

DMP8800

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 audio files from SD cards on cue or through pre-programmed events
- ▶ Auto shutdown mode for reduced power consumption
- ▶ 10/100 Ethernet computer interface standard
- ▶ Automatic DHCP network IP configuration
- ▶ Easy and intuitive control Windows software from Asystems
- ▶ 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

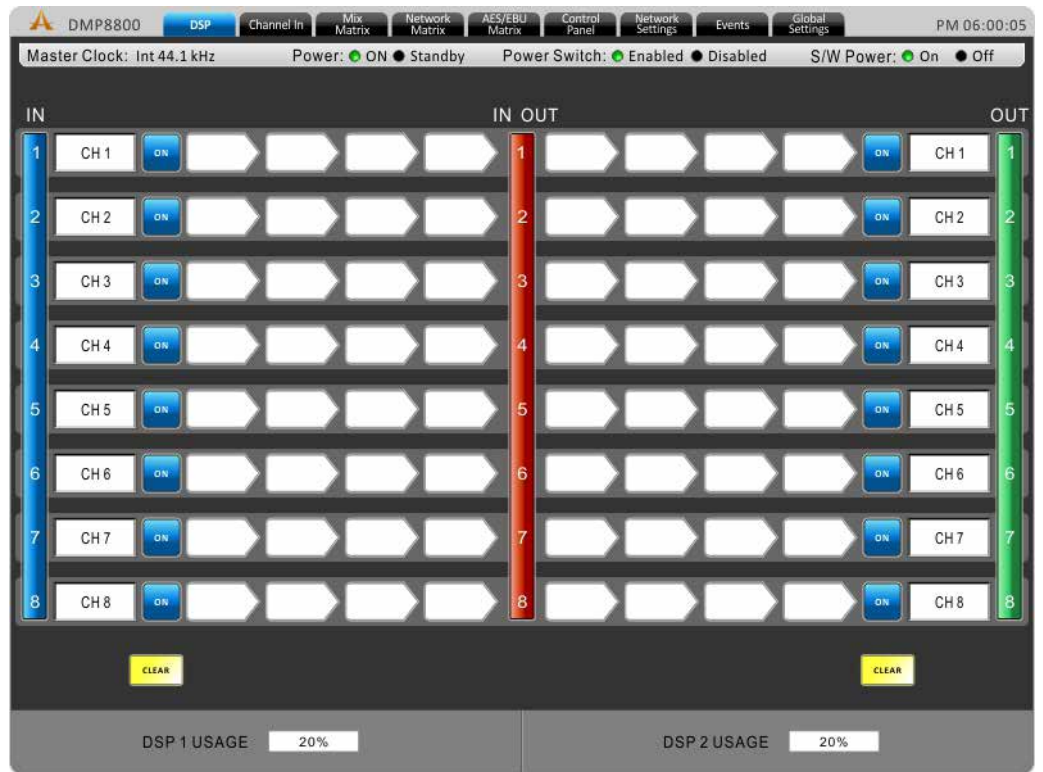


Overview

The Asystems DMP8800 digital matrix processor promise 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. Asystems 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.

