



New Iconyx R Models Incorporate Acoustical, Digital and Mechanical Advances

Introduced in 2005, Iconyx Digitally Steerable Array Systems are barely two years old. The highly successful product line is being re-introduced in an “R” version, with purpose-designed coaxial transducers, RHAON (Renkus-Heinz Audio Operations Network) technology and a slimmer, lighter weight enclosure.

“**Iconyx** is one of our most successful products,” says Renkus-Heinz Vice President of Operations Rik Kirby, “we’ve had lots of opportunities to see how the system performs in applications from cathedrals to cruise ships, courtrooms to corporate auditoriums. As we evaluated the total **Iconyx** system, we identified significant improvements in many areas.”

Inside every **Iconyx R** model are new co-axial transducers developed specifically for digitally steered arrays. “To narrow the vertical directivity at high frequencies, we designed these drivers with a vertical array of dual dome tweeters,” says Renkus-Heinz Senior Vice President Ralph Heinz. “We’ve been able to significantly attenuate grating lobes, making the array’s output even more coherent and produce even better intelligibility.” The new drivers maintain the consistent wide horizontal dispersion that has proven to be

invaluable in **Iconyx** applications.

A multi-channel DSP-driven digital amplifier controls each **Iconyx R** driver individually, and interfaces with **RHAON**, the Renkus-Heinz Audio Operations Network. Audio signals can be delivered via CobraNet, AES 3 serial digital (AES/EBU) or analog formats. The **RHAON** DSP gives the user real-time control over 12 bands of parametric EQ, 340 milliseconds of delay, dynamics processing and other system tuning functions. **RHAON** also simplifies remote supervision with password protection, operator alerts and fault logging.

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For venues that prefer a simpler way to adapt the sound system to different building functions, **Iconyx R** stores up to seven configurations in onboard memory. These can be recalled via preset select buttons on the **Iconyx R** itself or remotely via simple rotary switch connected to the resistor-ladder control input.

Iconyx R's advanced technology is housed in a new enclosure. "Many clients, and their architects, have chosen Iconyx because it's so easy to make it disappear," Renkus-Heinz US National Sales Manager David Rahn points out. "The new one-piece extruded enclosure is even slimmer and lighter than the original." It is also available in custom colors and weather resistant versions for outdoor applications.

More information:

Exclusive UK Distributor: POLARaudio Ltd.

Tel: 01444 258 258

Email: sales@polaraudio.co.uk

web: www.polaraudio.co.uk