



108P

SELF-POWERED COAXIAL ENCLOSURE

The **108P** is the reference live monitor within the L-ACOUSTICS® self powered coaxial P series. The enclosure operates over a frequency bandwidth from 55 Hz to 22 kHz which can be lowered to 40 Hz with the addition of the recommended SB15P self-powered subwoofer.

The 108P enclosure contains a bi-amplified coaxial configuration consisting of a 1.5" diaphragm compression driver loaded onto an 8" low frequency transducer integrated into a compact low profile bass-reflex tuned enclosure. This 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, resulting in exceptional immunity to feedback, especially in monitoring situations.

The system contains a speaker management DSP and a 2-channel power amplification module. The DSP manages the system crossover network, driver time alignment, and dual protection of the loudspeaker components. The unique linearization drive characteristic of the transducers is a result of comprehensive parameter management functions by the DSP.

Made of high-grade Baltic birch plywood, the cabinet design makes the 108P perfectly suited to all multi-purpose sound reinforcement applications. Its wedge-shape allows monitoring use with a fixed angle setting of 30° from vertical. The 108P can also be pole-mounted using the integrated socket or flown using the complementary ETR8-2 bracket.

The 108P active enclosure is bi-amplified and DSP-optimized for 4 different presets:

- The [FRONT] preset for main FOH system applications
- The [FILL] preset for distributed or complementary system applications
- The [MONITOR] preset for stage monitor applications
- The [XOVER] preset for use with the SB15P compact subwoofer.

The performance of the 108P enclosure depends upon the choice of preset and physical configuration of the system.



Usable bandwidth (-10dB)	55 Hz - 22 kHz ([FRONT] preset)
Nominal directivity (-6dB)	100° Axi-symmetric
Maximum SPL¹	127 dB ([FILL] preset)
Components	LF: 1 x 8" transducer mounted in a bass-reflex enclosure HF: 1 x 1.5" diaphragm compression driver
Electrical specifications	Input stage: balanced, max level of +12 dBu (at 0 dB setting) DSP: 24 bit/48 kHz Amplifier power rating: LF: 1 x 500 W, 4 ohms HF: 1 x 260 W, 8 ohms
Physical data	H x W x D: 421 x 250 x 299 mm - 16.6 x 9.8 x 11.8 in Wedge angle: 30° from vertical Weight (net): 13 kg - 28.6 lb. Connectors: 2 x XLR in parallel, 2 x Powercon® 120 or 230 V selectable by switch Material: 15 and 18 mm Baltic birch plywood Finish: dark grey brown Pantone® 426C Pure white RAL® 9010 Front: polyester powder-coated steel grill, acoustically transparent Airnet® cloth Rigging: integrated pole mount socket, optional ETR8-2 bracket

¹ Peak level at 1 m under free field conditions using pink noise with crest factor 4 (preset specified in brackets).

