




STAIRVILLE

AF-40 / AF-40 LED
fog machine

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1 General information

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

1.1 Further information

On our website (www.thomann.de) you will find lots of further information and details on the following points:

| | |
|-----------------------|---|
| Download | This manual is also available as PDF file for you to download. |
| Keyword search | Use the search function in the electronic version to find the topics of interest for you quickly. |
| Online guides | Our online guides provide detailed information on technical basics and terms. |
| Personal consultation | For personal consultation please contact our technical hotline. |
| Service | If you have any problems with the device the customer service will gladly assist you. |

1.2 Notational conventions

This manual uses the following notational conventions:


Letterings





The letterings for connectors and controls are marked by square brackets and italics.

Examples: *[VOLUME]* control, *[Mono]* button.

1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

| Signal word | Meaning |
|---|--|
| DANGER! | This combination of symbol and signal word indicates an immediate dangerous 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 dangerous 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 dangerous situation that can result in minor injury if it is not avoided. |
| NOTICE! | This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided. |
| Warning signs | Type of danger |
|  | Warning – high-voltage. |

| Warning signs | Type of danger |
|--|---|
|  A yellow triangular warning sign with a black border and a black flame icon in the center. | Warning – flammable substances. |
|  A yellow triangular warning sign with a black border and three wavy black lines representing heat in the center. | Warning – hot surface. |
|  A yellow triangular warning sign with a black border and a black 'X' symbol in the center. | Warning – harmful or irritating substances. |
|  A yellow triangular warning sign with a black border and a black exclamation mark in the center. | Warning – danger zone. |

2 Safety instructions

Intended use

This device is intended to be used to produce artificial fog by vaporising fog fluid. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or 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. Choking hazard!

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

Never let children unattended use electrical devices.



DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

Do not use the device if covers, protectors or optical components are missing or damaged.



DANGER!

Electric shock caused by short-circuit

Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek 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 hot fluid drops may escape from the nozzle.

The distance of persons and objects to the fog nozzle must be at least fifty centimetre (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. Do not direct the fog to floors. Floors and surfaces can become slippery by condensed fog.

Check at regular intervals whether it is possible to walk on the floors without a slipping hazard, and, if necessary, remove the condensation.



WARNING!

Health hazard caused by fog fluid handling

Fog fluid does contain glycols complying with the regulations for foodstuffs. However, it may be harmful if swallowed.

Do not induce vomiting. Seek medical advice immediately. Keep fog fluid in a safe place. If the fog fluid comes into contact with eyes rinse 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 respiratory conditions, asthma) to artificial fog.



NOTICE!

Risk of fire

Do not block areas of ventilation. Do not install 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. Failure to do so 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 electric shock or fire.

General information about how to safely operate fog machines and hazers

The device was designed for use in professional event technology and works reliably when used properly. Observe the following information:

- Follow all warnings in these operating instructions.
- Never leave the device running without supervision.
- The device is not suitable for use in private households or as a child's toy.
- Place the device on a stable, fire-proof basis that is at least twice as large as the device.
- Maintain a safety distance of 1 m to flammable materials.
- The device is not intended for suspended assembly (the so-called "flying operation").
- During operation, ensure that the visibility in the room does not fall below 2 m so that everyone in the room can still orient themselves safely.
- The haze or mist generated by the device may trigger smoke alarms.

3 Features

AF-40

This fog machine is suitable for use in clubs, bars, discotheques and on stages.

Special features of the device:

- Remote control included
- Suitable for mobile use due to compact design

AF-40 LED

This fog machine with LED lighting is suitable for use in clubs, bars, night clubs and on stages.

Special features of the device:

- LED lighting for bright orange-red colour effects
- Remote control included
- Suitable for mobile use due to compact design

For technological reasons, the light output of LEDs decreases over their lifetime. This effect increases with higher operating temperature. You can extend the service life of the illuminants by providing adequate ventilation.

4 Installation

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Place the device on a stable, fire-proof basis that is at least twice as large as the device. The device requires 20 cm clearance at the sides and above. The unit should be installed horizontally, a maximum deviation of 15° is allowed.



NOTICE!

