

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 arrays are the first sound systems that enable both effective communication and expressive musical artistry in these rooms. Iconyx does all of this without compromising the architectural statement of the building itself.

The transparent design of Iconyx integrates high-performance acoustical components and advanced, audiophile-quality digital electronics in practical systems that virtually disappear in most buildings.

Transparent Solutions

- Houses of Worship: traditional & modern
- Transportation terminals: train stations, airports, etc.
- Stadiums & arenas: lobbies & fore courts
- 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 of primary importance.

MUSICAL • INTELLIGIBLE • PRACTICAL

Focused Acoustic Control

The IC7-II & ICX7-II feature four traditional 4 inch woofers and three 4 inch coaxial transducers, each with three high-frequency devices. Configured in a modified Bessel configuration IC7-II produces a tightly focused acoustic beam that can be directed onto the audience and not onto 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-II and ICX7-II use advanced, purpose-designed coaxial transducers with 3 tweeters in an "array within an array" design for high frequency reproduction. The design reduces the distance between high frequency sources and greatly improves high frequency performance while maintaining consistent broad horizontal dispersion.

Flexibility

The IC7-II is self-powered for convenience and flexibility; the ICX7-II is designed for use with external amplifiers. Both can be stacked for applications needing more power and control.

Stackable

IC7-II and ICX7-II line arrays may be stacked two tall to provide even higher output and increased control. A single column provides a vertical dispersion of 30 degrees, stacking gives an additional 6dB output and a tight 15 degree beam.

Class D Digital Amplifier

IC7-II 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.

Mechanically Steerable Loudspeaker Array System



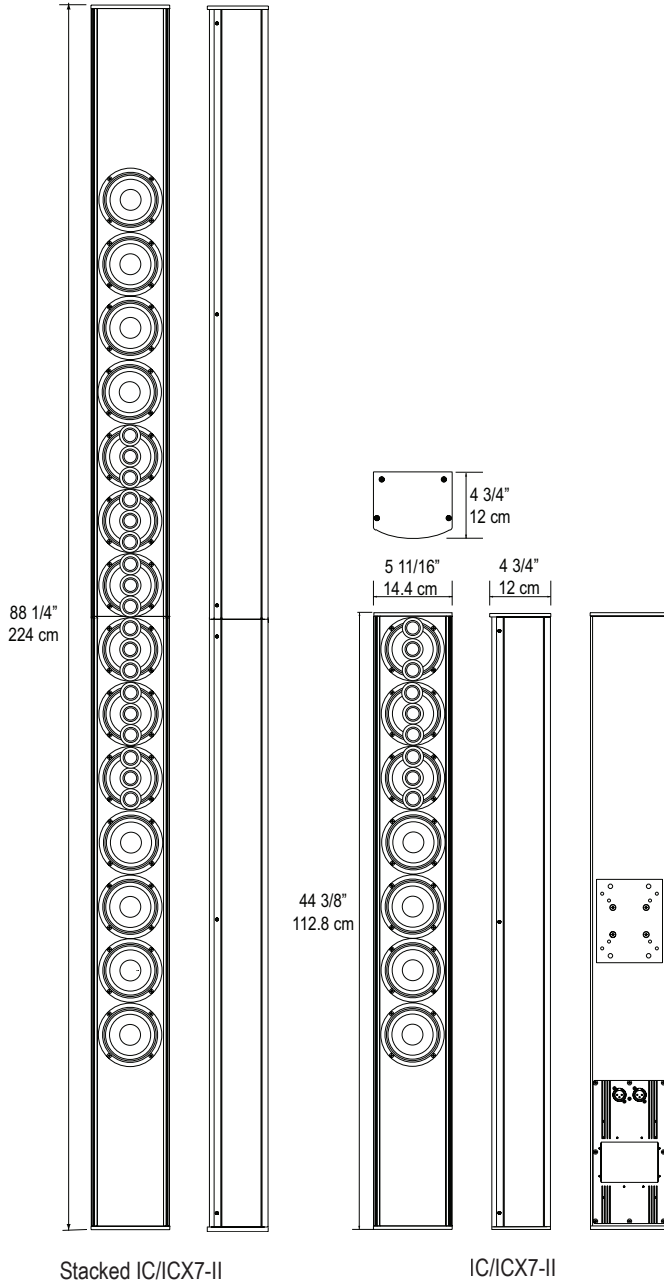
IC7-II **ICX7-II**
Self-Powered Non-Powered



IC/ICX7-II
Single and Dual
Configurations



IC7-II & ICX7-II Technical Specifications



- Sensitivity - IC7-II:** 1.0 V (for rated power output)
- ICX7-II:** 96 dB (1W/1m)
- Freq. Range:** 120 Hz to 18 kHz
- Max SPL:** (Single) 117 dB peak @ 1 meter
(Stacked) 123 dB peak @ 1 meter
- Horiz. Dispersion:** 150° up to 3 kHz; 120° above 3 kHz
- Vert. Dispersion:** (Single) 30 degrees
(Dual) 15 degrees
- Typical Throw:** (Single) 66 Ft. (20 meters)
(Stacked) 132 Ft. (40 meters)
- Beam Control:** (Single) Effective down to 800 Hz
(Stacked) Effective down to 400 Hz
- Dimensions:** See drawing
- Weight - IC7-II:** 30 Lbs (13.8 Kg)
- ICX7-II:** 29.4 Lbs (13.4 Kg)
- Power - IC7-II:** 2.4 A @ 120 V, 1.2 A @ 240 V, 50-60 Hz
- ICX7-II:** 175 Watts RMS @ 6 Ohms
- Enclosure:** Extruded Aluminum with perforated steel grill
- Transducers:** 3 - Coaxial with a 4" woofer and triple 1" tweeters, RH model SSL4-7 25 W RMS, 50 W pgm
4- 4" woofer; RH model SSL4-8, 25 Watts RMS 50 W pgm
- Connectors - IC7-II:** See IC7-II amplifier specifications
- ICX7-II:** Looping Neutrix Speakon & Screw Terminals
- Finish:** White or Black paint; custom colors available
- Options:** 70/100 Volt line matching transformer
HK-IC7 Wall mounting assembly
- IC7-II AMPLIFIER**
- Power Rating:** 175 Watts RMS @ 4 Ohms
- 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
- Input Connectors:** Looping XLR; female in, male out (pin 1 chassis, pin 2 +, pin 3 -)
- Power Connector:** 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.