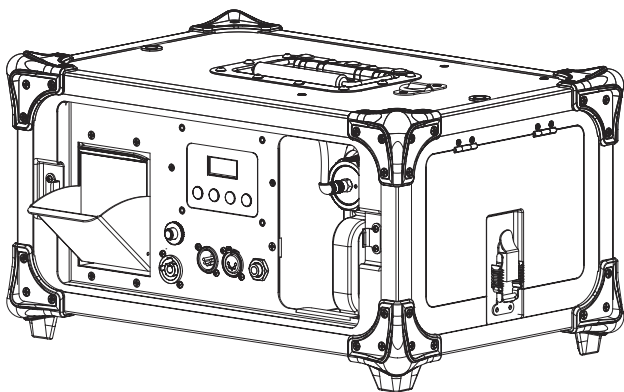


MAGNATIC

MAGMA PRIME NEO



User Manual



Warning!

Like all electronic products, Magma Prime Neo 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 fluid tank, or when changing a fuse. Keep unit dry. If moisture or liquids enter the faze machine case, immediately disconnect power supply. Contact a service technician to determine safety for use.
- Before moving the machine, always drain fog fluid 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 cover or have any change at will, otherwise, it may cause accident!
- Magma Prime Neo Faze machine is for adult use. Keep out of reach of children. Never leave the unit running unattended.
- Magma Prime Neo Faze machine nozzle gets hot over 200degrees(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 the machine in drafty place. Do not insert objects into air vents. Allow 20CM space or above around the machine for proper ventilation.
- Keep haze machine away from flames and flammable items. Never aim the nozzle at open flames or sparks. Use only high quality water-based haze 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 haze fluid may jam the pipe, or even erode the components inside.
- 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.



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.



Please note:

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

Important

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



230V, 240V

Green and Yellow – Earthed (E)

Blue – Neutral (N)

Brown – Live (L)

Warning: This appliance must be earthed.

100V, 120V

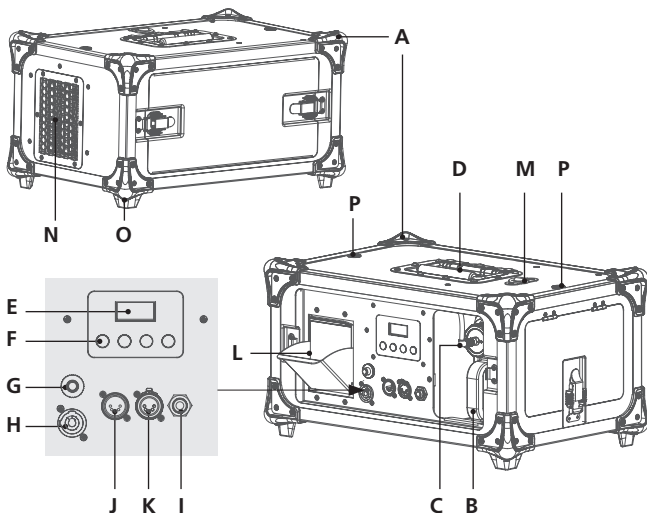
Green and Yellow – Earthed (E)

White – Neutral (N)

Black – Live (L)

Warning: This appliance must be earthed.

Figure1: Functions



A . Corner Bumper

B . Tank

C . Quick Connector

D . Handle

E . Blue LCD screen

F . 4 Function Buttons

G . NFB (no fuse breaker)

H . Electric Power Input

I . Remote Control Socket

J . DMX 5Pin XLR Input

K . DMX 5Pin XLR Output

L . Smoke Output

M . Safety Ring

N . Dust Filter

O . Pads

P . M10 for C clamp

Description

- Smooth and stable 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 adjusted. 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 60 seconds, shorter than general haze machines.
- The machine can be installed for up spray or forward spray.
- Built-in multi-function operation control. Built-In timer control and continuous fogging control.
- Heavy-duty. Able to keep working long time.
- Self-cleaning function: The machine design of machine stops working after a delay of 60 seconds, automatically clear the tubing of the remaining liquid.
- Easy understanding blue LCD screen.
- Use a professional TURE1 power cord, more professional and safer.
- Liquid tank designed for quick fixing and with protection against getting loosen during transportation. All details are required.
- 8 anti-collision rubber corners protect the machine from damage.

