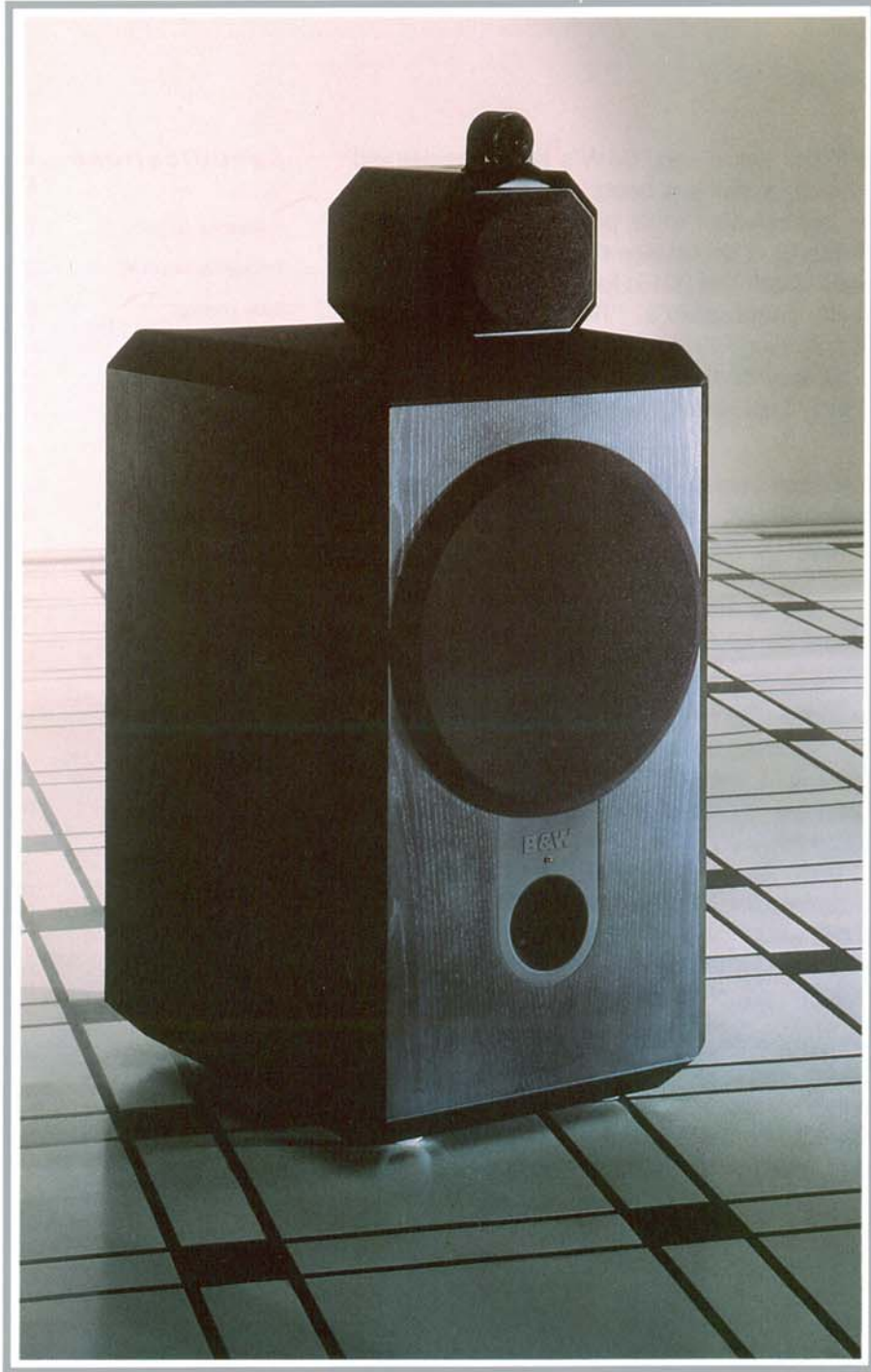


M A T R I X  
**801**  
*Anniversary*  
LIMITED EDITION



LISTEN AND YOU'LL SEE

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## THE INSIDE STORY

Since its introduction four years ago, B&W's highly acclaimed Matrix 801 Series 2 loudspeaker has been, unquestionably, the world's most popular loudspeaker in its price range. The 801's extensive use worldwide as a professional monitor for classical music recording is well known. The 801 is listed in Class A—"Best Attainable Sound"—in *Stereophile's* "Recommended Components" (Vol. 14 No. 4, April 1991). The 801 is also the only loudspeaker ever to be awarded the prestigious *Audio Video* Hi Fi Grand Prix award for "Speaker of the Year" for *three* years in a row.

The Matrix 801 Anniversary Limited Edition incorporates several technical improvements which, collectively, refine and elevate sonic performance of the 801. Four years of ongoing research at B&W's renowned Steyning R & D laboratories, which produced the incomparable \$18,00 Matrix 800, revealed technical improvements which could be applied to the 801.

A new 25mm metal dome tweeter utilizing magnetic fluid was developed, further perfecting the response, especially in the critical crossover region. The resulting power handling was so high that B&W's A.P.O.C. automatic overload protection circuitry was removed. This enabled the midrange and tweeter crossover circuits to be improved considerably. The original three pin XLR connector attaching the midrange and tweeter "head" to the main enclosure has been replaced with a four-pin connector, delivering separate ground signals to the midrange and tweeter. Further crossover improvements, including the relocation of a large inductor for minimum magnetic coupling were also implemented.

The resulting improvement in performance is unmistakable. High frequency response is improved, as is midrange clarity, particularly the upper midrange in the crossover region. The overall presentation is at once cleaner and more detailed, yet slightly "warmer" sounding. Soundstage width and depth are extended as well. In short, the Matrix 801 Anniversary is the best 801 ever, and formidably challenges any loudspeaker, regardless of size or price.

## Specifications

### MATRIX 801 LIMITED EDITION

Frequency range*	17.5Hz to 25kHz(-6dB points)
Frequency response*	20Hz to 20kHz ± 2dB (free-field)
Bass loading*	Sixth-order Butterworth alignment, 19Hz cut-off
Dispersion	20Hz to 15kHz Vertical: ± 1dB over 10° arc Horizontal: +0-3dB over 60° arc
Sensitivity	87dB (2.83V, 1m)
Distortion	For 95dB at 1m Second harmonic: < 1.5% (20Hz to 100Hz) < 0.5% (100Hz to 20kHz) Third harmonic: < 0.5% (20Hz to 100Hz) < 0.5% (100Hz to 20kHz)
Impedance	Nominal 8Ω (not falling below 4Ω)
Power handling	Suitable for amplifiers of 100W to 600W
Crossover network	Fourth-order Butterworth acoustic response crossover frequencies 380Hz and 3kHz
Drive units	One 300mm high-power polymer cone bass, one 126mm Kevlar cone midrange, one 26mm metal dome high frequency
Dimensions	Height: 1008mm (39 <sup>11</sup> / <sub>16</sub> in) Width: 432mm (17in) Depth: 560mm (22in)
Weight	546kg (119lb)
Cabinet finish	Selected real wood veneers of walnut, black ash or rosewood, satin white Special finishes on application

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\* These response and loading characteristics apply with the use of the high-pass bass alignment filter. Without this the bass loading is fourth-order and the frequency response—9dB at cut-off. The latter response may well be suitable for average domestic requirements.