

USER MANUAL

FENIX SERIES

ACTIVE SUBWOOFER

FENIX 108A



TECshow

by **AMERICAN
PRO**

www.american-pro.com

-Read carefully this manual before connecting or operating the equipment.

Intended use

This speaker box is exclusively meant for the reproduction of audio signals according to instructions and specifications given in this manual. We are not liable for any damage caused by unintended use.

SAFETY INSTRUCTIONS

For your own safety you must read through this chapter at first, before you connect the device!

- Never submerge the speaker box in water. Liquid getting into the box will risk a short circuit and will be hazardous.
- Do not expose the speaker box to direct precipitation and never use it in a damp or wet environment. This speaker box was developed for indoor use only. Do not use it outdoors.
- Do not place the speaker box in locations that are subject to high temperatures, direct sunlight, or excessive dust.
- Never operate the speaker box in the vicinity of heat sources such as cookers, heating elements or other heat producing installations.
- Keep children away from the speaker box. Children frequently underestimate the dangers of electrical devices.
- Keep sufficient distance from the speaker box when operated with high volume level. Listening to music with high sound pressure level may cause permanent damage to your hearing!
- Flying and installation of this speaker cabinet must be carried out by suitably qualified personnel following the approved safety standards.
- Do not attempt to clean the plastic enclosure with solvents or petrochemical based cleaners.
- Do not place objects which are sources of heat on the speaker cabinet such as lighting equipment or smoke machines.
- Do not stack the speaker cabinet in a manner that could cause injury should a cabinet become dislodged.
- Before connecting or operating this speaker box, please study and follow the instruction manuals of all devices connected to the box, paying particular attention to the operating precautions and wiring procedure.

INSTALLATION

Unpack and check carefully 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.

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

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.

NOTICE!

Possible property damage by magnetic fields

Loudspeakers produce a static magnetic field. Therefore, maintain an appropriate distance to devices that can be adversely affected or damaged by an external magnetic field.

Use of stands

When mounting the device onto a stand, ensure that the stand is in a safe and stable position and that the weight of the device does not exceed the maximum permissible load capacity of the stand.

TIPS ON HANDLING SPEAKERS

We recommend you to set up the speakers in a way, that the sound signals can reach the audience unobstructed. It will often be helpful to mount the speakers on tripods. Thus, the sound will be evenly spread with maximum range throughout the audience area.

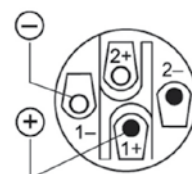
Always use high grade cable to connect your equipment. Otherwise you won't reach maximum sound quality.

For optimum results both impedance and power handling of the speakers must match the requirements of the amplifier. Always follow the technical specifications of the speakers! The overall impedance of the connected loudspeakers must not exceed the minimum output impedance of the amp. The amp's max. RMS output power should be 50 % above the power handling capacity of the connected speakers.

If you notice distortion during operation, either the amp or the speaker is overloaded. This may permanently damage the amp or the speaker. Always reduce the volume when you hear distortion.

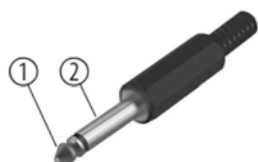
PIN ASSIGNMENT

- 1.-INPUT:** A 1/4" / NL4 combo socket (1+/1-) serves as input.
- 2.-OUTPUT:** A 1/4" / NL4 combo socket (1+/1-) serves as output for another passive speaker.



•Pin assignment of the lockable NL4 mounting connectors

•Phone plugs for speaker connections



Drawing and table indicate the pin assignment of a 1/4" TS phone plug.

1.-Signal

2.-Ground, shielding

XLR connectors as signal inputs

XLR/1/4" combi sockets (balanced wiring) as signal inputs. Drawing and table indicate the pin assignment of XLR plugs to be used with the unit.

1.- Ground, shielding

2.- Positive signal (+)

3.- Negative signal (-)

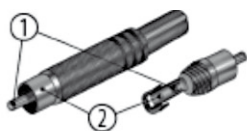


RCA connectors as signal inputs

Drawing and table indicate the pin assignment of RCA plugs to be used with the unit.

1.- Signal

2.- Ground, shielding



1. POWER

This pilot lamp indicates that the device is switched on and operational.

2. SIG

This pilot lamp indicates an incoming input signal.

3. CLIP

Indicates overloading (Clipping). In this case the level of the input signal is too high.

4. BASS

Use this control to increase or attenuate the low frequencies.

5. VOLUME

Overall volume control (built-in subwoofer and connected external speakers).

6. Phase switch.

Shifts the phasing of the subwoofer signal by 180°, if required. Thus, unwanted extinction effects due to interaction with other speakers can be avoided.

7. INPUT

RCA jacks as signal inputs.

8. INPUT

XLR/1/4" combi sockets as signal inputs.

