SFI-1500

SMOKE MACHINE – 1.500W WITH CONTROLLER REMOTE AND WIRELESS REMOTE



SFI-1500

USER MANUAL 3



USER MANUAL

1. Introduction

Thank you for buying the **SFI-1500.** Please read the manual thoroughly before bringing this device into service. Make sure that the device was not damaged in transit. If the device is damaged, contact your dealer and postpone installation of this device.

2. Safety Instructions

	Be careful during the installation : touching live wires can cause life-threatening
	Do not touch the device during operation as the housing heats up.
	Keep this device away from rain and moisture.
	Unplug the mains lead before opening the housing

• Damage caused by disregard of certain guidelines in this manual is not covered by the warranty and the dealer will not accept responsibility for any ensuing defects or problems.
• A qualified technician should install and service this device.
• Do not switch the device on immediately after it has been exposed to changes in temperature.
Protect the device against damage by leaving it switched off until it has reached room temperature.
• This device falls under protection class I. It is therefore essential that the device be earthed. Have a qualified person carry out the electric connection.
• Make sure that the available voltage does not exceed the voltage stated in the specifications of this manual.
• Do not crimp the power cord and protect it against damage. Have an authorized dealer replace it when damaged.
• Disconnect the device from the mains to clean it or when it is not in use. Handle the power cord by the plug only.
• Note that damage caused by user modifications to the device are not covered by the warranty.
• Keep the device away from children and unauthorized users.
• Do not aim the device at anyone.
• Use adapted smoke liquid only and don´t pour hot liquid into the tank.
• Make sure there is always enough liquid in the tank to keep the device from overheating.

3. General Guidelines

• This device is designed for professional use on stage, in discos, theatres, etc. The SFI-1500 should only be used indoors with an alternating current of max.230VAC/50Hz.
• Smoke machines are not designed for permanent operation: regular operation breaks will prolong their lives.
• Do not shake the device. Avoid brute force when installing or operating the device.
• Select a location where the device is protected against extreme heat, dust and moisture. Ensure a minimum distance of a 0.5m between the device and any nearby surface or passer-by.
• Use an appropriate safety cable to fix the device when mounted overhead.
• Familiarise yourself with the functions of the device before actually using it. Do not allow operation by unqualified people. Any damage that may occur will most probably be due to unprofessional use of the device.
• Use the original packaging if the device is to be transported.
• All modifications of the device are forbidden for safety reasons.
• Only use the device for its intended purpose. Other uses may lead to short circuits, burns, electroshocks etc. Using the device in an unauthorized way will void the warranty.

4. Description

Refer to the illustrations on page **2**.

1	Nozzle
2	Mointing bracket
3	liquid tank with screw cap
4	Controller 4a Wireles remote

5	controller input
6	fuse holder
7	power ON/OFF switch
8	power cord
9	feeder tube
10	liquid level window

5. Installation

Refer to the illustrations on page **2** of this manual.

a) Smoke liquid

• Unplug the device **[8]** before filling the tank **[3]**.

• Only use non-inflammable water-based smoke fluid without oil or grease, such as FLN-5 (5 litres) or FLG-5 (5 litres high density smoke liquid)

• Non-recommended smoke liquid may damage the machine and void the warranty.

1. Unplug the device from the mains **[8]**.
2. Unscrew the cap from the tank **[3]**.
3. Carefully pour smoke liquid into the tank (do not overfill it!).
4. Close the screw cap firmly.
5. Gently slide the feeder tube **[9]** into the reservoir until the tip touches the bottom.

Remark: Do not operate the device when the tank [3] is open.

b) Fuse

• Only fit or replace a fuse when the device is unplugged from the mains.

• Replace a blown fuse with a fuse of the same type and rating (see "**8.Technical Specifications**"):

1. Unplug the device from the mains **[8]**.
2. Unscrew the fuse holder **[6]** at the back with an appropriate screwdriver.
3. Remove the old fuse and install a new one.
4. Replace the fuse holder **[6]** and fasten it with the screwdriver.

c) Mounting the device

Note: when mounting the device under an angle, do not fill the tank **[3]** completely to avoid spilling liquid from the tank into the machine.

• Have the device installed by a qualified person, respecting EN 60598-2-17 and all other applicable norms.

• The construction to which the device is attached should be able to support 10 times the weight of the device for one hour without deformation.

• The installation must always be secured with a secondary attachment e.g. a safety cable

• Never stand directly below the device when it is being mounted, removed or serviced. Have a qualified technician check the device once a year and once before you bring it into service.

• Install the device in a location with few passers-by that is inaccessible to unauthorised persons.

• Overhead mounting requires extensive experience: calculating workload limits, determining the installation material to be used… Have the material and the device itself checked regularly. Do not attempt to install the device yourself if you lack these qualifications as improper installation may result in injuries.

• Make sure there is no flammable material within a 50cm radius of the device.

• Have a qualified electrician carry out the electric connection.

• Connect the device to the mains with the power plug **[6]**. Don´t connect it to a dimming pack.

• The installation has to be approved by an expert before the device is taken into service.

6. Use

Refer to the illustrations on page **2** of this manual.

• Connect the device to the mains **[6]** and flick the power switch **[7]** at the back of the device to ON. After the warm-up time (approx. 8 minutes) the device is ready for use. The red indicator light **[4/4a]** is now lit.

• Activate/deactivate the smoke output with the push button **[4/4a]**.

• It may happen that the standby lamp on the controller [4/4a] is off and the smoke emission stops, even while you are holding the button. In this case the device is warming up again and will be ready to resume operation in a few minutes´ time. This process guarantees an appropriate vaporization temperature and the best smoke emission possible.

7. Cleaning and Maintenance

1. All screws should be tightened and free of corrosion
2. Mechanically moving parts must not show any signs of wear and tear
3. The electric power supply cables must not show any damage. Have a qualified technician maintain the device.
4. Disconnect the device from the mains prior to maintenance activities.
5. Wipe the device regularly with a moist, lint-free cloth. Do not use alcohol or solvents.
6. There are no user-serviceable parts, apart from the fuse (see “5.Installation”).
7. Contact your dealer for spare parts if necessary.
8. Clean the heating element after every 30 hours of use with a special cleaning liquid available from your dealer. Fill the tank with the cleaning liquid and let the machine run for a while. When the device is cleaned, remove the remaining cleaning liquid and rinse the tank thoroughly with distilled water. Never use regular water for cleaning or rising!

8. Technical Specifications

power supply	max. 230Vac/50Hz
power consumption	max. 1500W
fuse	F 3A, 250VAC (5 x 20mm)
smoke output	580m3/min.
warm-up time	approx. 8 minutes
tank capacity	2.5 litres
dimensions	490 x 235 x 330mm (without bracket)
weight	8,5 kg

Use this device with original accessories only. SF Audio cannot be held responsible in the event of damage or injury resulted from (incorrect) use of the device. For more info concerning this product and the latest version of this manual, please visit our website www.sfaudio.es The information in this manual is subject to change without prior notice.

Important environmental information about this product



This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment. Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling. This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules. **If in doubt, contact your local waste disposal authorities.**