

# X15 HiQ REFERENCE STAGE MONITOR



## ELECTRO-ACOUSTICS



POINT SOURCE



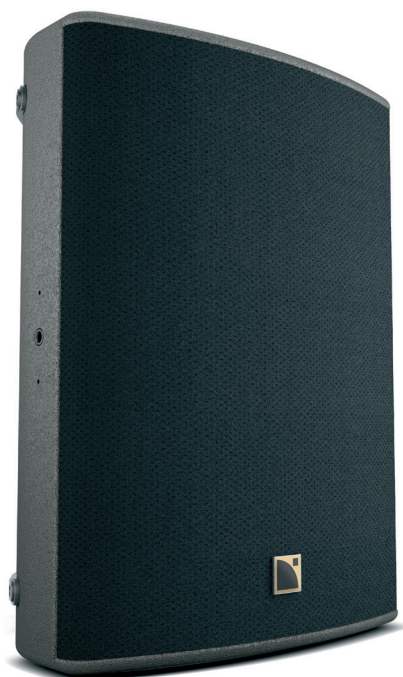
COAXIAL



L-VENTS



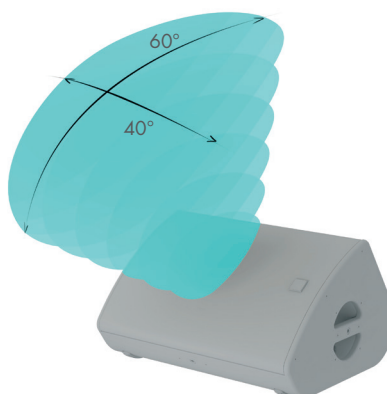
ELLIPSOID  
WAVEGUIDE



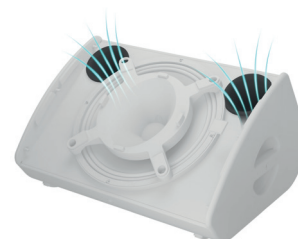
The X15 HiQ is an active coaxial system designed as a reference stage monitor. The enclosure features a 3" diaphragm compression driver coaxially-loaded by a 15" low frequency transducer in a bass-reflex cabinet. The L-Vents laminar vented ports reduce turbulence and port noise at high levels to increase LF efficiency.

The X15 HiQ operates from 55 Hz to 20 kHz. The coaxial transducer arrangement and its ellipsoid waveguide produce a 40° x 60° directivity pattern with a smooth tonal response free of secondary lobes over the entire frequency range. As a result, X15 HiQ boasts an exceptional immunity to feedback.

The L-Acoustics amplified controllers ensure the advanced crossover functions, time alignment, linearization and L-Drive protection of the transducers.



Ellipsoid directivity



L-Vents laminar vented ports

## PHYSICAL

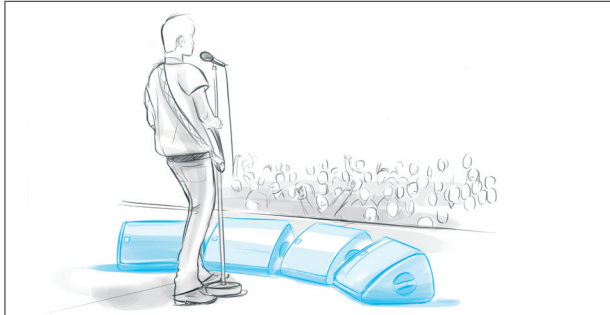
With a cabinet combining the properties of birch and beech plywood, X15 HiQ weighs a mere 21 kg and features ergonomic handles for a solid grip and efficient handling. Its elegance and ultra-low profile make for an easy integration into the set. It provides a stage monitoring angle setting of 35° with regard to vertical or 55° thanks to its built-in risers. For special narrow fill applications, the X15 HiQ can be pole-mounted using the integrated socket or flown and tilted in various orientations using its rigging accessories.



Dual stage monitoring angle - built-in risers

## APPLICATIONS AND BENEFITS

The X15 HiQ combines all the qualities of a reference stage monitor. It offers power (SPL) in beamwidth, an excellent acoustic isolation with its narrow ellipsoid directivity of  $40^\circ \times 60^\circ$ , a high immunity to feedback, an ultra-low profile and low weight for integration and handling, a rugged build and an active design with low latency preset. In addition, sound designers can take advantage of its directivity for narrow fill applications.



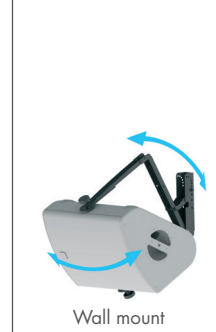
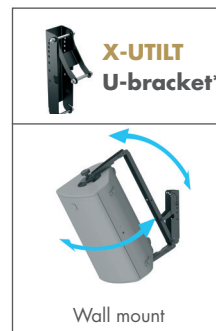
Stage monitor



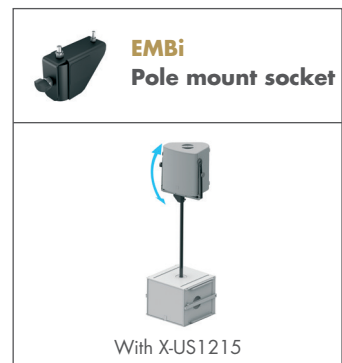
Narrow fills

## RIGGING

The X15 HiQ can be pole-mounted using the integrated socket. Other deployments such as wall-mounted, ceiling-mounted or flown are quick and easy, with a complete range of rigging accessories that offer multiple set-up options and various orientations.



