

## DDA43A / DDA43D

### Networked IP Digital Amplifier with Integrated DSP and Dante



#### Description

The DDA43A and DDA43D are 4-channel DSP digital power amplifiers rated at 4x450W into 4Ω / 4x300W into 8Ω, with bridged operation delivering 2x900W into 8Ω. They feature dual-mode operation supporting both low-impedance and 70V/100V constant-voltage speaker systems (bridged 2x612.5W @ 70V / 2x900W @ 100V). These amplifiers enable real-time remote monitoring of all operational parameters and full DSP configuration. The integrated DSP processor includes noise gating, matrix mixing, parametric equalization, crossover filtering, signal delay and dynamic compression. With 4-channel Dante network audio support, they are ideal for diverse commercial and institutional installations.

#### Features

- 4-channel Dante network audio interface (DDA43D model exclusive)
- Independent 0dBu/6dBu input sensitivity adjustment per channel
- Remote standby and paging amplifier control
- High-resolution color IPS LCD display
- Professional balanced XLR audio inputs and heavy-duty binding post speaker outputs
- Flexible operating modes: stereo, bridged mono, parallel mono and free matrix mixing
- Comprehensive control options: USB, RJ45 Ethernet (TCP/IP), configurable RS232/RS485 central control, and GPIO external expansion interface
- Compatible with Mconsole PC software and TCON mobile app for network control
- Universal dual-mode output supporting 100V/70V constant voltage and 8Ω/4Ω low impedance

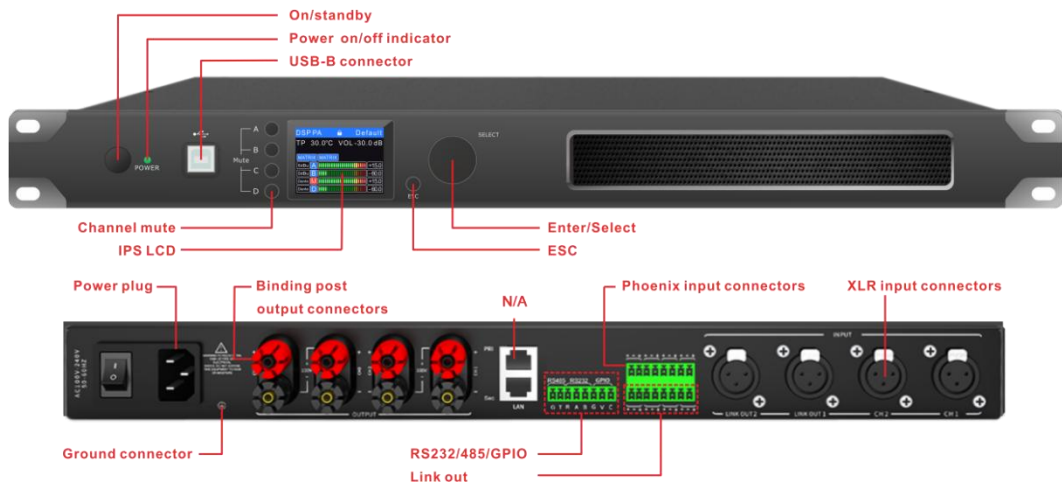
#### Specifications

Model	DDA43A	DDA43D (Dante)
Input PEQ		15 PEQS

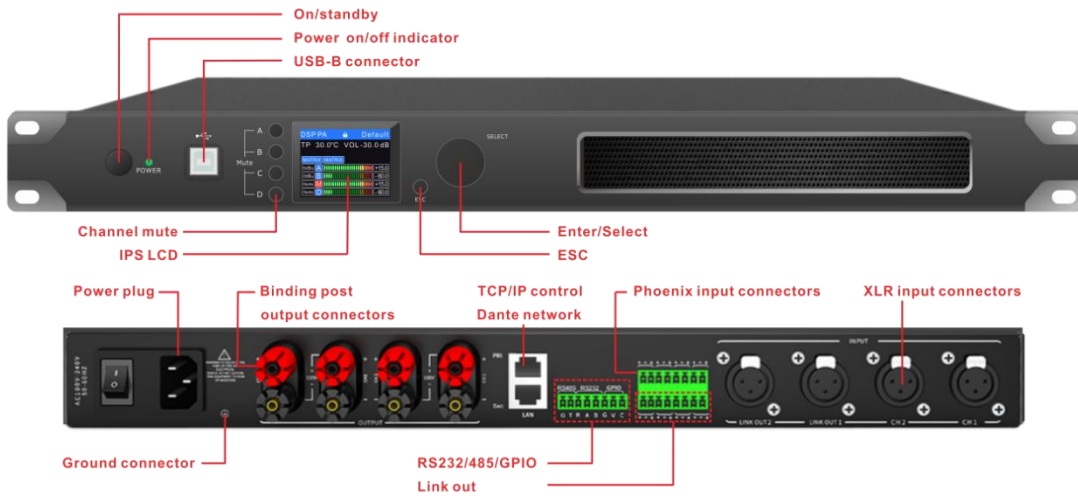
Output PEQ	10 PEQS
Crossover	Butterworth 6~48, Bessel 12~48, Linkwitz-Riley 12~48
Delay	Input Delay:4*100ms / Output Delay:4*20ms
Output Compressor	Knee, Threshold, Attack, Ratio, Release
Output Limiter	Threshold -90~21dBu、Release 1~2895ms
DSP Presets	30 (No.1 for default preset)
Control port	TCP/IP, USB, RS485, RS232, GPIO
Network Specification	2*RJ45, TCP/IP, 1000base-T/100base-TX
Channel	4
Power	4*300W@8Ω 4*450W@4Ω
Bridge Power	2*900W@8Ω
100V	Bridge, Power: 2*900W
70V	Bridge, Power: 2*612.5W
Input Interface	Balance 4*XLR
Output Interface	4*Binding post
Cooling Mode	2*fans intelligent control
Gain	6dBu: 30dB (29.5 times); 0dBu: 36dB (31.1 times)
Maximum Input Level	0dB Sens. LV: 8dBu (1.94V); 6dB Sens. LV: 14dBu (3.88V)
SNR	6dBu:97dB; 0dBu:97dB
Frequency Response	20Hz ~ 20kHz (±0.5dB)@1W to full power, 8Ω
THD+N	<1%@1W-full power
Sample Rate	48K/24bit
Channel Isolation	<-70dB
Work Mode	Stereo, Bridge, Mono, free Matrix
Remote Control	Standby, Call, DSP functions
Amplifier Monitor	Temperature, Power, Current and Voltage
Constant Pressure and Resistance	100V, 70V, 8Ω, 4Ω
DANTE Function	-   4 channels
Display	320x240pixel, 2inch IPS LCD
Protection Mode	DSP limiter, high temperature, DC, high frequency, short circuit, back EMF, peak current limiter, Back EMF, Surge current limiter, startup delay, power circuit breaker protection, power over voltage/under voltage protection
PC Software	Mconsole
Net weight	4kg
Device size	483mm*305mm*44.5mm
Power Supply	VAC100~240 50/60Hz

## Front / Rear Panel

### DDA43A



## DDA43D



## Product Dimension

