



# 115XT HiQ

## COAXIAL STAGE MONITOR

The **115XT HiQ** is the high-end model within the L-ACOUSTICS® XT coaxial series, designed for stage monitor and distributed FOH applications. It operates as an active 2-way enclosure, over a frequency bandwidth from 50 Hz to 20 kHz which can be lowered to 32 Hz with the addition of the SB18 subwoofer.

The 115XT HiQ enclosure contains a 3" diaphragm compression driver loaded onto a constant directivity conical waveguide united in a coaxial configuration with a 15" low frequency transducer. Integrated into a compact low profile bass-reflex tuned enclosure this coaxial transducer arrangement produces a 50° axi-symmetric directivity output along with a smooth tonal response free of any secondary lobes over the entire frequency range, resulting in exceptional immunity to feedback especially in monitoring situations.

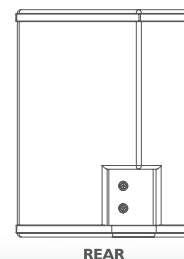
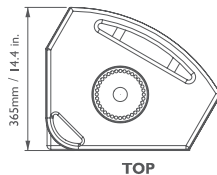
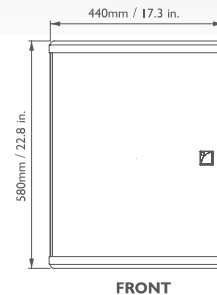
Made of high-grade Baltic birch plywood, the wedge-shaped cabinet design makes the 115XT HiQ perfectly suited to short or long throw monitoring use with two fixed angle settings of 30° and 60° from vertical. The 115XT HiQ can also be pole-mounted using the integrated socket or flown using the complementary ETR15 bracket or XTLIFTBAR accessory.

The control and amplification of the 115XT HiQ is managed by the L-ACOUSTICS® LAB platform. The active DSP filtering encompasses advanced crossover functions, system EQ, HF and LF transducer time alignment, and dual protection of the transducers (PEAK and RMS). The L-ACOUSTICS® LAB amplified controller offers the following drive modes:

- "FULL RANGE" mode for 115XT HiQ standalone use at nominal bandwidth ([HIQ\_FR], [HIQ\_FI] and [HIQ\_MO] presets)
- "HIGH-PASS" mode with 100 Hz high-pass filter to possibly associate the complementary SB18 subwoofer ([HIQ\_FR\_100], [HIQ\_FI\_100] and [HIQ\_MO\_100] presets)

For each mode a distinction is drawn between [FRONT], [FILL] and [MONITOR] presets as they respectively match front of house, distributed applications and half-space loading operating conditions.

The performances of the 115XT HiQ enclosure depend upon the choice of preset and physical system configuration.



<b>Usable bandwidth (-10dB)</b>	50 Hz - 20 kHz ([HIQ_FR] preset)
<b>Nominal directivity (-6dB)</b>	50° Axi-symmetric
<b>Maximum SPL<sup>1</sup></b>	139.5 dB ([HIQ_MO] preset) 136.5 dB ([HIQ_FI] preset)
<b>RMS handling capacity</b>	LF : 450 W HF : 125 W ([HIQ_FI] preset)
<b>Components</b>	LF: 1 x 15" neodymium transducer HF: 1 x 3" diaphragm compression driver Nominal impedance: 2 x 8 ohms
<b>Physical data</b>	H x W x D: 365 x 580 x 440 mm - 14.4 x 22.8 x 17.3 in Wedge angle: 30° or 60° from vertical Weight (net): 28.5 kg - 62.8 lbs. Connectors: 2 x 4-point Speakon® Material: 18, 24 and 30 mm Baltic birch plywood Finish: Grey-brown RAL 8019® Front: polyester-powder coated steel grill, acoustically transparent Airnet® cloth Rigging: integrated handles and pole mount socket, optional ETR15 bracket and XTLIFTBAR accessory

<sup>1</sup> Peak level measured at 1m under half-space (MO) or free field (FI) conditions using 10 dB crest factor pink noise with specified preset and corresponding EQ settings.