro
Housing configuration	With flight case
Heater Power	1400W
Consumption	1500W
DMX512 CH.	1CH, 2CH, or 4CH
Built-in Function	• Timing Fogging • Continuous Fogging • Manual Fogging
Fuse (120V)	NFB 16A
Fuse (230V,240V)	10A / 250V
Display	Blue LCD Screen
Tank (liters)	5.6L
Fog Output (cu.ft/min)	15000
Warm Up time(seconds)	45s
Fluid Consumption (ml/min)	MAX. output 16ml/min
Date Connection	3P or 5P XLR
Power Connection	powerCON
Low Fluid Shutdown	Yes
Bracket	No
Voltage	120V/60Hz; 230V,240V/50Hz
Dimensions/mm(LxWxH w/o bracket)	533 x 387 x 249mm
Weight (kg)	21.3

* Voltage is preset at the factory and may not be changed.

533mm

249mm

387mm
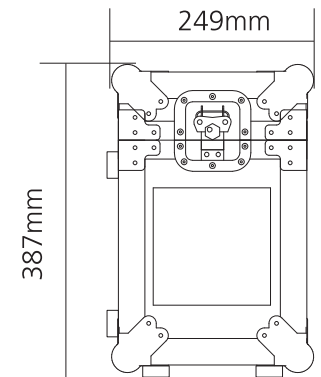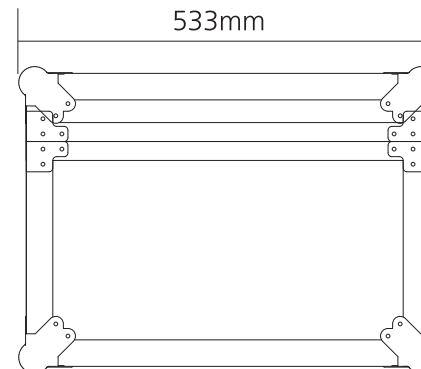
5. Periodically check the connections among the oil tube, the pump and the heater to see if there's oil leaking. If positive, lock tight the connections carefully with proper tool.
6. PC board should be kept from being dirtied with oil. In case this happened, dismantle carefully the PCB, and have it brushed clean both sides with dilute alcohol. Leave it dry itself, then install it back. Make sure all wires are well connected.
7. Clean the metal cover with dry cloth.

Thank you for selecting our Fazer Pro machine, you already own the high-tech, professional DMX Fazer! Better read the manual thoroughly before operation, follow instruction will help you have a smooth handling with Fazer Pro machine to achieve the most satisfactory faze effect, it will also assist unit to further prolong life time as a whole.

Warning!

Like all electronic products, Fazer Pro must be used with safety precautions in mind.

Fill enough fog fluid before plugging in, empty fluid tank when not in use or moving.

- Use only appropriate, grounded electric power supply for your unit. See your product specification label for appropriate power supply. This appliance must be earthed.
- Disconnect from electric mains power supply when not in use, when filling the fazer fluid tank, or when changing a fuse. Keep unit dry. If moisture or liquids enter the fazer machine case, immediately disconnect power supply. Contact a service technician to determine safety for use.
- Keep machine in flat position, never put it in tilted place.
- Before moving fazer machine, always drain fog fluid into the tank and tighten the tank cap securely to avoid spilling.

- Without user-serviceable parts in the package, please contact your local agent or qualified technician for servicing.
- Without changeable structure by non-qualified user, please do not open the up cover or have any change at will, otherwise, it may cause accident!
- Fazer machine is for adult use. Keep out of reach of children. Never leave the unit running unattended.
- Fazer machine nozzle gets hot over 200 degrees (centigrade) during use. Don't touch! Maintain a safe distance over 100CM. Never aim the nozzle directly at people.
- Keep case closed while operating. Put fazer machine in drafty place. Do not insert objects into air vents. Allow 20cm space or above around the machine for proper ventilation.
- Keep fazer machine away from flames and flammable items. Never aim the nozzle at open flames or sparks. Use only high quality water-based fazer fluid. Never put flammable substances into the tank.
- Machine must cool down before cleaning, servicing or storing.
- Never put any flammable material (lipid, gas, perfume etc.) into the tank, read the user manual thoroughly before operation.
- Better use our high quality water-based fog fluid, random use with other fazer fluid may jam the pipe, or even erode the components inside.

