

Musical Sound For Imposing Spaces

Public buildings are designed to convey strong messages. But the high ceilings and reflective surfaces of institutional architecture produce long reverberation times, making it difficult for people to hear and communicate clearly. Iconyx Digitally Steerable Arrays are the first sound systems that enable both effective communication and expressive musical artistry. Iconyx does all of this without compromising the architectural statement of the building itself.

The transparent design of Iconyx integrates high-performance acoustical components, advanced, audiophile-quality digital electronics and powerful software in practical, modular systems that virtually disappear in most large buildings. Iconyx is the first solution to combine digital steering with exceptional audio fidelity.

Transparent Solutions

- Houses of Worship: traditional & modern
- Transport Terminals: train stations, airports, etc.
- Stadiums & Arenas: lobbies & forecourts
- Convention Centers, warehouses, etc.
- Museums: lobbies, galleries, etc.
- Performing Arts Centers: vocal/orchestral "lift," lobbies, etc.
- Any highly reverberant environment where enjoyable music and/or intelligible speech are as important as the architectural design

MUSICAL • INTELLIGIBLE • PRACTICAL

Focused Acoustic Control

The IC7 & ICX7's acoustic beam focuses the sound on the audience and not on the walls and ceiling, improving intelligibility in reverberant spaces.

High-performance Coaxial Transducers

Control is pointless unless the sound is accurate, natural and enjoyable. That's why the Iconyx IC7 and ICX7 use advanced, purpose-designed coaxial transducers to broaden their horizontal dispersion at high frequencies and improve musical reproduction.

Flexibility

The IC7 is self-powered for convenience and flexibility; the ICX7 is designed for use with external amplifiers. Both are also available in weather resistant models suitable for outdoor installations.

Class D Digital Amplifier

IC7 line arrays include a Class D digital power amplifier with loudspeaker-specific signal processing and protection against overload damage.

Architecturally Transparent

The tall, slim Iconyx enclosure is designed to be heard but not seen. It mounts flush to walls and columns, blending invisibly with almost any architectural style. Yet Iconyx aims the sound precisely at the audience, and nowhere else. The narrow vertical opening angle allows the Iconyx modules to focus the energy on the audience, while avoiding excessive energy in unwanted areas.

Mechanically Steerable Loudspeaker Array Systems



ICX7
Non-Powered

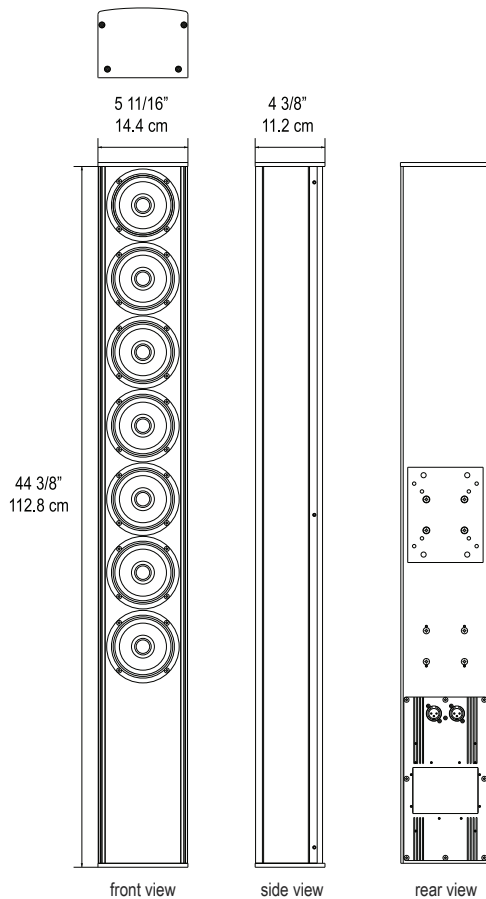
IC7
Powered



Give the IC7 and ICX7 six inches (15 cm) of wall space, and it will give everyone beautifully detailed, naturally balanced full range sound.



IC7 & ICX7 Technical Specifications



Sensitivity - IC7: 1.0 V (for rated power output)
ICX7: 96 dB (1W/1m)

Freq. Range: 120 Hz to 18 kHz

Max SPL: 117 dB peak, 114 dB pgm @ 1meter;
 (3-octave bandwidth centered at 2 kHz)

Horiz. Dispersion: 150° up to 3 kHz; 120° above 3 kHz

Vert. Dispersion: 30 degrees

Typical Throw: 66 Ft. (20 meters)

Beam Control: Effective down to 800 Hz

No. Transducers: 7

Dimensions: 44 3/8" H x 5 11/16" W x 4 3/8" D
 (112.8 cm x 14.4 cm x 11.2 cm)

Weight - IC7: 27.3 Lbs (12.4 Kg)
ICX7: 27 Lbs (12.2 Kg)

Power - IC7: 2.4 A @ 120 V, 1.2 A @ 240 V, 50-60 Hz
ICX7: 175 Watts RMS @ 6 Ohms

Enclosure: Extruded Aluminum with perforated steel grille;

Transducers: Coaxial with a 4" woofer and 1" tweeter,
 RH model SSL4.2: 25 W RMS, 50 W pgm

Connectors - IC7: See IC7 amplifier specifications
ICX7: Looping XLR: female in, male out
 (pin 1 chassis, pin 2 +, pin 3 -)

Finish: White paint (Ral #9010); black or custom color paint available

Options: 70/100 Volt line matching transformer
 HK-IC7 Wall mounting assembly
 WR Weather Resistant Treatment

IC7 AMPLIFIER

Power Rating: 175 Watts RMS @ 4 Ohms, 300 Watts Burst

Freq. Response: +0.0, -5 dB, 20 Hz to 20 kHz

THD Distortion: < 0.02% typical
Hum & Noise: <100 dB (A weighted)

Damping: >100
Input: 10K Ohm balanced differential

Input Sensitivity: 1.0 V for RPO
C.M.R.R.: 74 dB

Connectors - Input: Looping XLR; female in, male out (pin 1 chassis,
 pin 2 +, pin 3 -)
- Power: IEC power connector

Controls: Gain (screwdriver adjustable)

Power Requirements: Universal 90-260 VAC, 50/60Hz. 2.4 A
 @ 120 V, 1.2 A @ 240 V

Idle Current: 200 mA @ 120 V; 100 mA @ 240 V

Max Inrush Current: 1 A

Agency Approval: CSA-UL 60065-03
 IEC60065, 7th Ed.