

ICONYX

Ultimate Flexibility in High-output Steerable Arrays

The ICLive X series brings a new level of flexibility for integrators, contractors, and production/rental houses alike to provide the best solution for any application. The ICLive X series is a complete system, designed from the ground up, consisting of two freely combinable, steerable-array modules, the ICLX and ICLXL, and two matching subwoofers, the ICLXS and the ICLX-118S.

New for the ICLive X Series is Renkus-Heinz's exclusive Acoustic Source Multiplier (ASM) waveguide. The ASM allows the HF section to be coaxially mounted in front of the LF section. The coaxial driver arrangement delivers a consistent and symmetrical array of both

Applications

- The ICLX is a compact, very high-output, high fidelity steerable array module suitable for multiple applications.
- Used alone, the main loudspeaker in smaller rooms.
- In arrays up to 12 tall for very high directivity, high output applications in the performing arts, production, corporate and HOW markets.
- Completely modular design can be arrayed with the ICLXL and ICLS modules for the ultimate in array flexibility
- The ICLX and ICLXL can be combined into highly directional arrays that bring high power performance audio and high speech intelligibility to reverberant spaces without compromising either intelligibility or power.

high frequencies and low frequencies along the entire length of the array, allowing the freedom to choose any acoustic center available.

In addition, the ASM reduces inter-driver spacing to its absolute minimum, insuring gradient-lobe free performance to very high frequencies.

ICLX

The ICLX steerable array module comprises six, 19 mm compression drivers on an ASM Waveguide coaxially mounted in front of two 8" woofers. The built-in amplifier has eight amplifier channels each with its own dedicated DSP channel.

The ICLX by itself is fully steerable down to 1500 Hz, and its dual woofer arrangement maintains significant pattern control down to lower frequencies. The ICLX is a highly versatile loudspeaker and is intended to be used as a high output digitally steerable line array module in array combinations with the ICLX and ICLXS up to 12 boxes tall. This provides the system designer with the horsepower, steerability and directivity to deliver consistent coverage and clarity for even the biggest shows in the most difficult spaces.

On it's own, the ICLX can be used standalone, as main speakers for smaller rooms; portable, speaker-on-a-stick applications; center channel, or any sort of fill applications.

ICLive X Series

ICLX

Dual 8" LF + Six 19 mm HF Compact, High-output Steerable Array Module



• Very High Output

Outstanding, full-range 80 Hz to 18 kHz performance in a space saving steerable array module.

• Dual Eight-inch Woofers for Excellent Bass Response

Strong performance to 80 Hz.

• Six, 19 mm Extended Range Mylar HF Drivers

Provides smooth, low distortion high frequency performance to 18 kHz and beyond.

• ASM Waveguide

Coaxial mounting of the HF drivers as close together as possible, maximizing steerability.

ICLive X Series Array Module Specifications

	ICLX	ICLXL	ICLXS
Frequency Response:	80 Hz to 18 kHz (+/- 3dB)		80 Hz to 250 kHz (+/- 3dB)
Sensitivity:	1.0 volt for rated output, analog		
Calculated Max. SPL:	129 dB (peak, whole space)	131 dB (peak, whole space)	131 dB (peak, whole space)
Dispersion:	120° horizontal x adjustable vertical		120° horizontal x 90 vertical <i>When used singly</i>
Beam Control:	Steerable from 1.5 kHz and up Directivity from 750 Hz and up <i>When used singly</i>	Steerable from 750 Hz and up Directivity from 375 Hz and up <i>When used singly</i>	Steerable only when used in arrays. Steering frequency determined by array height.
Aiming Angle:	Adjustable from -30° to +30°		
Vertical Opening Angles:	10° to 45° (computer adjustable, array height dependent)		
Transducers:	Woofer: SSL8-16; High Frequency Driver: SSD-DE7-8; Replacement HF Diaphragm CD-DE7-8		
Connector:	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45, primary & secondary		
Enclosure:	13 ply birch plywood		
Grille:	16 GA powder-coated, plated steel		
Finish:	Black (RAL9010) or White (RAL9011) paint		
Mounting:	12 x M6 UMH points; 1 x 1-3/8" / 35 mm pole socket. R-HANG Array hardware. W-WALL-ICX wall mount bracket.		
Dimensions:	9-1/2" w x 19-1/4" h x 13-1/4" d 241 mm w x 489 mm h x 337 mm d		9-1/2" w x 38-1/2" h x 13-1/4" d 241 mm w x 978 mm h x 337 mm d
Weight:	43 lbs/19.5 kg	70 lbs/31.8 kg	58 lbs/26.3 kg
Amplifier Specifications			
Power Output:	Eight channels, 100 watts, @ 8 ohms, ea. Multi-band peak and thermal limiting on all channels protects the drivers.		
Mains Voltage:	100-240 volts, 50/60 Hz auto-switching		
Power Consumption:	Idle: 800 mW. 1/8 power: 385 W (<i>onset of limiting</i>) 1/3 power: 1340 W (<i>hard limiting</i>)		
Power Connector:	Neutrik powerCON TRUE-1		
Audio Connections:	2 x XLR-3, In & Loop-out, Analog and AES, 2 x RJ45 Ethernet		
Latency:	9 ms	9 ms	9 ms Analog & AES 9 ms + Dante transport latency
User DSP:	Eight fully parametric filters, high and low shelf, high and low pass filters, delay to 340 ms.		
Software:	RHAON II		
Max. Input Level:	+22 dBu, Analog; 0 dBFS digital		
Network Connections:	2 x RJ45, Looping Ethernet/RHAON		

Note: All analog inputs and outputs comply with AES Standard 48-2005 on interconnecting, grounding and shielding.