3. Prolonged use, flight case side air filter can accumulate dust, periodically remove the flight case side cover and remove the air filter to do the cleaning, after cleaning, be sure to dry the air filter after replacing the flight case again.

Be sure to dry the air filter after replacing the flight case again!
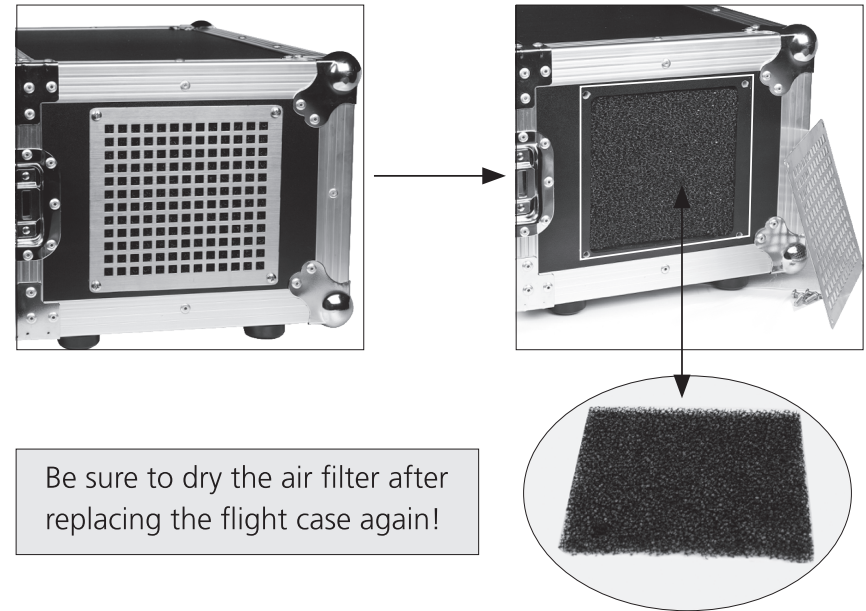
4. Prolonged use, sponge inside the vent may accumulate oil, periodically cleaned out or replaced with a new sponge.
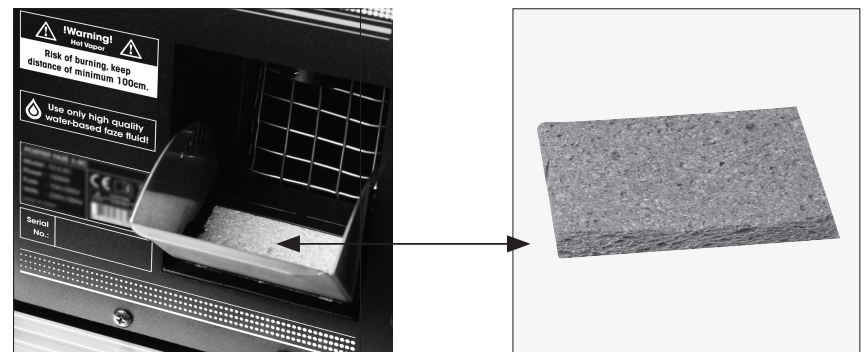
Other Abnormal Situations:

Heater Overheat	Flashing and showing this status, means heater is too hot or thermos sensor is cut;
No Heating	Flashing and showing this status, means unable heating;
No Fluid	Flashing and showing this status, means Fluid runs out or pumping no fluid;

Maintenance

Before doing maintenance, please make sure that the power is cut, the power cord is unplugged, and the machine itself has cooled down.
The maintenance must be done by qualified person.

1. The fluid is not allowed to get dirty. Be sure to always clean or replace the caps on the tank (Replace the caps on the tank directly. This kit includes quick connector, cap, pipe and filter) and tight the cover of the fazer machine tank immediately after filling.
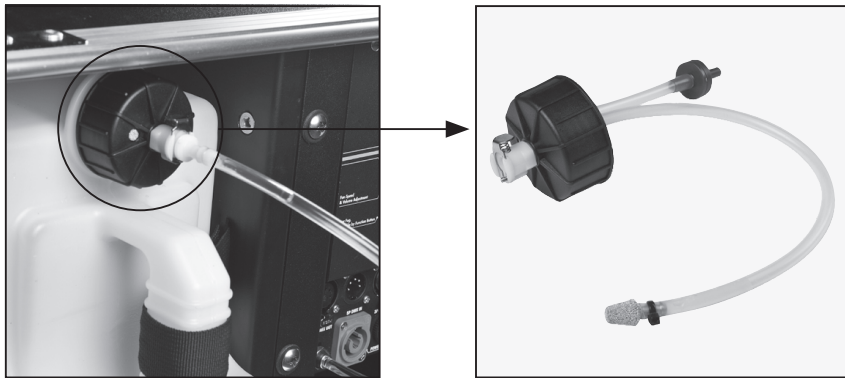
2. Prolonged use, the nozzle may be clogging by impurities, periodically use tools to clean the nozzles, keep the nozzle unobstructed.

