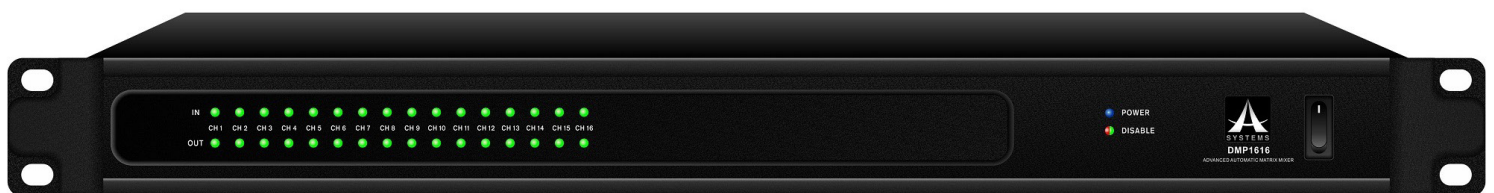


DMP1616

16-in x 16-out Digital Matrix Processor

Features

- ▶ 16-in x 16-out sophisticated matrix mixing makes routing easy
- ▶ 16 microphone preamplifiers for each input connection
- ▶ Remote user control through Asystems Windows software
- ▶ Optional Dante networking
- ▶ 44.1 kHz or 48kHz sample rate
- ▶ 24-bit A/D D/A conversion
- ▶ +48V phantom power activated through software
- ▶ Password protected user accounts
- ▶ DSP Processing:
 - ◆ Automatic Mixing
 - ◆ Compressor/Limiters
 - ◆ Feedback Silencers
 - ◆ 4-band EQs
 - ◆ Graphic Equalizers
 - ◆ 2- and 3-way Crossovers
 - ◆ Automatic level Control
 - ◆ Program Intuitive Ducker
- ▶ Signal generator (pink noise, sine wave, sweep waves)
- ▶ Event scheduling
- ▶ Remote preset control via Asystems RM-4 wall remotes

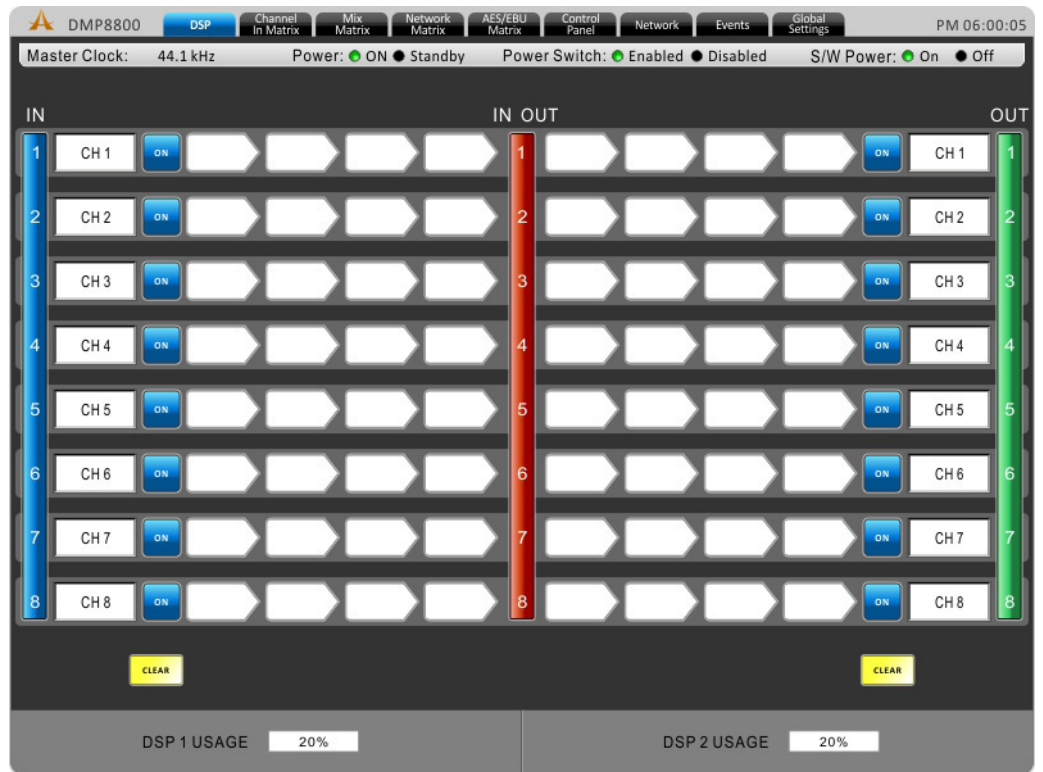


Overview

Designed specifically for installed sound, the Asystems' DMP1616 automatic mixers combine clean, simple designs with smart signal processing. All 16 inputs to the DMP1616 are achieved through professional-standard 3-pin euroblock connectors for balanced connections. The system further includes 16 euroblock output connectors. All inputs and outputs are utilized through the flexible matrix routing system, controlled via the included user-intuitive PC software. This software also allows you to control the extensive on board signal processing, including 4-band parametric EQs, feedback silencers, duckers, noise-gates, compressors, limiters and, of course, automatic mixing including NOM (Number of Open Microphones) compensation. With flexible networking capabilities and highly accurate automixing, the DMP1616 Digital Matrix Processor is a must-have for all large commercial installations.