Risk of overheating

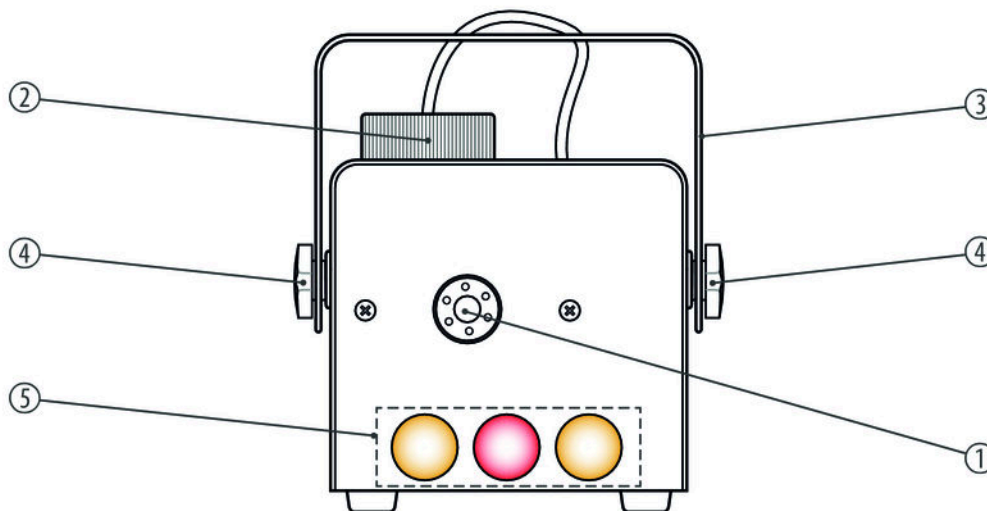
The distance between light output and the illuminated surface must be more than 1.5 m (19.7in).

Provide sufficient ventilation.

The ambient temperature must always be below 40 °C (104 °F).

5 Connections and controls

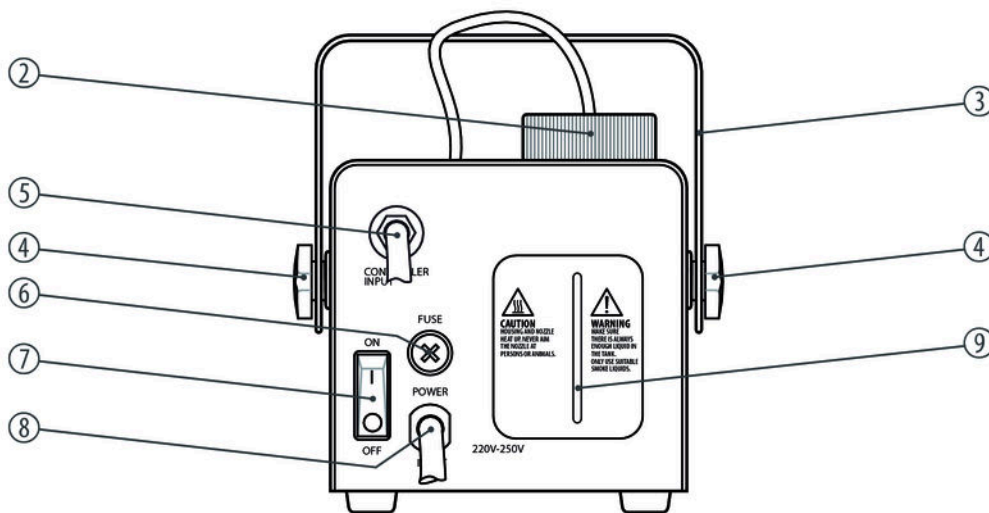
Front panel



AF-40 / AF-40 LED

| | AF-40 | AF-40 LED |
|---|------------------------------------|------------------------------------|
| 1 | Fog nozzle | Fog nozzle |
| 2 | Fog fluid container with screw-cap | Fog fluid container with screw-cap |
| 3 | Carrying handle and bracket | Carrying handle and bracket |
| 4 | Screws for adjusting the bracket | Screws for adjusting the bracket |
| 5 | – not available for this version – | 3 × 1 W LEDs (2 × amber, 1 × red) |

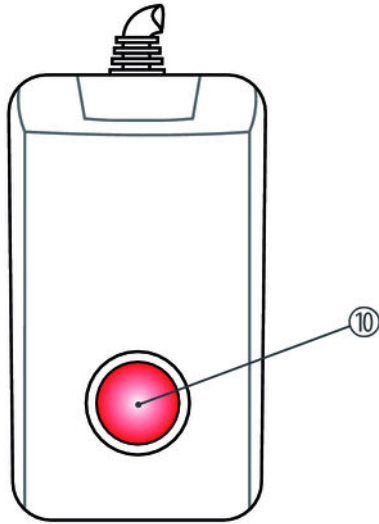
Rear panel



AF-40 / AF-40 LED

| | AF-40 | AF-40 LED |
|---|--|--|
| 2 | Fog fluid container with screw-cap | Fog fluid container with screw-cap |
| 3 | Carrying handle and bracket | Carrying handle and bracket |
| 4 | Screws for adjusting the bracket | Screws for adjusting the bracket |
| 5 | <i>[CONTROLLER INPUT]</i> Remote control cable | <i>[CONTROLLER INPUT]</i> Remote control cable |
| 6 | <i>[FUSE]</i> Fuse holder | <i>[FUSE]</i> Fuse holder |
| 7 | <i>[ON/OFF]</i> Main switch. Turns the device on and off. | <i>[ON/OFF]</i> Main switch. Turns the device on and off. |
| 8 | <i>[POWER]</i> Mains cable for power supply | <i>[POWER]</i> Mains cable for power supply |
| 9 | Liquid level indicator. | Liquid level indicator. |

