

# 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

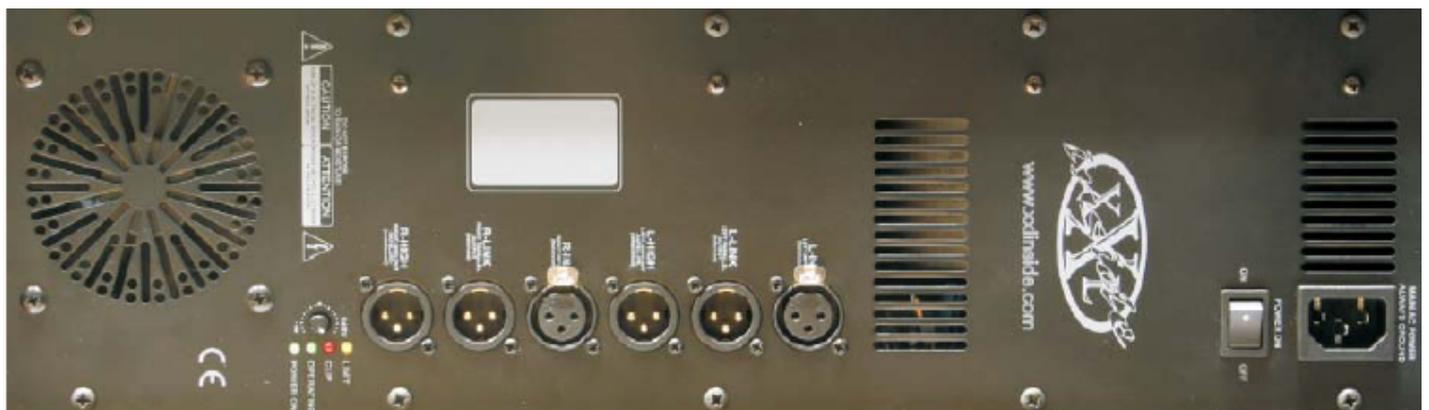
Medium Public Address  
Open Sites  
Audio Visual  
Fixed Installation

### Features

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

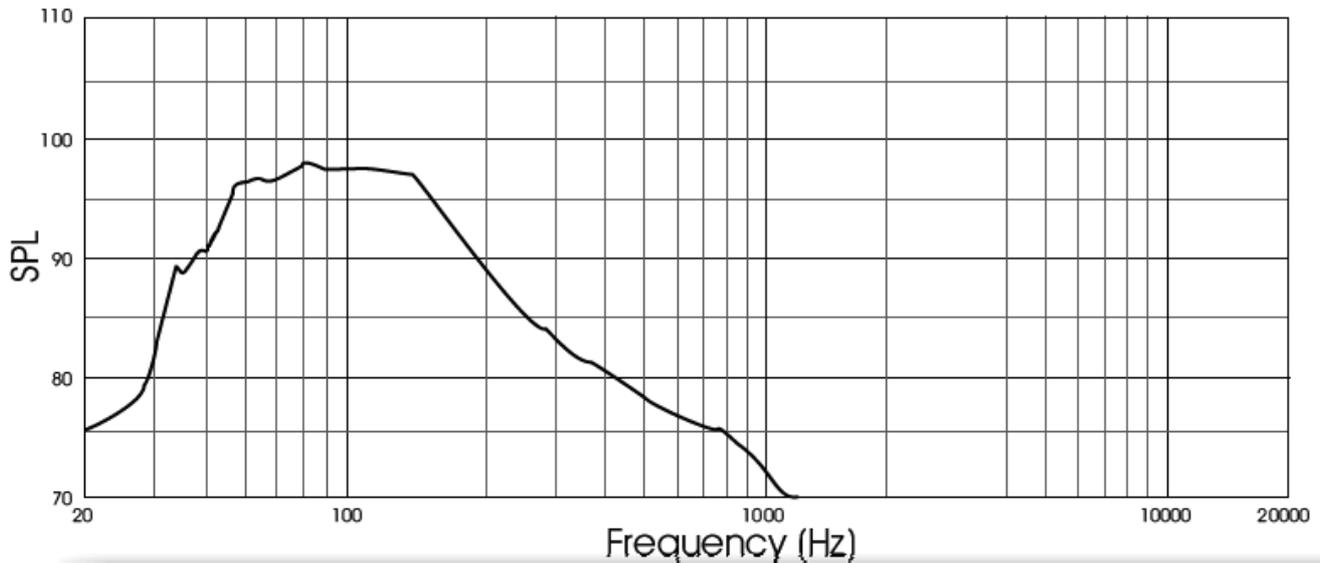
### Specifications

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



# S12-P

## Powered 12" Compact Sub-Woofers



### 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.