• Keep sufficient fluid in tank. Operating the unit without sufficient fluid, the pump will slowdown the power.
• If any abnormal running occurs, stop it immediately, empty the fluid, and bring the done up unit (recommend original box) to your agent or dealer for servicing. Make sure all fluid is empty from the tank before moving or shipping.
• Never drink fog fluid. If ingested, call a doctor immediately. If fluid contacts eyes or skin, rinse skin thoroughly with water.
• Read user manual instructions thoroughly before operating. Follow the instruction. Never remove warning or informative labels from the unit.

Important Safeguards

• Read all instruction
• Products for indoor use only. Keep away from liquids. Never operate in rain or in damp conditions.
• Unit must be grounded.
• Don not open unit, risk of electric shock.
• Keep machine in flat position, never put it in tilted place.
• Do not immerse in any liquid
• Save these instructions.

Caution!

There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact your local dealer.

Particular Warning!

Please install the product correctly according to the instruction of the user manual. To avoid any accident, it is not allowed to install the product with any way not instructed on the user manual. If accident happens because users do not install the product according to the instruction of the user manual, the manufacturer will not take any responsibility.

Important

The wires in this mains lead are colored in accordance with the following code.
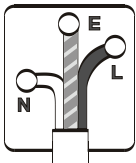
EU

Green and Yellow – Earthed (E)

Blue – Neutral (N)

Brown – Live (L)

Warning: This appliance must be earthed.

USA

Green and Yellow – Earthed (E)

White – Neutral (N)

Black – Live (L)

Warning: This appliance must be earthed.

Troubleshooting

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps. If the problem persists, refer servicing to a qualified technician.

Power Connected but No Smoke is Emitted:

1. Check the power supply. Plug the unit into grounded electric power supply socket with proper voltage.
2. Disconnect fog machine from electric power supply. Replace fuse with one of the same type.
3. Keep sufficient fluid in tank.
4. Check if pump is working (with fluid flow or not).
5. Check if the heater is heating (touch the panel to see if it is warming).
6. Check your controller if in correct connection.
7. Check your DMX address setting.

Power Connected, Fog Blasts not Smooth:

Moving the machine during operation could probably get air entered into the liquid pipe and affect smoothness of fog blasts. If this happened, use "Manual" function to force the machine to fog for a moment. Until the air is dispersed from the pipe, the machine will recover its normal fogging.

Should there be any low fog emitted, running noisily or hindered fogging, pull out the plug immediately. Check if string enough fluid, if the pipe connected to the tank is clean, if there's air inside the pipe, if the liquid flows, if not, plug-in again; still persists abnormal running, and If causation is unclear, stop running to avoid any damage, shut down to cool it, and bring unit to your local agent or appointed service place for inspection, prohibit any dismantlement by yourself.

Figure 2 DMX Chart

1 CH

CH1	
5-255	Volume 5%-100%
	Fan 100%
0-4	Volume 0%
	Fan 5%

2 CH

CH1		CH2	
Volume		Fan	
5-255	5%-100%	16-255	6%-100%
0-4	Off	0-15	5%

4 CH

CH1		CH2		CH3		CH4	
Volume		Fan		Duration		Interval	
5-255	5%-100%	16-255	6%-100%	8-255	3-250(s)	10-255	5-250(s)
0-4	Off	0-15	5%	0-7	3(s)	0-9	0(s)

**Interval =0 means constant fog.

Please note:

Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

Figure1 Fazer Pro Functions
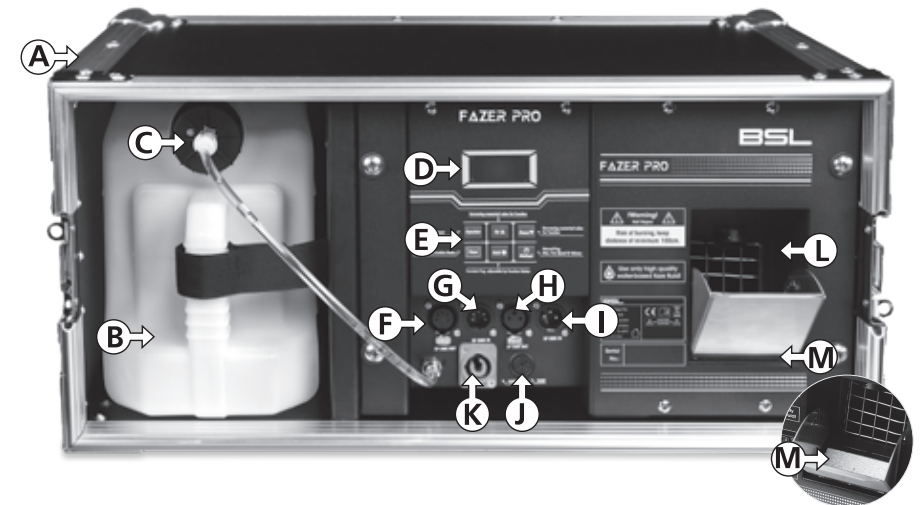
A. Flight Case (Fazer Pro)
B. Unique Anti-Spill Tank
C. Quick Connector
D. Blue LCD screen
E. 6 Buttons
F. DMX 5 pin XLR Output
G. DMX 5 pin XLR Input

H. DMX 3 pin XLR Output
I. DMX 3 pin XLR Input
J. Fuse Holder or NFB
K. Electric Power Input (Neutrik PowerCon)
L. Fog Output Nozzle
M. Sponge

Description

- Smooth and stable smoke output control from 5-100%.
  In accordance with different wind power, the smoke can be adjusted from minimum to 100%. Suitable for operation in any locations.
- 5-100% fan speed adjustment. Quiet and smooth fan let the smoke disperse unknowingly. 100% high fan speed let the smoke be thin and even, and expand more quickly throughout the location.
- Primary heating up takes very short time, only about 45 seconds, shorter than general fazer machines.
- The machine can be installed for up spray or forward spray.
- Unique design of 5.6-liter liquid tank let Fazer Pro have no worry of oil leaking when being operated up spray or forward spray.
  Quick connector makes replacement direct and easier when performance is ongoing.
- DMX on board, 3 DMX modes for choice; 1CH, 2CH, 4CH, operate by any additional DMX controller.
- Built-in multi-function operation control. Built-In timer control, manual fogging control and continuous fogging control.
- Fazer Pro is equipped with 0~45 degree adjustable air deflector.
- Heavy-duty. Able to keep working long time.
- Self-cleaning function: The machine design of machine stops working after a delay of 30 seconds, automatically clear the tubing of the remaining liquid.
- Design of expediting liquid supply: When low smoke output, it takes more time for supplying the liquid for the first time. The function of manual fogging is suggested to be used for expediting liquid supply and save time.
- Easy understanding blue LCD screen and intelligent design of software control.
- Flight case designed with thick and excellent material. Liquid tank designed for quick fixing and with protection against getting loosen during transportation. All details are required.
- Built-in DMX wifi module version available for optional buy.

4.
```
1ch.Axxx
VxxxFxxx
```
Below display current DMX controlled smoke volume value and fan speed;

5.
```
2ch.Axxx
VxxxFxxx
```
Or please press "Function" to switch to 2CH mode to do appropriate DMX address setting;

6.
```
4ch.Axxx
VxxxFxxx
```
Or please press "Function" to switch to 4CH mode to do appropriate DMX address setting;

7.
```
VxxxFxxx
DxxxIxxx
```
In 4CH mode, there is no operator action for two seconds, then automatically revert to the previous status. Upper display current DMX controlled volume value and fan speed, below display current DMX controlled duration and interval value;

8.
```
4ch.Axxx
VxxxFxxx
```
Press "Function" again to revert to 4ch mode and DMX address setting;

9. Please switch the DMX mode 1ch, 2ch or 4ch by Function.

10. If desired, connect another fazer machine: Plug one end of another signal cable in to the output socket (F or H of figure 1) on the back of the first Fazer Pro; plug the other end of the signal cable to the input socket (G or I of figure 1) on the back of the second Fazer Pro. Follow the same procedure to link more fog machine, if desired; whole link is daisy chain.

