

ID-12PRO INFRASUB™

SELF-POWERED & SELF INFRA™ PROCESSED

APPLICATIONS

Laboratory Reference System Film and Video Post Production
Recording Studio and Mastering Screening Room
Installed Audio-Visual Systems Reference Home Listening Systems

DESCRIPTION

The ID-12 PRO is a self-powered professional subwoofer system employing bass management, hi pass filtered outputs, a sealed front firing 12" cone loudspeaker, and the INFRA™ dual integrator, driving a 500 Watt power amplifier providing a flat acoustical response down to 8 hertz. Six inputs allow the combining of all the bass information on 5.1 surround programs and 2 level controls and a 10dB attenuator provide relative adjustment of the bass information from the 5 full range channels and the dedicated low frequency effect channel. 5 hi pass line level filtered outputs are provided for the upper range loudspeakers and a line level Infra™ output is provided for additional Infra™ bass speakers. Internally set Dynamic Filter™ protection maintains undistorted audio reproduction under accidental overload conditions. A remote indicator module is provided and may be placed in a convenient visible location to indicate the Dynamic Filter™ protection threshold has been reached.



SPECIFICATIONS

%DEL	Internal Amplification: PD-500	LED Indicators: Remote Threshold Indicator: Red - Threshold exceeded	Polarity: A positive asymmetrical signal applied to pin 2 will result in a positive asymmetrical acoustical pressure
Enclosure: 3/4" MDF	Input Impedance: 10K Ohms	Mains Voltage Requirements: 120 v or 230 v internally switchable	Dimensions: 15.5" h x 18" w x 16" d 39 cm x 46 cm x 41 cm
Finish: Black Ro Tex™ True water born environmental finish	Input CAL Sensitivity: +4 dBu	Mains Current Requirements: Fuse: 6.3 Amp GDC time-lag for 120 Volts 3.15 Amp GDC time-lag for 230 Volts	Weight: 56 lbs 25 kg
Grille: Black nylon cloth over wood frame	Maximum Continuous Amplifier Power: 500 W into 4 Ohms	Frequency Response: ±3 dB 8 Hz to 95 Hz Infra™ system -6 dB frequency 95 Hz	Custom Finishes: Optional custom finishes include white unfinished ready to paint or high gloss automotive paint
Low Frequency Components: EL-12P Transducer, 12" Cone	High Pass Filter: 5 – High pass outputs Slope: 12 dB/octave -6 dB at 95 Hz	Low Frequency Limit: 8 Hz	
Input Connector: 6 Balanced XLR female line level	Overload Protection: Internal Dynamic Filter™ protection		

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ID-12PRO INFRASUB™

ABOUT INFRASUB™ TECHNOLOGY

Almost all designs and specifications for subwoofer systems are fixated on the frequency response domain. However, the impression of power and quality of a loudspeaker is equally related to the time domain. The long wavelengths associated with low frequencies, make this particularly true with subwoofers. Likewise, the maximum SPL is not a very reliable way to judge the impact of a subwoofer. A poor time domain performer will not have the same impact or natural musically connected sound as a Time-Aligned™ Infra™ system. The reason that an Infra™ subwoofer sounds dramatically better is because of its superior time domain performance, as well as its extended low

frequency response. The Infra™ subwoofer maintains the bass energy in a tight packet, aligned with the upper range signal, providing a greater body impact and a seamless musical connection with the main loudspeakers. Conventional subwoofer designs perform so poorly in the time domain because designers have used methods that sacrifice the phase response for more control over the frequency response (e.g.: steep low pass filter slopes, vented speaker enclosures, and narrow bandwidth systems). With the Infra™ technique, we do not degrade the phase response while extending the frequency response. While the Infra™ dual Integrator does function as the system crossover, it does so without using a conventional low pass filter. The Infra™ integrator applies an inverse electrical response to the acoustical response of the Infra™ loudspeaker in its sealed enclosure. This provides both the upper frequency roll off and the extended frequency response while maintaining the hi sound quality often associated with a sealed box design. When comparing a genuine Bag End® Infra™ loudspeaker system to any other, our technology and design is easy to hear and appreciate. The dramatic clarity, realism, and overall pleasant sound of an Infra™ system is well noted throughout the world.

ABOUT BAG END® LOUDSPEAKERS

Bag End loudspeakers began in 1976 in a small shop by people dedicated to the pursuit of making high quality loudspeaker systems. Over the decades Bag End® has employed the very best construction techniques and innovative acoustical designs into their products. The ground breaking introductions of the Time-Align® and ELF™ Technologies into sound reinforcement and studio monitor loudspeakers in the 1980's was followed by Minima One™ self-powered systems and the highly unique E-Trap™, electronic bass trap. Over the decades, Bag End® has been a leader in providing uniquely good sounding products and extraordinary service to our customers world wide.



DIMENSIONS

