

### 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.

Iconyx Gen5 arrays introduce faster, more accurate steering, more robust and flexible networking, and a new MasterAux 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 9 different setup configuration presets in their digital memory and easily recall them from the controlling computer.

#### 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.

## Digitally Steerable Loudspeaker Array System



### IC-RN Gen5

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



	IC8-RN	IC16-8-RN	IC16-RN	IC24-16-RN	IC24-RN	IC32-24-RN	IC32-RN
<b>Coverage</b>	65 ft / 20 m	100 ft / 30 m	130 ft / 40 m	165 ft / 50 m	195 ft / 60 m	230 ft / 70 m	270 ft / 80 m
<b>Peak SPL @30m</b>	100 dB	100 dB	106 dB	106 dB	107 dB	107 dB	109 dB
<b>Beam Control LF Limit</b>	800 Hz	400 Hz	400 Hz	250 Hz	250 Hz	200 Hz	200 Hz
<b>Height</b>	37 11/16" 957 mm	74 3/4" 1898 mm	74 3/4" 1898 mm	111 13/16" 2840 mm	111 13/16" 2840 mm	148 7/8" 3781 mm	148 7/8" 3781 mm
<b>Freq. Resp.</b>	80 Hz - 20 kHz	80 Hz - 20 kHz	80 Hz - 20 kHz	80 Hz - 20 kHz	80 Hz - 20 kHz	80 Hz - 20 kHz	80 Hz - 20 kHz



## Technical Specifications

	IC8-RN	IC16-8-RN	IC16-RN	IC24-16-RN	IC24-RN	IC32-24-RN	IC32-RN
<b>Freq. Response:</b>	100Hz-16kHz (-3 dB) 80Hz - 20kHz (-10 dB)						
<b>Sensitivity:</b>	1.4 Volt for Rated Power Output						
<b>Horiz. Coverage:</b>	150° up to 3kHz, 120° above 3kHz						
<b>Vertical Steering:</b>	+30° to -30°						
<b>Vertical Opening Angles:</b>	20°, 25° & 30°	20°, 25° & 30°	10°, 15° & 20°	5°, 10° & 15°	5°, 10° & 15°	5° & 10°	5° & 10°
<b>Coverage</b>	65 ft / 20 m	100 ft / 30 m	130 ft / 40 m	165 ft / 50 m	195 ft / 60 m	230 ft / 70 m	270 ft / 80 m
<b>Peak SPL</b>	130 dB @1m 100 dB @30m	130 dB @1m 100 dB @30m	136 dB @1m 106 dB @30m	136 dB @1m 106 dB @30m	137 dB @1m 107 dB @30m	137 dB @1m 107 dB @30m	139 dB @1m 109 dB @30m
<b>Beam Control LF Limit</b>	800 Hz	400 Hz	400 Hz	250 Hz	250 Hz	200 Hz	200 Hz
<b>Transducers:</b>	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
<b>Amp Channels:</b>	8	8	16	16	24	24	32
<b>Height</b>	37 11/16" 957 mm	74 3/4" 1898 mm	74 3/4" 1898 mm	111 13/16" 2840 mm	111 13/16" 2840 mm	148 7/8" 3781 mm	148 7/8" 3781 mm
<b>Width:</b>	6 1/8" 156 mm						
<b>Depth:</b>	6 1/4" 159 mm excluding hinge kit, 7 5/16" 186 mm including hinge kit						
<b>Weight:</b>	36 lbs 16.3 kg	51 lbs 23.1 kg	72 lbs 32.6 kg	87 lbs 39.5 kg	108 lbs 48.9 kg	123 lbs 55.8 kg	144 lbs 65.3 kg
<b>Amplifier</b>	Multi-Channel Class D amplifier with DSP						
<b>Input Impedance:</b>	Analog Inputs 1&2 > 20K Ohm balanced differential						
<b>Max Input:</b>	+14 dBu Pad Out \ +24 dBu Pad Engaged						
<b>Power :</b>	Universal 100-240 V AC, 50/60 Hz						
<b>Idle 115V:</b>	0.5 A	0.5 A	1.0 A	1.0 A	1.5 A	1.5 A	2.0 A
<b>230V:</b>	0.25 A	0.25 A	0.5 A	0.5 A	0.75 A	0.75 A	1.0 A
<b>1/8 Power 115V:</b>	1.1 A	1.1 A	2.0 A	2.0 A	2.9 A	2.9 A	3.8 A
<b>230V:</b>	0.6 A	0.6 A	1.1 A	1.1 A	1.5 A	1.5 A	2.0 A
<b>1/3 Power 115V:</b>	2.9 A	2.9 A	5.3 A	5.3 A	7.8 A	7.8 A	10.1 A
<b>230V:</b>	1.6 A	1.6 A	2.9 A	2.9 A	4.0 A	4.0 A	5.3 A
<b>Connections:</b>	Analog 1 & Analog 2 - Phoenix 6-pin Connector AES/EBU - Phoenix Connector Fault Relay - Phoenix Connector Ethernet Network - RJ45 IEC Power Connector						
<b>Indicators &amp; Controls:</b>	Network Activity and Link LED indicators Power, Fault, Pad, AES, Signal Preset, Input Clip LED indicators Column Reset Button						
<b>Finish:</b>	White paint standard, black and custom color options available						
<b>Mounting:</b>	To Wall Mount use the appropriate included Hinge Kit (HK) Suspension via 4x M6 threaded eyebolt points Flush and In-Wall mounting guide available						
<b>Options:</b>	IP55 Weather Resistant option						
<b>Temperature Limits</b>	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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Technical Specifications

