

DDA23 / DDA23D

IP Network Digital Amplifier with DSP and Dante



Description

DDA23/DDA23D is a multifunctional network DSP digital constant-resistance and constant-voltage amplifier of 2*450W@4Ω, 2*300W@8Ω, bridge 1*900W@8Ω, and constant voltage 70/100V, which can remotely monitor the status of amplifier in real time, and set the compressor, limiter, noise gate, PEQ, matrix mixer, delay and other DSP functions in real time, with simple software interfaces to provide simple settings and operating experience for customers, and with various connection methods for good configurability and scalability, suitable for various use environments.

Features

- Optional 2-channel Dante network audio input(DDA23D)
- Support 70V/100V or 4-8Ω signal output
- Rated power 2*450W@4Ω; 2*300W@8; bridge connection 1*900W@8Ω, 1*900W@100V, 1*612.5W@70V
- 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 AC180V-260V

Specifications

Model	DDA23	DDA23D (Dante)
Input Volume	Mute, phase, level detection	
Input EQ	5-band PEQ	
Input Noise Gate	Attack time 1~2895ms, release time 1~2895ms, threshold	

	level -120dBu~-60dBu
DSP Matrix	2*2 matrix
Output EQ	9-band PEQ
Crossover	Butterworth、Bessel、Linkwitz slope 6~24
Output Delay	2*16ms
Output Compressor	Soft knee, threshold level, attack time, compression ratio, release time
Output Limiter	Threshold level -90dBu~21dBu, release time 1~2895ms
Output Volume	Mute, phase, level detection
DSP Preset	30 preset points
Control Method	Ethernet, USB, RS485, RS232
Network Specification	TCP/IP, 1000base-T/100base-TX, RJ45
Number of Channel	2
Power	2*300W@8Ω 2*450W@4Ω
Bridge Power	1*900W@8Ω
100V	Bridge, Power: 1*900W
700V	Bridge, Power: 1*612.5W
MIN. Output Impedance	4Ω each channel, 8Ω in bridge mode
Input Interface	Balanced input 2*XLR; single-ended input 2*RCA
Output Interface	2*Spoken; terminal
Cooling	Dual fan intelligent control
Gain	6dBu sensitivity: 30dB (29.5 times); 0dBu sensitivity: 36dB (31.1 times)
MAX. Input Level	8dBu (1.94V)
SNR	6dBu sensitivity: 94dB; 0dBu sensitivity: 94dB
Frequency Response	20Hz ~ 20kHz (±0.5dB)@1W, 8Ω
THD+N	<0.1%@1W to full power
Sampling Rate	48K/24bit
Channel Isolation	<-70dB
Working Mode	Stereo, bridge, mono, free matrix
Remote Control	Power-on, standby, DSP monitor
Amplifier Monitor	Temperature, power, voltage, current
Constant Voltage and Constant Resistance	100V, 70V, 8Ω, 4Ω
DANTE Function	- 2 Channels
Display Screen	320*240 pixel, IPS color LCD screen
Audio Source Topology	XLR Line-out
Protection	Audio limiter, high temperature, DC, high frequency, short circuit, back EMF, peak current limiter, surge current limiter, startup delay, power circuit breaker protection, over voltage/under voltage protection
PC Software	The software can control media matrix, audio processor, DSP amplifier, active DSP module
Weight	3kg
Dimensions	483*300*44.5
Power Supply	Voltage input (180/264V AC)