



Fine lines...

The ugliest speakers are the best, right?

Everyone knows, serious speakers can't look good. And they certainly aren't supposed to match anything else you might have in your house. Sorry. Technology isn't there to look pretty. It's there to do a job.

Et cetera, et cetera. In fact, there is no law that relates performance to aesthetics. If there were, there would be no architects or automotive designers. Just like a building or a car, a speaker can look as good or bad as you want.

Bowers & Wilkins' range of Flat Panel Monitors proves the point. They present pioneering B&W technologies in stunning, streamlined contemporary cabinets. Designed with a minimalist sensibility, they possess a level of poise and elegance all too rare in high-end home cinema and audio components.

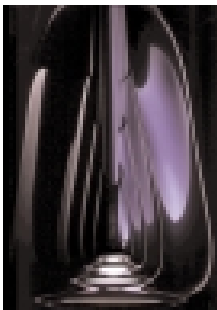
Just as flat plasma and LCD TV screens offer high resolution, distortion-free images from an ultra-slimline frame, FPM speakers deliver superlative sound with minimal interference to the room's decor and traffic. Dimensioned to precisely match different sizes of flat screen, they occupy a depth of just three and a half inches (9cm) – as thin as the thinnest plasma display. Their visual and physical presence has been reduced to a bare minimum. The listening experience, however, has lost nothing.



B&W's Flat Panel Monitors have been inspired by developments in TV screen technology, echoing the forms, finishes and dimensions of plasma and LCD TV screens. The three main models – FPM 4, FPM 5 and FPM 6 – correspond to three standard screen sizes, and offer a choice of frame colours and mounting options. The compact FPM 2 makes an outstanding rear speaker, and the PV1 subwoofer rounds things off with its revolutionary bass delivery.

