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B&W Bowers & Wilkins

300 Series

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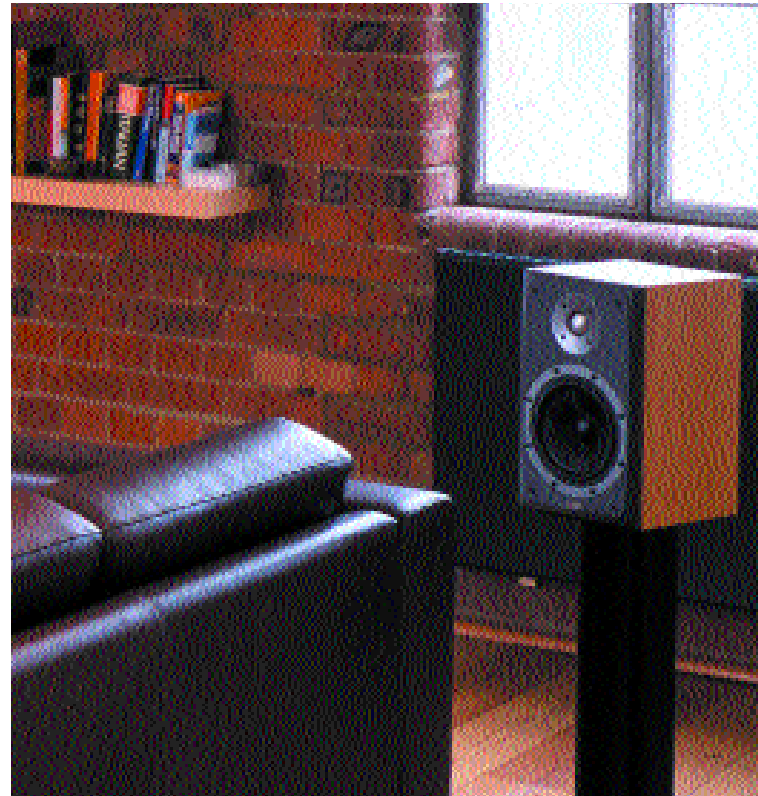
So much for so little...

It is time to raise your expectations. The Bowers & Wilkins 300 Series rewrites the rulebook on entry-level speaker definition. Until now, a gulf has existed between what most of us aspire to in terms of audio, and what many of us can afford. The 300 Series dramatically reduces the gap between aspiration and acquisition. Quality can no longer be measured in direct proportion to price. On features where rival ranges would make sacrifices, the 300 Series refuses to compromise. But how?

The simple fact is that the acoustic engineers at Bowers & Wilkins who brought groundbreaking technology to the acclaimed Nautilus 800 Series were not prepared to abandon all they had earned when they came to design more affordable ranges. They raised the stakes and you reap the benefit. Let's take a closer look at the three models that make up the 300 Series.

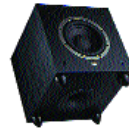


Formerly available only in the more exclusive ranges, the 300 Series incorporates for the first time in a speaker of its class the Nautilus™ tube-loaded tweeter technology producing the hallmark B&W clarity.





The LCR3 is magnetically shielded so that it can be placed right next to a TV without distorting the picture. The symmetrical driver configuration gives a choice of orientation for a truly versatile home theatre speaker: horizontally as centre channel on top of the TV or in vertical position on left and right.



With a powerful bass frequency output generated from inside a compact and stylish cabinet, the ASW300 subwoofer is the ideal partner for any 300 Series home cinema or stereo system.



All three models incorporate Flowport. The damped surface of the faced ends of the tube use golf ball aerodynamics to smooth the airflow through the port, reducing turbulence noise to negligible levels.

There's the DM303 2-way speaker, which is equally at home with two-channel stereo or as a front left/right or surround speaker in a home theatre installation where magnetic shielding is not required. The LCR3 speaker is designed primarily for home theatre, and its magnetic shielding allows it to be positioned on or close to the TV without affecting the picture. Finally, the ASW300 subwoofer delivers an added kick to the bass output of your 300 Series system. Featuring a 200mm paper/Kevlar® cone, the ASW300 will sit discreetly in your room, its internal 100w amplifier generating a noticeably more powerful sound environment, whether from a stereo or home theatre system.

The range features a host of Nauticus-derived technologies. Inside both the DM303 and LCR3, hidden away behind the tweeter, is a damped tapering tube. The tube-loaded tweeter ensures far greater absorption of unwanted radiation from the rear of the dome, giving rise to a cleaner, more focused and natural high frequency sound.