\* wall mount with tilt adjustment

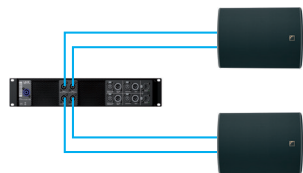


## AMPLIFIED CONTROLLERS

### LA4X: amplified controller with DSP



4 x 1000 W/8 ohms or 4 ohms  
4 inputs x 4 outputs architecture

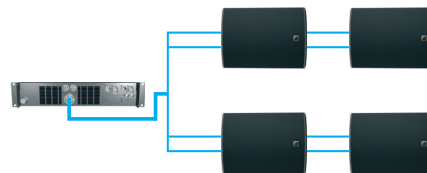


Max 2 enclosures per amplified controller

### LA8: amplified controller with DSP



4 x 1800 W/4 ohms or 2.7 ohms  
2 inputs x 4 outputs architecture



Max 4 enclosures per amplified controller

### LA-RAK: touring rack containing three LA8, with power, audio and network distribution



## SUBWOOFERS

### SB18(i/m): compact subwoofer (1x18")



System bandwidth: 32 Hz - 20 kHz  
Contour reinforced by 8 dB at 100 Hz  
Ratio of one SB18 to one X15 HiQ



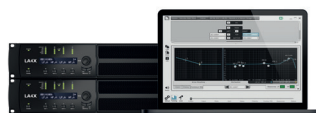
## SOFTWARE

### SOUNDVISION: simulation software



3D electro-acoustic &  
mechanical simulation software

### LA Network Manager: control & monitoring software



Real-time control and  
monitoring up to 253 units  
Multiple network topologies

### X series: a complete range for professional sound reinforcement



The X Series comprise four coaxial enclosures with distinct formats, bandwidth, SPL and coverage angles adapted to short throw applications in rental productions and fixed installations. With studio monitor sound quality, the X Series convey a natural and transparent sound.

Coaxial technology allows for a compact design and constant tonal balance over distance, giving the X Series smooth coverage for off-axis audiences, no minimum listening distance and high feedback rejection.

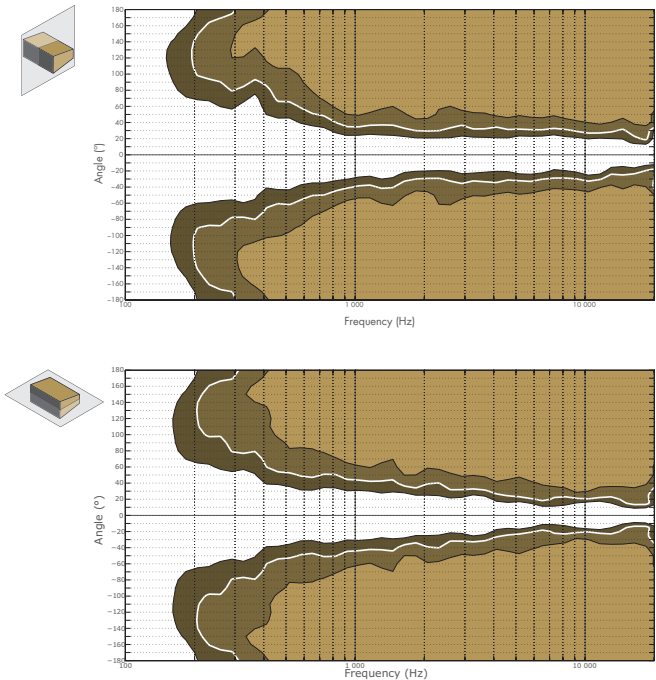
# SPECIFICATIONS

|                               |  |
|-------------------------------|--|
| Description                   | Active 2-way coaxial enclosure, controlled and amplified by LA4X / LA8 |
| Usable bandwidth (-10 dB)     | 55 Hz - 20 kHz ([X15] preset)  |
| Maximum SPL <sup>1</sup>      | 136 dB ([X15] preset)  |
| Nominal directivity           | Vertical: 60°  |
|                               | Horizontal: 40°  |
| Monitoring angle <sup>2</sup> | 35° without risers   |
|                               | 55° with risers  |
| Transducers                   | LF: 1 × 15" neodymium, bass-reflex, laminar vents                      |
|                               | HF: 1 × 3" neodymium compression driver, ellipsoid waveguide           |
| Nominal impedance             | LF: 8 Ω  |
|                               | HF: 8 Ω  |
| Connectors                    | IN: SpeakON®   |
|                               | LINK: SpeakON®   |
| Rigging and handling          | 2 × handles  |
|                               | DIN580-compatible M8 threaded insert                                   |
|                               | 4 × M10 threaded inserts   |
|                               | 2 × 35 mm pole sockets   |
| Weight (net)                  | 21 kg / 46.2 lb  |
| Cabinet                       | First grade Baltic birch and beech plywood                             |
| Finish                        | Dark grey brown Pantone® 426C  |
|                               | Custom RAL® code on special order                                      |
| IP                            | IP43   |

1- Peak level at 1 m under free field conditions using 10 dB crest factor pink noise with preset specified in brackets.

2- With regard to vertical.

## BEAMWIDTH



► Dispersion angle diagram of a single X15 HiQ in vertical (top) and horizontal (bottom) plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

## DIMENSIONS

