

Active 1

Active loudspeaker system

Product Summary

- Behind the John Bowers Active 1 is a simple but demanding concept: to achieve large loudspeakers performance from comparatively small enclosures. And these compact cabinets should be basically convenient in style, to integrate happily into home environments where space is at a premium.
- During the two-year research and development programme, our augmented design concept. This unique experienced group of engineers had at their disposal the most sophisticated tools and instrumentation, including in-house computer laser interferometry.

Technical highlights

- The Active 1 has three drive units: two 150mm bass drivers, high frequency transducer employing diminishing sound-source polyamide dome.
- Both bass/midrange drivers incorporate an advanced motor system with edge-wound copper ribbon on Kapton formers - giving superior transient and power-handling capabilities.
- The totally rigid enclosure is built in a laminate of particle board and bitumous pads and is critically cross-braced. The electronics are housed in an isolated compartment at the back.



Drive Units	Three, vertically in-line with electronic inter-unit time-delay correction.	Frequency Response	Free-field at 2m at centre of listening window. Bass control '+': $\pm 2\text{dB}$ 45Hz to 18Hz
Bass/bass midrange transducers	Diaphragm: 150mm dia bextrene cone heavily damped with pva compounds. Voice coil: edgewound ribbon on kapton former giving safe operating temperatures up to 250°C.	Power consumption	Off mode: 4W On mode: zero drive 120W full drive 400W
High frequency transducer	Diaphragm: 26mm dia. special polyimide, laser optimised to give diminishing radiating area with increasing frequency.	Dimensions	Height: 626mm. 860mm with stand Depth: 355mm. 400mm with grille Width: 256mm
		Net Weight	30kg
		Finish	Black Ash, Natural Oak, Walnut Limited edition: Special lacquered finish



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