



 STARVILLE

A-150 MX
fog machine

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Table of contents

1	General notes.....	4
2	Safety instructions.....	8
3	Features.....	14
4	Installation.....	15
5	Starting up.....	16
6	Connections and operating elements.....	18
7	Operating.....	26
	7.1 Remote control functions.....	28
	7.2 Functionality MX mode.....	29
8	Technical specifications.....	31
9	Plug and connection assignments.....	32
10	Troubleshooting.....	33
11	Cleaning.....	35
12	Protecting the environment.....	37

1 General notes






This use manual contains important information on safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using the device. If you sell the device to a new user, be sure that they also receive this manual.


Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate danger situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible danger situation that can result in death or serious injury if it is not avoided.
CAUTION!	This combination of symbol and signal word indicates a possible danger situation that can result in minor injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible danger situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – high voltage.
	Warning – flammable substances.
	Warning – hot surface.
	Warning – suspended load.
	Warning – harmful / irritating substances.

Warning signs	Type of danger
	<p>Warning – danger zone.</p>

2 Safety instructions

Intended use

This device is intended to be used to produce artificial fog by vaporizing fog fluid. Use the device only as described in this use manual. Any other use is use under the operating conditions is considered to be improper and may result in personal injury or property damage. Liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensory, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised and instructed by a person who is responsible for their safety.

Safety



DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Crying hazard!

Ensure that children do not detach any small parts (e.g. knobs, etc.) from the unit. They could swallow with pieces and choke!

Never let children use electrical devices.



DANGER!

Electric shock caused by high voltages inside

When the device is repaired, high voltages may be present, even when the power is switched off.

Do not use serviceable parts inside.



DANGER!

Electric shock caused by short-circuit

Do not touch the main cable or the plug. A short circuit could result in electric shock or fire. For further information, see advice from a registered electrician.



WARNING!

Risk of burns from flammable liquids

The use of flammable liquids in this device may cause severe burns and damage to property.

Always use approved fog fluids. Never fill flammable liquids into the tank of the device.



WARNING!

Risk of burns

The generated fog at the fog nozzle is hot and can cause burns. Occasionally the fluid drops may escape from the nozzle.

The distance of persons and objects to the fog nozzle must be at least fifty centimetres (1.6 feet).

Do not touch the fog nozzle during and shortly after operation. It becomes very hot and may cause burns even several hours after switching off the device.



WARNING!

Risk of slipping caused by condensation

Fog machines can produce condensation. In the event of fog fluid spills and surfaces can become slippery by condensed fog.

Observe regular intervals when it is possible to walk on the floor without slipping hazard, and, if necessary, remove the condensation.



WARNING!

Health hazard caused by fog fluid handling

Fog fluids contain glycols complying with the regulations for flammable. However, it may be a harmful swallow.

In the event of vomiting, see medical advice immediately. Keep fog fluid in a safe place. If fog fluid comes in contact with eyes, insert thoroughly with water.



CAUTION!

Possible respiratory problems

The device can be operated safely only with the approved fog fluid. The use of other fluids can release toxic gases. Claims for damages caused by the use of non-approved fluids shall be excluded.

/ Do not create fog in closed or poorly ventilated areas.

/ Do not expose persons with health problems (such as allergic asthma, etc.) to fog.



NOTICE!

Risk of fire

/ Do not use the device near any ventilation slits. / Do not place the device near any direct heat source. Keep the device away from naked flames.



NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.



NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. A fault or short circuit could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electrical shock.

3 Features

.is f g mac line is suitable for use in clubs, bars, discotheques and on stages

Special features of the device:

- Control via / MX (remote control) is available supplied remote control
- Suitable for mobile use due to compact design
- Backlit for mounting in tunnels ceiling included

4 Installation

Unpack and carefully check that the device is not damaged before using the unit. Keep the equipment packaging fully protected the device against vibration, dust and moisture. During transport, storage use the original packaging or your own packaging material suitable for transport, storage, respectively.