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:

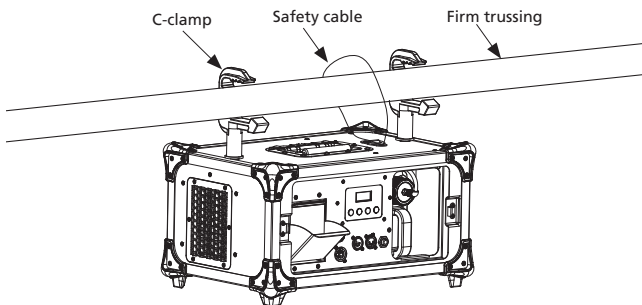
1. One Magma Prime Neo Faze Machine
2. One Power Cord
3. One product user manual

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 faze machine, especially near the smoke output;
3. Set the faze machine on a dry, flat surface;
4. Plug mains power cord from the faze machine into appropriate power supply socket. Wait about 60 seconds for heating element to heat up;
5. Use LCD display for built-in operating control, or connect DMX controller for setting;
6. Moving the machine during operation could probably get air entered into the liquid pipe and affect smoothness of fog blasts. If this happened, press the " Start/Pause" button to fog for a moment. Until the air is dispersed from the pipe, the machine will recover its normal fogging.

Mounting

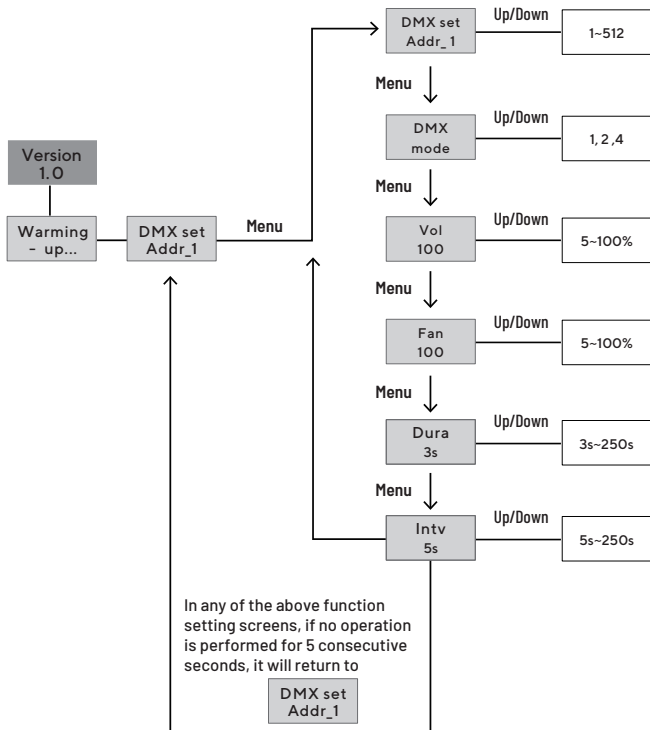
Fasten the machine onto firm trussing (Use a 15-kg rated or stronger C-clamp bolted onto bottom of the machine, enhancing safety necessarily with safety cables). Leave at least one meter at all sides for air circulation.



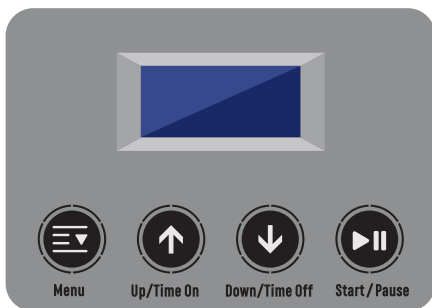
System Menu

★ (Press UP/Down 1.5 seconds can change value continuously and fast.)

★ (pressed UP/DOWN at the same time, value back to 1)



Functions of the buttons



Menu: Function switching button; changed by using “Up” and “Down” buttons. Press UP or Down 1.5 seconds can change value continuously and fast.

