



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 4 channels in option • Network TCP/IP control and manage multiple devices • Remote on/off amplifier • 4.3" IPS colour touch display • Build-in DSP processor • Support multiple connections: USB, TCP/IP, RS232, RS485 • Real-time remote monitor status of the amplifier • Support identified by software on site • Support working mode: Matrix, Bridge, free switch • Support 0dBu/6dBu/12dBu sensitivity three-level adjustment, you can adjust it in software or display • Standard configured with FIR function, support 4x2048 Taps • Support constant pressure and resistance: 100V, 70V, 8Ω, 4Ω • Mconsole software can control media matrix processor, and professional speaker processor at the same time • Wide voltage operation through 180 ~ 264VAC

Specification :

Model	4*800W 4	*1000W 4	*1500W4
Power	*800W@8Ω	4*1000W@8Ω	4*1500W@8Ω
	4*1600W@4Ω	4*2000W@4Ω	4*2000W@4Ω
Bridged Power	2*3200W@8Ω	2*3200W@8Ω	2*3200W@8Ω
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: 4×80ms Output delay: 4×20ms
Output Compressor	Soft knee, Threshold level, Attack time, Compression ratio, Releasing time
Output Limiter	Voltage 0.01V ~ 89.50V, Power 0.01W~ 1000W, Release time 1~ 2895ms
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 4Ω, bridged mode 8Ω
Input Interface	Balanced input 4×XLR
Output Interface	Speakon*4, XLR×4
Cooling System	Dual fans intelligent control
Gain	6dB sensitivity: 30dB (×29.5); 0dB sensitivity: 36dB (×31.1)
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 8Ω
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, 8Ω, 4Ω
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 delay,

	power breaker protection, power supply overvoltage/under voltage protection
PC Software	Mconsole for controlling all these devices: media matrix processor, audio 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