

ZEUS 2240DCA

2x240W 70/100V & 4-16ohm Class-D Power Amplifier

Engineered for high-reliability commercial audio systems, this rack-mount digital switching power amplifier combines high thermal efficiency, flexible output routing, and advanced circuit protection in a compact form factor designed for 24/7 continuous operation.

ZEUS 2240DCA power amplifier utilizes cutting-edge Class-D switching technology to deliver maximum thermal efficiency and exceptionally low power consumption. Designed for installation in standard 19-inch equipment racks, its high-density, low-profile chassis significantly reduces rack space requirements while dramatically minimizing heat generation compared to traditional linear amplifiers.



PRODUCT DETAILS

Key features

Amplifier Topology	Class-D Digital Switching Technology
Form Factor	19-inch Rack-Mountable (Compact Chassis)
Rated Channel Power Output	240 W via Phoenix Terminals
Output Modes	Low-Impedance (4-16 Ω) & High-Impedance (70 V / 100 V Distributed Lines)
Audio Input	Balanced Line Input via Phoenix Connectors with Input Gain Control
Power Saving	Selectable Auto-Standby Function per Channel (Ultra-low Power Mode)
Signal Processing	Selectable 80Hz Low-Pass Filter (LPF) per Channel
Protection Circuitry	Short Circuit, Overload, Thermal, DC Fault, Clipping Limiters
Status Monitoring	Front-Panel LED Diagnostics Indicators
Thermal Management	Internal Sensor-Driven Variable-Speed Cooling Fans
Power Supply	Universal SMPS (110 V - 230 V AC, 50/60 Hz)

Specifications

Rated Output Power	2 x 240W
Speaker Output	100V & 8-16 Ohms
Frequency Response	20Hz - 20kHz (+1/-2dB)
Input Sensitivity (@ 1kHz)	0.775V, 0dBu
Input Impedance	10k Ω
Total Harmonic Distortion (THD)	< 0.1% (1kHz/-3dBv, 100W)
Signal-to-Noise Ratio (S/N Ratio)	> 80dB
Crosstalk	> 65dB, 1kHz, Max Output
Power supply	AC 110V/230V, 50-60Hz
Dimensions (W x D x H)	484 x 420 x 44 mm / 19.06" x 16.54" x 1.73" in
Weight	7 kg (15.43 lbs)