WARNING!

Risk of injury caused by falling objects

Make sure that the installation complies with the standards and rules that apply in your country. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

You can install the device on the wall, the ceiling or on the floor. The device must not be positioned with more than 15° inclination during operation. The unit requires 200 cm clearance on the sides and above.

5 Starting up

Establish all connections as long as the unit's switched off. Use the shortest possible high-quality cables for all connections.



NOTICE!

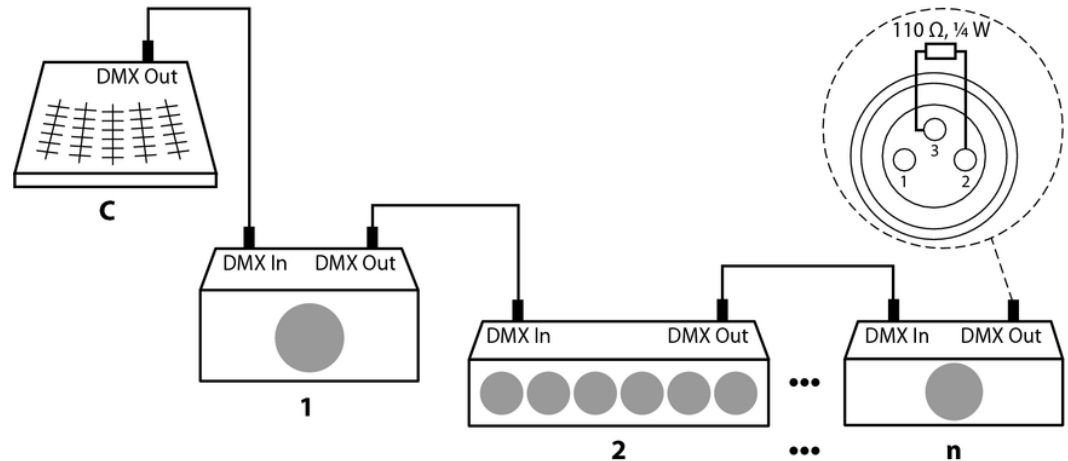
Possible data transmission errors

For error-free operation make use of dedicated / MX cables and do not use ordinary microphone cables.

Never connect the / MX input / output to audio devices such as mixers, amplifiers, etc.

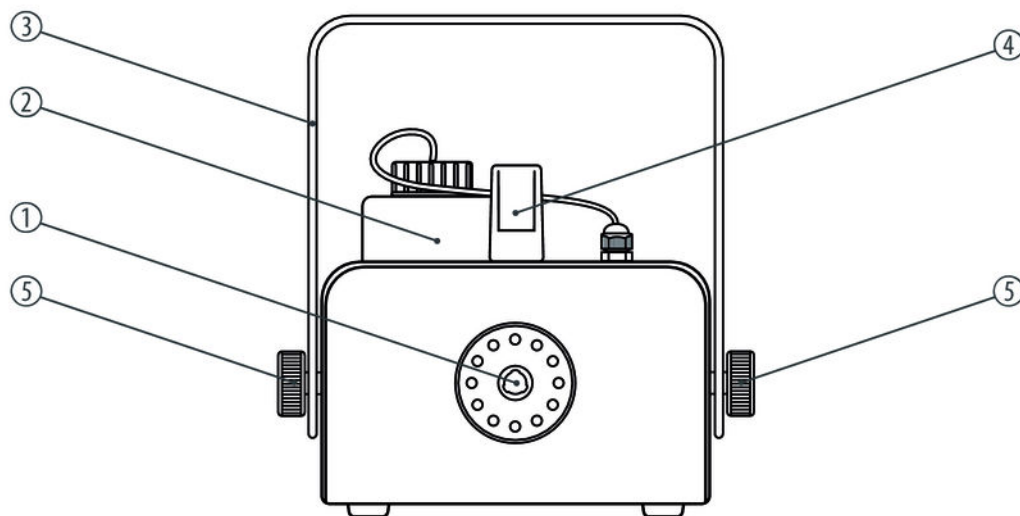
Connections in DMX mode

Connect the DMX input of the device to the DMX output of the previous DMX device. Connect the output of the first DMX device to the input of the second, and so on, to form a daisy chain. Always ensure that the output of the last DMX device is terminated with a resistor (110Ω , $\frac{1}{4}$ W).



