

# DDA408 DDA408D DDA410 DDA410D DDA415 DDA415D

## IP Network Digital Amplifier with DSP and Optional Dante



### Description

This device is a multi-functional network DSP digital power amplifier. It can monitor the status of amplifier and adjust the function of DSP in real time remotely. Built-in DSP functions with compressor, limiter, noise gate, PEQ, matrix mixer, delay etc. Mconsole software with its elegant interface provides people with easy setup and nice operation experience. Varieties of connection methods make it configurable and extensible. It is suitable for various occasions in the PA project.

### Features

- Dante network audio 4 channels in option.
- Network TCP/IP control and manage multiple devices.
- Remote on/off amplifier.
- 4.3" IPS colorful capacitive touch display.
- Build-in DSP processor.
- Support multiple connection: USB, TCP/IP, RS232, RS485.
- Real time remotely monitor status of amplifier.
- Support identified by software on site.
- Support working mode: Matrix, Bridge, free switch.
- Support 0dBu/6dBu/12dBu sensitivity three level adjustment, you can adjust it in software or display.
- Standard configured with FIR function, support 4x2048 Taps.
- Support constant pressure and resistance: 100V, 70V, 8Ω, 4Ω.
- Mconsole software can control media matrix processor, professional speaker processor at the same time.
- Wide voltage operation through 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