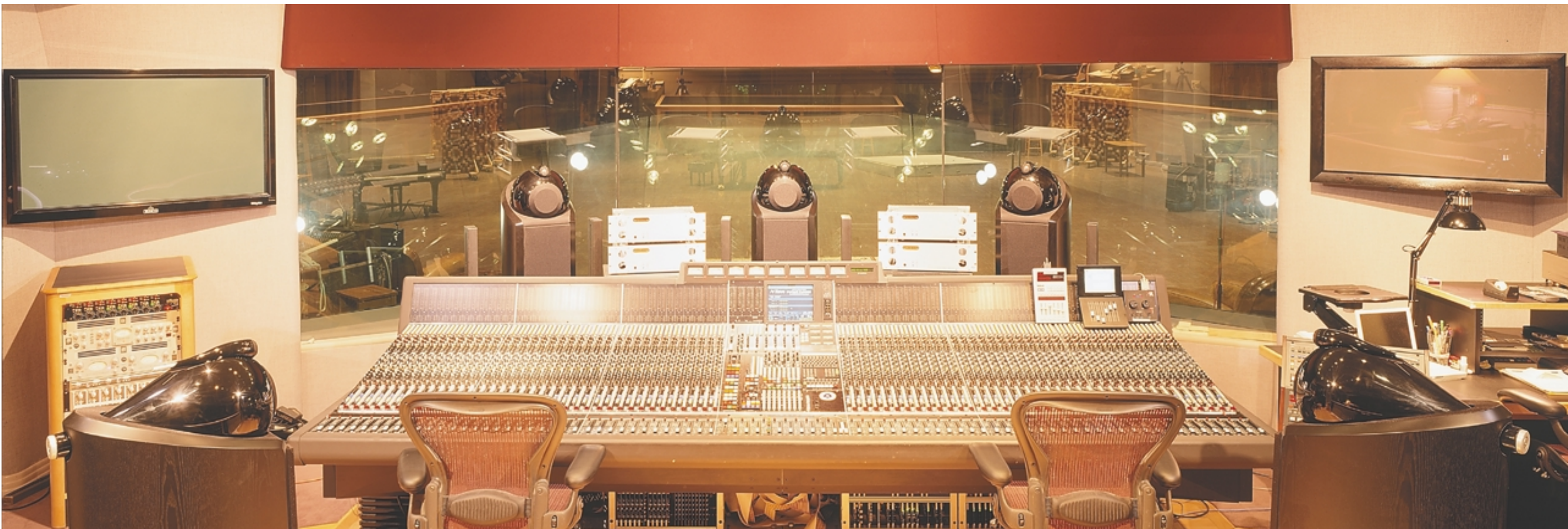






The lineage of the Flat Panel Monitors and all other B&W speakers goes back to Nautilus™. When B&W developed Nautilus™, the rules of speaker design changed. The product of a five-year quest at B&W's University of Sound R&D facility to create the world's best loudspeaker, it perfected established technologies and introduced a host of extraordinary new ones that, incorporated into other ranges, have revolutionised all parts of the speaker market.

...and fine-tuned performance



What emerges from our Flat Panel Monitors is sound as rich and as three-dimensional as you'd expect from B&W speakers. Our products enjoy a global reputation among professionals and consumers alike for their purity and power.

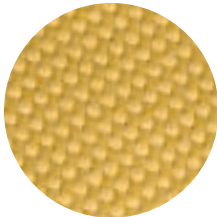
Don't take it from us. Ask George Lucas. The Star Wars series took cinematic sound to a different level. 'Sound,' the director says, 'is 50% of the motion picture experience.' His Skywalker Sound studio, one of the world's leading post-production recording facilities, creates soundtracks not only to movies, but to websites, theme park adventures and video games. In the booth, soundscapes are constructed with dazzling, lifelike clarity, courtesy of a suite of B&W monitors.

Many of the state-of-the-art technologies that make these speakers so sought-after by professionals have been adapted by B&W for ranges in more domestic settings. The Flat Panel Monitor series is one such range. The componentry inside its sleek, contemporary casing has a flawless heritage.



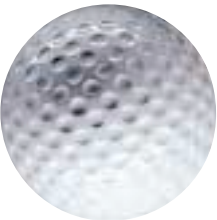
The source

B&W engineers in the seventies noticed how the square weave of Kevlar®, a textile used in bulletproof vests, dissipated the concentric waves that discolour sound in conventional speakers. Our yellow midrange/bass Kevlar® cones have since become a trademark that you can hear as well as see.



Nautilus™ looked like no other speaker. On top of its amazing, coiled, conch-like bass cabinet sat a set of drive units with what looked like tails. These tapering, tubular forms acted as acoustic black holes, ushering into infinity any trace of internal resonance.

The tube-loaded tweeter used in the FPM Series is a development of that technology. Unwanted sonic radiation from the rear of the diaphragm is given the runaround in the tube, and all that emerges from the front is the sweetest, sharpest high frequency sound.



Dimples. They're cute. And B&W's Flowport™ has dozens of them, all doing a very cute thing: smoothing airflow in the cabinet's port, just as dimples reduce turbulence around an airborne golfball. With its 'breathing' improved, the speaker can deliver deeper, cleaner bass frequencies.

Beauty and brains: a Flat Panel Monitor is blessed with both. Inside an FPM, you'll find the kind of intelligence that B&W speakers are known for.

Behind its still, understated exterior, ready to spring to life, lie the components responsible for its attention-grabbing sound quality. Each one represents a significant advance in speaker technology that has then undergone years of testing, refinement and re-testing by B&W's engineering perfectionists.

It's a holy trinity of B&W innovations. Our patented, distortion-minimising Kevlar® midrange/bass cone has been imitated for 20 years or more, and never matched. Just as distinctive is the tube-loaded tweeter, derived directly from Nautilus™ and generating the purest high-frequency output. Finally, Flowport™ takes the huff and puff out of delivering the perfect beat in a way only found in B&W speakers.