Remote control



| | AF-40 | AF-40 LED |
|----|---|---|
| 10 | <p>Press this button to emit fog.</p> <p>The built-in indicator light shows that the unit has reached the operating temperature necessary to produce fog.</p> | <p>Press this button to emit fog while activating the LED effect.</p> <p>The built-in indicator light shows that the unit has reached the operating temperature necessary to produce fog.</p> |

6 Operating

Filling the unit



NOTICE!

Possible damages caused by unsuitable fog fluid

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

Only use the fog fluids listed on www.thomann.de and follow their instructions for use.

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

Open the screw-cap of the liquid container and fill in the fog fluid. Make sure that no fog fluid is spilled or gets into the device. The easiest way is using a funnel. The container capacity is 0.25 litre.

Screw the cap firmly back on.

Turning the unit on



NOTICE!

Fire hazard

Do not operate the machine unattended.

Connect the device to the mains power grid and turn on the main switch. The unit is heating up.

As soon as the required operating temperature is reached, the indicator light on the remote lights up. The device is now operational.

Operating AF-40

Press the red button on the remote control to trigger fog burst.

Operation with an empty fluid container can lead to overheating and permanent damage of the pump. When operating, always ensure that there is sufficient fog fluid in the liquid container to avoid no-load running.

Operating AF-40 LED

Press the red button on the remote control to trigger fog burst.

The 3 coloured LEDs light up while fog is emitted.

Operation with an empty fluid container can lead to overheating and permanent damage of the pump. When operating, always ensure that there is sufficient fog fluid in the liquid container to avoid no-load running.

Turning the unit off

Disconnect the device from the mains. Transport the device only when it is completely cooled down. To avoid leaking fog fluid during transport, you should transport the device only with empty fluid container.

7 Technical specifications

| | AF-40 | AF-40 LED |
|--------------------------|--|--|
| Heater power | 400 W | 400 W |
| Fog output | approx. 85 m ³ /min | approx. 85 m ³ /min |
| Fluid consumption | approx. 16 ml / min | approx. 16 ml / min |
| Blast distance | approx. 2 m | approx. 2 m |
| Blast duration | 30 s | 30 s |
| Post-heating time | approx. 60 s | approx. 60 s |
| Fluid container capacity | 0.25 l | 0.25 l |
| Warm-up time | approx. 5 min | approx. 5 min |
| Operating supply voltage | 230 V ~ 50 Hz | 230 V ~ 50 Hz |
| Fuse | 5 mm × 20 mm, 3.15 A, 250 V, fast-acting | 5 mm × 20 mm, 3.15 A, 250 V, fast-acting |

Technical specifications

| | | |
|------------------------|-----------------------------------|----------------------------------|
| Power consumption | 400 W | 370 W |
| Light source | – not available in this version – | 3 × 1 W LED (2 × amber, 1 × red) |
| Dimensions (W × H × D) | 280 mm × 190 mm × 150 mm | 260 mm × 135 mm × 140 mm |
| Weight | 2.1 kg | 2.2 kg |

Environmental conditions

| | |
|-------------------|----------------------|
| Temperature range | 0 °C...40 °C |
| Relative humidity | 50 %, non-condensing |

8 Troubleshooting

In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

| Symptom | Remedy |
|---------------------------------|--|
| The unit does not work | Check the mains connection and the main fuse. |
| The unit does not eject any fog | 1. Check the fluid level in the fog fluid container. |
| | 2. Switch the device off and check the hose that leads into the fluid container for unobstructed flow. |

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at www.thomann.de.

9 Cleaning



NOTICE!

Possible damages caused by unsuitable cleaning agents

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

Only use the fog machine cleaners listed on www.thomann.de and follow their instructions for use.

Clean the appliance after every 30 operating hours, or 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. ➤ Take the suction hose out of the fluid container of the fog machine and put it into the bottle with the cleaning fluid.
4. ➤ Connect the device to the mains.
5. ➤ Wait until the required operating temperature is reached.

- 6.** ▶ Keep the remote control button pressed and release fog for about 20 seconds.
- 7.** ▶ Put the suction hose back into the fluid container of the fog machine and release fog for another 20 seconds. This rinses the pipes.
 - ⇒ The cleaning is completed.

10 Protecting the environment

Disposal of the packaging material



For the 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 just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device



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

Dispose of this device through 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. If in doubt, consult your local waste disposal facility.

AF-40 / AF-40 LED



