

The New Standard in Digitally Steered Arrays

Renkus-Heinz introduced the first Iconyx array nearly a decade ago - today we lead the field in digitally steerable loudspeakers. Found in the most demanding projects across the globe, from LAX International Airport to the Great Hall of the People in China, wherever high quality intelligible sound is required, Renkus-Heinz are in the forefront.

From boardroom to concert hall, Iconyx unique beam steering technology provides the ultimate in control. Each transducer is powered by its own individual amplifier and DSP - advanced algorithms enable the designer to focus the sound energy directly at the listener, keeping it away from reflective surfaces, reducing echoes and dramatically improving intelligibility. And with its streamlined, low-profile, design Iconyx can easily blend into any architectural environment with minimal aesthetic impact.

Introducing ICONYX Gen5

While other manufacturers are still learning the technology Renkus-Heinz has it down to a science, and Iconyx Gen5 takes it to the next level - Faster, more accurate steering, more robust networking, TCPIP control from third party devices - just a few of the features that make Iconyx Gen5 the new world standard in digitally steered array technology.

- Two Analog Inputs
- AES/EBU Inputs
- RHAON II System Manager
- RJ45 for TCPIP Networked Control
- UniBeam Technology
- 3-6dB increase in output level
- Master/Slave Amp Modules

Evolving the tried and true Iconyx modular approach Gen5 adds new Master and Slave amplifier modules reducing both cost and complexity. Sharing electrically identical power amplifier circuitry, but without the unnecessary duplication of expensive input connectors and control, Gen5 Slave modules allow the designer to cost optimize the system without compromise.

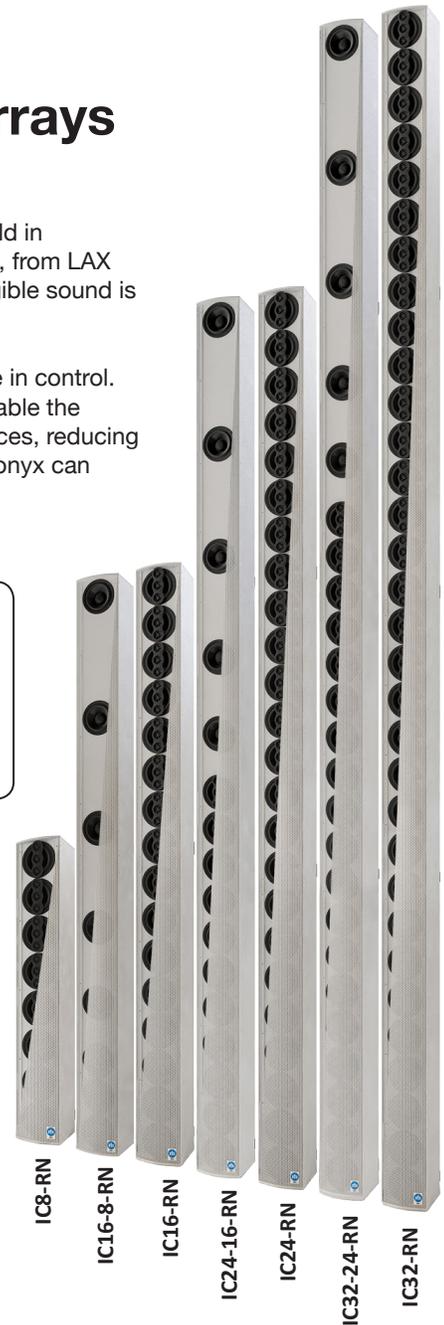
Iconyx Gen5 Amplifier Modules are built around the same audiophile quality 8-channel power and FIR engine, but with new and improved electronic design giving improved performance and reliability.



Iconyx Gen5 Amplifier Power Board



Iconyx Gen5 Columns are designed and assembled at Renkus-Heinz Orange County, California facility.



| | IC8-RN | IC16-8-RN | IC16-RN | IC24-16-RN | IC24-RN | IC32-24-RN | IC32-RN |
|------------------------------|--------------------|-------------------|-------------------|----------------------|----------------------|-----------------|--------------------|
| Coverage | 65ft / 20m | 100ft / 30m | 130ft / 40m | 165ft / 50m | 195ft / 60m | 230ft / 70m | 270ft / 80m |
| Peak SPL @30m | 96dB | 96dB | 99dB | 99dB | 102dB | 102dB | 103dB |
| Beam Control LF Limit | 800Hz | 400Hz | 400Hz | 250Hz | 250Hz | 200Hz | 200Hz |
| Height | 37 11/16" 957mm | 74 3/4" 1898mm | 74 3/4" 1898mm | 111 13/16" 2840mm | 111 13/16" 2840mm | 148 7/8" 3781mm | 148 7/8" 3781mm |
| Freq. Resp. | 120Hz-18kHz | 120Hz-18kHz | 120Hz-18kHz | 120Hz-18kHz | 120Hz-18kHz | 120Hz-18kHz | 120Hz-18kHz |

