



8XT

COAXIAL ENCLOSURE

The **8XT** cabinet is the most compact model of the L-ACOUSTICS® XT coaxial series and operates on a frequency bandwidth of 65 Hz to 20 kHz. This response can be lowered to 32 Hz with the addition of the SB18 subwoofer.

The 8XT enclosure contains a 1.5" diaphragm compression driver coaxially-loaded by an 8" low frequency transducer mounted in a bass-reflex tuned enclosure. The internal passive crossover network uses proprietary third order filters. The linearization and protection of the transducers is defined by the drive parameters contained in the amplified controllers.

The coaxial transducer arrangement produces a 100° axi-symmetric directivity output along with a smooth tonal response free of secondary lobes over the entire frequency range.

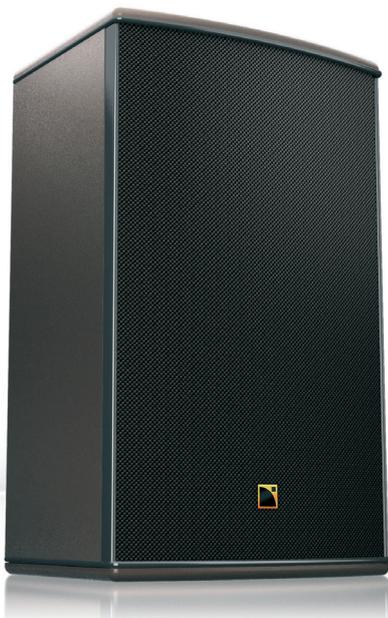
Made of high-grade Baltic birch plywood, the cabinet design makes the 8XT perfectly suited to all multi-purpose sound reinforcement applications. Its wedge-shape allows short or long throw monitoring use with two fixed angle settings of 30° and 40° from vertical. The 8XT can also be pole-mounted using the integrated socket or flown using the complementary ETR8-2 bracket or a 3rd party Omnimount® fixture.

The 8XT is driven by the L-ACOUSTICS® amplified controllers in the following modes:

- "FULL RANGE" mode for standalone use of 8XT at nominal bandwidth ([8XT_FR], [8XT_FI] and [8XT_MO] presets)
- "HIGH-PASS" mode with 100 Hz high-pass filter to possibly associate the complementary SB18 subwoofer ([8XT_FR_100], [8XT_FI_100] and [8XT_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 8XT enclosure depends upon the choice of preset and physical system configuration.



Usable bandwidth (-10dB)	65 Hz - 20 kHz ([8XT_FR] preset)
Nominal directivity (-6dB)	100° Axi-symmetric
Maximum SPL¹	127 dB ([8XT_FI] preset)
RMS handling capacity	280 W ([8XT_FI] preset)
Components	LF: 1 x 8" weather-resistant transducer HF: 1 x 1.5" diaphragm compression driver Nominal impedance: 8 ohms
Physical data	H x W x D: 422 x 250 x 271 mm - 16.6 x 9.8 x 10.7 in. Wedge angle: 30° ou 40° from vertical Weight (net): 11 kg - 24.3 lbs. Connectors: 2 x 4-point Speakon® Material: 15 and 18 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, Omnimount® compatibility, and optional ETR8-2 bracket

¹ Peak level measured at 1m under free field conditions using 10 dB crest factor pink noise with specified preset and corresponding EQ settings.