## Sound stream

FPMs make outstanding hifi speakers, however you choose to mount them. As a floorstander, floating almost unnoticed in a room, FPMs will leave the visual harmony of your listening room intact, while raising the quality of what you hear in it. Matching floorstands, one for the FPM 4 and FPM 5 (shown here), and one for the FPM 6, offer a solid, elegant mount, and allow cables to be concealed in a channel at the rear.



Despite their name, B&W's Flat Panel Monitors are not exclusively suited to home cinema set-ups. If you're in search of high quality hifi components that keep a low profile, a pair of FPMs make the perfect statement. While leading B&W technologies take care of any speaker-generated background noise, the lean, clean cabinet design minimises any visual interference in your listening room. All you experience is the music, in crystal-clear detail.

FPMs' slender dimensions allow them to be positioned with almost unlimited freedom: on a stand, on a wall or on a shelf or tabletop. No longer are you restricted in where you place your speaker by its size, shape and weight. FPMs will do their job wherever you need to put them, to fit your room and to maximise your listening pleasure.

Full flow

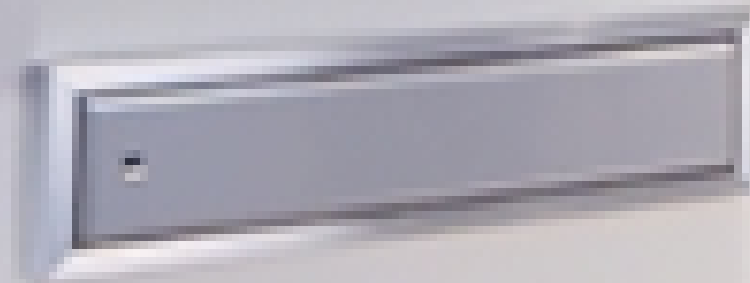
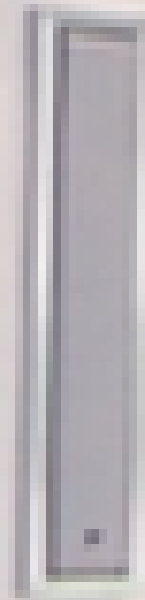
Flat Panel Monitors find their niche when they are deployed as part of a high quality home cinema installation. FPMs can be placed immediately next to most plasma displays and the appearance will be one of complete harmony. Screen and speakers ‘float’ on the wall surface, all in the same plane.

Whether mounted on a wall surface or on a tabletop stand, FPMs will generate a convincingly three-dimensional surround sound ‘image’ and bring the image on the screen to life. Their complementary dimensions and finishes help to create the impression of a ‘suite’ of audio-visual products. Of course, when a movie is playing, the only impression you’ll get is of being completely immersed in the action.

This is high-definition TV as it was meant to be seen and heard: crisp, distortion-free images and sound, from equipment you can hardly see. It won’t feel like watching TV. It will feel like looking through a window and hearing the action first-hand.

Walls used to have ears; now they do all the talking. Surface mounting FPMs alongside a flat-screen plasma TV display on a wall will create an exceptional home cinema experience and a set-up that is coordinated in every sense, in action or at rest. Utilising the same bracketry as in a custom installation, surface mounting of FPMs could hardly be easier. Included at the back of each FPM monitor is a screw compatible with a top of the line OmniMount Stainless Steel speaker mount. On surface-mounted speakers left and right of the TV screen, this allows for tilting of up to 10 degrees, for sound exactly where you want it.