Coverage -

Beam Control LF Limit-

Peak SPL @ 30m -

Typical usable throw distances from a single column

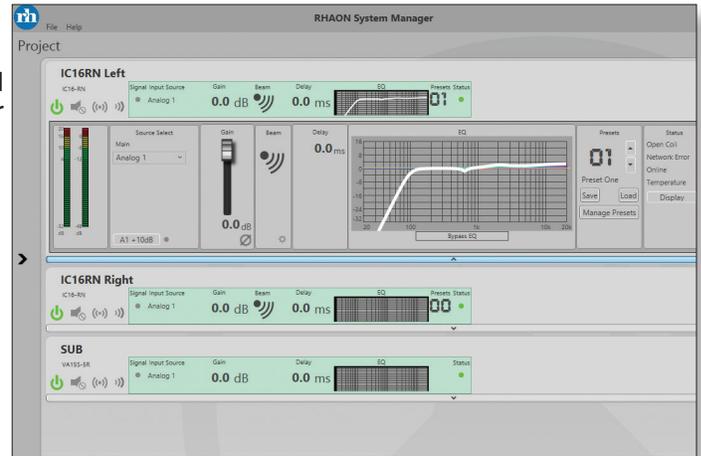
The frequency from which beam steering will be effective (the output is still full range audio)

Instead of the usual 1m reference Iconyx quotes Peak SPL at 30 meters giving a more realistic specification

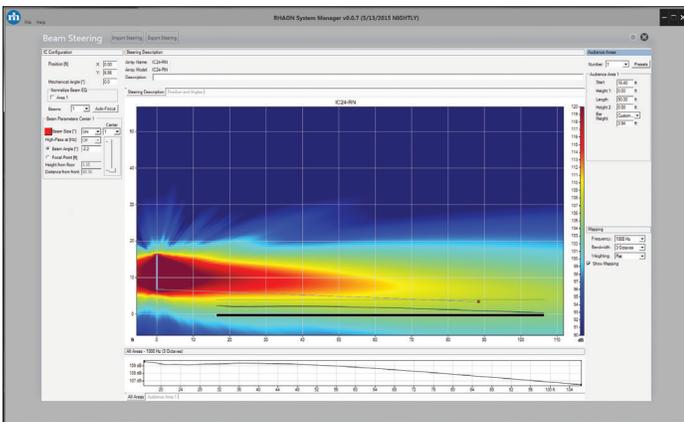
New RHAON II System Manager

RHAON II System Manager has been completely redesigned from the ground up, using highly structured modular code for greater stability and expandability. The result is a new, more robust RHAON technology — faster, more reliable, with a streamlined, intuitive workflow. RHAON II is easy to program, easy to use, and fully compatible with both Gen5 and legacy Renkus-Heinz products.

RHAON II's new, Network agnostic interface has been designed to work with tomorrow's networking protocols as well as today's. Currently supporting AVDECC IEEE1722.1, Cobranet, and AVB, RHAON II has been structured to allow easy implementation of new and emerging protocols, for example Dante and AES67. Support for multiple NICs, and (where supported) wireless operation makes RHAON II easy to integrate into existing network infrastructure.



RHAON II System Manager



BeamWare III Integrated into RHAON II Interface

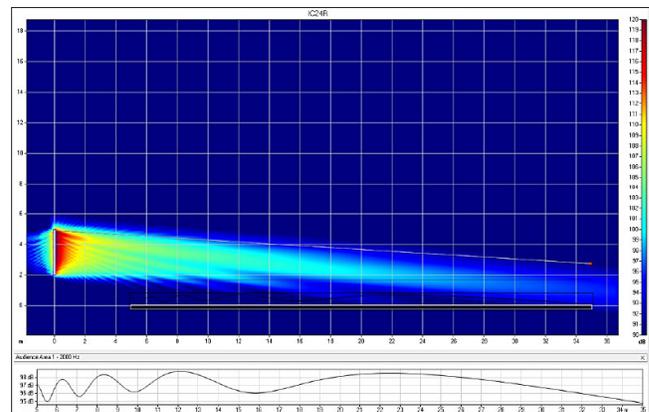
BeamWare III

Incorporated directly into RHAON II is BeamWare III, the latest iteration in Renkus-Heinz' powerful beam steering calculation and simulation program.

BeamWare III takes a new, wizard driven approach to beam steering. Gathering basic room and mounting information from the user BeamWare III uses new, enhanced algorithms to automatically calculate the optimal beam design, acoustic centers, and level profiling, giving you reliable, predictable results, fast. For designers who want to create a custom frequency response target curve, RHAON II will automatically optimize and equalize the beams.

Introducing UniBeam Technology

With conventional point-source loudspeakers, achieving optimal coverage is a trade-off between distance and accuracy. UniBeam (Universal Beam) technology makes it possible to achieve ideal "Half Horn" coverage, using ICONYX digital beam steering to shape your coverage pattern. Point the top of your beam to the back row, and UniBeam will provide seamless coverage to the front of the room, keeping sound away from upper walls and ceilings. Tune the beam's opening angle and intensity to the room with a few mouse clicks, with consistent level and tonality across the entire room. UniBeam delivers faster, easier setup with dramatically better results.



BeamWare III UniBeam Simulation