

DMP 8800

8-in x 8-out Digital Matrix Processor

Features

- ▶ 8 input channels available via 3-pin euroblock connections and dual RCA inputs
- ▶ VGA and USB connectors enable use as a self-contained system
- ▶ 40-bit floating point processor with internal sampling selectable between 44.1 and 48 kHz
- ▶ Optional 8x8 networking capabilities through Dante audio streaming card (model no. DT88)
- ▶ Digital AES/EBU input and output connectors (plus BNC Word Clock in and out)
- ▶ Playback of digital audio files from SD cards on cue or on schedule through pre-programmed events
- ▶ 10/100 Ethernet computer interface standard
- ▶ Automatic DHCP network IP configuration
- ▶ Easy and intuitive control Windows software from Phonic
- ▶ Schedule system events down to the very second
- ▶ 4-band parametric EQs and 31-band graphic equalizers
- ▶ Seamless automatic mixing through dynamic channel gating and attenuation
- ▶ Compressors, limiters and noise gates
- ▶ Autoleveler (Loudness Control) and level ducking with trigger control
- ▶ All signal processors flexible and user-controllable



Overview

The Phonic DMP8800 digital matrix processor promises simple integration into any live commercial setup. These systems combine smart signal processing with a flexible modular mixing matrix. Sound complex? It's not, because all routing and processing is adjusted through a simple, intuitive graphical user interface. DMP8800 processors provide racks-full-o-gear in a modest 2 unit construct. Combining many great products into a simple design, the DMP8800 simplifies your installation and saves you money. The input and output count on the DMP8800 are ideal for small-to-medium sized venues, with possible expansion for larger venues through optional 8x8 networking.

With extensive onboard signal processing, flexible matrix routing and optional Dante audio interface capabilities, the DMP8800 matrix processors do it all. Phonic engineers have also ingrained each DMP8800 with versatile and extensive signal processing, including full 31-band GEQs, 4-band parametric EQs, compressors, limiters, gates, auto-mixing and auto-leveling, and page ducking. All control is accomplished through the included Windows software that allows for remote operation through local area networks or the internet. With password protected user accounts, extensive scheduling capabilities, and flexible audio networking (optional), the DMP8800 digital matrix processor is a flexible yet reliable center for any commercial installation.

Specifications

DMP8800		
Overall Sonic Performance	Analog In, Digital Out	Digital In, Analog Out
Frequency Response, 20Hz to 20kHz	+/-0.1dB	+/-0.25dB
Dynamic Range, 20Hz to 20kHz, unweighted	>115dB	>114dB
Latency at 48 kHz	<1 ms	<1ms
Audio Inputs	Analog Mic/Line	AES/EBU Digital
Input Type	Active balanced Euroblock + unbalanced RCA	Transformer balanced female XLR
Input Impedance	Euroblock: 3.37KΩ, RCA: 8.2KΩ	118Ω
Max Input Level	+20 dBu	7.0 Vpp
Audio Outputs	Analog Output	AES/EBU Digital
Output Type	Servo-balanced Euroblock	Transformer balanced male XLR
Output Impedance	20Ω	110Ω
Max Output Level	+20 dBu	5.0 Vpp
Word Clock		
Input/Output Type	75 ohm BNC	
Lock Range	48 kHz +/-4%	
Input Impedance	Selectable 75 ohm or high impedance	
Input Voltage Range	1.0Vpp - 7.0Vpp	
Output Impedance	75 ohm BNC	
Output Level	5.0 Vpp nominal, unterminated	
Master Clock		
Sources	Audio Network, Word Clock, AES/EBU, Internal Crystal Clock	
Modes	Prioritized auto switching or manual	
Digital Audio Hardware		
Sampling Rates / Clock Sources	44.1KHz, 48KHz, Network, AES/EBU, Word Clock	
DSP Processing	40-bit floating-point share processor array	
Audio Input Source Selection	Selectable in adjacent channel pairs from analog, digital, or network inputs	
Network Audio Routing	Selectable between input/ouput or internal to matrix mixer	
Digital Control		
Ethernet Control	Standard RJ45 10/100 Ethernet with auto-configuration	
Programmable Remote	RJ-45 for Phonic RM-6E	
Relay	7-pin, 5VDC	
Analog Control		
Remote Attenuators	10-pin Euroblock for (8) assignable 5VDC passive remote attenuators	
Power Requirements	100V to 240V VAC, 50-60Hz, 70W maximum	
Dimensions (W x D x H)	482 x 295 x 95 mm (18.97" x 37.4" x 11.61")	
Weight	5.1 Kgs (11.2 lbs)	

