

### 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 three combinable, steerable-array modules, the ICLX, ICLXL, and the ICLLX; and one matching subwoofer, the ICLX-118S.

New for the ICLive X Series is Renkus-Heinz's exclusive Acoustic Source Multiplier (ASM) waveguide. The ASM reduces inter-driver spacing to its absolute minimum, insuring gradient-lobe free performance to very high frequencies. Additionally, the ASM allows the HF section to be coaxially mounted in front of the LF section, which produces consistent and symmetrical array of both high frequencies and low frequencies along the entire length of the array, improving performance through the critical crossover region.

### Applications

- The ICLX is a compact, very high-output, high fidelity steerable array module suitable for multiple applications.
- Used alone, the ICLX can be a 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 ICLLX modules for the ultimate in array flexibility
- The ICLX, ICLXL, and ICLLX 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.

### 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 arrays up to 12 modules tall, or in combination with the ICLXL and ICLLX. 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 its 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 141 dB Peak SPL performance in a space saving steerable array module.

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

Strong performance to 75 Hz.

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

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

#### • ASM Waveguide

Reduces apparent source spacing, minimizing the effect of high frequency gradient lobes.

## ICLive X Array Module Specifications

### ICLX

<b>Frequency Response:</b>	90 Hz to 15 kHz (-3dB) 75 Hz to 20 kHz (-10 dB)
<b>Sensitivity:</b>	1.4 V RMS for rated output, analog
<b>Calculated Max. SPL:</b>	132 dB Peak @ 1 m, 102 dB @ 30 m (single cabinet) 141 dB Peak @ 1 m, 111 dB @ 30 m (four or more cabinets)
<b>Dispersion:</b>	120° horizontal x adjustable vertical
<b>Beam Control:</b>	Steerable from 1.5 kHz and up Directivity from 750 Hz and up <i>When used singly</i>
<b>Aiming Angle:</b>	Adjustable from -30° to +30°
<b>Vertical Opening Angles:</b>	10° to 45° UniBeam (computer adjustable, array height dependent)
<b>Transducers:</b>	LF: 2 x SSL8-22; HF: 6 x SSD-DE7-8; Replacement HF Diaphragm CD-DE7-8
<b>Array Location:</b>	Freely Arrayable when only using ICLX, must be arrayed above ICLXL or below ICLLX.
<b>Enclosure:</b>	13 ply birch plywood
<b>Grille:</b>	16 GA powder-coated, plated steel
<b>Finish:</b>	Black (RAL9010), White (RAL9011) paint, or Custom color
<b>Mounting:</b>	12 x M6 UMH points; 1 x 1-3/8" / 35 mm pole socket. RHANG-ICLX flybar. HK-ICLX or HK-ICLX1 wall mount bracket.
<b>Dimensions:</b>	9-1/2" w x 19-1/4" h x 13-1/4" d
<b>Weight:</b>	241 mm w x 489 mm h x 337 mm d 43 lbs/19.5 kg

### Amplifier Specifications

<b>Power Output:</b>	Eight channels, Multi-band peak and thermal limiting on all channels protects the drivers.
<b>Mains Voltage:</b>	100-240 V, 50/60 Hz auto-switching
<b>Power Consumption:</b>	Idle: 0.35 A (120 V) / 0.18 V (240 V). 1/8 power: 1.5 A (120 V) / 0.75 A (240 V) 1/3 power: 4 A (120 V) / 2 A (240 V)
<b>Power Connector:</b>	Neutrik powerCON TRUE-1
<b>Audio Connections:</b>	2 x XLR-3 (Mobile only), 2 x 6pin Phoenix block (Fixed only) In & Loop-out, Analog and AES
<b>Latency:</b>	9 ms
<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>	1x RJ45 (Fixed -RN only), 2 x RJ45, primary & secondary (Fixed -RD only) 2x Ethercon, primary & secondary (Mobile)
<b>Options:</b>	Fixed or Mobile input plate, Fiber Option Connections (Fixed -RDO only), IP55 Weather Rating available (-WR Models)

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

