

Bowers & Wilkins

Panorama 2





## The language of dreams

There's a reason why they call it the movies. And it's not just because of the moving pictures on screen. Cinema also moves you. It transports you to different times, faraway lands and alien worlds. Cinema speaks to us in the language of emotions. Of dreams.

Bowers & Wilkins knows all about dreams. Our company was founded on one. Since 1965, John Bowers always dreamed of building the perfect loudspeaker – one that brings sounds to the listener exactly as they were recorded, as they originally sounded. That was our goal almost five decades ago; it remains so to this day.

Cinema draws its audience so close to a dream that, just for a moment, they feel as though they can reach out and touch it. At Bowers & Wilkins, that's a language we understand very well.

### **Bringing cinema sound home**

The Bowers & Wilkins CT800 Series is the world's leading speaker system for custom-built home theatres, using technologies inherited from our advanced studio monitors. You'll find many of the same technologies in the Panorama 2 soundbar.

## Ultimate cinema sound

This is where Hollywood puts music to movies. This is the control room of Lucasfilm's Skywalker Sound studio in Marin County, California. It's one of the most advanced audio production suites in the world and probably the ultimate multi-channel listening environment.

Naturally, it uses the world's ultimate sound system, featuring Bowers & Wilkins 800 Series speakers. For speakers that bring cinematic sound to you as it was meant to be heard, you can trust Bowers & Wilkins. The people who make movies do.

**The score** Even if you've never heard of James Newton Howard, you'll be familiar with his music. One of Hollywood's most lauded film composers, James has written unforgettable scores for films including The Dark Knight, The Bourne Legacy and Peter Jackson's King Kong, which was recorded using Bowers & Wilkins 800 Series speakers. James is one of Bowers & Wilkins Society of Sound Fellows. To find out more about his work and inspirations visit [www.bowers-wilkins.com/sos](http://www.bowers-wilkins.com/sos)





## Flat screen, big sound

The modern, flatscreen TV is a brilliant piece of electronics engineering, with one small catch. Yes, screens have got bigger, flatter, and picture quality has improved dramatically. It's now entirely possible to watch stunning cinematic images at home, without a projector or home theatre set-up. But what about the sound?

The decision to thin down the TV frame, has forced manufacturers to thin down the speakers – and it's simply impossible to deliver truly stunning, cinematic sound from a tiny, flat speaker. But, with Panorama 2, we can deliver amazing, cinematic sound from a single, discreet soundbar.

Movies, music and games come to life in a way that you would never think possible from such a discreet, simple speaker.

## Simplicity, purity

“The best speaker isn’t the one that adds the most, it’s the one that takes away the least.” In 1965, John Bowers’ dream for Bowers & Wilkins speakers was that as little as possible should get between the listener and the sound as it was originally recorded. That’s why simplicity and purity have been our hallmarks since day one. But these are not just sonic traits.

We believe speakers should also be easy to install and use, and look as simple as possible. So using Panorama 2 is as simple as plugging it in, and features no unnecessary buttons or styling. We don’t want anything to get in the way of you enjoying the stunning sound of your favourite films.

**HDMI connections** Panorama 2 features 3 HDMI inputs and 1 output. This means Panorama 2 works with the widest range of TVs and adds: on-screen information display; audio-return, taking sound from TV to amplifier; and CEC (Consumer Electronics Control), so you can control Panorama 2 using your existing remote control.





## Fade to black

Lean back and don't let anything distract you. The reason the lights dim in a cinema is so you can focus on the screen. With Panorama 2 we don't want to distract you with pointless blinking lights when you don't need them.

To Panorama's clean and simple lines, we've now added a proximity-sensitive display. Leave it alone and it fades back to black – ensuring you aren't distracted by it when you're watching. But wave your hand over the display and you can instantly access information and control Panorama 2 directly.

We don't even want to distract you fumbling with an unfamiliar remote. Because Panorama 2 features HDMI and CEC (Consumer Electronics Control) you can also navigate the on-screen display and streamlined, simple menus with your existing TV remote control from the comfort of your seat.

Sit back, relax and enjoy the show – free from any distractions.

**Proximity-sensitive display** The new motion-sensing panel on Panorama 2 only becomes visible when you wave your hand in front of it. Once activated, the colour-coded display shows source and surround sound mode, and allows you to control source, volume and speaker mode. Combined with the new streamlined on-screen display menus, it's easier than ever to use Panorama 2.