9. OUTPUT

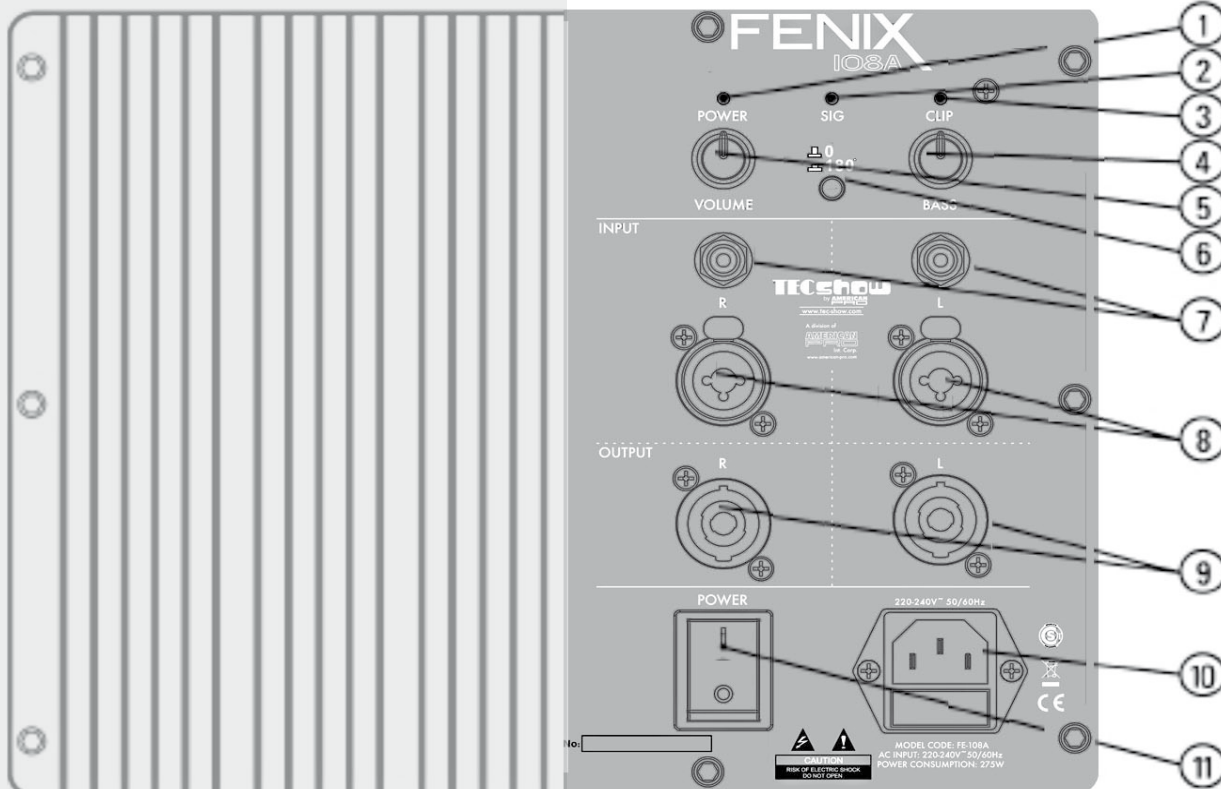
NL4 sockets as connections for a pair of passive speakers.

10. IEC chassis connector with fuse holder for operating voltage supply.

11. POWER

Mains switch to power the unit on and off.

CONNECTIONS





FEATURES

Special features of the device:

- **Inputs:** *XLR/1/4" combi sockets, RCA sockets*
- **Outputs:** *2 lockable NL4 mounting connectors for passive speaker boxes (top)*
- *8" woofer*
- *Volume and bass control*
- *Black textured coating*

TECHNICAL SPECIFICATIONS

- **Inputs:**
XLR/1/4" combi sockets (balanced),
RCA sockets (unbalanced)
- **Input impedance:**
20 k Ω (balanced), 10 k Ω (unbalanced)
- **Outputs:**
Lockable NL4 mounting connectors
- **Frequency response:**
40...125 Hz
- **Output power:**
100 W (RMS) for built-in speaker
- **Passive speaker output (top):**
2 \times 60 W (RMS) @ 4 Ω
- **Crossover frequency:**
120 Hz
- **SPL:** 116 dB (max.)
- **Power supply:**
AC 220 – 240 V, 50/60 Hz
- **Power consumption:**
275 W
- **Fuse:**
3.5 A / 250 V, slow blow, 5 mm \times 20 mm
- **Dimensions (W \times D \times H):** 360 \times 300 \times 435 mm
- **Weight:** 11.5 kg

OUR PRODUCTS ARE SUBJECT TO A PROCESS OF CONTINUAL FURTHER DEVELOPMENT.
THEREFORE MODIFICATIONS TO THE TECHNICAL FEATURES REMAIN SUBJECT TO CHANGE WITHOUT FURTHER NOTICE.

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