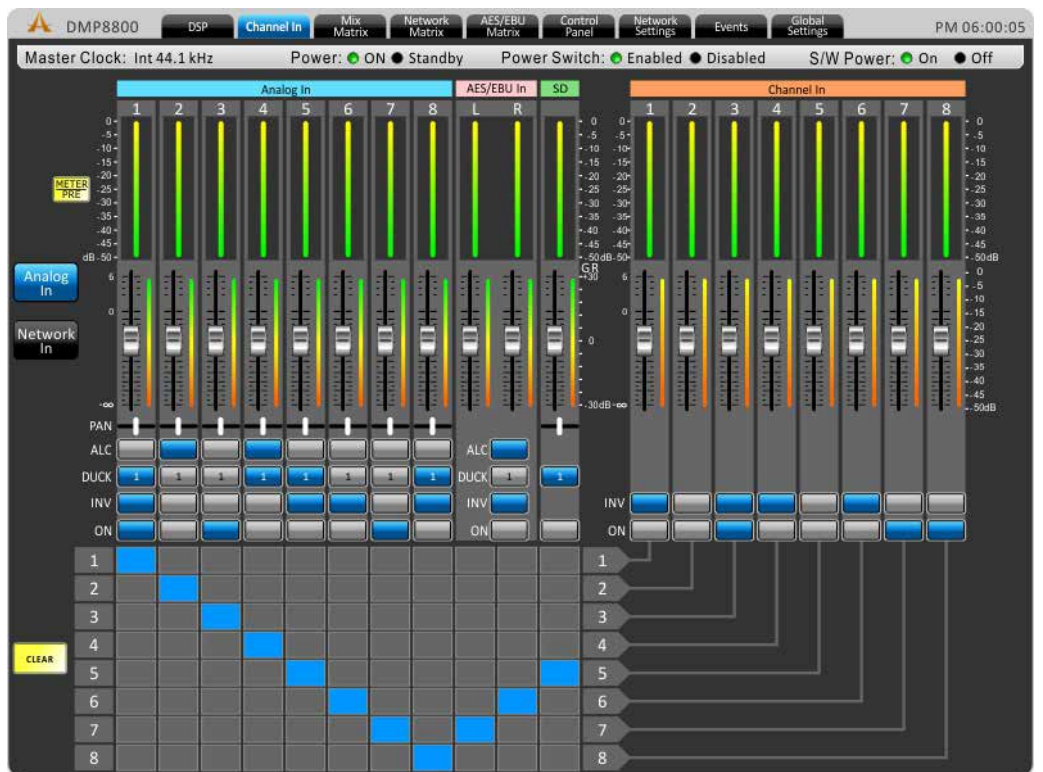
DSP

The DMP8800 software offers a number of digital signal processors that can be activated at will on any of the input and output mixes. This page will also allow you to edit the names of input and output mixes. Up to 4 signal processors can be added to each of the individual inputs and outputs, with delay, VCAs, graphic equalizers, parametric equalizers, feedback silencers, and more all available.



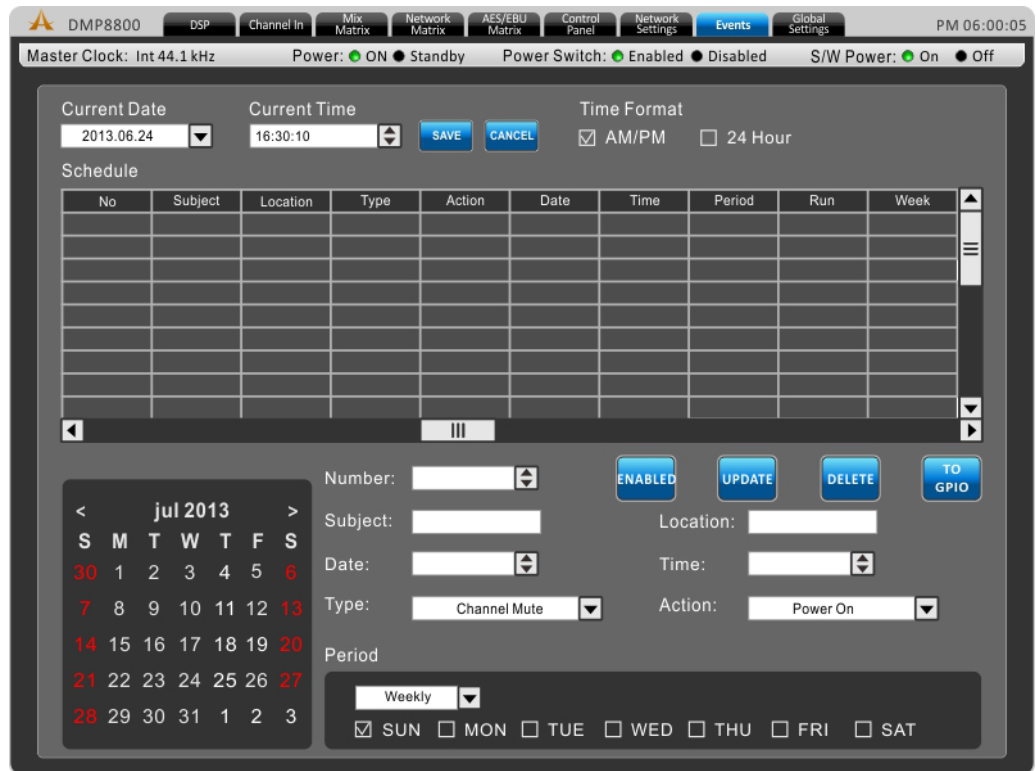
Channel Matrix

This page allows you to adjust the signal flow of the inputs from both the input channels and the network function. Numerous controls commonly found on analog mixers can also be found on this page, laid out in a familiar analog style. Level faders can be adjusted, as well as the panning, on/off status, phase invert, ducking and ALC status. Meters are also included on this page for monitoring incoming signals and mixes. It also allows direct access to the signal generator and SD card audio player.



