

MATRIX PROCESSOR

DMX108D
DSP0808



DESCRIPTION:

Heinrich's DMX108D/DSP0808 is a cutting-edge audio processing solution that takes your sound system to new heights of performance and stability. Equipped with a high-speed processing DSP chip and the latest AFC algorithm, this state-of-the-art device eliminates feedback faster than ever before, ensuring a rock-solid and dependable audio experience.

With its versatile functionality, the DMX108D/DSP0808 offers a wide range of applications, including auto mixing, routing, audio processing, and special signal extension processing. Featuring 8-channel phantom power microphone/line inputs and outputs, as well as external control input and logic output channels, this device provides unparalleled flexibility for your audio setup.

Experience professional-grade sound with the integrated microphone pre-amplifier, compressor, auto gain control, ducker, auto mixer, matrix mixer, AEC (Acoustic Echo Cancellation), crossover, equalize PEQ (Parametric Equalizer), limiter, and delay functions. This comprehensive set of audio processing tools ensures optimal sound quality for any application.

Setting up the DMX108D/DSP0808 is a breeze thanks to its user-friendly GUI interface that can be accessed directly through Ethernet. Plus, with its automatic power-off save function and RS232 interface for third-party communication integration, managing your system has never been easier. Enhance your connectivity options with extensive GPIO capabilities and the option to configure with Dante modules for seamless integration into your existing setup.

With a 96kHz sampling frequency and a powerful 32-bit DSP processor utilizing 24-bit A/D and D/A conversion technology, the DMX108D delivers unparalleled audio clarity that will leave you amazed.

FEATURES:

- High-speed processing DSP Chip, the new generation of AFC algorithm to eliminate the feedback faster and make system more stable.
- Application includes Auto Mixer (Limiter threshold and Gain), Routing, Audio Processing and special signal extension Processing.
- 8-channel Phantom Power Microphone/Line input, 8- channel circuit Output.
- 8- channel External control input and 8- channel Logic output.
- Microphone Preamplifier, Compressor, Auto Gain Control, Ducker, Auto Mixer, Matrix Mixer, AEC, Crossover, Equalize PEQ, Limiter and Delay. Provide a complete set of Audio Process solution

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- Connect with GUI interface directly through Ethernet, Easy and efficient to set.
- Power off automatically save function.
- RS232 interface connect to 3rd party communication.
- Extensive GPIO Capabilities.
- Option to configure with Dante Modules.
- 96KHZ sampling frequency, 32-bit DSP processor, 24-bit A/D and D/A conversion.

SPECIFICATION:

Model	DMX108D/DSP0808				
Frequency response	20Hz ~ 20KHz, $\pm 0.5\text{dB}$				
Input impedance (Bal/Unbal)	20K Ω (Bal), 10K Ω (Unbal)				
Output impedance(Bal/Unbal)	300K Ω (Bal), 150 Ω (Unbal)				
Maximum Input/Output level	20dBu				
SNR (dB@A-Weighted,+4dBu)	93	9222	92	91	85
	93	9222	92	91	85
Dynamic Range	109, A-Weighted				
THD+Noise	<0.003%@unweighted,+4dBu				
Channel Separation	>92dB@1kHz, +4dBu				
CMRR	>80dB@1kHz,unity gain, +4dBu				
Circuit Gain(dB)	0	12	24	36	40
	0	12	24	36	40
Phantom power	+48V, 10mA				
Logic Input	0~3.3V				
Logic Output	5V, 10mA				
External Input Control	8 Channel, 0-3.3V DC Analog input and logic level input each Channel, could be connected with logic trigger or potentiometer				
Internet	100M connect GUI				
Power	AC 90~260V, 50-60Hz 50-				
Height	482x231x45mm(WxDxH)				

Disclaimer: As per our company policy one of the constant product improvements the right is there for reserved to modify the product specification without prior notice and the picture shown in the datasheet is a design base, the actual picture may vary.