



A204D

Description

The A204D is a multi-functional network DSP digital power amplifier that offers a range of features and capabilities. It allows for remote monitoring and adjustment of the amplifier's status and DSP functions in real time. The built-in DSP functions include a compressor, limiter, noise gate, PEQ, matrix mixer, delay, and more. The accompanying Mconsole software provides an elegant interface for easy setup and operation. The amplifiers offer various connection methods, making them configurable and extensible to suit different PA project requirements.

Mconsole is a software that allows users to interact with the parameters of one or more machines quickly. It enables users to store device configuration parameters in a disk file, allowing for easy configuration and parameter preset scenes for multiple machines or different locations. This feature provides convenient switching and restoring options. The software has high execution efficiency and a clear interface structure. It utilizes a self-developed control library for the user interface, which can be customized and modified according to customer needs, enhancing the overall user experience.

Meta Fields

Features :

- Dante network audio with 4 channels option
- Network TCP/IP control to manage multiple devices
- Remote on/off amplifier control
- 4.3" IPS colour capacitive touch display
- Built-in DSP processor
- Supports multiple connections: USB, TCP/IP, RS232, RS485
- Real-time remote monitoring of amplifier status
- Supports identification by on-site software
- Supports working modes: Matrix, Bridge, Free Switch
- Supports 0dBu/6dBu/12dBu sensitivity three-level adjustment, adjustable via software or display
- Standard configuration with FIR function, supporting 4x2048 Taps
- Supports constant voltage and impedance: 100V, 70V, 8?, 4?
- Mconsole software can control media matrix processors and professional speaker processors simultaneously

- Wide voltage operation from 180–264VAC

Specification :

Model	4*800W 4	*1000W 4	*1500W4
Power	*800W@8?	4*1000W@8?	4*1500W@8?
	4*1600W@4?	4*2000W@4?	4*2000W@4?
Bridged Power	2*3200W@8?	2*3200W@8?	2*3200W@8?
Input Audio Source	Analog, Sine wave, Pink noise, White noise, DANTE, AES		
Input Volume	Mute, Phase, Level detector		
Input EQ	31 bands EQ		
Input Noise Gate	Attack time 1?2895ms, Release time 1?2895ms, Threshold level -120dBu?0dBu		
DSP Matrix	4*4 matrix zone		
Output EQ	10 bands EQ		
Frequency Divider	Butterworth?Bessel?Linkwitz-Riley		
Delay	Input delay: 4x80ms Output delay: 4x20ms		
Output Compressor	Soft knee, Threshold level, Attack time, Compression ratio, Release		
Output Limiter	Voltage 0.01V?89.50V, Power 0.01W?1000W, Release time 1~289		
Output Volume	Mute, Phase, Level detector		
DSP Preset	80 packages		
Control Mode	Ethernet, USB, RS485, RS232		
Network Model	TCP/IP?1000base-T/100base-TX?RJ45		
Channels	4		
Minimum output impedance	Each channel 4?, bridged mode 8?		
Input Interface	Balanced input 4xXLR		
Output Interface	Spoken*4, XLRx4		
Cooling System	Dual fans intelligent control		
Gain	6dB sensitivity: 30dB (x29.5); 0dB sensitivity: 36dB (x31.1)		
Max input level	20dB sensitivity: 20dBu (7.75V)		
SNR	12dB sensitivity: 94dB; 6dB sensitivity: 94dB; 0dB sensitivity: 94dB		
Frequency Response	20Hz?20kHz (±0.5dB)@1W?8?		
THD+N	<0.1%@1W to full power		
Sampling	48K/24bit		
Channel Isolation	<-70dB		
Operating Mode	Matrix, Bridge		
Remotely Control	Remote boot, standby, DSP monitor		
Amplifier Monitor	Temperature, Power, Voltage, Current		
Constant Pressure and Resistance	100V, 70V, 8?, 4?		
DANTE in option	DANTE 4 channels		
Display	4.3"IPS colourful capacitive touch display		

Audio Source Topology	Phoenix terminal Line-out
Protection	Audio limiter, high temperature, DC, high frequency, short circuit, back electromotive force, peak current limiter, surge current limiter, start power breaker protection, power supply overvoltage/under voltage
PC Software	Mconsole for controlling all these devices: media matrix processor, processor, DSP power amplifier, DSP active amplifier module
Net Weight	12.35kg
Packaged Weight	16.15kg
Products Dimensions	483mm x 460mm x 89mm, 2U
Packaged Dimensions	570mm x 550mm x 165mm
Power Supply	Supply input 180~264VAC