

Iconyx - The Standard in Digitally Steered Arrays

Iconyx digitally steerable loudspeaker arrays combine digital control and steering with exceptional audio fidelity. They integrate high-performance acoustical components, advanced audiophile quality digital electronics and powerful software in practical, modular systems that virtually disappear in most applications.

Thousands of installations around the world have proven that Iconyx digitally steerable arrays enable both effective communication and expressive musical artistry, even in highly reverberant acoustical environments.

IC-R Gen5 arrays introduce faster, more accurate steering, more robust and flexible networking, TCP/IP control from third-party devices and a new Master/Slave construction reduces system costs.

Applications

- Houses of Worship: traditional & modern
- Transportation terminals: train stations, airports
- Stadiums & arenas: lobbies & forecourts
- Convention centers, warehouses
- Museums: lobbies, galleries
- Performing arts centers: vocal/orchestral "lift," lobbies
- Reverberant Spaces
- Architectural Applications

INTELLIGIBLE • NETWORKABLE • STEERABLE

"Array Within An Array" Triple Tweeter Design

Iconyx IC-R Gen5 arrays use multichannel high-current digital amplifiers to power advanced, purpose-designed coaxial transducers, each one with its own triple tweeter high frequency array. The triple tweeter "array within an array" design reduces the distance between high frequency sources for greatly improved high frequency performance with consistent broad horizontal dispersion.

RHAON II System Manager

RHAON II brings a new level of control and flexibility to Iconyx installations. Straightforward network connections empower multi-channel digital audio distribution, user-controlled DSP, user-selectable presets and comprehensive remote system management and control—all using standard Ethernet hardware and cabling.

Configuration Presets

Iconyx Gen5 arrays can store up to 10 different setup configuration presets in their digital memory and easily recall them from either the controlling computer or from a third party TCP/IP Device .

Flexibility & Power

Iconyx technology gives sound system designers the power to cover almost any audience area perfectly. Multiple sonic beams can be individually shaped and aimed from a single Iconyx array using the software-controlled DSP: up to 16 beams on an IC32-RN.

	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

Digitally Steerable Loudspeaker Array System



IC-RN Gen5

- 5th Generation Design
- Coaxial Transducers
- Triple HF Tweeters
- Multiple Presets





Technical Specifications

	IC8-RN	IC16-8-RN	IC16-RN	IC24-16-RN	IC24-RN	IC32-24-RN	IC32-RN
Freq. Response:	120Hz-18kHz						
Sensitivity:	1.0 Volt for Rated Power Output						
Horiz. Coverage:	150° up to 3kHz, 120° above 3kHz						
Vertical Steering:	+30° to -30°						
Vertical Opening Angles:	20°, 25° & 30°	10°, 15° & 20°	10°, 15° & 20°	10°, 15° & 20°	5°, 10° & 15°	5°, 10° & 15°	5°, 10° & 15°
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
Transducers:	8x4" Coax	3x 4" Coax 5x 4"	16x 4" Coax	11x 4" Coax 5x 4"	24x 4" Coax	19x 4" Coax 5x 4"	32x 4" Coax
Amp Channels:	8	8	16	16	24	24	32
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
Width:	6 1/8" 156mm						
Depth:	6 1/4" 159mm excluding hinge kit, 7 5/16" 186mm including hinge kit						
Weight:	36lbs 16.3kg	51lbs 23.1kg	72lbs 32.6kg	87lbs 39.5kg	108lbs 48.9kg	123lbs 55.8kg	144lbs 65.3kg
Amplifier	8 channel Class D amplifier with DSP						
Input Impedance:	Analog Inputs 1&2 > 20K Ohm balanced differential						
Max Input:	+14dBu Pad Out \ +24dBu Pad Engaged						
Power Rating:	50W RMS per channel						
Power :	Universal 90-260 Volt AC, 50/60Hz						
Idle 115V:	0.5A	0.5A	1.0A	1.0A	1.5A	1.5A	2.0A
230V:	0.25A	0.25A	0.5A	0.5A	0.75A	0.75A	1.0A
1/8 Power 115V:	1.0A	1.0A	2.0A	2.0A	3.0A	3.0A	4.0A
230V:	0.5A	0.5A	1.0A	1.0A	1.5A	1.5A	2.0A
1/3 Power 115V:	3.5A	3.5A	7.0A	7.0A	10.5A	10.5A	14.0A
230V:	1.75A	1.75A	3.5A	3.5A	5.25A	5.25A	7.0A
Connections:	Analog 1 & Analog 2 - Phoenix 6-pin Connector AES\EBU - Phoenix Connector Fault Relay - Phoenix Connector Ethernet Network - RJ45 IEC Power Connector						
Indicators & Controls:	Network Activity and Link LED indicators Power, Fault, Pad, AES, Signal Preset, Input Clip LED indicators Column Reset Button						
Finish:	White paint standard, black and custom color options available						
Mounting:	To Wall Mount use the appropriate included Hinge Kit (HK) Suspension via 4x M6 threaded eyebolt points Flush and In-Wall mounting guide available						
Options:	IP55 Weather Resistant option						
Temperature Limits:	Max.: 140° F/60° C, with no direct sun exposure; Min.: -22° F/-30° C; leave unit on to keep interior warm below 32° F/0° C.						



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