



RENKUS-HEINZ

Uncompromised Performance - Unequalled Versatility

The self-powered PowerNet ST9R and non-powered STX9 Series loudspeakers unite advanced technology and application-driven engineering to bring live sound closer to the ultimate reference point: reality. Patented CoEntrant M/H transducers, Class D Digital Tri-Amplification and unique innovations such as our Complex Conic horns deliver natural sounding music and intelligible speech. Wherever audiences and operators demand superior performance and ease of use, ST/STX loudspeakers are the choice for transparent, reference quality performance.

All ST9R PowerNet loudspeakers are RHAON empowered for flexible analog and digital signal distribution and loudspeaker management and control over a standard Ethernet network.

Applications

- Virtually any application where directional control and arrayability are critical issues and outstanding sonic performance is required.
- Distributed systems in sports arenas and stadiums.
- Multi-channel A/V playback systems, live sound and music systems in clubs and disco's (with optional subwoofers.)
- Side fill in all types of large sound reinforcement systems.
- Array modules for theatrical and concert sound systems, sound reinforcement systems in houses of worship.



PM-3R PowerNet Tri-Amplifier

Choose external bi-amplification or self-powered and networked, you can select the system configuration that meets your needs. Select the STX9 when the project dictates the use of external amplifiers and the self-powered PowerNet ST9R for convenience and control in other applications.

The PM-3R, the heart of the PowerNet ST9R is a new kind of intelligent electronic system. It combines Class D digital tri-amplification with RHAON, the Renkus-Heinz Audio Operations Network for comprehensive DSP controlled signal processing and control.



RHAON empowers you with CobraNet digital audio distribution, user configurable DSP for maximum control, remote systems management from any Windows computer, life safety functions and more – all using standard Ethernet hardware and cable.

The PM-3R has dual analog inputs, dual CobraNet inputs and an AES3id serial input. The onboard DSP is easily configured using RHAON software; it includes eight bands of parametric EQ, high and low shelving filters, delay and input level control. Critical operating parameters such as signal clipping, amplifier output voltage and current, and temperature are continually monitored with automatic alert functions.

ST / STX Series

STX9

Non-Powered

ST9R

Powered

High Power Quad 12" Lows CoEntrant M/H Driver 3-Way Complex Conic Loudspeakers

PASSIVE : POWERED : NETWORKED



• Compact 3-Way Design, Outstanding Performance

Accurate full-range 40 Hz to 18 kHz high-level performance; 142 dB Peak SPL.

• Flexible Input Configurations

Choose external bi-amplification, or go self-powered with the PM3R PowerNet Tri-Amplifier with RHAON for flexible analog and multi-channel digital signal distribution, computer control and supervision.

• Quad-12 Doublet Low Frequency Design

Provides superior low frequency directionality in both horizontal and vertical planes.

• Exclusive Complex Conic Design

Provides constant beamwidth/directivity without the problems of conventional rectangular horns.

• Patented CoEntrant Topology

Integrates the acoustic output of an 8" cone and a 1" HF driver into a wideband, high power true point source.

• TRAP (True Array Principle) Design

ST9/44ASR and STX9/44AS Models are true 40° TRAP modules that combine seamlessly to produce a phase aligned wave front virtually free of lobing. The /64 and /94 models can be turned into TRAP modules by rotating their horns 90°.

• Choice of Coverage Patterns

Choose between tightly controlled 60° by 40°, 90° by 40° and asymmetrical 40° by 40° (+10°, -30°) coverage patterns.

