

DDA43A / DDA43D

IP Network Digital Amplifier with DSP and Dante



Description

DDA43A/DDA43D is a DSP digital amplifier of 4*450W@4Ω/ 4*300W @8Ω, bridge 2*900W @8Ω, support constant pressure 70V/100V (bridge 2*612.5W@70V / 2*900W@100V). It can monitor the status of amplifier and adjust the function of DSP in real time and remotely. DSP functions of built-in: noise gate, matrix mixer, PEQ, crossover, delay, compressor etc. Support 4 channels Dante Network audio, suitable for various environments.

Features

- 4-channel Dante network audio input(DDA43D)
- 0dBu/6dBu sensitivity adjustment for each input
- Remote standby, call amplifier
- Colorful IPS LCD display
- Support balanced XLR input and binding post output
- Support operating mode: stereo, bridge, mono, free matrix
- Control interface: USB and RJ45 by TCP/IP protocol, configuring RS232, RS485 central control interface, supporting GPIO external expansion control interface
- Support Mconsole software and App TCON network control
- Support Constant Pressure and Resistance: 100V, 70V, 8Ω, 4Ω

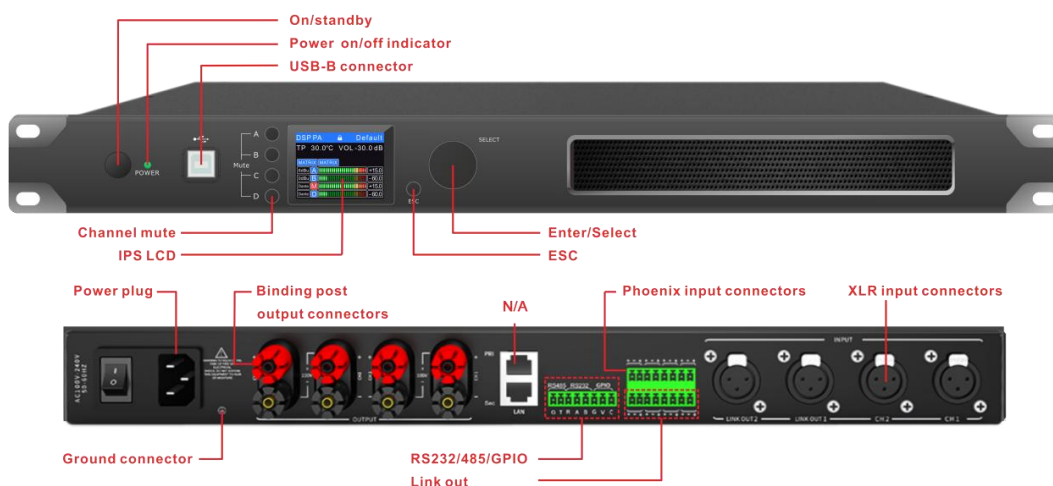
Specifications

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	

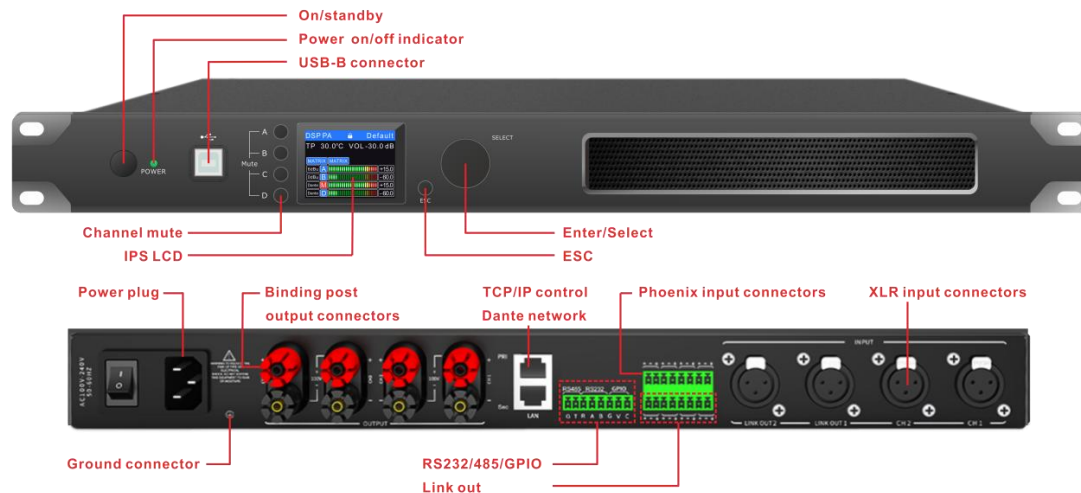
DSP Presets	30 (No.1 for default preset)	
Control port	TCP/IP, USB, RS485, RS232, GPIO	
Network Specification	2*RJ45, TCP/IP, 1000base-T/100base-TX	
Channel	4	
Power	4*300W@8Ω 4*450W@4Ω	
Bridge Power	2*900W@8Ω	
100V	Bridge, Power: 2*900W	
70V	Bridge, Power: 2*612.5W	
Input Interface	Balance 4*XLR	
Output 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