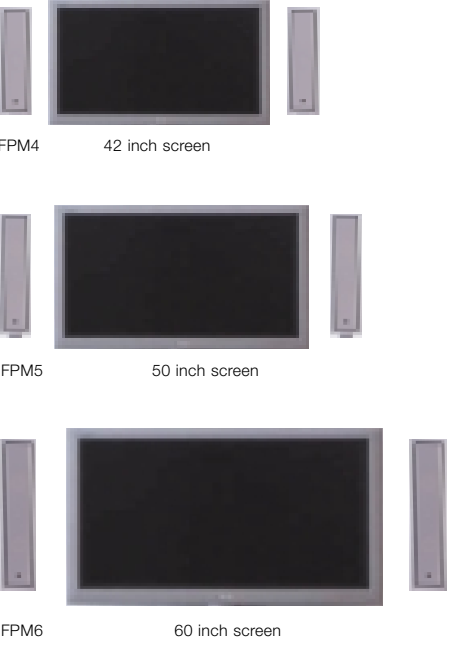
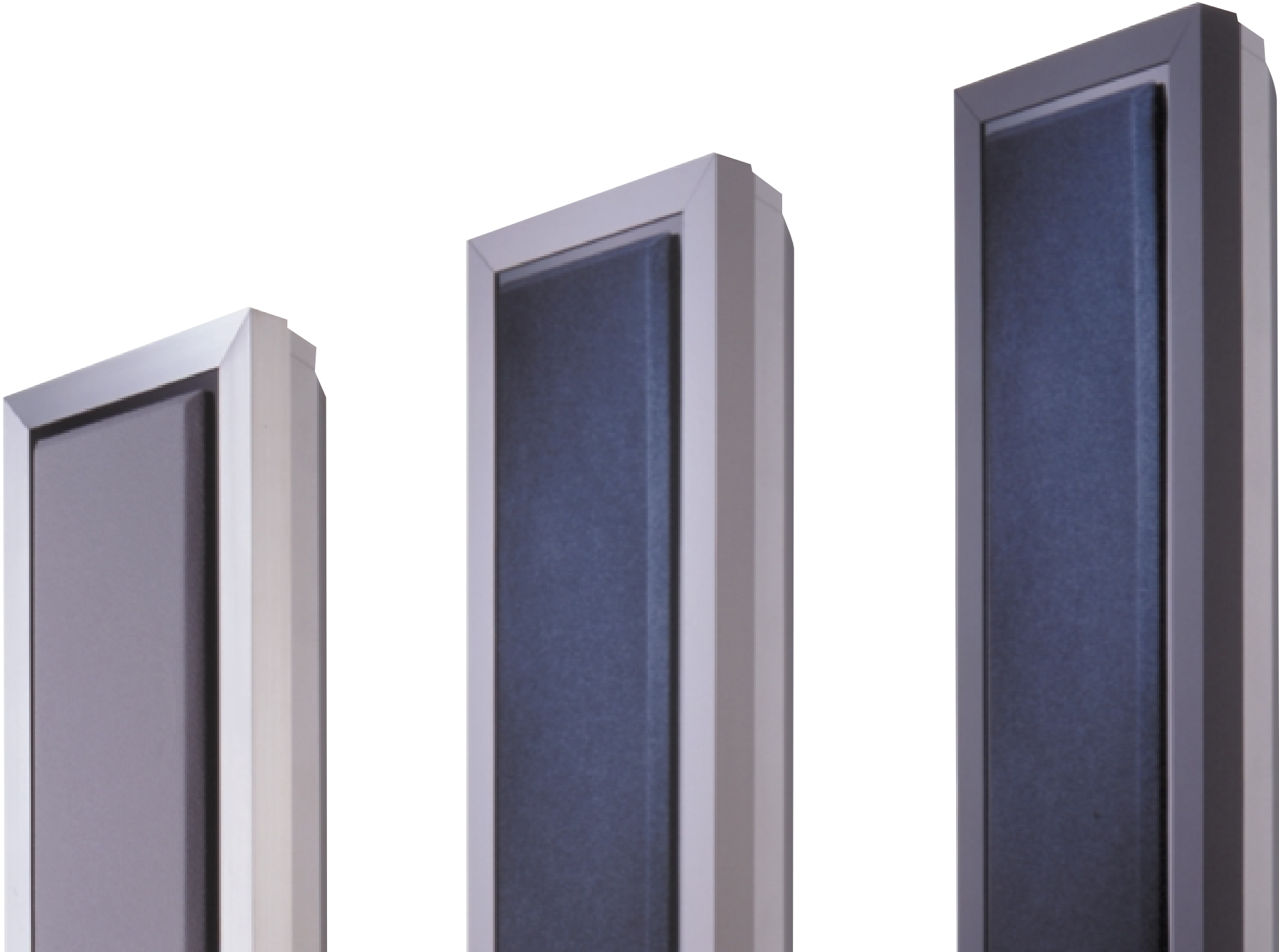


