

# HA series



## HA-500

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988  
Fuente del Jarro - Valencia - Spain - Tel. +34961340860  
Updated (DD/MM/YYYY): 21/02/2025



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## KEY FEATURES

- Input Sensitivity Selector
- 250 W + 250 W at 4  $\Omega$
- Stereo/Bridged/Parallel Operation
- SpeakON output connectors
- Clip, protection and signal present LED indicators

## DESCRIPTION

The HA 500 is part of the HA Series, a high-performance 2U rack-mount amplifier line designed for both installation and live portable audio applications. Delivering 150 W per channel at 8 ohms, 250 W per channel at 4 ohms, and up to 500 W in bridged mode, the HA 500 is an ideal choice for small to medium-sized systems requiring reliability and powerful sound in a compact form factor.

Leveraging advanced Class-H topology, the HA 500 dynamically adjusts the supply voltage to the output devices, ensuring it never exceeds what is required to support the signal swing. This design minimizes energy dissipation, enhances efficiency at all power levels, and significantly reduces energy consumption compared to traditional Class AB designs. The result is exceptional audio quality with low distortion, optimized for high-power applications.

The HA 500 supports multiple operating modes, including dual independent single-ended outputs, parallel outputs, and single-channel bridge mode, making it versatile for a wide range of setups. With a frequency response of 20 Hz to 20 kHz, a signal-to-noise ratio of over 100 dB, and ultra-low total harmonic distortion (<0.5%), this amplifier ensures outstanding audio clarity and vocal intelligibility, even in demanding environments.

To protect both the amplifier and connected systems, the HA 500 incorporates a suite of advanced safety features. These include protection against short circuits, RF interference, and on/off muting, alongside a temperature-controlled variable-speed fan cooling system with front-to-back airflow. This design maintains optimal operating temperatures, ensuring consistent performance regardless of environmental conditions or output demands.

Equipped with speakON connectors, binding post terminals, and XLR input and loop-thru connections, the HA 500 integrates seamlessly into mobile and permanent setups. Its slim and lightweight design (88 x 482 x 239 mm, 9.6 kg) maximizes space efficiency in rack-mounted configurations while ensuring durable performance.

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## SPECIFICATIONS

### Output Power Ratings

Power 8 Ohms, Both Channels Driven	2 x 150 W
Power 8 Ohms Bridged	500 W
Power 4 Ohms, Both Channels Driven	2 x 250 W

### Electronics and Connectors

Amplifier Channels	2
Frequency Response	20 Hz - 20 kHz, +0 - 1 dB
Total Harmonic Distortion	<0.5% , 20 Hz - 20 kHz
Signal to Noise Ratio	> 100 dB @ 20 Hz - 20 kHz
Input Impedance	20 kohms
Voltage gain	27 dB
Damping Factor	> 200 @ 10 Hz - 400 Hz
Controls	Power On/Off, Gain Pots
Cooling	Internal heat sinks with forced air: Fan cooled
Amplifier Protections	Protection against short circuits, no-load, on/off muting, RF interference.
LED Indicators	Power, Protection, Signal, Clip
Audio Signal Input Connector	2 x Female XLR
Audio Signal Loop Thru Connector	2 x Male XLR
Speaker Output Connector	2 x speakON
Current Draw 230 V / 115 V	2.8 A / -

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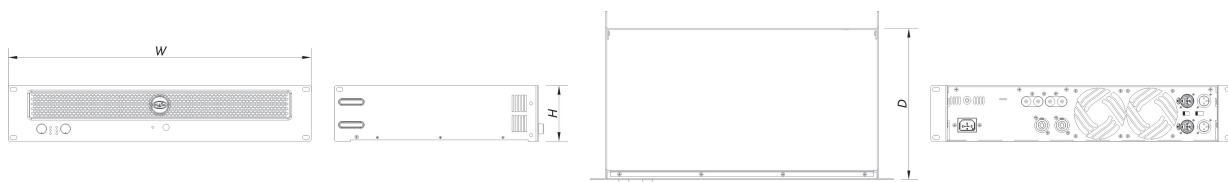
## Dimensions-Weight

Dimensions ( H x W x D )	88 x 482 x 239 mm
	3,5 x 19,0 x 9,4 in
Net Weight	9,6 kg ( 21,2 lb )

## Shipping

Carton Dimensions ( H x W x D )	160 x 580 x 540 mm
	6,3 x 22,8 x 21,3 in
Shipping Weight	11,5 kg ( 25,3 lb )

## DIMENSIONS



## ORDERING INFORMATION

Model	Description	P/N
<b>System</b>		
HA-500		10719000

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