

## DDA23D

### IP Network Digital Amplifier with DSP and Dante



#### Description

DDA23D is a DSP digital amplifier of 2\*500W@4Ω/2\*300W@8Ω, Bridge 1\*1000W@8Ω, support constant pressure 70V/100V(1000W@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 2 channels Dante Network audio, suitable for various occasions in the PA project.

#### Features

- IP network amplifier with dante
- Support 70V/100V or 4-8Ω signal output
- Rated power 2\*500W@4Ω、2\*300W@8Ω,bridge connection 1000W@8Ω,100V:1000W@10Ω
- Built-in DSP processor
- Support USB,TCP/IP,RS232,RS485
- The working status of amplifier could be monitored remotely in real time
- Support XLR balanced input and RCA unbalanced input
- Support stereo, bridge, mono channel, free matrix mode, one-key to switch
- Input sensitivity adjustable 0dBu/6dBu, setting from software or LCD screen
- Power supply AC90V-260V
- Controlled by software, could also control matrix system and professional

#### Specifications

Model	DDA23D
Input PEQ	5 PEQS
Output PEQ	9 PEQS
Crossover	Butterworth、Bessel、Linkwitz 6~24dB
Output Delay	16ms
Output Compressor	Knee, Threshold, Attack, Ratio, Release
Output Limiter	Threshold-90dBu~21dBu、Release 1~2895ms
DSP Presets	30 (one for factory preset)
Control port	TCPIP、USB、RS485、RS232、GPIO

Network Specification	2*RJ45, TCP/IP、1000base-T/100base-TX
Channel	2
Power	2*300W@8Ω 2*500W@4Ω
Bridge Power	1*1000W@8Ω
Input Interface	Balance 2*XLR; Unbalance 2*RCA
Output Interface	2*Spoken; 2*Terminal
Cooling Mode	2*fans intelligent control
Gain	6dBu: 30dB (29.5 times) ; 0dBu: 36dB (31.1 times)
Maximum Input Level	6dB: 16dBu (4.9V)
SNR	6dBu: 94dB; 0dBu: 94dB
Frequency Response	20Hz ~ 20kHz (±0.5dB)@1W, 8Ω
THD+N	<0.1%@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)	2 channels
Display	240x240pixel、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
Weight	3kg
Size	483*300*44.5
Power Supply	180~260VAC