



DECTOR

JOE JEROME

geometry series

The Geometry Series pays homage to the importance of geometry in all good design. With the Geometry Series Wilson Benesch applies these principles, with passion, to acoustic engineering.

Whether it be the curves in a musical instrument, a large auditorium or an aircraft, geometry is the fundamental language of good design. The Greeks, who defined the rules of geometry, applied their geometric forms to Architecture. Curved amphitheatres allowed public discussion long before any loudspeaker.

The Geometry Series aspires to be the evolutionary development of the time tested Odyssey Series that is now in its tenth year. This collection provides the summation of many years of considered thought and re-evaluation, encouraged in part, by new technologies and new manufacturing capabilities.



Vector

The Vector is a 2.5 way, highly optimised, advanced materials technology, floorstanding loudspeaker. Thanks to the cleverly engineered A.C.T. monocoque / poly alloy shell structure, complex bracing is no longer accepted as a design compromise. The shell design delivers huge amounts of air volume, despite its small external surface area which is another key factor in the success of the design. Assembled by hand, each high performance material is bonded to another high performance element, resulting in extremely high levels of mutual self damping. The resulting complex hybrid construction is virtually inaudible, exhibiting one of the lowest signal to noise ratios of any loudspeaker in the world, yet capable of delivering all the dynamic energy from the ultra powerful drive units.



The degree of control that can only be found when every single component is manufactured in house, legislates that matching of both cabinet and drive unit is axiomatic. Manufactured on high precision C.N.C tooling and advanced carbon fiber moulding techniques, each hand built system is lovingly assembled by highly trained experienced technicians to the highest standards. The Tactic II mid range drive unit is capable of remarkable transients that are never hindered by crossover parts. The control afforded by this design is limited only by the amplifier. Impedance characteristics are benign, so low power amplifiers can be driven with aplomb. A quintessential design feature of all Wilson Benesch designs has been the 2.5 way crossover. This ensures seamless integration from the lowest bass to the highest mid range, with the absolute minimum of phase distortion. Designed to function in complete harmony the Semisphere Tweeter then takes over. This latest innovation from Wilson Benesch is the result of many years of considered development, that has been driven by a comprehensive critical evaluation of the finest technologies in the world, including the remarkable Sphere from Murata. The design incorporates advanced materials technologies that deliver extended high frequencies but without ever sounding un-controlled or sibilant.



Free of the noise commonly found in traditional loudspeaker systems, the Vector delivers a performance that is well beyond its dimensions, completely free of distortions, that always exist in conventional technologies. Immersed in music without distortion, the listener will be drawn into the event like never before. Only the artist who composed it, and the musicians that interpreted it will be present at the event.





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Technical Specifications

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|------------------------------|---|
| Description | 2.5 way, true linear phase, free space, ported enclosure, floorstanding monitor |
| Drive units | 1 x 170mm (7") Wilson Benesch Tactic II Mid/Bass unit 1 x 170mm (7") Wilson Benesch Tactic II Bass unit 1 x 25mm (1") Wilson Benesch Semisphere Tweeter |
| Low frequency | Bessel alignment of fourth order reflex. Double chamber differential tuning |
| Frequency Range | -6dB at 30Hz and 30kHz -3dB at 35Hz and 25kHz |
| Frequency Response | 35Hz to 24kHz +- 2dB on axis |
| Sensitivity | 89dB spl at 1 metre on axis. 2.83V input |
| Impedance | 6 Ohms nominal, 4 ohms minimum |
| Crossover Frequencies | 5kHz |
| Crossover | First order bass roll-off No crossover, directly coupled to the amplifier Selected polypropylene capacitors and air cored inductors throughout |
| Internal wiring | Hand made loom comprised of Multi stranded military specification silver plated copper with PTFE jacket soldered connections throughout. |
| Input connections | Bi-wireable, in house machined rhodium plated copper alloy terminal connections |
| Power handling | 200W peak unclipped program |
| Maximum spl | 118dB at 1 metre |
| Dimensions | Height 910mm Width 230mm Depth 370mm |
| Internal volume | 44 litres |
| Net weight | 31kg |
| Finishes Available | Standard: Black, Regal Silver, Titanium Wood Satin: Natural Cherry, Maple, Oak Wood Gloss: Birds Eye Maple, Burr Walnut, Red Tulip, Red Birds Eye, Walnut, Ebonised Walnut, White Gloss |



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