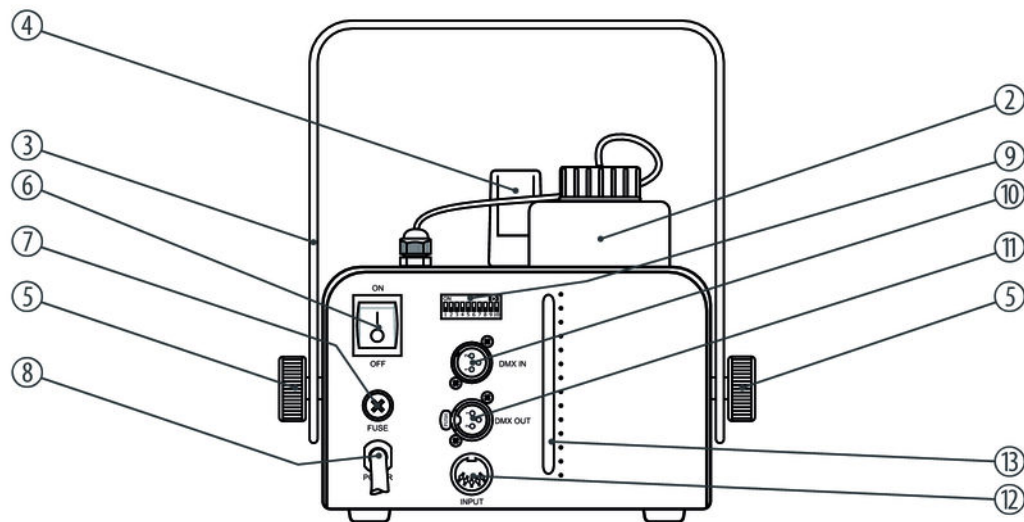
6 Connections and operating elements

Front panel



1	g n zze.
2	g fluid c ntaine. w.t sc ew-cap.
	Bac et f ang.ng.
4	Ca.y.ng andle.
5	L c .ng screws f t e m unt.ng bac et.

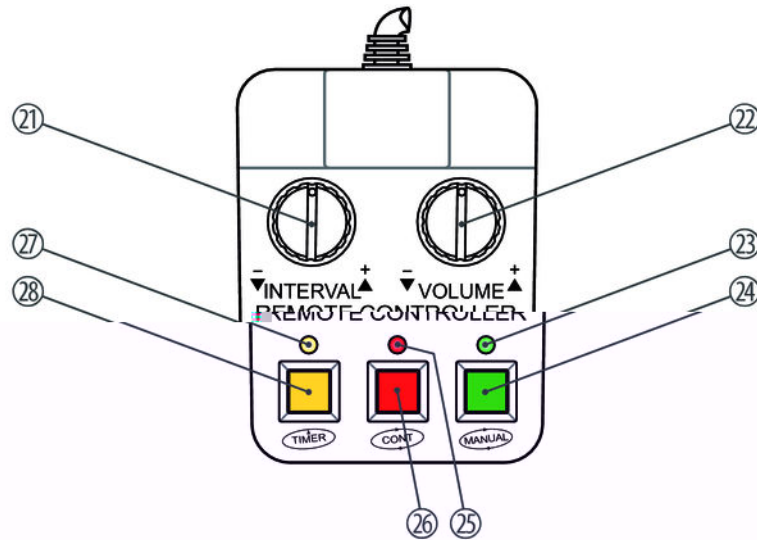
Rear panel



2	g fluid container with screw-cap.
	Backet for hanging.
4	Caring andle.
5	Lcing screws for mounting bracket.
6	Main switch, unsted device and ff.
7	FUSE use ide.
8	POWER Main cable for power supply.
9	/ ipswitch for setting the / MX address.
10	DMX IN / MX input.
11	DMX OUT / MX output.

