

The Square
Series



The Square Two

is a Floor Standing two-way, loudspeaker that delivers an excellent price performance ratio.

The Square Two sees an A.B.R. deployed as in the Square One. The signal to noise ratio of the cabinet, is subsequently far lower than competing designs. The tweeter enjoys the benefit of its own chamber, as in the A.C.T.



As in common with its siblings the Square Two takes all of its essential elements, the Tactic, the tweeter, the internal wire, crossover elements and terminals all emanate from the same stock as the Odyssey Range.

WHAT Hi Fi January 2007

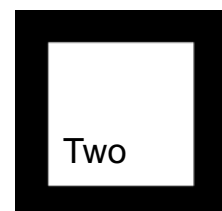
“Did we mention the Square Twos are fast? Sorry, that's an understatement. To paraphrase Lightning McQueen, the lead in Pixar's Cars, they're faster than fast - they are speed. We've only heard a handful of speakers that come close to the Square Two's almost supernatural ability to respond to the leading edge of notes.”

“They deliver one of the finest sounds ever available at this price”

WHAT HI-FI?
SOUND AND VISION



2007
BEST STEREO SPEAKER
£2,000 PLUS
WHAT HI FI AWARDS





The Square One

is an imaginative leap forward. This petite design goes back to first principles and overcomes many resonance concerns before they come into existence. Exploiting the strengths of the form to the full, a reflex structure is deployed on the impact face of the back of the cabinet. Subsequently, out of phase or negative unwanted energy from the back of the drive unit is instantly consumed. This innovative solution converts a broad band of negative acoustic energy (almost 40%) that would normally excite the whole enclosure into kinetic energy or heat. Other negative energies within the enclosure must also navigate through substantial metal damping pads deployed on exposed surfaces. Bonded with a lossy adhesive they critically control the high density fibre board.



Pure and simple but as a group test winner, clearly very effective.

One



Pure Geometry.
Detail shows side view of Tactic Drive unit. It can be seen that the intelligently designed basket, provides both high rigidity, as well as the industry standard minimum profile. This optimisation of the basket geometry enables complete freedom for the out of phase unwanted energy allowing it to escape with the least amount of impact on the desired signal.

The Centre Square

is a low profile, high power solution to providing a channel of sound. Although it is called Centre Square, it should be appreciated that it can be seen as a very flexible design, that goes beyond the confines of being just a centre channel. It can be deployed against the wall in either a horizontal or vertical orientation. As a discrete component, it provides building block flexibility, with high output acoustically matched performance.

As the rear wall forms an intrinsic part of this design, the two A.B.R.'s in this case, are located in the side of the enclosure. Both the mid range, and bass driver, benefit from the A.B.R. Like all Wilson Benesch loudspeakers that use two or more Tactic drive units, it is a two and a half way design, so phase is as pure as possible.





Square Series Specifications

	One	Two	Centre
Description	2 Way, true linear phase, assisted bass radiator, wall placement orientated.	2 Way, true linear phase, ported enclosure with assisted bass radiator.	2.5 Way, true linear phase, wall placement orientated monitor
Drive units	1 x 170mm (7in) Wilson Benesch Tactic Drive Unit. 1 x 25mm (1in) Soft Dome Hand painted Silk, Ultra Linear Wilson Benesch Specific Tweeter.	1 x 170mm (7in) Wilson Benesch Tactic Drive Unit. 1 x 25mm (1in) Soft Dome Hand painted Silk, Ultra Linear Wilson Benesch Specific Tweeter.	1 x 170mm (7in) Wilson Benesch Bass Unit. 1 x 170mm (7in) Wilson Benesch Mid Range Unit. 1 x 25mm (1in) Soft Dome Hand painted Silk, Ultra Linear Wilson Benesch Specific Tweeter.
Low frequency loading	Assisted Bass Radiator.	Assisted radiator and tuned port at the base of the cabinet.	Double chamber, assorted bass radiator enhanced.
Frequency range	-6dB at 60Hz and 30kHz -3dB at 70Hz and 25kHz	-6dB at 50Hz and 30kHz -3dB at 60Hz and 25kHz	-6dB at 65Hz and 30kHz -3dB at 70Hz and 25kHz
Frequency response	70Hz to 80Hz +/- 2dB on axis.	60Hz to 24Hz +/- 2dB on axis.	70Hz to 24Hz +/- 2dB on axis.
Sensitivity	87dB spl at 1 metre on axis. 2.83V Input.	88dB spl at 1 metre on axis. 2.83V Input.	88dB spl at 1 metre on axis. 2.83V Input.
Impedance	6 Ohms nominal, 4 Ohms minimum.	6 Ohms nominal, 4 Ohms minimum.	6 Ohms nominal, 4 Ohms minimum.
Crossover	Second order tweeter crossover. Selected polypropylene capacitors and air cored inductors are used throughout.	Second order tweeter crossover. Selected polypropylene capacitors and air cored inductors are used throughout.	First order bass roll-off Second order tweeter crossover. Selected polypropylene capacitors and air cored inductors are used throughout.
Crossover frequencies	5kHz	5kHz	5kHz / 500Hz
Internal wiring	Multi-stranded, silver plated copper, PTFE jacketed cable harnesses. Soldered connections throughout. Short path PCB design.	Multi-stranded, silver plated copper, PTFE jacketed cable harnesses. Soldered connections throughout. Short path PCB design.	Multi-stranded, silver plated copper, PTFE jacketed cable harnesses. Soldered connections throughout. Short path PCB design.
Input connections	Links supplied for single or bi-wire application. Bi-wireable, in-house machined rhodium plated copper alloy terminals.	Links supplied for single or bi-wire application. Bi-wireable, in-house machined rhodium plated copper alloy terminals.	Links supplied for single or bi-wire application. Bi-wireable, in-house machined rhodium plated copper alloy terminals.
Power handling	200W peak unclipped program.	200W peak unclipped program.	200W peak unclipped program.
Height	325mm	975mm	210mm
Width	200mm	200mm	790mm
Depth	285mm	255mm	200mm
Internal volume	10 Litres	34 Litres	14 Litres
Weight	10kg or 22Kg with Stand	25kg	22kg or 34Kg with Stand
Available Finishes	High Build Piano Black Gloss, Burr Walnut Gloss, Maple Satin, Stained Cherry Gloss		
Stands	Available in black or silver	N/A	Available in black or silver