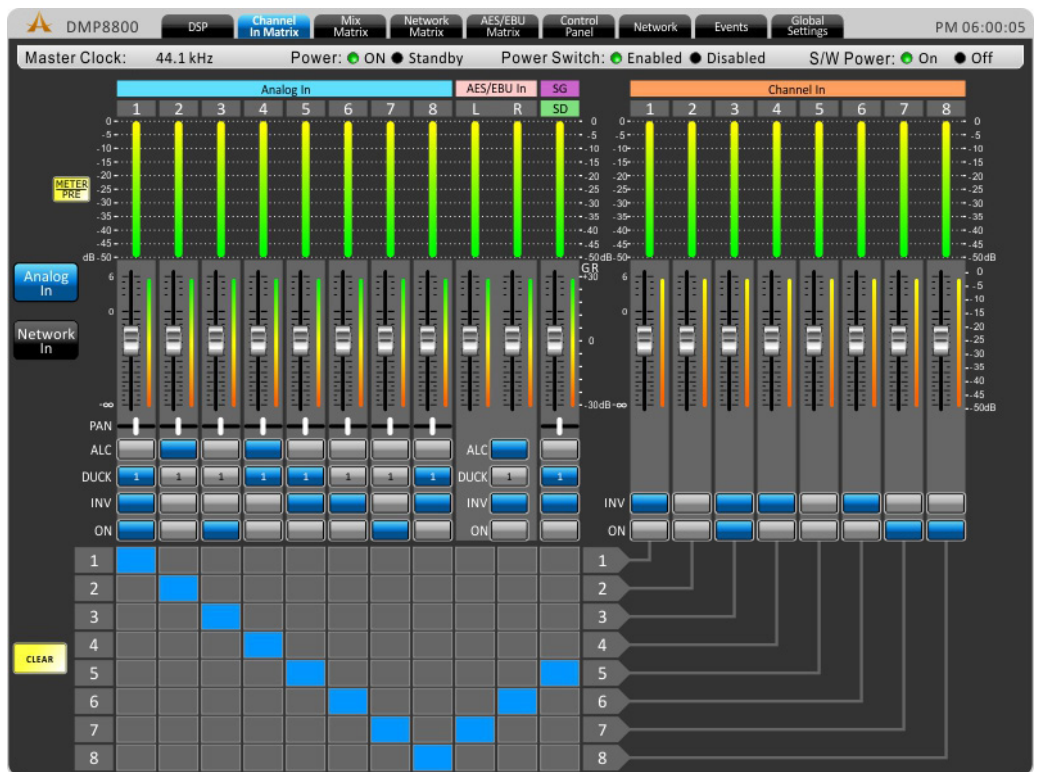
DSP

The DMP1616 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.