11. Down. Refer to DMX channel chart in Figure 2 make related settings. Now start operating Fazer Pro with DMX console.

- If wanting to expedite liquid supply when powered on the machine, using function of manual fogging can help.
- Upon receiving DMX signal, except Manual fogging function, all built-in functions are invalid.
- DMX signals dismissed, machine recovers display control mode, and built-in functions are recovered.

Manual Fogging Operation..

1.

Manual V100 F100

As long as heating is completed, under any status, press " Manual" (without releasing), the machine with maximum output and maximum fan speed fogging;

2. Release "Manual" to recover previous status.

Other Operation Tips..

•

DMX set Addr- xxx

In previous status, it is allowed to press "Function" to enter the selection of functions list directly;

•

*Hold TimeSet

Press "Up" or "Down" to move "*" up or down, press again "Function" to enter the function selected by "*", and setting the menu like previous timing fogging mode or continuous fogging mode;

•

DMX set Addr- xxx

There is no operator action for two seconds, then automatically revert to the previous status;

DMX Control Operation ....

1. Connect the DMX 512 controller cable to the input socket (G or I of figure 1) of the fog machine unit. Make sure the signal cable polarity is correct. When DMX socket receives effective DMX signals, the machine enter DMX control mode automatically.

2. There are 3 DMX modes for choice; 1CH, 2CH, & 4CH, please choose the mode by Function.

3.

1ch.Axxx VxxxFxxx

Upper display DMX mode and DMX address value, press "Up" or "Down" button to set the DMX address;

Getting Ready

All products are thoroughly tested at the factory and shipped in perfect condition. If damage has occurred during shipping, or if components are missing, please contact your local dealer immediately.
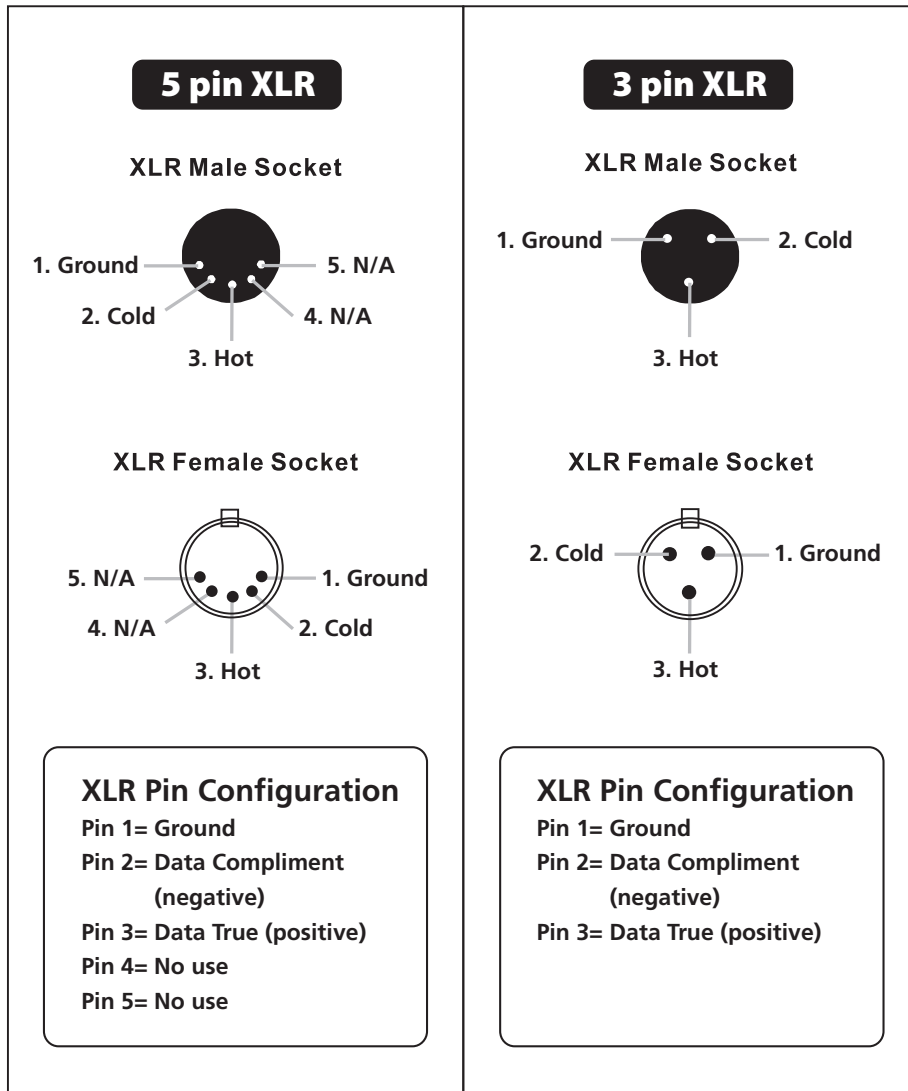
Your package should include:

1.One Fazer Pro machine

2.One Power Cord

3.One product user manual

Set Up

1. Open the shipping carton and carefully remove the unit from the shipping carton;

2. Be sure to remove packing material from around the fazer machine, especially near the nozzle;

3. Set the fazer machine on a dry, flat surface;

4. Connect the quick connector with the liquid tank cap (Figure 1-C). Be sure of well connection. Use definitely water based liquid of good quality;

5. Plug mains power cord from the fazer machine into appropriate power supply socket. Wait about 45 seconds for heating element to heat up;

6. Use LCD display for operating control, or connect DMX controller for setting;

7. Moving the machine during operation could probably get air entered into the liquid pipe and affect smoothness of fog blasts. If this happened, use "Manual" function to force the machine to fog for a moment. Until the air is dispersed from the pipe, the machine will recover its normal fogging.

DMX Connector Pin Assignment

The machine provides a 3- or 5-pin XLR connector for DMX connection. The diagram below indicates pin assignment information.

5 pin XLR

XLR Male Socket

1. Ground
5. N/A
2. Cold
4. N/A
3. Hot

XLR Female Socket

5. N/A
4. N/A
1. Ground
2. Cold
3. Hot

XLR Pin Configuration
Pin 1= Ground
Pin 2= Data Compliment
         (negative)
Pin 3= Data True (positive)
Pin 4= No use
Pin 5= No use

3 pin XLR

XLR Male Socket

1. Ground
2. Cold
3. Hot

XLR Female Socket

2. Cold
1. Ground
3. Hot

XLR Pin Configuration
Pin 1= Ground
Pin 2= Data Compliment
         (negative)
Pin 3= Data True (positive)

Continuous Fogging Operation ....

1.
> --> Vol xxx
> Fan xxx

Press "Hold" to enter continuous fogging status, please note continuous fogging starts at the same moment;

2.
> --> Vol xxx
> Fan xxx

Press "Up" or "Down" to adjust smoke volume value(5 – 100%);

3. Press "Function" to switch to adjust the speed of fan, please note continuous fogging still works at the same moment;

4.
> Vol xxx
> --> Fan xxx

Press "Up" or "Down" to adjust fan speed (5 – 100%)Press "FUNCTION" to move the arrow up or down;

5.
> (Stop)
> Cleaning

Press again "Hold" to stop Continuous fogging. Please note the machine design of machine stops working after a delay of 30 seconds; automatically clear the tubing of the remaining liquid.

6.
> DMX set
> Addr- xxx

After the Self-cleaning process is complete, return to the previous picture status.

- If wanting to expedite liquid supply when powered on the machine, using function of manual fogging can help.
- When executing continuous fogging, can press "Timer" to switch to Timing fogging directly.
- When executing timing fogging, can press "Manual" to switch to Manual fogging directly, this function can be started forcedly under any status.

Timing Fogging Operation ....

1. | DUR. xxx
 INT. xxx | Press " Timer" to enter timing fogging status;

2. Under this status, press " Function" to get into timing setting menu, please note timing fogging stops at the same moment;

3. | --> Dura xxx
 Intv xxx | Press "Up" or "Down" to adjust the value of continuous time(3s – 250s);

4. Press again "Function" to switch to adjust the value of Interval, please note timing fogging still stops at the same moment;

5. | Dura xxx
 --> Intv xxx | Press "Up" or "Down" to adjust time value of interval(5s – 250s). Press "FUNCTION" to move the arrow up or down;

6. | DUR. xxx
 INT. xxx | After setting the timing, press "Timer" to re-start timing fogging;

