



# P

## SELF-POWERED COAXIAL SERIES



The L-ACOUSTICS® self-powered coaxial series offers a complete integrated approach for a broad range of sound reinforcement. Drawing upon two decades of experience since the introduction of the original coaxial series concept in 1987, the P series deliver an outstanding and unsurpassed level of performance in its category. This compact and versatile package combines all the benefits of on board amplification, digital signal processing (DSP), and contemporary coaxial transducer technology. The P series covers the needs of both the fixed installation and mobile application markets. The system range and components are as follows:

- I08P live monitoring enclosure
- I12P multi-purpose enclosure
- SB15P compact high-power subwoofer.

The P series point-source technology is particularly valuable in distributed sound reinforcement applications where most listeners are located off the system axis. It is suited to semi reverberant spaces where a single reflected source offers a more coherent radiation field with less reflected virtual sources than a traditional dual-horn woofer combination. Point-source systems are also adapted to proximity applications such as stage monitoring, front-fills and under-balcony fills. Their radiation characteristics yield excellent phase response, total wavefront coherency at all frequencies, and axi-symmetric directivity which produces identical coverage patterns in both the horizontal and vertical planes and a sound field stable over the entire frequency spectrum. The result is a natural, studio monitor sound quality and the aural sensation of transparent sound and an even sonic performance within the enclosure beamwidth.

The P coaxial series features the latest generation of transducers and cutting-edge electro-acoustics engineering design. The end result is an outstanding sonic performance with an aural sensation of natural and transparent sound even at the highest listening levels. Setting up P enclosures is quick and easy due to the unique integrated flying hardware system which ensures precision, safety, and full compatibility with current rigging safety standards. The ability to daisy-chain signal, link power and trim output gains via the onboard volume control also facilitates setup times.

Due to their compact wedge-shaped formats the I08P and I12P are equally suited to various sound reinforcement applications including FOH, floor monitor, side fill, and distributed systems.

The built in combination of a high efficiency amplification module and a DSP speaker management system simplifies the logistics for rental businesses with regard to easier storage, handling, transportation, and inventory management. For the fixed installation market the self-powered solution drives down the installation and system set-up costs without compromising on audio performance. Any P configuration can be acoustically and mechanically modelled with SOUNDVISION 3D simulation software.

As well as delivering cutting edge audio quality, the integrated amplification and DSP module offers comprehensive transducer protection, precise system drive engine, and optimized on board preset library. The presets are instantly accessible and provide the sound designer with total creative freedom for any conceivable application. In addition, for more demanding low-end reinforcement the SB15P compact subwoofer can be integrated as part of a 2 or 3 way system.



## P SYSTEM COMPONENTS

### I08P<sup>1</sup>

Self-powered, active 2 way live monitoring enclosure, 55 Hz - 22 kHz bandwidth.



### I12P<sup>1</sup>

Multi-purpose, self-powered 2 way enclosure, 50 Hz - 20 kHz bandwidth.



1. See product spec sheet for more details.

### SB15P<sup>1</sup>

Self-powered compact high-power subwoofer. LF limit: 40 Hz.



### ETR8-2, ETR12-2 AND XTLIFTBAR

Adjustable rigging brackets for I08P, I12P and SB15P. Rigging accessory for I12P.



### SOUNDVISION

Acoustical and mechanical modeling software dedicated to L-ACOUSTICS® products.



## P SYSTEM CONFIGURATIONS

The integrated DSP flexibility of the P series allows multiple configurations dependent upon the chosen models and application. Typically, the I08P and I12P can be deployed as main [FRONT], auxiliary [FILL], or stage [MONITOR] systems. In addition, should additional LF extension be required, the [Xover] preset can be selected to use the I08P or I12P in combination with the SB15P subwoofer companion.

The integrated DSP presets optimize the acoustic performance of the P system while ensuring transducer protection. The preset library is constituted as follows:

### P SERIES AVAILABLE PRESETS

I08P or I12P	Characteristics	Application
[FRONT]	LF/HF shelving	FOH w/o subwoofer
[FILL]	Flat in free field	Distributed
[MONITOR]	Flat in half-space	Floor Monitor
[XOVER]	[FRONT] w/100 Hz HPF	Use with SB15P

