

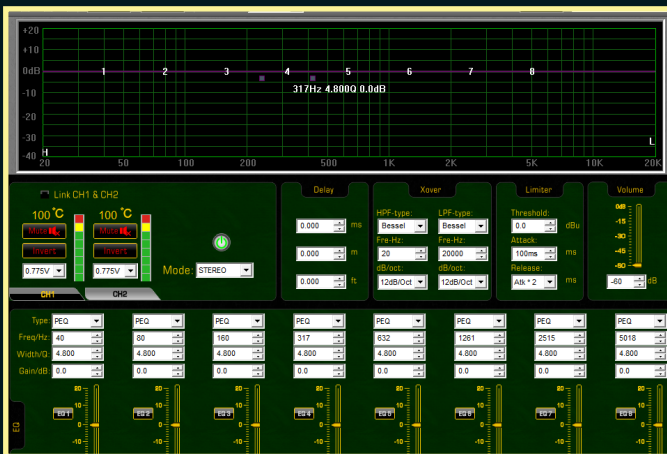


PD.Series

Professional DSP Controlled 2 Channel Stereo Class AB Amplifiers



The LA Audio PD.Series are DSP Controlled professional stereo power amplifiers with robust and powerful Class AB Outputs. These new amplifiers combine classic Class AB amplifier technology with advanced onboard speaker management and signal processing, unmatched system portability and affordability.



LAwave Control Software

The PD.Series of amplifiers can deliver up to 2800 Watts into an 4 Ohm bridge load making them a very convenient source of power in a 2U package. The powerful DSP can perform independent functions like crossover (with multiple filter types), 8-band parametric EQ, 1 second maximum delay or signal level limiter to protect your speakers. It can be easily adjusted either through the amplifier front panel and LCD screen or with the intuitive LAwave software on a laptop.

LA Audio: BRITISH ORIGINALS.

- 2 x 450w, 2x 720 & 2 x 980W Class AB with DSP and Windows software.
- LCD Display for DSP adjustment and real-time amplifier data.
- Configurable DSP controlled 8-band parametric EQ, Crossover, delay & limiter.
- Configuration software available to run on your laptop featuring USB interface.
- Extremely Rugged weighing only 6kg. High Quality metal construction. Sturdy, sleek & British quality - look pro, feel pro.

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PD.Series Technical Data

PD.Series Amplifiers

MODEL	PD.900	PD.1500	PD.2000
Power 8 Ohm RMS (EIA)	2x 290W	2x 440W	2x 580W
Power 4 Ohm Peak 40ms	2 x 450W	2 x 720W	2 x 980W
Power 2 Ohm Peak 40ms	2x 600W	2x 1000W	2 x 1250W
Power BRIDGE 8 Ohm Peak 40ms	1200W	2100W	2800W
Processor	DSP TMS320C672	DSP TMS320C672	DSP TMS320C672
Frequency response (+0/-0.5 dB)	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
Input Sensitivity (nominal)	1v	1v	1v
GAIN (nominal/ fixed)	34.5dB	36dB	37dB
Damping Factor	>= 60	>= 60	>= 60
S/N Ratio (unweighted)	>= 96dB (A-weighting)	>= 96dB (A-weighting)	>= 96dB (A-weighting)
THD+N	< 0.1%	< 0.1%	< 0.1%
Weight	5kg	5.1kg	5.7kg
Dimensions (mm)	483 x 382 x 89	483 x 382 x 89	483 x 382 x 89
Output Stage	Class AB	Class H	Class H
DSP Features			
Crossover filtering	Bessel, Butterworth, Linkwitz-Riley (12, 18, 24 and 48dB/Octave)		
8-band EQ type	Full parametric, high shelf (6 and 12dB/Octave), low shelf (6 and 12dB/Octave)		
Crossover/EQ operational frequency	band 20Hz to 20kHz, 1/36 Octave step pitch (19980 positions)		
Parametric EQ filter Q	Adjustable from 0.404 to 28.852		
Maximum delay	1000ms		
Limiter threshold	Adjustable from +20dBu to -20dBu, 0.1dBu steps		
Limiter release time	Adjustable to 2x / 4x / 6x / 8x / 16x / 32x the attack time		
Attack time	Adjustable from 0.3ms to 100ms, 0.1ms steps (from 0.3ms to 1ms) and 1ms steps (from 1ms to 100ms)		