# Finishes and sizes

B&W's Flat Panel Monitors have been designed to complement the new generation of high resolution, flat screen plasma and LCD TVs. We have made sure there is a size and finish of speaker to match almost all standard screens.

The FPM 4, for instance, in its upright position, corresponds to a 42 inch screen. The FPM 5, which is identical in terms of power and performance, is slightly longer and matches a 50 inch screen. Finally, with slightly larger drive units and added performance, the FPM 6 lines up alongside a 60 inch TV screen.

Once you have made your size selection, pick a colour. FPM frames are available in three finishes – silver, anthracite and gloss black – to harmonise with the most popular flat panel TV frames. Rest assured; however you want your speakers to look, it will have no effect at all on how they sound.





A compact volume

For home cinema set-ups, when something more compact than the principle FPM monitors is required, the FPM2 is perfect. Just 17cm wide by 26cm high, it offers unmistakable B&W sound quality from a cabinet discreet enough to be mistaken for a photoframe. Put it where you want it – on a shelf, on a table or on a wall – using the accessories that come with the product.



A ‘bookshelf’ speaker is one thing. A book-sized speaker is quite another. But that’s just what the FPM2 is: high performance B&W technologies in a monitor no bigger than the average dictionary. As small speakers go, it’s the last word.

Designed primarily as a rear speaker, accompanying larger FPMs in a home cinema installation, the FPM2 also delivers characteristically crisp B&W sound as a two-channel hi-fi speaker. It applies the less-is-more FPM aesthetic to a unit compact and light enough to sit on a shelf, table or wall.

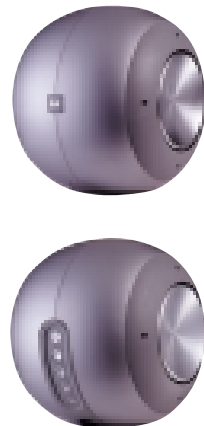
Behind the timeless facade the classic combination of a B&W Kevlar® bass/midrange cone and Nautilus™ tweeter work their magic. All the detail of sound is brought to the fore, while the speaker itself simply recedes into its surroundings. If you want to hear sound from A to Z, listen to the FPM 2.

# A round sound

We think you'll agree, the FPM series makes a statement, visually as well as acoustically. Naturally, we wanted the subwoofer that accompanies it to make a statement, too. It had to look the part. But most of all, it had to perform – which is why it came to be round. For a given thickness, flat panels flex more readily than round ones. So the PV1, our new compact subwoofer, doesn't have any. It's a pressure vessel, round like a bubble in order to distribute evenly and naturally, throughout the small surface area, the large pressures generated with low frequency sounds.

There's much less bending of the shell walls that can lead to sound distortion in ordinary box subwoofers. No corners on the cabinet means your bass keeps its edge. And, because there are two drive units operating symmetrically, back-to-back, the PV1 remains stable no matter how hard you push it.

A big sound from a small enclosure. The perfect complement to any FPM surround sound set-up.



Like the FPMs, the PV1 subwoofer is a speaker that has been reduced to its purest, most functional form. The rigid, round shell isn't just a styling exercise. It's an elegant way to minimize the vibration and sound coloration that afflict conventional subwoofers. Partnering FPMs with a PV1 is a natural, radical choice for your music and your home.





Shaving away inches from the back of the Flat Panel Monitors lends them unrivalled versatility in how and where they can be positioned in a room.

