Meyer Sound GEN-1 Technology

Meyer Sound introduces the Galileo Extended Networking platform, or GEN-1 - a new technology that brings networked connectivity and onboard signal processing directly to the loudspeaker. AES67-compatible and optimized for Milan integration, GEN-1 represents a highly scalable, adaptable foundation for future system architectures. GEN-1 builds on Meyer Sound's pioneering legacy in self-powered loudspeakers - bringing that same spirit of integration to the digital signal chain. Traditional sound system designs rely on centralized DSP units to manage processing before distributing signals to loudspeakers. GEN-1 shifts that model by embedding processing at the loudspeaker, reducing cabling and rack requirements while minimizing points of failure. The result is a more streamlined and robust infrastructure - especially valuable in complex or large-scale deployments.

Debuting in the new ASTRYA-140 screen channel loudspeaker, GEN-1 gives system designers greater flexibility in how they deploy Meyer Sound solutions - making it easier to tailor systems to specific performance and budget needs across immersive cinema, themed entertainment, or large multi-zone installs. By delivering the processing power of a single Galileo GALAXY channel at the loudspeaker, GEN-1 enables decentralized processing and transforms each enclosure into an intelligent node within the network. "This is an evolution of the GALAXY system - taking that processing power and pushing it closer to the speaker," says Brian Smith, Meyer Sound's product manager, digital systems. "We're moving from self-powered to self-processed, and that unlocks a new level of efficiency and flexibility."

GEN-1 is capable of receiving an AES67 audio stream and performing full onboard

processing, including delay, EQ, and Meyer Sound’s proprietary U-Shaping and Product Integration tools. By embedding this processing at the loudspeaker, GEN-1 enables faster deployment, more consistent performance, and easier reconfiguration as systems evolve. “This gives you much finer-grained scalability - letting you specify exactly the number of loudspeakers you need without overbuilding the system,” Smith adds. “It’s a more efficient and resilient way to approach system design.” Configured and monitored via Meyer Sound’s Nebra software platform, GEN-1 also delivers system telemetry - including signal presence, clip, and limiter status - over a network connection. As the platform evolves, Nebra will enable additional control features and user-defined logic for network redundancy and failover.

Designed for long-term flexibility, the module will support additional connectivity options over time. Support for redundant Milan AVB connectivity is planned for future releases, enabling a redundancy scheme for mission-critical installations. Future product implementations will extend GEN-1’s benefits across Meyer Sound’s ecosystem of powered loudspeakers, expanding the reach of speaker-centric processing in installed sound environments.

“GEN-1 is part of a bigger evolution - one shaped by the needs we hear from designers and integrators in the field,” says Andy Davies, Meyer Sound’s senior director of product management. “It’s another example of the ways we’re engineering products that connect more intelligently, scale more precisely, and deliver the responsiveness today’s systems require.”

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