

# AMERICAN AUDIO



Senseries Professional Speaker Line  
Owners Manual

Thank you for choosing the American Audio Sense speaker series. In order to take maximum advantage of the speaker's features and ensure optimum performance and longevity, please read this manual carefully before using the speaker system. Keep the manual in safe place for future reference.

## Introduction

The Sense Series by American Audio is a multifunctional, compact, and lightweight speaker series for flexible yet ambitious sound applications. Sense series speakers were designed to be used as main house sound source but their asymmetrical shape is perfect for stage monitor needs. Each Sense series speaker's crossover has been fine tuned for optimal acoustic and dynamic response.

The Sense series subs are built with heavy-duty woofers with 100mm Voice coils and are designed for long woofer excursion. This allows maximum bass displacement giving you a fat, deep, rumbling bass sound.

All the sense series speakers are built with High quality Plywood, equipped with a steel grille for maximum driver protection, and are treated with a long lasting black finish.



This symbol is intended to alert the user to the presence of non insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**CAUTION:** Risk of the electrical shock - **DO NOT OPEN!**

**CAUTION:** To reduce the risk of electrical shock, do not remove cover. No user serviceable parts inside. Refer all servicing to qualified service personnel.

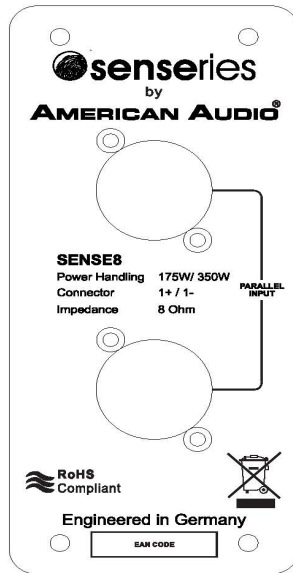
**WARNING:** To prevent electrical shock or fire hazard, do not expose this amplifier to rain or moisture. Before using this amplifier, read the user manual for further warnings.

- If you use a stand, make sure to observe the following precautions in order to avoid toppling the device or causing damage to the internal components.
  - Check the stand's specifications and make sure that it is sturdy enough to support the weight of the speaker.
  - Mount only one speaker on each speaker stand.
  - Use the supplied screws if included.
  - Tighten fastening screws securely.
  - Use the speaker stands with their legs fully opened.
  - Use the stand at a height of less than 140cm.
  - Add weight such as sand bags around the stand legs to prevent them from falling over.
  - Remove the speakers from the stands before moving the stands or adjusting their height.
  - Limit the number of people around the placed stand.
- Always consult qualified service personnel if the device installation requires construction work, and make sure to observe the following precautions.
  - Choose mounting hardware and an installation location that can support the weight of the device.
  - Avoid locations that are exposed to constant vibration.
  - Make sure to use the specified hardware.
  - Inspect the device periodically.
- When transporting or moving the device, always use two or more people. Attempting to lift the device by yourself may damage your back, result in other injury, or cause damage to the device itself.
- Before moving the device, remove all connected cables.
- Do not expose the device to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration or damage to the internal components.
- Do not place the device in an unstable position where it might accidentally fall over

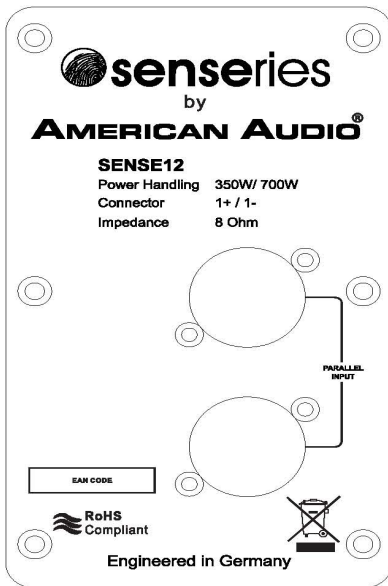
#### **Connecting to power Amplifier**

- Before connecting the you speakers to an Amp make sure that the Amp is Off. Before turning the power on or off for all devices, set turn down the level all the way.
- Use only speaker cables for connecting speakers to the speaker jacks. Use of other types of cables may result in fire.
- Be sure to observe the amplifier's rated load impedance, particularly when connecting speakers in parallel. Connecting an impedance load outside the amplifier's rated range can damage your amplifier.

