



ENGINEERED BY



Architech Series

# ATS-12

## 2 x 12" Sub-Woofer Fixed installation System

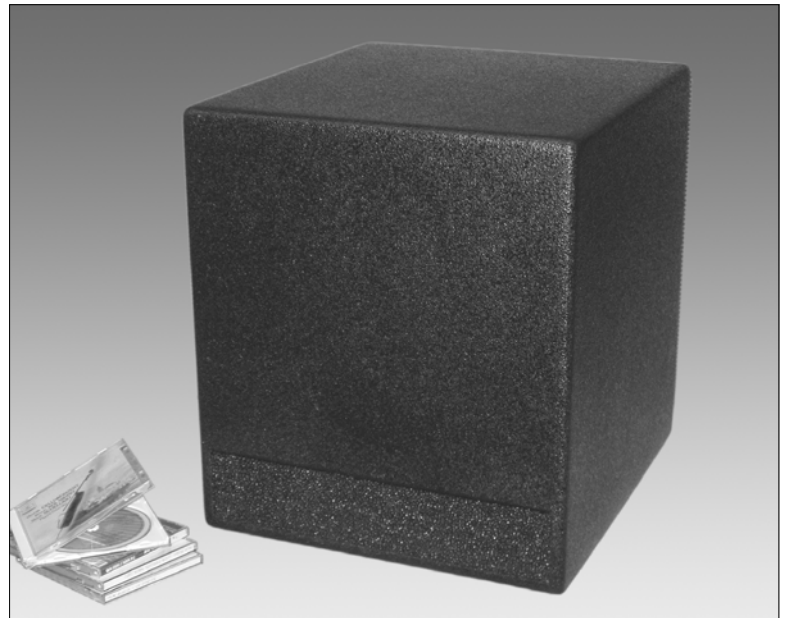
### Description:

The ATS-12 Unit is a compact Sub-Woofer, specifically developed to reproduce the lower end of the frequencies spectrum.

It is mounted as a single tuned Band Pass system with two 12" transducers in an "Isobaric Push-Pull" configuration. A powerful bass response is thus attained in this small footprint cabinet.

For its correct performance, it is necessary to use it with a 24 or 48 dB/Oct. Sub-sonic filter, as recommended in the Specifications.

Its twin 12 inches transducers are separately cabled to the circuit board, so as to allow their independent connection to two different Power Amp channels, (8 Ohm operation), or together in parallel to a single channel, through the bridges present on the connectors plate, (4 Ohm operation). Due to its Isobaric configuration, in the first case, the signals applied to the unit have to be strictly the same, from a mono source.



### Characteristics:

- Compact size unit designed for use in High Level indoor installations, complementing the Architech Series AT-6, AT-8 full-range cabinets.
- Robust, 15mm thick Baltic cross-ply construction, avoiding effectively parasitic resonance common to other materials.
- Steel protection grille with acoustic foam.
- Rubber stoppers on the base for a secure, vibration-free floor standing.

### Applications:

- Together with the Architech Series' full-range units, these subs are perfect for Fixed Installation in Bars, Lounges, Shops, Theatres, Conference Rooms, etc.
- Near-field monitoring.
- Small events.



Back detail

### Specifications and Characteristics

Frequency Response (Hz) <sup>1</sup>	± 3dB 48Hz - 150Hz
Frequency Range (Hz) <sup>1</sup>	-10dB 36Hz - 195Hz
Nominal Impedance	2 x 8 Ohm, 4 Ohm (Parallel)
Power Rating (RMS) <sup>2</sup>	300W
Program <sup>2</sup>	600W
Horizontal Coverage (-6dB)	± 90°
Vertical Coverage (-6dB)	+ 180°, - 0°
Sensitivity (dB/2,83V@1m)	95dB SPL
SPL Max. Peak ( dB SPL @ 1m) <sup>3</sup>	119dB SPL
Connectors	Doubled Gold finish for 6 mm <sup>2</sup> cable
Recommended Signal Processor	RAM Audio LMS221 Processor
Recommended Signal Parameters	High Pass Filter Butt. 48dB/Oct. @ 45Hz Low Pass Filter L-R 48 dB/Oct. @ 90Hz
Recommended Power Amp	450W / 750W @ 4 Ohm
Full-range recommended unit	SPACE AT-6; AT-8
Enclosure	Ultra-compact, 15 mm thick Baltic cross-ply construction, tongue and groove assembly throughout. Bi-component epoxy finish.
Dimensions (H x W x D)	440 x 390 x 379 (mm) 17.3" x 15.3" x 14.9"
Net Weight	18 Kg (40 lb)

<sup>1</sup> Specifications in half space

<sup>2</sup> With filtered Pink Noise 6dB crest-factor, (with Processing)  
Calculated from the Sensitivity and Power Data

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