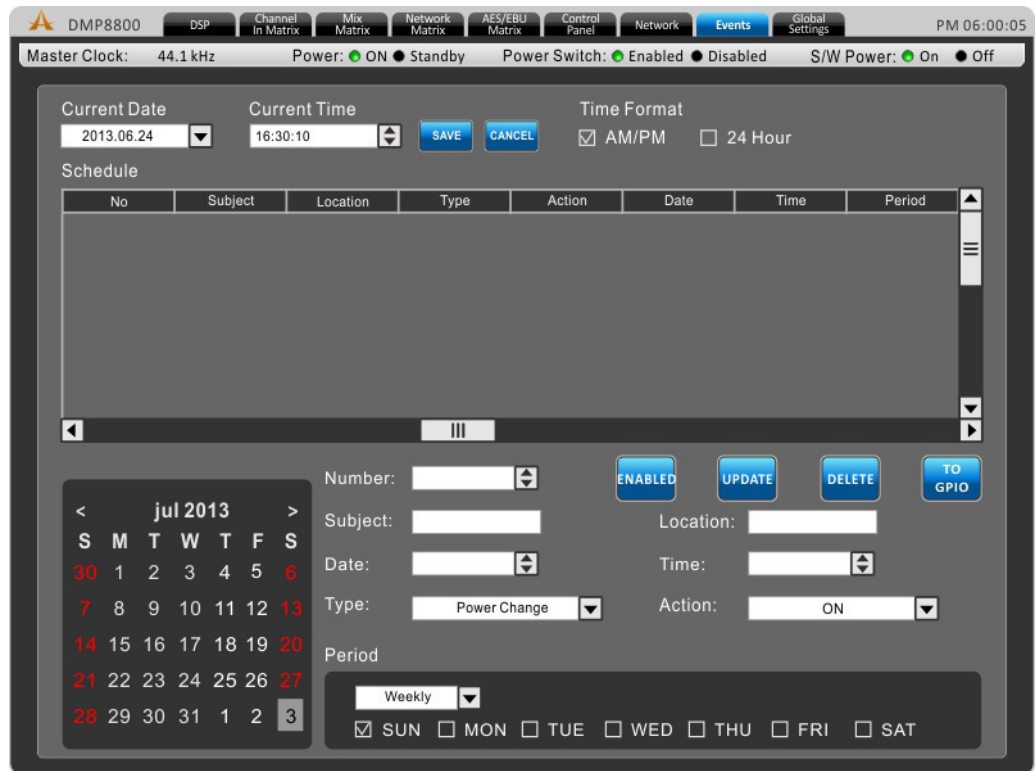
Channel Matrix

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.



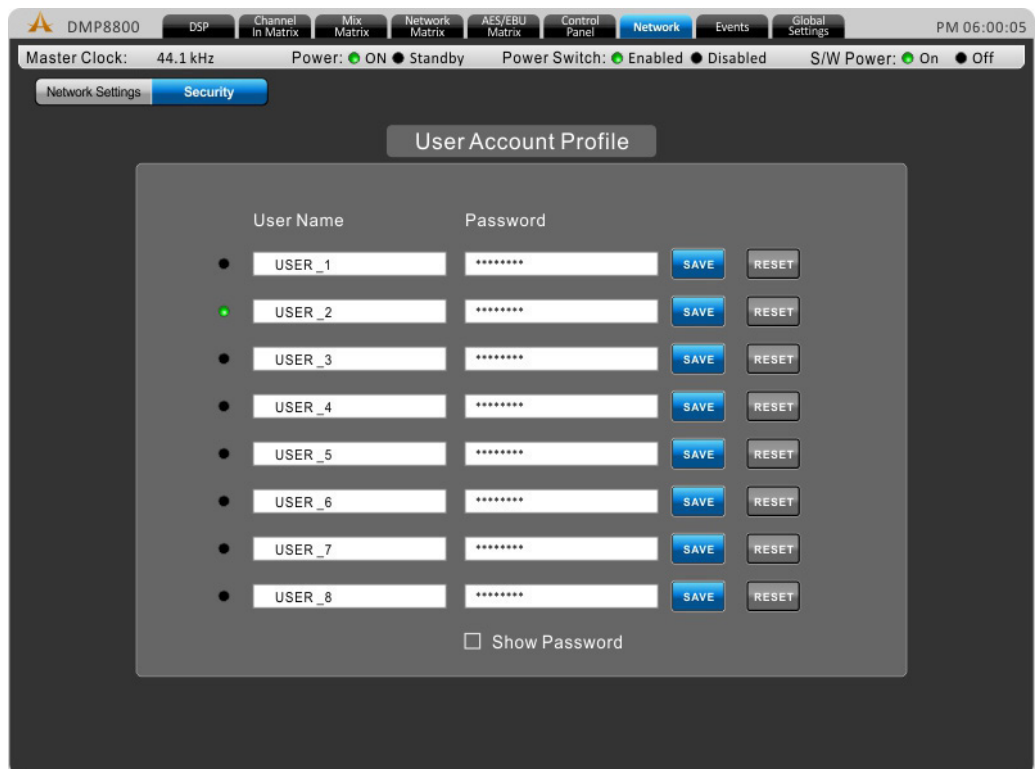
Events

Pre-program events into the DMP1616 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 DMP1616. Users can define their own user-name, while each account is protected by a user-defined password.



Specifications

Overall Sonic Performance		Analog In, Analog Out
Frequency Response, 20Hz to 20kHz	+/-0.1dB	
Dynamic Range, 20Hz to 20kHz, unweighted	>115dB	
Latency at 48 kHz	<1 ms	
Audio Inputs		Analog Mic/Line
Input Type	Balanced Euroblock	
Input Impedance	3.37K	
Max Input Level	+20dBu	
Audio Outputs		Analog Output
Output Type	Balanced Euroblock	
Output Impedance	20 ohms	
Max Output Level	+20dBu	
Master Clock		
Sources	Audio Network	
Digital Audio Hardware		
Sampling Rates	44.1kHz, 48kHz	
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/output or internal to matrix mixer	
Digital Control		
Ethernet Control	Standard RJ45 10/100 Ethernet with auto-configuration	
Relay	7-pin, 5VDC	
Analog Control		
Power Requirements	100V to 240V VAC, 50-60Hz	
Item Size (W x D x H)	482 x 295 x 44 mm / 18.97" x 37.4" x 1.7"	
Item Weight	5.1 Kgs (11.2 lbs)	

