

S12-P

Powered 12" Compact Sub-Woof er

The S12P is a self-powered Sub-woofer enclosure designed for use in a variety of theater, corporate and audio-visual applications, as well as in numerous fixed installations ranging from nightclubs and bars to disco and live-music pubs. It consists of a custom 3" voice coil 12" low frequency driver in a compact vented enclosure, optimally tuned for extended low frequency response, together with a powerful integrated amplifier module. The S12P features a new Class AB amplifier capable of delivering 1000 watts rms into 8. to give optimal performance from the drive unit. This gives the capability to reproduce transients accurately with ample headroom, while the limiters protect the woofer from being over driven. A 24 dB/oct slope crossover ensures perfect satellites match. An 80mm fan ensures perfect forced cooling in every condition. The enclosure is constructed from 18 birch plywood, heavily braced internally. Recessed iron handles are fitted for easy lifting and carrying. On one of the sides of the box are provided four wells points to install optional wells for easy transport possibility. An integral pole mount is fitted to the top of the enclosure to allow satellite speaker to be mounted at the correct height above the subwoofer. It is finished in black semi-matt textured paint An exclusive steel mesh grille protects the drive unit from damage.

Applications

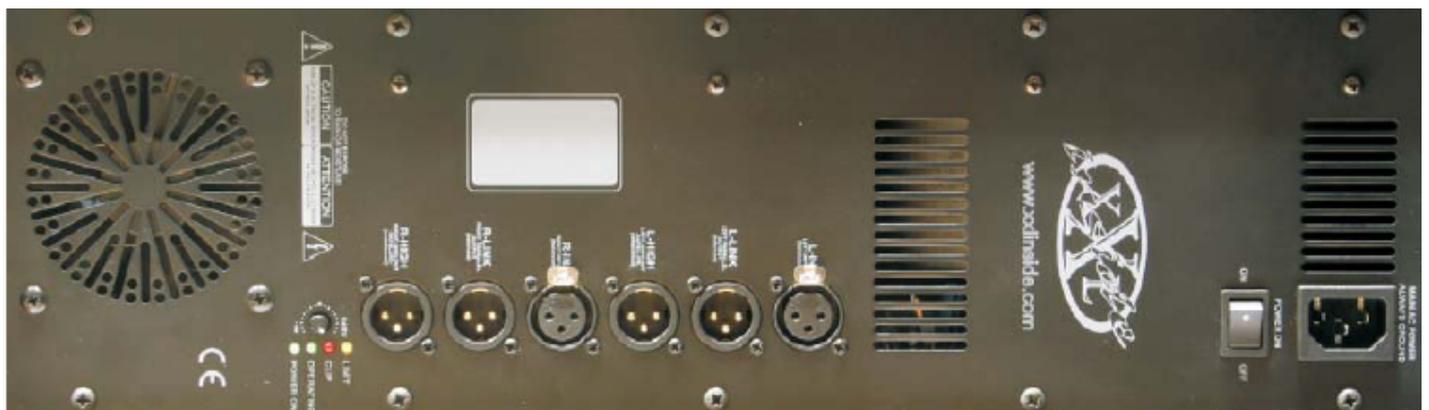
Medium Public Address
Open Sites
Audio Visual
Fixed Installation

Features

Birch Plywood Box
12" Woofer
integrated Class AB amplifier
Stereo active 24dB/oct. Cross Over
balanced Stereo High Pass Outputs

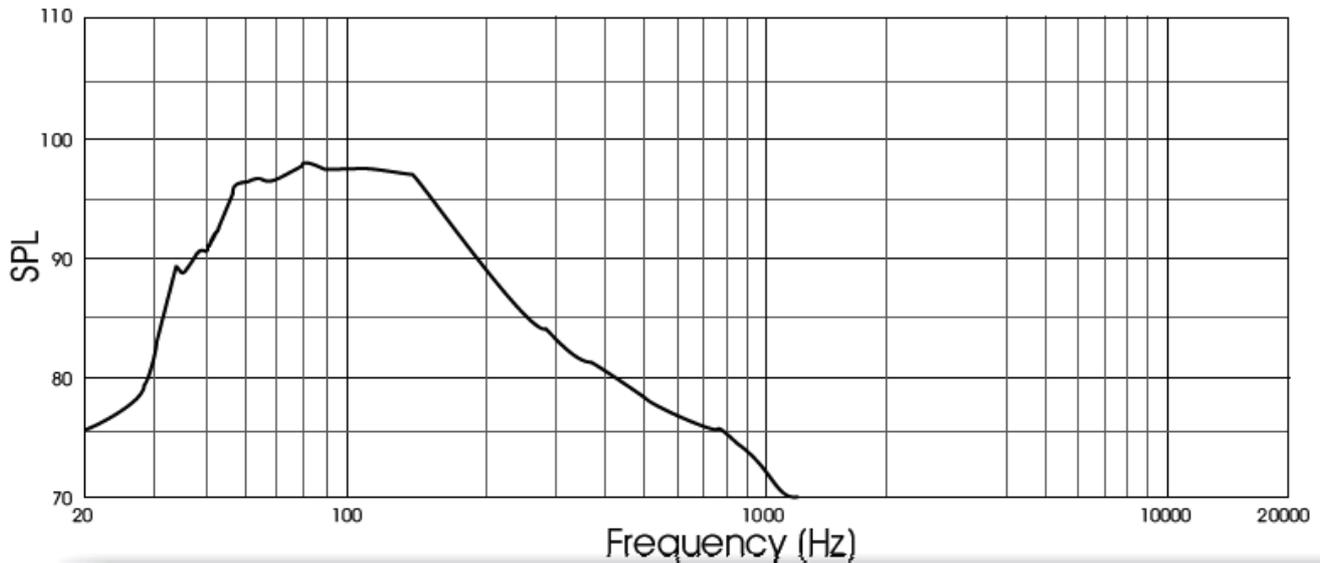
Specifications

1000 Watts RMS
126dB SPL @ 1m
40Hz - 150Hz +/- 4 dB
balanced XLR Stereo Inputs
balanced XLR Stereo link outputs
balanced XLR Stereo high pass outputs
38 x 50 x 52 cm 24Kg



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Specifications

Acoustic

Power Handling	800 watt RMS (1)
Max Power	1200 watt RMS (2)
Impedance	8 ohm
Operating Frequency Range	35 Hz - 150 Hz (3)
Frequency Range	40Hz-150 Hz +/- 4 dB (4)
SPL 1W/1mt	96 dB (5)
Maximum SPL	126 dB (6)

Transducer

12" Woofer with 3" Voice Coil

Cross Over

active low pass 150 Hz 24 dB/oct

Connections

wiring

XLR balanced, 2x input, 2x link, 2x high pass out
stereo + mono applicable

Amplifier

Protections

2 Channel Class A/B bridged mode 1000W

Limiter, over current, temperature, short circuit

Power

210 - 240 V AC @ 50 Hz

max cont. current

4A > 10 sec.

Max. burst current

8A < 1 sec.

1. Power handling is measured following AES standard conditions:

Transducers driven continuously for two hours with a band-limited noise signal with 6 dB crest factor.

2. Max power is the maximum applicable power for a musical signal. The reference signal is proposed by EIAJ standard.

3. Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.

4. Free field measured with 1/3 octave frequency resolution at 2 meters.

5. Measured at 4 meters and scaled to 1 meter.

6. Measured with audio source at 1 meter.

7. In which the transducers produce the same sound pressure level (measured@2 meters).

8. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.

New materials and design are introduced into existing products without previous notice.
Present systems may differ in some respects from those presented in this brochure.