

OPUS²

HI-FI & HOME CINEMA



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design

OPUS² Series Loudspeakers

Wharfedale's Opus range represents an absolute standard in fine acoustic engineering. Using advanced materials and design, coupled with a craftsman hand-build cabinet, finished to furniture grade standards. This latest generation of Opus, the Opus2 series, is remarkable, not only in performance, but also in presentation, and build.

A high-performance, copper-coated aluminium voice-coil is used in the high frequency tweeter.

Lighter, and able to respond faster to transients than pure copper, our new voice coil is cooled using a special ferrofluid base, coupled to cast alloy heat-sinks. This arrangement 'wicks' any excess heat away from the coil to prevent thermal compression.

Almost unique amongst hi-fi loudspeakers is our use of a 3" dome mid-range driver. Built on a robust frame, the mid driver mimics the dispersion characteristic of the tweeter for a superb integration

throughout the upper mid-range crossover point. This also allows the lower mid crossover point to be moved away from the crucial 'vocal-range' where the human ear is at its most sensitive.

A Woven carbon fibre bass driver adds terrific dynamic impact, providing speed and control throughout the deepest bass frequencies. The refined cabinet design further aids bass clarity by dispersing standing waves almost instantly.

OPUS² M-range

The OPUS² series has been extended with the addition of the M1 and M2 bookshelf loudspeakers. These small format bookshelves pack a high studio specification, with a Tri Laminated cone bass driver, comprised of glass and carbon fibres which keep incredibly rigid, minimising distortion levels.

The unusual format, using a bass driver, combined with a soft dome mid-range and central tweeter allows the speaker to have incredible dispersion on both the horizontal and vertical axis allowing the speaker to be used in front left or right positions, and horizontally ensuring a superb acoustic match across the front speakers in an AV system.



M1

M2



AV system

OPUS² AV system

Additionally to the OPUS² range a Home cinema system has been designed as a on-wall solution to accompany large plasma, or projector displays. Working on the same compliment as the M1 loudspeaker, but with a fully optimised design and crossover to eliminate the boundary interfacing problems that can be found in most wall speakers.

Similarly to the M range, the unusual driver placement gives the system exceptional dispersion, ensuring a cinema experience that will captivate you again and again. The system consists of two satellite speakers, OPUS² AVS, and a centre channel OPUS² AVC, packed in a single box.



SPECIFICATIONS

					
Model	OPUS ² M1	OPUS ² M2	OPUS ² - 1	OPUS ² - 2	OPUS ² - 3
Bass Driver	170mm	200mm	200mm	200mm x 2	250mm x 2
Soft Dome Mid Range	75mm Textile	75mm Textile	75mm Textile	75mm Textile	75mm Textile
Soft Dome Tweeter	25mm Textile	25mm Textile	25mm Textile	25mm Textile	25mm Textile
Nominal Impedance	6 Ohms	6 Ohms	6 Ohms	6 Ohms	6 Ohms
Frequency Response	42Hz - 43kHz	40Hz - 43kHz	37Hz - 43kHz	35Hz - 43kHz	33Hz - 43kHz
Power	75 Watts	100 Watts	150 Watts	250 Watts	300 Watts
Recommended Amplifier	40 - 150 Watts	50 - 200 Watts	60 - 300 Watts	100 - 500 Watts	100 - 600 Watts
Sensitivity 1W @ 1m	87db	88db	89db	90db	90db
Crossover Frequency	650Hz, 3kHz	700Hz, 3kHz	650Hz, 3kHz	650Hz, 3kHz	650Hz, 3kHz
Dimensions (HxWxD) mm	500 x 230 x 360	495 x 255 x 450	955 x 260 x 410	1080 x 260 x 410	1150 x 315 x 440
Weight	12.0 kg	16.4 kg	28.0 kg	34.5 kg	40.0 kg

					Finishes (all models)
Model	OPUS ² Tri Centre	OPUS ² AVS	OPUS ² AVC	OPUS ² Tri Surround	
Bass Driver	170mm x 2	170mm	170mm	170mm	 Piano Cherry
Soft Dome Mid Range	75mm Textile	75mm Textile	75mm Textile	75mm Textile	 Piano Rosewood
Soft Dome Tweeter	25mm Textile	25mm Textile	25mm Textile	25mm Textile	 Piano Birds Eye
Nominal Impedance	6 Ohms	6 Ohms	6 Ohms	6 Ohms	 Piano Black
Frequency Response	75Hz - 43kHz	45Hz - 43kHz	45Hz - 43kHz	60Hz - 43kHz	
Power	200 Watts	100 Watts	100 Watts	100 Watts	
Recommended Amplifier	70 - 400 Watts	40 - 200 Watts	40 - 200 Watts	40 - 200 Watts	
Sensitivity 1W @ 1m	89db	88db	88db	89db	
Crossover Frequency	900Hz, 4kHz	700Hz, 4kHz	700Hz, 4kHz	700Hz, 3.5kHz	
Dimensions (HxWxD) mm	232 x 575 x 320	500 x 230 x 140	500 x 230 x 140	230 x 460 x 180	
Weight	14.7 kg	9.0 kg	9.0 kg	10.6 kg	