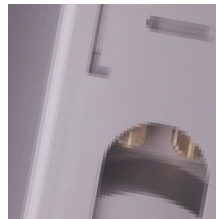
In on-wall or in-wall installations, delivering sound in a home cinema set-up, FPMs can be laid on their side, as a centre channel speaker...



...or installed upright, in left and right front speaker positions. Alternatively, they can be mounted on a coordinating floor stand, for positioning anywhere in a room as rear speakers for home cinema, or in hifi applications.



Finally, FPMs can sit happily alongside an LCD TV on a tabletop, thanks to a specially designed stand. If they are destined for a hifi set-up, think about mounting FPMs on a tabletop stand, and using them as bookshelf speakers.



The FPM 2 speaker is slim, small and light enough to sit happily wherever you choose. If it is to go on the wall, there are two mounting options: flat against the wall on the standard wall plate supplied or on an angle-adjustable bracket such as the Omnimount type 10.0 wall or ceiling.



Standing the FPM2 on a bookshelf or tabletop allows the most freedom, in case of changes of mind or room rearrangements. A stabilising leg that lies flat against the back of the speaker and keeps it upright is supplied with the product.

## Mounting options

You'll be amazed at the difference FPMs make to how you hear music and movies. And you won't believe the effect they'll have on your room. A fraction of the depth of conventional speakers, they don't make the demands on space that can turn a home cinema installation into an obstacle course.

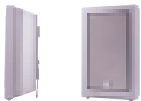
To make things even easier, there are a number of choices when it comes to positioning and mounting FPMs. Using floor stands specially designed for the range, FPM 4, FPM 5 and FPM 6 can be placed freely in the midst of your room. Alternatively, they can easily be surface-mounted on the wall using B&W bracketry, either on their side or upright. Table mounts take advantage of the speakers' reduced 'footprint', occupying just a small area of tabletop.

The smaller FPM 2 is just as versatile, taking up a minimum of space on a shelf, tabletop or wall.



FPM 2

Technical features	Nautilus™ tweeter Kevlar® cone bass / midrange
Description	2-way vented-box system
Drive units	1x ø110mm (4 in) Kevlar® cone bass/ midrange 1x ø25mm (1 in) alloy dome high-frequency
Frequency range	-6dB at 65Hz and 40kHz
Frequency response	80Hz – 20kHz ±3dB on reference axis
Dispersion	Within 2dB of reference response Horizontal: over 40° arc Vertical: over 10° arc
Sensitivity	86dB spl (2.83V, 1m)
Harmonic distortion	2nd and 3rd harmonics (88dB, 1m) <1% 160Hz – 20kHz <0.5% 200Hz – 10kHz
Nominal impedance	8Ω (minimum 4Ω)
Crossover frequency	2.7kHz
Recommended amplifier power	25W – 100W into 8Ω on unclipped programme
Max. recommended cable impedance	0.1Ω
Dimensions (wall mounted)	Height: 259mm (10.2 in) Width: 170mm (6.7 in) Depth: 102mm (4 in) including wall plate
Net weight	2.7 kg (6 lb)
Finishes	Cabinet Silver Frame & Grille Silver painted with silver cloth Anthracite with anthracite cloth Gloss black with black cloth



FPM 4

<b>Nautilus™ tweeter</b> <b>Kevlar® cone bass</b> <b>Flowport™</b>	
2-way vented-box system	
2x ø110mm (4 in) Kevlar® cone bass 1x ø25mm (1 in) alloy dome high-frequency	
-6dB at 65Hz and 42kHz	
72Hz – 22kHz ±3dB on reference axis	
Within 2dB of reference response	
Horizontal:	over 40° arc
Vertical:	over 10° arc
88dB spl (2.83V, 1m)	
2nd and 3rd harmonics (88dB, 1m)	
<1% 100Hz – 20kHz	
<0.5% 200Hz – 10kHz	
8Ω (minimum 4Ω)	
180Hz, 3.7kHz	
25W – 120W into 8Ω on unclipped programme	
0.1Ω	
Height:	563mm (22.2 in)
Width:	170mm (6.7 in)
Depth:	102mm (4 in) including wall plate
4.75kg (10.5lb)	
Cabinet	Silver
Frame & Grille	Silver painted with silver cloth Anthracite with anthracite cloth Gloss black with black cloth



