

Galileo[®] GALAXY™ 816-AES3 NETWORK PROCESSOR

As part of the newly developed Galileo GALAXY family, the Galileo GALAXY 816-AES3 builds on Galileo's meticulously engineered algorithms on a rigorously field-tested cutting edge hardware platform.

Galileo GALAXY retains users' favorite processing tools, including five-band U-Shaping and parametric EQs on both inputs and outputs.

The built-in summing matrix allows users to assign and adjust gain at every cross point for multiple purposes quickly and easily as well as

apply delay values at every cross point in the new built-in delay matrix.

The delay matrix also enables the user to feed different position-dependent delayed signals into one output to allow a multipurpose use of a loudspeaker.

Intuitively mix and match different Meyer Sound loudspeakers with the improved Delay Integration matching their phase characteristics to ensure a coherent summation.

AES output's clock can be set to system clock, to an external word clock-signal or follow a selected AES-input's clock to rule out any digital jitter. System clock can be set to internal, to an external word clock-signal or follow AES or AVB signals' clock.

Adjust equalization parameters on a laptop with Compass control software or on an iPad with the Compass Go app. Both graphic interfaces reflect years of user input to make managing great audio effortless.

FEATURES & BENEFITS

- Word clock-input allows easy integration in any studio or theme park environment
- Crosspoint delay and summing matrix
- Processing uses 96kHz sample rate audio
- A/D and D/A conversion with 96kHz/24-bit
- 5-band U-shaping on inputs and outputs
- 5-band parametric EQ on inputs and 10-band parametric EQ on outputs
- High/low pass filters with up to 48dB per octave slopes
- In-depth control with new Compass 4.0 software for Mac and PC
- Control at user's fingertips with Compass Go for iPad
- Easy integration with 3rd party controllers like AMX and Crestron
- Fixed latency over all channels 0.6 ms for analog → analog

PRELIMINARY SPECIFICATIONS

AUDIO AND NETWORK CONNECTIVITY

Inputs Section	XLR-female: 8 audio inputs, analog or digital (AES3) BNC-female (50 Ω): Word clock input
Outputs Section	Outputs Section XLR-male: 16 AES3 digital audio outputs, 8 analog audio outputs (9-16) mirrored in digital format on the appropriate AES3 output and on the corresponding analog output.
Audio-Network	EtherCON: 2 ports for AVB audio-streams and control via Ethernet (AM824 non-blocking 24-bit 96kHz) 64 AVB input channels from up to 8 streams 16 AVB output channels in 2 streams 2 SIM bus ports for linking to the SIM 3 audio analyzer for measuring processor output
SIM	

CONTROL

Meyer Sound	Compass 4 (PC/Mac), Compass Go 2.0 (iPad)
Third Party	Network-enabled controllers like Crestron or AMX; OSC, text commands
On Device	Mute buttons for inputs and outputs

AC POWER

Connector	PowerCON [®] 20
Safety Rated Voltage Range	100-240 V AC, 50-60 Hz

PHYSICAL

Dimensions	2-space rack 19.00" w x 3.48" h x 16.14" d (483 mm x 88 mm x 410 mm)
Weight	16.8 lbs (7.6 kg)



Compliant with AVnu™ interoperability specifications

Galileo GALAXY 816-AES3
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