12	CONTROLLER INPUT Connection for the element controller.
1	Liquid level indicator.

Remote control



21	<p> $\text{[} \text{ } \text{ta y c nt l[} \text{ } \text{V } \text{]}$ With this control, you can set the time interval between two firing outputs in a range between 10 and 200 seconds. </p>
22	<p> $\text{[} \text{ } \text{ta y c nt l[} \text{ } \text{V } \text{]}$ With this control, you can adjust the amount of firing to be produced by the device with each blast (between 0 and 100%). </p>
23	<p> The green LED indicates that the unit is at each of the repeating temperature necessary to produce firing. </p>
24	<p> $\text{[} \text{ } \text{f u s b u t t n[} \text{ } \text{]}$ The push button is the maximum firing output regardless of the settings. </p>
25	<p> The red LED indicates that continuous firing is tuned in. </p>
26	<p> $\text{[} \text{ } \text{f u s b u t t n[} \text{ } \text{]}$ The push button is used to tune continuous firing in. The amount of firing volume you have set with the $\text{[} \text{ } \text{V } \text{]}$ control is continuously emitted. </p>

27 eyell wLE/ indicates t at t e ime funct' n's tu ne d n.

28 pus butt n[]

W't t is sw'ic ,y u cant u nt e ime funct' n n . ff. nt is m de,t eam unt ff g set by t e[V]
c nt l's emitted w't in t e tme inte val st at y u ave set w't t e[V]c nt l.

7 Operating

Filling the unit



NOTICE!

Possible damages caused by unsuitable fog fluid

Fog fluids not approved by the manufacturer may permanently damage the unit.

Only use the fog fluids listed in _____ and follow the instructions for use.

First, make sure the unit is disconnected from the mains.

Open the screw-cap of the liquid container and fill it with fog fluid. Make sure that no fluid is spilled. It gets into the device the easiest way is using a funnel. The container capacity is 2 ltr.

Screw the cap firmly back on.

Turning the unit on



NOTICE!

Fire hazard

Do not operate the machine unattended.

Make sure that the electrical supply is connected.

Connect the device to the mains and switch it on with the main switch.

As soon as the required operating temperature is reached, e.g. when LED lights on, the device is now operational.

Operation

When operating, always ensure that there is sufficient flow of fluid in the liquid container to avoid boiling.

Turning the unit off

Disconnect the device from the mains. Transport the device only when it is completely cooled down. Avoid leaving fluid during transport, you should transport the device only with empty fluid container.

7.1 Remote control functions

















When the device is not controlled by /MX, it supports the following operating modes that can be selected with the remote control:



- Manual operation with maximum frequency
 Press the push button []. This mode takes precedence over all others. This means that you do not have to set the time function and continue operation before you press the button.
- Continuous operation with adjustable amplitude
 In this mode, the team amplitude frequency is set with the [V] control. It is continuously emitted. Press the [] switch to turn the operating mode on or off.
- Time-controlled operation with adjustable amplitude
 In this mode, the team amplitude frequency is set with the [V] control. It is emitted at regular intervals (adjustable with the [V] control). Press the [] switch to turn the operating mode on or off. The yellow LED indicates that the time function is enabled. Each frequency burst lasts about 10 seconds.