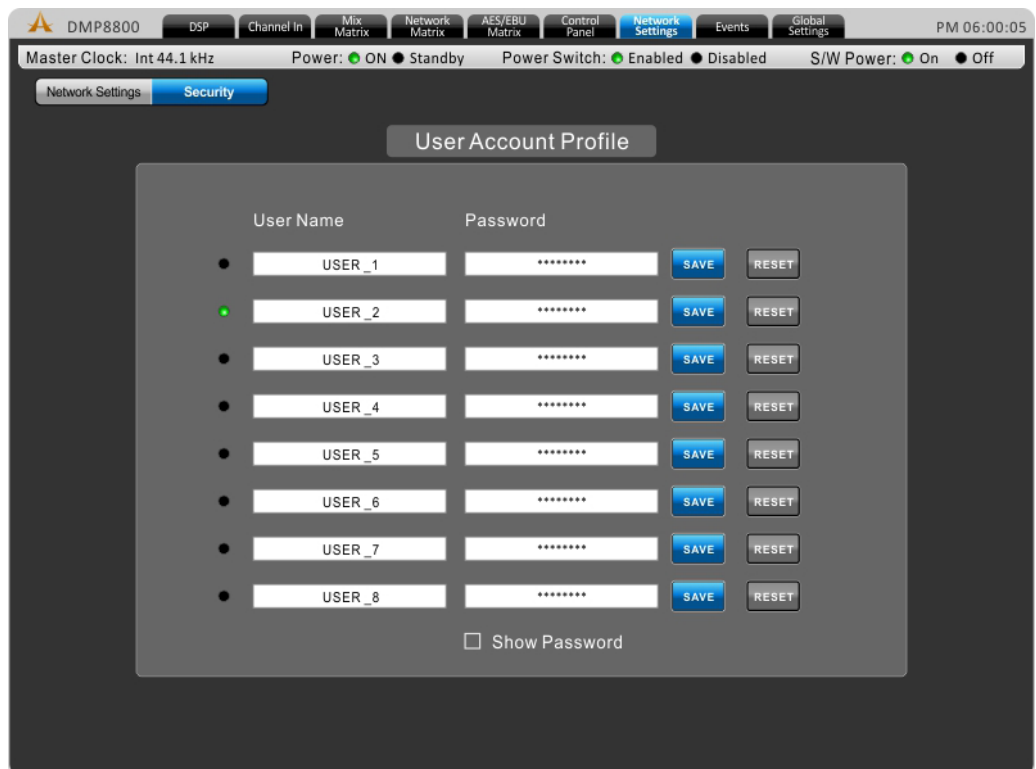
Events

Pre-program events into the DMP8800 digital matrix processor. Using the event scheduler you can determine what kind of event you wish to schedule, whether it be power on or a memory recall, and when the event should occur – right down to the minute. You can even program the unit to play music at a specific time on a specific day.



Security

Up to 8 user profiles can be activated on the DMP8800. Users can define their own user-name, while each account is protected by a user-defined password.



Specifications

DMP 8800	
Input Connections	Euroblock & Stereo RCA
Output Connections	Euroblock
Control Network	Onboard, compatible with standard 10/100 MBit/s Ethernet hardware
Front Panel Indicators	8 x Clip, -3dB, -6dB, -40dB, 4 x Sync On, Power Dis, Phantom Power, Remote Enable, Enable
Attenuators	8 x front panel, software, and remote
Signal to Noise (20Hz-20KHz, unweighted)	>110dB
Frequency Response	20Hz-20kHz, +/-1dB
Input Impedance	20K Ohm, balanced
Maximum Input Level	+24dBm
Processor	40-bit floating point
Input A/D Conversion	24-bit
Output D/A Conversion	24-bit
Sample Rates	44.1 kHz, 48 kHz
31 Band Graphic EQ	Filter Type: constant Q or proportional
Parametric Equalizers	4-band, adjustable Q, freq. and level
EQ filters	All pass, band pass, hi/lo shelf
Compressor	Threshold, range, attack, release
Noise Gate	Threshold, range, attack, release
Ducker	Trigger, release, depth
Delay	Adjustable input and output delay
Signal Generator	Pink noise, white noise, sine waves
Autoleveler	Target, action, max. gain, ratio, threshold, gain increase/decrease, hold time
Phantom Power	+48V DC
Crossover	Bessel, Butterworth, Linkwitz-Riley
AES/EBU Digital Audio Input	
Type	110 ohm transformer balanced XLR
Sample Rates	48kHz, 44.1kHz
Power & Physical	
Power Supply Unit	120VAC/240VAC Switching Power Supply, 15A Edison cable
Dimensions (W x H x D)	482 x 295 x 95 mm / 18.97" x 37.4" x 11.61"
Weight	5.5 Kgs / 12.12 lbs

