

### 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 ICLXL is a very high-output, high fidelity steerable array module suitable for multiple applications.
- Used alone, the main loudspeaker in medium-sized rooms.
- In arrays with the ICLX or additional ICLXLs it achieves very high directivity for use high output applications in the performing arts, production, corporate and HOW markets.
- Completely modular design can be arrayed with the ICLX and ICL-S 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 it's absolute minimum, insuring gradient-lobe free performance to very high frequencies.

#### ICLXL

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

The ICLXL by itself is fully steerable down to 750 Hz, and its quad woofer arrangement maintains significant pattern control down to lower frequencies. The ICLXL 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 ICLXL can be used as main speakers for medium-sized rooms, portable on it's matching subwoofer or mounted to the wall on it's install mounting bracket.

# ICLXL

### Four 8" LF + Four 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.

#### • Quad Eight-inch Woofers for Excellent Bass Response

Strong performance to 80 Hz.

#### • Four, 19 mm Extended Range Mylar HF Drivers

Provide 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
<b>Frequency Response:</b>	80 Hz to 18 kHz (+/- 3dB)		80 Hz to 250 kHz (+/- 3dB)
<b>Sensitivity:</b>	1.0 volt for rated output, analog		
<b>Calculated Max. SPL:</b>	129 dB (peak, whole space)	131 dB (peak, whole space)	131 dB (peak, whole space)
<b>Dispersion:</b>	120° horizontal x adjustable vertical		120° horizontal x 90 vertical <i>When used singly</i>
<b>Beam Control:</b>	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.
<b>Aiming Angle:</b>	Adjustable from -30° to +30°		
<b>Vertical Opening Angles:</b>	10° to 45° (computer adjustable, array height dependent)		
<b>Transducers:</b>	Woofer: SSL8-16; High Frequency Driver: SSD-DE7-8; Replacement HF Diaphragm CD-DE7-8		
<b>Connector:</b>	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45, primary & secondary		
<b>Enclosure:</b>	13 ply birch plywood		
<b>Grille:</b>	16 GA powder-coated, plated steel		
<b>Finish:</b>	Black (RAL9010) or White (RAL9011) paint		
<b>Mounting:</b>	12 x M6 UMH points; 1 x 1-3/8"/35 mm pole socket. R-HANG Array hardware. W-WALL-ICX wall mount bracket.		
<b>Dimensions:</b>	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	
<b>Weight:</b>	43 lbs/19.5 kg	70 lbs/31.8 kg	58 lbs/26.3 kg
<b>Amplifier Specifications</b>			
<b>Power Output:</b>	Eight channels, 100 watts, @ 8 ohms, ea. Multi-band peak and thermal limiting on all channels protects the drivers.		
<b>Mains Voltage:</b>	100-240 volts, 50/60 Hz auto-switching		
<b>Power Consumption:</b>	Idle: 800 mW. 1/8 power: 385 W ( <i>onset of limiting</i> ) 1/3 power: 1340 W ( <i>hard limiting</i> )		
<b>Power Connector:</b>	Neutrik powerCON TRUE-1		
<b>Audio Connections:</b>	2 x XLR-3, In & Loop-out, Analog and AES, 2 x RJ45 Ethernet		
<b>Latency:</b>	9 ms	9 ms	9 ms Analog & AES 9 ms + Dante transport latency
<b>User DSP:</b>	Eight fully parametric filters, high and low shelf, high and low pass filters, delay to 340 ms.		
<b>Software:</b>	RHAON II		
<b>Max. Input Level:</b>	+22 dBu, Analog; 0 dBFS digital		
<b>Network Connections:</b>	2 x RJ45, Looping Ethernet/RHAON		
<i>Note: All analog inputs and outputs comply with AES Standard 48-2005 on interconnecting, grounding and shielding.</i>			

