

Galileo™ 408 : Loudspeaker Management



The Galileo loudspeaker management system is an elegant hardware and software solution for driving and aligning loudspeaker systems comprised of multiple zones. The system includes the single rack space Galileo 408 digital processor, with four inputs and eight outputs and a fully digital matrix processor, and the Compass™ control software for comprehensive control of all parameters from a Windows® or Mac® computer. The Compass software's intuitive user interface is the result of Meyer Sound's years of experience optimizing complex systems.

The Galileo 408 processor shares the same 24-bit, 96 kHz audio quality and 32-bit floating point internal processing as its predecessor, the Galileo 616, though with fewer inputs and outputs.



Designed as the perfect complement to Meyer Sound's self-powered loudspeakers, the Galileo system includes array compensation for M Series™ array products, presets for Meyer Sound loudspeakers of various sizes and types, and digital implementations of popular features developed by Meyer Sound over the years for its acclaimed analog processors, including

air absorption compensation filters and equalization.

The Galileo 408 can be connected directly to the SIM® 3 audio analyzer, providing complete measurement and control for integrated audio systems.

FEATURES & BENEFITS

- Four inputs — analog, AES/EBU or a mixture — and 8 analog outputs with full matrix mixing and routing
- Robust outputs easily drive Meyer Sound self-powered loudspeaker systems over long cable runs
- Fixed latency across all output channels regardless of any processing applied
- Monolithic, 1 GHz vector DSP architecture
- A/D/A conversion with 24-bit resolution at 96 kHz; digital inputs converted to 96 kHz sampling rate
- All internal processing performed at 96 kHz, 32-bit floating point resolution
- Ethernet connection for remote control from Compass software running on Windows and Mac computers and wireless devices
- Up to 2 seconds of delay on inputs and outputs
- Presets for Meyer Sound loudspeakers, including Array compensation for Meyer Sound line array products
- TruShaping EQ™ and Composite EQ™ filtering that yields the desired corrections with the least impact on phase response
- Direct connection and compatibility with Meyer Sound's SIM 3 audio analyzer
- Compact, single rack space unit

PRELIMINARY SPECIFICATIONS

INPUTS		
Inputs Section Connectors Maximum Input Level Metering		4 inputs, analog or digital (AES/EBU, selectable in pairs) Gold-plated female XLR +26 dBu (maximum range selected, 0 dB input gain) 4-segment LED ladder meters on each input
OUTPUTS		
Outputs Section Connectors Maximum Output Level Metering		8 analog outputs Gold-plated male XLR +26 dBu into 600 Ω or greater (maximum range selected) Variable intensity bi-color signal presence/clip LED on each output
SUMMING MATRIX		
		Full 4 x 8 summing matrix; any input summed with any input and routed to any output
PROCESSING		
Digital Conversion Internal Processing Processor		24-bit resolution, 96 kHz sampling rate 32-bit vector floating point, 96 kHz Monolithic, 1 GHz vector DSP
CONTROL		
Network		Ethernet port for network connection and control from a Windows or Mac computer
Control		Full bidirectional communication with Meyer Sound's Compass control software within a client-server architecture, as well as external control via the Open Sound Control protocol
AC POWER		
Connector Operating Voltage Range Power Consumption		PowerCon® 90–250 V AC, 50/60 Hz 0.56 A (110 V AC); 0.28 A (220 V AC), 50/60 Hz
PHYSICAL		
Dimensions		1 rack space 19.00" w x 1.75" h x 15.50" d (483 mm x 44 mm x 394 mm)
Weight		13.5 lbs (6.13 kg)



Galileo 408 — 04.141.066.01 B
Copyright © 2009
Meyer Sound Laboratories Inc.
All rights reserved

MEYER SOUND LABORATORIES INC.
2832 San Pablo Avenue
Berkeley, CA 94702
T: +1 510 486.1166
F: +1 510 486.8356
techsupport@meyersound.com
www.meyersound.com