



AD500

4-CHANNEL AMPLIFIER WITH DSP
[100V|8Ω]



- Easy Install
- 100V Line Output
- Speaker Zone Output
- Dedicated Presets
- Space Saving
- 4Ω Minimum Imp.

The AD500 is a 4 x 125 W Class D multi-purpose installation amplifier in 1RU half rack unit with flexible power distribution among its four output channels power sharing up to 250W per channel driving both conventional low impedance (4Ω to 16Ω) loudspeakers and high impedance (70V/100V) transformer coupled loudspeakers or any mix of the two. The on board, state-of-the-art, full matrix, DSP engine can be configured to suit a wide range of tasks, without the need for additional equipment, to drive a wide range of loudspeaker systems. Everything you need is right there. The close integration of processing and amplification allows the DSP to monitor and better adapt to amplifier behavior, making dynamics processing far more accurate and effective than that typically achieved with separate components. The active PFC (Power Factor Correction) power supply technology enables universal AC mains operation and delivers consistent, regulated power worldwide.

Product Type Class D Amplifier with DSP	Frequency Response 20Hz - 20kHz (+0 / -0.25dB)	Amplifier Technology UMAC Class D - Full Bandwidth PWM Modulator With Ultra-Low Distortion	Power Consumption 150W
Number of Amplifier Channels 4 Channels Low Impedance (LoZ) / 2 Channels High Impedance (HiZ)	Amplifier Power - Stereo 8Ω 4 x 125W	Amplifier Power - Stereo 4Ω 4 x 125W	Fixation 1U 19" Rack Mount Wall / Desktop Mount (Necessary Accessories Not Included)
Amplifier Power - 100V 2 x 250W	Amplifier Power - 70V 2 x 250W	Speaker Output 4Ω - 16Ω 70V 100V	Accessories 19" Rack Mount Kit Wall / Desktop Mount Kit (not included)
Zones Output 4-Zones Output	THD+N <0.05% (20Hz-20kHz, 8Ω load, 3dB below rated power)	SNR (Signal to Noise Ratio) >106dB (A-weighted, 20Hz-20kHz, 8Ω load)	Special Features GPIO Functions: Standby, Mute, Volume Control, Trigger IN, Trigger OUT
Output Voltage 70Vp / 140Vpp (unloaded) Bridged 140Vp / 280 Vpp (unloaded)	DSP Technology Ultimate DSP with Wi-Fi and Ethernet Connection	DSP Adjustable Parameters Filters: PEQ, FIR, hi/lo-shelving, all-pass, band-pass, hi/lo-pass Limiters: RMS Voltage, Peak Voltage GPIO Functions Routing	Net Weight 2.8kg (6.2 lbs)
DSP Presets Allows to Store and Load Individual Presets as well as Preset Libraries	Delay Adjustment 100ms (34.3m) per Output	Control Type Controlled Via Webpage - Compatible with Desktop, Tablet and Mobile Phone (Wireless or Cable 1 x RJ45)	Dimensions (WxHxD) 44 x 220 x 319mm (1.7 x 8.7 x 12.6 in)
Wireless Connection System Works as a Wi-Fi Access Point (WAP) or Wi-Fi Client	Audio Signal Inputs 4 x Analog Unbalanced Inputs 4 x Analog Balanced Inputs Stereo S/PDIF	Input Connectors 4 x RCA 2 x 6-Pole 3.5mm Phoenix Type 1 x RCA 8 x GPIO	Shipping Weight 3.5kg (7.7 lbs)
Audio Signal Outputs Stereo S/PDIF	Output Connectors 1 x RCA 8 x GPIO	Speakers Output Connectors 2 x 4-Pole 5mm Phoenix Type	Power Supply UREC Universal Mains Switch Mode Power Supply (SMPS) with Power Factor Correction (PFC) and Standby Converter
Protections Short Circuit, DC, Undervoltage, Temperature and Overload Protection	Operating Temperature Range 0°C - 40°C	Cooling Type Speed Controlled Fan	
	Power Input AC 100V - 240V 50Hz/60Hz	Mains Connector Standard IEC socket	