7. | (Stop)
 Cleaning | Press again "Timer" to stop Timing fogging. Please note the machine design of machine stops working after a delay of 30 seconds;automatically clear the tubing of the remaining liquid
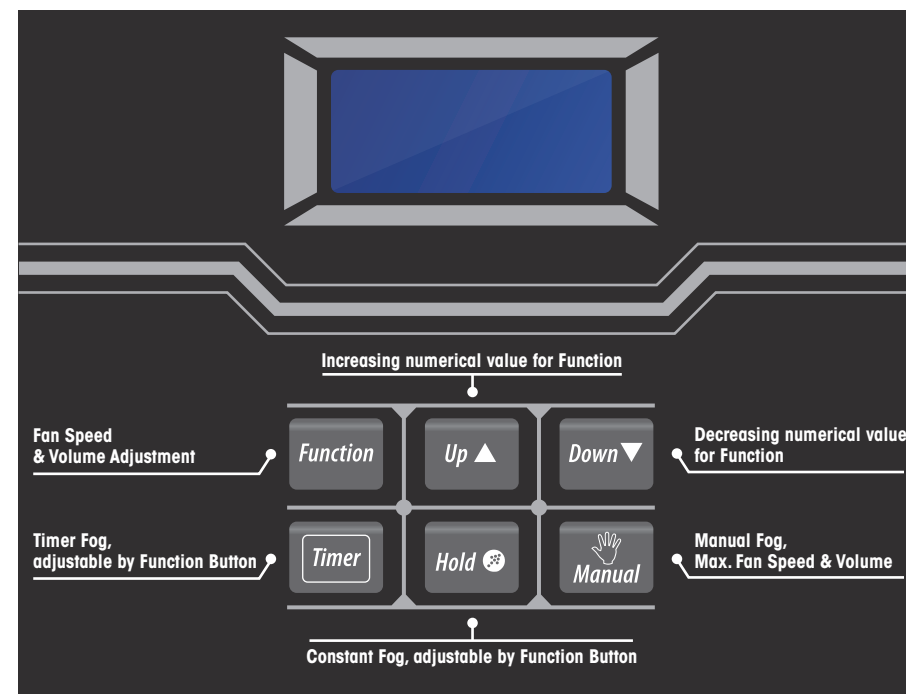
8. | DMX set
 Addr- xxx | After the Self-cleaning process is complete, return to the previous picture status.

🗒️

- If wanting to expedite liquid supply when powered on the machine, using function of manual fogging can help.
- When executing timing fogging, can press "Hold" to switch to continuous fogging directly.
- When executing timing fogging, can press "Manual" to switch to Manual fogging directly, this function can be started forcedly under any status.

Functions of the buttons

FUNCTION: Function switching button; then have the numerical value changed by using UP and DOWN buttons.

DMX set: Setting of DMX address. Range of address value: address=001~512. Press "UP" or "Down" 1.5 seconds can change value continuously and fast, pressed UP/DOWN at the same time, value back to 1.

Vol xxx: Setting output of timing fogging and continuous Fogging(Volume=5~100%).

Fan xxx: Setting fan speed of timing fogging and Continuous Fogging (Fan=5~100%).

DUR. xxx: Setting interval of timing fogging(Duration=3~250s).

INT. xxx: Setting duration of timing fogging(Interval=5~250s).

UP: Button for increasing numerical value

DOWN: Button for decreasing numerical value

TIMER: Starting button of timing fogging.

HOLD: Starting button of continuous fogging.

MANUAL: Starting button of manual fogging. Press " Manual" (without releasing), maximum output and maximum fan speed fogging. Release "Manual" to recover previous status. This function can be started forcedly under any status.

- Self-cleaning function: The machine design of machine stops working after a delay of 30 seconds, automatically clear the tubing of the remaining liquid.
- If wanting to expedite liquid supply when powered on the machine, using function of manual fogging can help.
- Set values are automatically saved.

Operation

1. Plug mains power cord from the fazer machine into appropriate power supply socket;

2. | Version: 1.0 | Primary power on;

3. | Warming Up…… | 2 seconds after, switches to working status: heating up;

4. Wait about 45 seconds for heating element to heat up

5. | DMX set Addr- xxx | After heating up, displays the previous functions list before the last power off:The picture shows the new machine default state;

6. After the heating up is complete, Please do follow the required operating modes

REMARK

To reduce the possibility of that the wind mouth gets humid, the software will detect the wind value and the fog value, and do proper adjustment. Under display control mode (timing fogging, continuous fogging and manual fogging) or DMX control mode : when fog value is adjusted to 100%, the software will adjust wind value(even it is set at 5%) to 30% automatically; when wind value is adjusted to 5%, the software will reduce fog value to 50% automatically. This will prevent the wind mouth from getting humid because of too small wind but too much fog.

*Fog value = Volume, wind value = Fan