DMX addr: Setting of DMX address.

Range of address value:(address=001~512)
pressed UP/DOWN at the same time, value back to 1.

Volume xxx: Setting output of fogging.(Volume=5~100%)

Fan Speed xxx: Setting output of fan speed. (Fan Speed=5~100%)

Interval: Setting interval of timing fogging (Interval=10s~250s)

Duration: Setting duration of timing fogging (Duration=10s~250s)

Up/Time On: Button for increasing numerical value/ timing fogging on

Down/ Time Off: Button for decreasing numerical value/ timing fogging off

Start/Pause: Start and stop button

Operation

1. Primary power on;

2.

Warming
- up...

 2 seconds after, switches to working status:
heating up;

3.

READY

 Preheating completed. Ready to smoke;

Continuous Fogging Operation.....

1. Press "Start/Pause" to enter continuous fogging status, and press it again to stop fogging;

2.

VxxxFxxx

 When in continuous fogging mode, the left diagram will be displayed. The first line shows the smoke volume and fan speed during fogging. (At this time, you can still press the Menu button to switch the screen for setting the built-in function parameters mentioned above.);

3.

READY
CLEAN

 After continuous fogging, fan stays for 5s then switches to standby. "CLEAN" flashes during smoke clearance; power off after it disappears.

Timing Fogging Operation

1.

READY

 After heating is completed, the left diagram will be displayed, and you can press the "Up(Timer On)" key to start timing fogging;
2.

VxxxFxxx
DxxxIxxx

 Item Dxxx and Item Ixxx flash alternately to show continuous/interval countdown;
3. Press the "Down(Timer Off)" key to stop timing fogging;
4.

READY
CLEAN

 After timing fogging, fan stays for 5s then switches to standby. "CLEAN" flashes during smoke clearance; power off after it disappears.



Noted:

VxxxFxxx
TMR-Hold

During timing fogging, pressing the "Start/ Pause" key can also activate continuous fogging and display the left diagram. Pressing "Start/ Pause" again will stop continuous fogging and return to timing fogging status.

Remote Control Operation

READY
R

Insert a valid controller into the REMOTE slot on the machine's back, and the left diagram will appear on the screen. Both external and built-in controllers can start/stop fogging. (At this time, you can still press the Menu button to switch the screen for setting the built-in function parameters mentioned above.).

DMX Control Operation

When the machine receives a valid DMX signal, it is controlled by the DMX controller and ignores the remotes and built-in control

1. Setting DMX mode and DMX address by Menu buttons (figure 1-F) under the LCD display, DMX operation has not started at this time;
2. Enter to DMX mode, press Up or Down button to set the DMX Mode, there are 3 DMX modes for choice: 1CH, 2CH, 4CH;
3.

1ch.Addr Vxxx Fxxx

 First line shows DMX mode is 1 channel, and DMX address, second line shows current volume and fan speed controlled by DMX console;
4. During the DMX operating (DMX signal has been received and began to work) still can switch DMX mode and change DMX address;
5.

2ch.Addr Vxxx Fxxx

 Press MENU and switch to 2CH mode, and press Up or Down to change the DMX address, and the second line shows current volume and fan speed controlled by DMX console;
6.

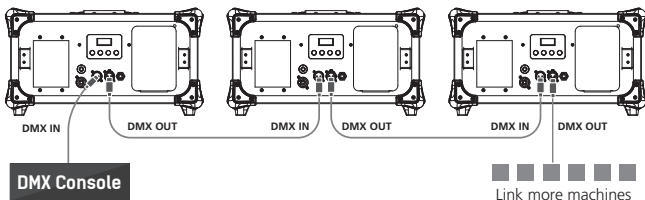
4ch.Addr Vxxx Fxxx

 Press MENU and switch to 2CH mode, and press Up or Down to change the DMX address, and the second line shows current volume and fan speed controlled by DMX console;
7.

