

HSA300

HIGH IMPEDANCE (70/100V)

High Impedance Mono Amplifier



PRODUCT OVERVIEW

The HSA300 is a single channel amplifier with direct 100 V line (high impedance) output. It's equipped with Ecler's proprietary SPM 100 Technology - Channel N, which allows for 100 V speaker lines connection without using 100 V line transformers, as this kind of amplifiers usually do. This fact has many advantages, being the main one the excellent audio quality, specially improved in the low-end frequencies when compared to classical 100V line amplifiers.

KEY FEATURES

- 1 mono balanced input
- 1 x 260 W output (100V line level)
- Euroblock connectors
- SPM 100 amplification Technology - Channel N (no 100V output transformers used):
 - Improved frequency response (specially at the low-end)
 - Great efficiency
 - Low weight
- Butterworth, 3rd order high pass filter @ 70Hz
- Thermal protection
- Overload protection
- Anti-clip system
- Volume control knobs on front panel with protection cap, against undesired manipulation

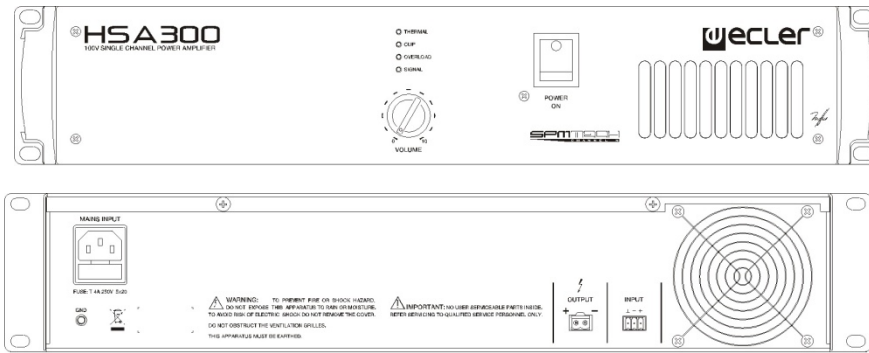
APPLICATIONS

- Single or multi-zone BGM and paging systems with 100V line speakers, combined with the DAM, MIMO and SAM / eSAM series preamplifiers / processors

CERTIFICATIONS

- EN60065:2014
- EN55103-1:2009
- EN55103-2:2009
- 2006/95/EC
- 2004/108/CE

MECHANICAL DIAGRAMS



TECHNICAL DATA

Power Output	
@ 100VRMS @ 1% THD:	254 WRMS @ 32Ω
@ 100VRMS @ 10% THD:	302 WRMS @ 32Ω
All Channels @ 25Ω	N/A
1 Channel @ 4Ω	N/A
1 Channel @ 8Ω	N/A
All Channels @ 4Ω	N/A
1 Channel @ 2.666Ω	N/A
Frequency response (-1dB, -3dB)	30Hz - 35kHz
Filter (High-Pass) 3rd order Butterworth	70Hz
THD+Noise @ 1kHz Full Power	<0.07%
SNR	>85dB
Damping factor 1kHz @ 8Ω	N/A
Input sensitivity / Impedance	0dBV / >20k
Anticlip @ 2ddBV input	N/A
Mains voltage	See characteristics in the back of the unit.
Power consumption	
pink noise, 1/8 power	218VA @ 32Ω
pink noise, 1/3 power	319VA @ 32Ω
Dimensions	482.6x88x285mm
Weight	8.4kg