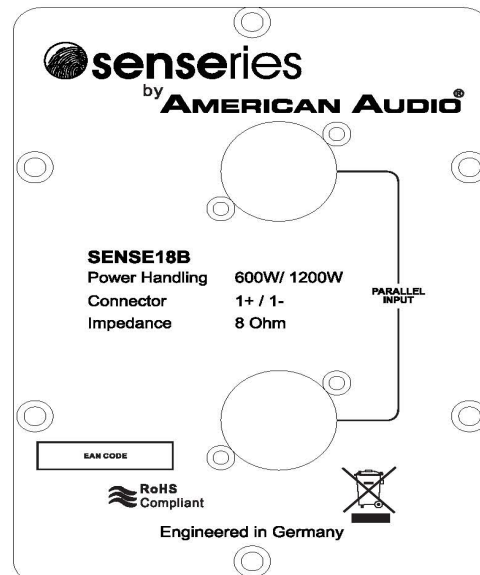
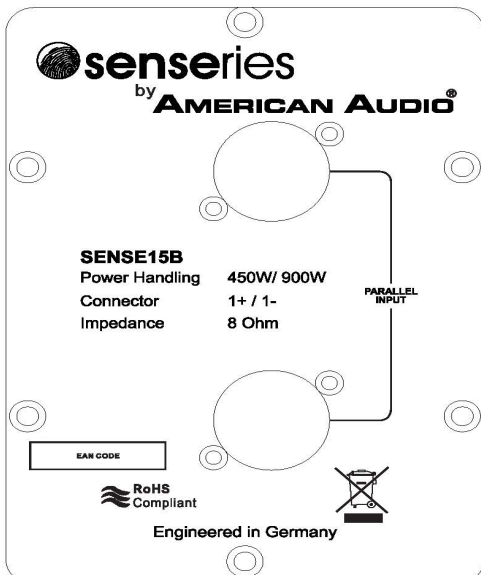
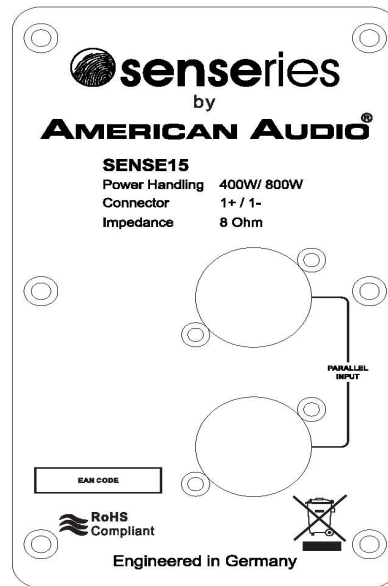
### Sense 8 Speaker



### Sense 12 speaker



### Sense 15 speaker





	Sense 8	Sense 12	Sense 15
<b>Power Rating</b>	175W Cont. 350W PGM. 700W Peak	350W Cont. 700W PGM. 1400W Peak	400W Cont. 800W PGM. 1600W Peak
<b>Recommended Amp. Power</b>	280-420W @ 8Ω	560-840 @ 8Ω	640 -760 @ 8Ω
<b>Impedance</b>	8Ω	8Ω	8Ω
<b>Nominal Dispersion (H x V)</b>	90° x 60°	75° x 50°	75° x 50°
<b>Freq. Response (-3dB)</b>	88Hz-20kHz	59Hz-20kHz	52Hz-20kHz
<b>Freq. Range (-10)</b>	75Hz-21kHz	51Hz-21kHz	42Hz-21kHz
<b>Crossover LF/HF Curve</b>	2800Hz 12dB/18 dB Oct.	1800Hz 12dB/18 dB Oct.	1800Hz 12dB/18 dB Oct.
<b>HF Driver</b>	1" Compression D	1" Compression D	1" Compression D
<b>Woofers</b>	8" PA850	12" PA1575	15" PA1575
<b>Monitor Angle</b>	45°	45°	45°
<b>Connection</b>	NL4 x 2	NL4 x 2	NL4 x 2
<b>Dimension (LxWxH) mm</b>	250 x 436 x 230	360 x 640 x 325	430 x 678 x 370
<b>Weight</b>	10Kg	18Kg	22Kg

## Subwoofers

	Sense 15B	Sense 18B
<b>Power Rating</b>	450W Cont. 900W PGM. 1800W Peak	600W Cont. 1200W PGM. 2400W Peak
<b>Recommended Amp. Power</b>	720-1180 @ 8Ω	960- 1440 @ 8Ω
<b>Impedance</b>	8Ω	8Ω
<b>Freq. Response (-3dB)</b>	45-200Hz	42-200Hz
<b>Freq. Range (-10)</b>	40-250Hz	36-250Hz
<b>Woofers</b>	15" Long excursion	18" Long excursion
<b>Sensitivity (Half Space)</b>	102dB SPL	103dB SPL
<b>Connection</b>	NL4 x 2	NL4 x 2
	135dB Peak	136dB Peak
<b>Dimension (LxWxH) mm</b>	430 x 550 x 550	520 x 650 x 600
<b>Weight</b>		