DDA43A DDA43D

IP Network Digital Amplifier with DSP and Dante

Description

DDA43A/DDA43D is a DSP digital amplifier of 4*500W@4Ω/ 4*300W @8Ω, bridge 2*900W @8Ω, support constant pressure 70V/100V(900W@10Ω). 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

- Optional 4-channel Dante network audio input
- 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 TCPIP 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	

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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*500W@4Ω
Bridge Power	2*900W@8Ω
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（Optional）	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

On/standby

Power on/off indicator

USB-B connector

Channel mute

IPS LCD

Enter/Select

ESC

Power plug

Binding post
output connectors

TCP/IP control

Dante network

Phoenix input connectors

XLR input connectors

Ground connector

RS232/485/GPIO

Link out

443.00 mm

305.00 mm

483.00 mm

44.50 mm

305.00 mm

443.00 mm