The bass/midrange drivers of the DM303 and LCR3 use woven glass fibre cones, which function in a similar fashion to the Kevlar® cones used in B&W's more exclusive ranges by cancelling out unwanted sound waves. Distortion and signal degradation are minimised by an audiophile-quality crossover featuring air core inductors and plastic film capacitors.

All of these ingredients are skillfully blended to offer a level of performance unprecedented at this level, and matched by a stunning design. The front baffle, moulded in inert mica-filled polypropylene, has a subtly curved outline and is damped to echo the theme of the Flowport at the rear; itself elegantly combined with the easy-access terminal panel that accepts all common terminal variations, from spades to banana plugs to bare wire-ends.

Versatile and affordable, beautifully designed and easily expandable, the 300 Series is the perfect introduction to the world of Bowers & Wilkins.



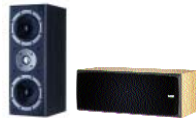
DM303

Technical features	Nautilus™ tweeter Flowport
Description	2 way vented box system
Drive units	1x ø160mm (6 in) woven fibreglass cone bass/midrange 1x ø20mm (1 in) metal dome high frequency
Frequency range	6dB at 50Hz and 30kHz 72Hz - 20kHz ±3dB on reference axis
Frequency response	Within 2dB of response on reference axis
Dispersion	Horizontal: over 40° arc Vertical: over 10° arc
Sensitivity	88dB SPL (2.83V/1m)
Harmonic distortion	2nd and 3rd harmonics (90dB/1m) <1% 90Hz - 20kHz
Nominal impedance	8Ω (minimum 4 Ω)
Crossover frequency	4kHz
Recommended amplifier power	25W - 100W into 8Ω on unclipped programme
Max recommended cable impedance	0.1Ω
Dimensions	Height: 331mm (13 in) Width: 201mm (7.9 in) Depth: 242mm (9.5 in)
Net weight	5 kg (11 lb)
Finishes	Cabinet: Black Ash vinyl Maple vinyl Grip: Black cloth



LCR3

Technical features	Nautilus™ tweeter Flowport Magnetic shielding
Description	2 way vented box system
Drive units	2x ø110mm (4.5 in) woven fibreglass cone bass/midrange 1x ø20mm (1 in) metal dome high frequency
Frequency range	6dB at 60Hz and 30kHz 80Hz - 20kHz ±3dB on reference axis
Frequency response	Within 2dB of response on reference axis
Dispersion	Horizontal: over 40° arc Vertical: over 10° arc
Sensitivity	90dB SPL (2.83V/1m)
Harmonic distortion	2nd and 3rd harmonics (90dB/1m) <1% 70Hz - 20kHz
Nominal impedance	8Ω (minimum 3 Ω)
Crossover frequency	4kHz
Recommended amplifier power	25W - 100W into 8Ω on unclipped programme
Max recommended cable impedance	0.1Ω
Dimensions	Height: 152mm (6 in) Width: 418mm (16.5 in) Depth: 221mm (8.7 in)
Net weight	5 kg (11 lb)
Finishes	Cabinet: Black Ash vinyl Maple vinyl Grip: Black cloth



ASW300

Technical features	Bass Overload Suppression Circuitry Flowport
Description	Active vented box subwoofer system
Drive unit	ø200mm (8 in) paper/Kevlar® cone
Frequency range	6dB at 20Hz and 180Hz adjustable (EQ at A)
Frequency response	3dB 27Hz - 150Hz adjustable (EQ at A)
Amplifier	Power output: 100W continuous Input impedance: 20kΩ Signal / noise: >90dB Functions: Output level Low pass filter frequency Low pass filter bypass Bass rolloff alignment Auto sense on/standby
Inputs	Line in (RCA Phono) Speaker level (binding posts)
Outputs	Line Out (RCA Phono high pass) Link Out (RCA Phono parallel to Line In) Speaker level out (high pass)
Low pass filter	Active 2nd order variable cut off frequency
High pass filter	Line level: Active 3rd order at 80Hz Speaker level: Passive 1st order at 80Hz (into 8Ω load)
Dimensions	Height: 405mm (16 in) including speaker feet Width: 330mm (13 in) Depth: 375mm (14.8 in) including grille and controls
Net weight	15kg (33 lb)
Cabinet finish	Black Ash Vinyl Maple Vinyl Black cloth
Grille	Black cloth

