

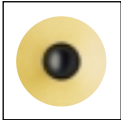
# MATRIX™ 801 Series 2

## Floor-standing loudspeaker system

### Product Summary

- Buy applying computer-aided design (CAD) techniques B&W has substantially improved the performance of the original Model 801. The Matrix 801 Series 2 can deliver a full octave more bass and treble than its predecessor and at the same time offer increase sensitivity, better dispersion and transient response.
- The bass system decided by CAD programs is a sixth-order Butterworth alignment vented-box system giving less cone excursion at subsonic frequencies. The cone is made from a specially formulated plastic compound allowing critical mass requirement to be accurately controlled.

### Technical highlights



Kevlar®: B&W developed and patented the method of using Kevlar® for loudspeaker cones to reduce unwanted standing waves. DuPont originally created Kevlar® for use in bulletproof vests.

- Tweeter on top: B&W's Tweeter on top technology ensures that the sound remains focused and time-sensitive and that the stereo-image is presented with unparalleled three dimensional accuracy.



Matrix: The basic construction of nearly all loudspeakers is exactly the same - panels of wood-based materials, bonded to form a rectangular box. B&W studied and evaluated how each aspect of cabinet behaviour and the efficiency of various materials and construction methods affects sound.



<b>Description</b>	3-way vented-box system	<b>Nominal Impedance</b>	8 ohms (minimum 4 ohms)
<b>Drive Units</b>	1 x 25mm metal dome - high frequency 1 x 126mm Kevlar® - midrange 1 x 300mm high power polymer cone bass	<b>Power Handling</b>	50W – 600W into 8 ohms on unclipped programme
<b>Frequency Response</b>	20Hz – 20kHz ± 2dB free-field with external bass alignment filter	<b>Dimensions</b>	Height: 1008mm Width: 432mm Depth: 560mm
<b>Sensitivity</b>	87dB spl(2.83V 1m)	<b>Finish</b>	Black Ash, Walnut, Rosewood. Grille: Black Cloth



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