FPM 5

<b>Nautilus™ tweeter</b>	
<b>Kevlar® cone bass</b>	
<b>Flowport™</b>	
2-way vented-box system	
2x ø110mm (4 in) Kevlar® cone bass	
1x ø25mm (1 in) alloy dome high-frequency	
-6dB at 62Hz and 42kHz	
69Hz – 22kHz ±3dB on reference axis	
Within 2dB of reference response	
Horizontal:	over 40° arc
Vertical:	over 10° arc
88dB spl (2.83V, 1m)	
2nd and 3rd harmonics (88dB, 1m)	
<1% 100Hz – 20kHz	
<0.5% 200Hz – 10kHz	
<b>8Ω (minimum 4Ω)</b>	
180Hz, 3.7kHz	
25W – 120W into 8Ω on unclipped programme	
<b>0.1Ω</b>	
Height:	665mm (26.2 in)
Width:	170mm (6.7 in)
Depth:	102mm (4 in)
including wall plate	
5.5kg (12.1lb)	
Cabinet	Silver
Frame & Grille	Silver painted with silver cloth
	Anthracite with anthracite cloth
	Gloss black with black cloth



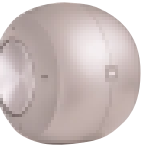
FPM 6

<b>Nautilus™ tweeter</b>	
<b>Kevlar® cone bass</b>	
<b>Flowport™</b>	
2-way vented-box system	
2x ø130mm (5 in) Kevlar® cone bass	
1x ø25mm (1 in) alloy dome high-frequency	
-6dB at 55Hz and 42kHz	
65Hz – 22kHz ±3dB on reference axis	
Within 2dB of reference response	
Horizontal:	over 40° arc
Vertical:	over 10° arc
88dB spl (2.83V, 1m)	
2nd and 3rd harmonics (88dB, 1m)	
<1% 100Hz – 20kHz	
<0.5% 200Hz – 10kHz	
<b>8Ω (minimum 3.5Ω)</b>	
180Hz, 4.8kHz	
25W – 150W into <b>8Ω</b> on unclipped programme	
<b>0.1Ω</b>	
Height:	794mm (31.3 in)
Width:	195mm (7.7 in)
Depth:	111mm (4.4 in)
	including wall plate
6.75Kg (14.9lb)	
Cabinet	Silver
Frame & Grille	Silver painted with silver cloth
	Anthracite with anthracite cloth
	Gloss black with black cloth



PV1

Technical Features	Pressure vessel enclosure 500W IcePower amplifier Switch mode power supply
Description	Active closed-box subwoofer system
Drive units	2x ø200mm (8 in) mica / aluminium cone long-throw
Frequency range	-6dB at 18Hz and 40/140Hz adjustable (EQ at i)
Frequency response	±3dB 21Hz – 31/110Hz adjustable (EQ at i)
Amplifier	Power output: 500W Rated power consumption: 110W (105W– 100V version) Input impedance: 100kΩ Signal / noise: >90dB Functions: Volume level Low-pass filter frequency Bass roll-off alignment Auto sense on/standby Phase switch Inputs: Line In (RCA Phono) Speaker Level In(RJ11) Outputs: Link Out (RCA Phono)
Low-pass filter	Active 2nd -order, variable cut-off frequency (applies only to speaker level input)
Dimensions	Height: 335.5mm (13.2 in) Width: 289mm (11.4 in) Depth: 347mm (13.7 in)
Net weight	20.5kg (45 lb)
Cabinet finish	Silver with grey trim Gloss black with anthracite trim



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