

Matrix 2 Series2

Stand-mount/Bookshelf loudspeaker system

Product Summary

- Advanced technology of the order found in the Matrix series could only have originated in what is generally regarded as one of the most advanced loudspeaker research laboratories in Europe. Computer Aided Design has been utilised to develop the range enabling the engineers to simulate the building of woofers and tweeters, predicting performance. Matrix cabinet bracing provides an inspired answer to the adverse effect which the monitor cabinet can have on sound quality. The loudspeakers are finished in a choice of real wood veneers.
- The Matrix 2 Series 2 comprises one 8in bass/midrange with polypropylene cones and one 1in metal domed high frequency tweeter.
- Laser Doppler velocity was used to produce 3-D plots showing the speed and direction of each point on the diaphragm as it vibrates. The perfect speaker produces a cylindrical plot with a flat top. As well as having B&W engineers to build drivers which are as close to the ideal as possible, this technique also helps in revealing design and manufacturing flaws.

Technical highlights

- B&W's Tweeter technology ensures that the sound remains focused and time sensitive and that the stereo image is presented with unparalleled three dimensional accuracy.
- Driver protection: The method used for driver protection against excessive overload is simplicity itself. Once dangerous input levels are reached the patent APOC circuit disconnects the tweeter alerting the listener to reduce the volume.
- Simplified crossovers: In sophisticated loudspeaker technology it is true to say that the fewer crossover components there are the better. Crossovers are no exception. In the Series 2, by reducing the number, signal is given a more direct path to the drive units. This has only become possible because the drivers themselves are more linear and also cleaner in their reproduction and therefore needs less correction than was necessary in the original crossover design.



Drive Units	1 x 25mm metal domed high frequency, polyamide terminated 1 x 200mm bass/midrange driver with homopolymer polypropylene cone, 31mm voice coil on Kapton® former, phenolic-bonded and heat cured	Nominal Impedance	6.5 ohms
Frequency Response	70Hz – 25kHz ± 2dB free field	Power Handling	40W – 150W at 8 ohms
Sensitivity	88dB spl(2.83V 1m)	Dimensions	Height: 600mm Width: 260mm Depth: 320mm
		Finish	Real wood veneers of walnut, black ash or rosewood



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