Vxxx Fxxx Dxxx lxxx

 After 2 seconds, The first line displays the current volume and fan speed value controlled by DMX. The second line displays the current duration value and interval time value controlled by DMX.
8. Press the MENU button continuously to switch between the 1 DMX mode and the 2 DMX mode and the 4 DMX mode;

- 9.** If desired, connect another faze machine: Plug one end of another signal cable in to the output socket (figure 1-K) on the back of the first machine; Plug the other end of the signal cable to the input socket (figure 1-J) on the back of the second machine. Follow the same procedure to link more machines, if desired; whole link is daisy chain;
- 10.** Refer to DMX chart make related settings.
Now start operating Magma Prime Neo with DMX console.



DMX Chart

1CH

CH1		
DMX Value	Volume	Fan Speed
5-255	On	100%
0-4	Off	5%

2CH

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

4CH

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

**s = seconds

**Interval =0 means continuous fogging.

** When the smoke state is off (volume =0), the timer does not work, the LCD display of the machine shows values of interval and duration which are the parameters set by the DMX console; When the smoke state is on (volume=5%-100%), the timer works, the interval and duration values shows by LCD display are decreased by second, this process will always be cycled.

Fault Warning

Flashing to display the following warning icons.

- Heater
Overheat**

Indicates that the heater temperature is too high, or the temperature sensing wire is disconnected.
- No
Heating**

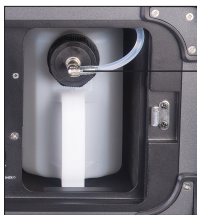
Indicates that the machine cannot heat up.

Maintenance

Before doing maintenance, please make sure that the power is cut, the power cord is unplugged, and the machine itself has cooled down.

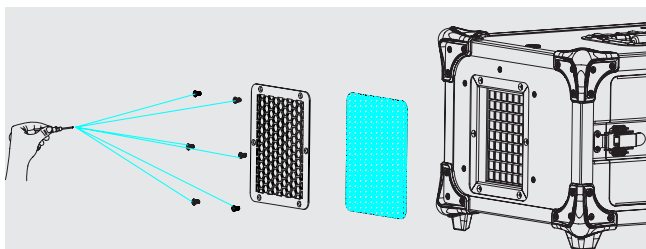
The maintenance must be done by qualified person.

- 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 faze machine tank immediately after filling;



- Prolonged use, the nozzle may be clogging by impurities, periodically use tools to clean the nozzles, keep the nozzle unobstructed;
- 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;

4. 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.
5. During long-term use, dust may accumulate on the dust filter mesh on the side of the case. Please regularly remove the side cover of the case, take out the dust filter mesh for cleaning. After cleaning, be sure to air dry the dust filter mesh before reinstalling it into the case.



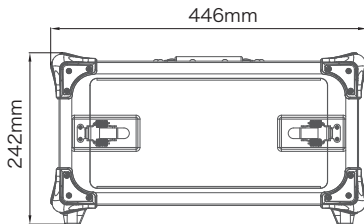
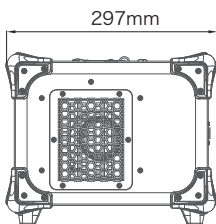
Be sure to dry the air filter after replacing the flight case again!



Product Specifications

Item No.	Magma Prime Neo
Housing configuration	Iron
Heater Power	1500W
Consumption	1530W
Fuse	NFB 16A
DMX512 CH.	1CH, 2CH& 4CH
Built-in Function	●Timing Fogging ●Continuous Fogging
Initial ready time (min.)	1
Cyclic Heating Up Time (Sec.)	Keep constant temperature
Fog Volume	5~100%
Fluid Consumption (ml/min)	6 ml/min
Fog Output (cu.ft/min)	10000
No/Low Fluid Warning	No Fluid LCD Display
Other Warnings	● No heating warning ● Overheating warning
Display	Blue LCD Screen
Tank (liters)	2L
Date Connection	5PIN XLR
Remote Connection	1/4" jack
Power Connection	TURE1
Handle	Yes
Voltage	100V-240V 50Hz/60Hz
Dimensions (LxWxH W/Handle)	446 x 297 x 242mm
Weight (kg)	12.5kg

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



Save this instruction properly

All the information is subject to change without prior notice