

B&W MATRIX 803 & MATRIX 804

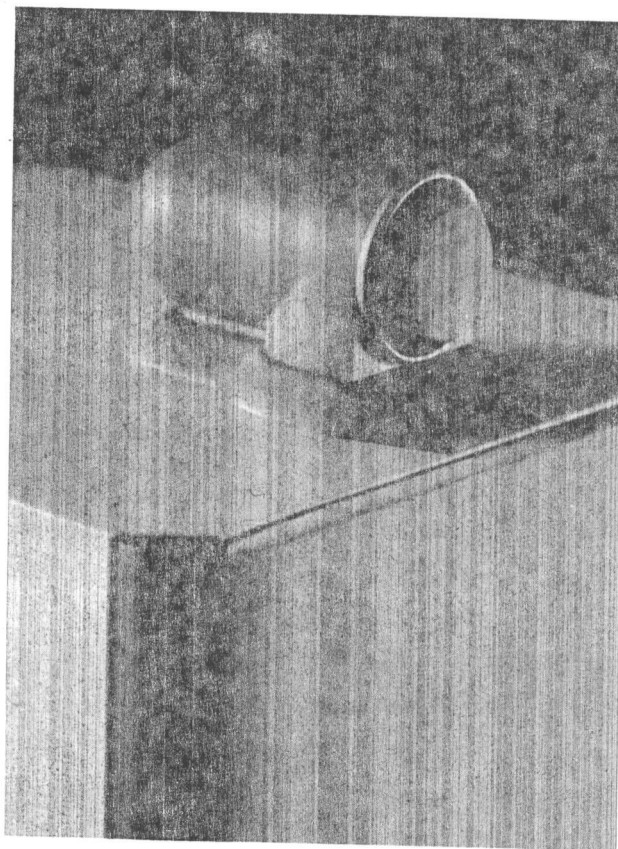
B&W Kevlar cone drivers benefit from a unique diaphragm breakup pattern, resulting from the unusual directional weave, in which most of the resonances are self-cancelling. Air is moved around close to the surface but no intrusive output is produced by the resonance. In consequence the Kevlar cone bass/midrange driver offers up a significantly more neutral sound with a higher information retrieval facility.

Because there is no separate midrange enclosure as with 801 and 802, the bass section has a larger volume to compensate. The Cobex cone bass unit is optimised for bass frequencies as its performance is confined to below the lower midrange. A rubber surround enhances both driver performance by facilitating higher electrical/mechanical damping ratios, resulting in a more accurate and faster sound to reproduce bass transients.

At high frequencies, the modified MATRIX 802 tweeter incorporates ferrofluid to dampen any unwanted resonances leading to a noticeably smoother response, and in the process almost doubling the tweeter's power handling. The tweeter's position on top of the enclosure provides a spaciousness of sound image not found in other speakers.

In common with the rest of the 800 Series, these loudspeakers are supplied with an electronic high-pass alignment filter to produce a sixth-order Butterworth system response. This enhanced filter uses new high quality electronic components.

The minimalist design approach used throughout the system, employing drivers that need the minimum number of crossover components, together with the facility of bi-wiring or bi-amplification effectively place these two models amongst the finest speakers money can buy.



The larger MATRIX 803 and its junior relative MATRIX 804 have been added to the industry applauded MATRIX 801 and 802 Models in an attempt to convince the design conscious sceptic that great sound and vision in loudspeaker design are not incompatible.

TECHNICAL SPECIFICATIONS

	MATRIX 803.	MATRIX 804
Frequency response	+2dB - 3dB at - 6dB at	30Hz-20kHz 29Hz and 20kHz 25Hz and 22kHz
Sensitivity at 1m for 2.83V	90dB	89dB
Impedance	8 Ohms	8 Ohms
Drive Units	1 x 190mm Cobex bass 1 x 190mm Kevlar mid 1 x 26mm Metal dome HF	1 x 170mm Cobex bass 1 x 170mm Kevlar mid 1 x 26mm Metal dome HF
Power Handling (suitable for amplifiers of)	90 - 200 Watts	70 - 200 Watts
Dimensions	Height	920mm
	Width	258mm
	Depth	258mm