Setting up the DMX address


e value ft e / psw.tc es 1-9.3.b.na.y.c ded. set t e des:ed / MX add.ess, set t e / p
 sw.tc es s t att e sum ft e. result.ing numbe.s y.e lds t e des:ed / MX add.ess, please
 .ient y u. self by t e f ll wing table:

SW9	SW8	SW7	SW6	SW5	SW4	SW3	SW2	SW1	DMX address
0	0	0	0	0	0	0	0	1	1
0	0	0	0	0	0	0	1	0	2
0	0	0	0	0	0	1	0	0	4
0	0	0	0	0	1	0	0	0	8
0	0	0	0	1	0	0	0	0	16
0	0	0	1	0	0	0	0	0	32
0	0	1	0	0	0	0	0	0	64





SW9	SW8	SW7	SW6	SW5	SW4	SW3	SW2	SW1	DMX address
	1								128
1									256

 / psw.tc is in 'O.' position: /  psw.tc is in 'O_N' position.

Example: set t e / M X address 10 set /  psw.tc es 2 and 4 t o 'O_N', all t e s t 'O.' e
 i g e s t p s s i b l e / M X address is 511 (all /  psw.tc es t 'O_N').

 /  psw.tc 10 as n f u n c t i o n .

DMX assignment

Channel	Value	Function
1	Setting team unit f f g	
	 .255	 f g u t p u t () t m a x i m u m f g u t p u t (100 )



8 Technical specifications

Heater power	800 W
Air output	app. x. 410 m ³ /m.h
Air flow consumption	app. x. 95 ml/m.h
Air flow intake capacity	1.2 l
Warm-up time	app. x. 8 m.h
Operating supply voltage	AC 230 V ~, 50 Hz
Accessories	5 / 2500, slow-blade, 5 mm x 200 mm
Power consumption	800 W
Dimensions (W x D x H)	290 mm x 450 mm x 265 mm
Weight	5.5 kg

9 Plug and connection assignments

Introduction

Our competent staff will help you select the right cables and plugs to connect your valuable equipment safely at a perfect lighting experience. It's guaranteed.

Please take our tips, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into a socket, the result of an incorrect connection may be a destroyed MX controller, a short circuit or just a two-hour lighting show!

DMX connections

The unit features a 5-pin XLR socket for MX output and a 5-pin XLR plug for MX input. Please refer to the drawing and table below for the pin assignment for a standard XLR plug.



Pin	Configuration
1	Ground, shielding
2	Signal, inverted (/ MX-, 'cold signal')
	Signal (/ MX+, 'hot signal')

10 Troubleshooting

Don't be flustered by a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Symptom	Remedy
Power unit doesn't work	Cable remains connected and the main fuse.
No audio output	1. Check the fluid level in the generator. 2. Switch the device off and check the set at least in the fluid container for flow.
No response to the / MX controller.	1. Check the address settings and the / MX polarity. 2. Try using another / MX controller. 3. Check the / MX cables, especially the signal voltage cables that may cause damage to the interface circuits.

If the procedure recommended above does not succeed, please contact our Service Center. You can find the contact information at [this link](#).

11 Cleaning



NOTICE!

Possible damages caused by unsuitable cleaning agents

Cleaning not approved by the manufacturer may permanently damage the unit.

Only use the following machine cleaners listed in _____ and fill with the instructions for use.

Clean the appliance after every operating use, if it was not in use for a longer period of time.

Procedure

1. ➤ Make sure that the device is turned off, disconnected from the mains and completely cooled down.
2. ➤ Place the unit in a well-ventilated place.
3. ➤ Squeeze the suction hose until the fluid container of the machine and put it into the bottle with the cleaning fluid.
4. ➤ Connect the device to the mains and turn it on with the main switch.
5. ➤ Wait until the required operating temperature has been reached.

6. ➤ Switch the unit to continuous operation and release f g f . about 20 sec nls.
7. ➤ Put the suction hose back into the fluid container. If the f g mac line and release f g f .
after the 20 sec nls. finishes the pipes.
⇒ the cleaning is completed.

12 Protecting the environment

Disposal of the packaging material



For transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not use disposable materials with your normal household waste, but make sure that they are collected for recycling. Please fill out the return card for the packaging.

Disposal of your old device



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device using an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. For doubt, consult your local waste disposal facility.



