

DDA408 DDA408D DDA410 DDA410D DDA415 DDA415D

Professional Networked Audio Class D Amplifier with DSP & Optional Dante Integration



Description

This is a professional multi-purpose networked DSP digital power amplifier. It enables real-time remote monitoring of all operational parameters and full DSP configuration. The integrated DSP processor includes compression, limiting, noise gating, parametric equalization, matrix mixing and signal delay. The Mconsole software features an intuitive user interface that simplifies setup and delivers a seamless operating experience. Flexible connectivity options deliver superior configurability and expandability. It is ideal for a wide range of public address and commercial audio installations.

Features

- Optional 4-channel Dante network audio interface.
- TCP/IP network-based control and management for multiple amplifiers.
- Remote power control for amplifier on/off.
- 4.3-inch high-resolution color IPS capacitive touchscreen.
- Integrated digital signal processing (DSP) engine.
- Comprehensive connectivity options: USB, TCP/IP, RS232 and RS485.
- Real-time remote monitoring of all amplifier operational parameters.
- On-site device identification via software.
- Flexible operating modes: Matrix, Bridged Mono, with seamless switching.
- Three selectable input sensitivity levels: 0dBu, 6dBu and 12dBu, configurable via software or touchscreen.
- Standard FIR filtering capability with 4×2048 Taps processing power.
- Universal dual-mode output supporting 100V/70V constant voltage and $8 \Omega / 4 \Omega$ low impedance.
- Mconsole software provides unified control over media matrix processors and professional speaker processors.

- Wide-range AC power input: 180-264VAC.

Specifications

Model	DDA408/DDA408D	DDA410/DDA410D	DDA415/DDA415D
Number of Channels	4	4	4
Power	4*800W@8Ω 4*1600W@4Ω	4*1000W@8Ω 4*1600W@4Ω	4*1500W@8Ω 4*2000W@4Ω
Bridged Power	2*3200W@8Ω	2*3200W@8Ω	2*3200W@8Ω
100V	Bridge, Power: 2*1250W	Bridge, Power: 2*1250W	4*2000W
70V	4*1225W	4*1225W	4*1225W
Minimum Output Impedance	4Ω per channel		
Input Interface	Balanced input 4*XLR		
Output Interface	4*Spoken; 4*terminal blocks		
Maximum Input Level	20dBu/7.75V		
Sensitivity	12dBu: 28.3dB (26x) 6dBu: 34.3dB (51.8x) 0dBu: 40.3dB (103.5x)	12dBu: 29.3dB (29x) 6dBu: 35.3dB (58.2x) 0dBu: 41.3dB (116x)	12dBu: 31dB (35.5x) 6dBu: 37dB (70.8x) 0dBu: 43dB (141.3x)
S/N Ratio	100dB@12dBu, 1kHz		
Frequency Response	20Hz ~20kHz (±0.5dB) @1W, 8Ω		
THD+N	<1%@1W, to full power		
Sampling Frequency	48k/24bit		
Constant Voltage and Impedance	100V&70V, 8Ω&4Ω		
Dante (Optional)	4-channel Dante		
Display Screen	4.3" IPS capacitive touch screen		
Protection	Audio limiter, high temperature, DC, high frequency, short circuit, back electromotive force (EMF), peak current limiter, surge current limiter, power-on delay, power circuit breaker protection, and power overvoltage/undervoltage protection		
PC Software	Software controllable media matrix, audio processor, DSP amplifier, and active DSP module		
Power Supply	Voltage input 180/264VAC		
Dimensions (W*D*H)	485mm*460mm*90mm		
Package Dimensions (W*D*H)	590mm*585mm*165mm		
Net Weight	12.35kg		
Gross Weight	16.4kg		

Front / Rear Panel