## Experience every detail

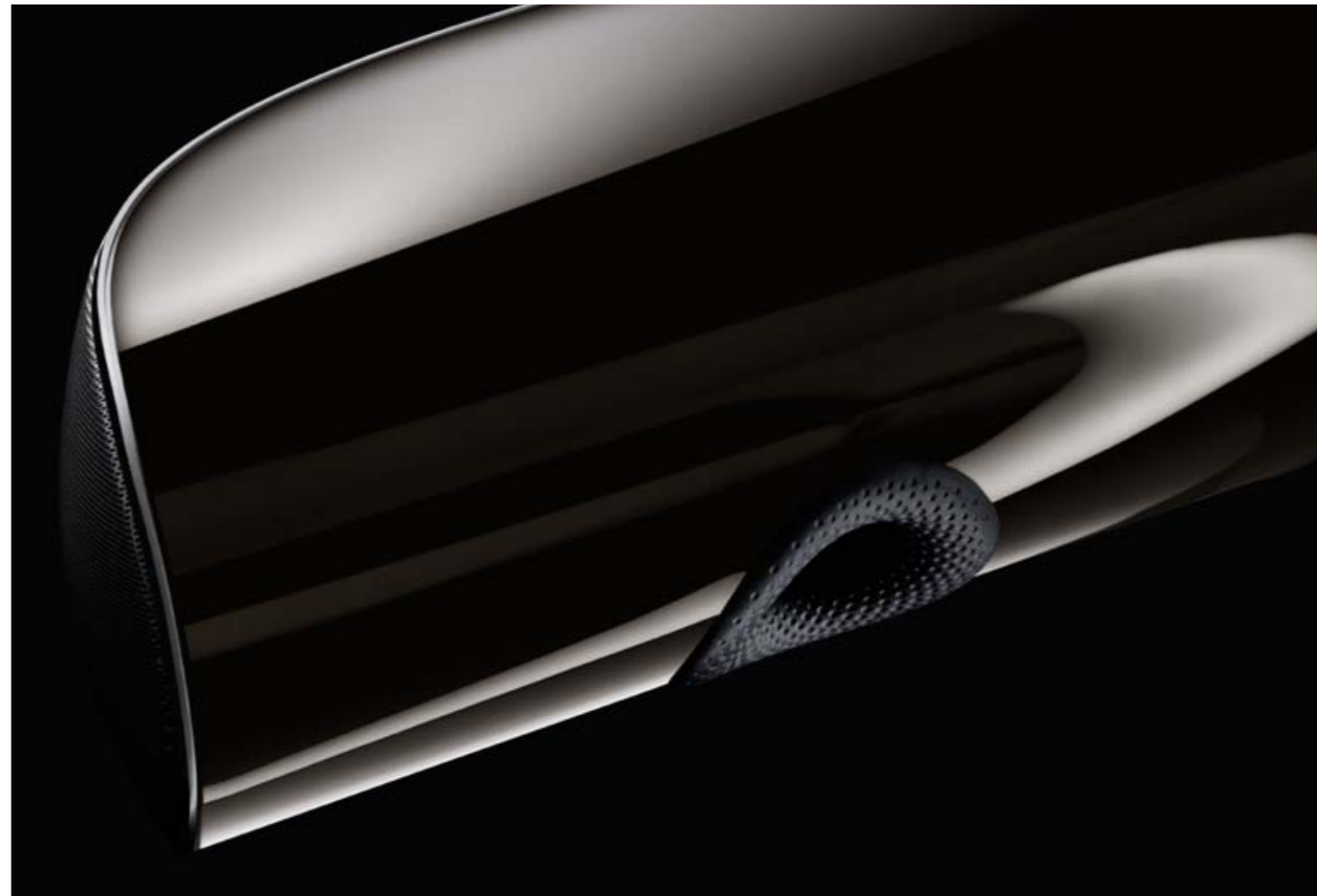
Every product Bowers & Wilkins has produced has built on our expertise and audio engineering experience. In our dedicated research and development centre in Steyning, West Sussex, known as 'The University of Sound', we're constantly on a quest for ultimate audio quality.

Now, the technologies developed at Steyning, found in some of the most demanding recording studios across the world, can also be found in a seemingly simple soundbar. Panorama 2 features cutting-edge components and design features to bring your movies and music to beautiful life in your home. Allowing your whole family to enjoy wonderful immersive sound.

**DSP** The uniquely tuned Digital Signal Processor inside Panorama 2 is a vital ingredient in ensuring movies and music fill your room. The DSP tweaks speaker phasing and levels to ensure crisp, clear, room-filling sound that envelops the listener, at all volumes.

**Cabinet construction** Strength and rigidity is key to avoiding audio distortion – we want you to only hear the audio from the drivers, not a rattle from the cabinet. That's why Panorama 2 is designed with an unbroken, curving outer shell.

**Flowport™** The dimples around the ports on the rear are there to smooth airflow, like the pattern on a golf ball. In Panorama 2, long Flowports ensure that air pressure generated by the internal subwoofers don't create turbulence and extra noise. The result is a strikingly strong, but clear and rich bass response.



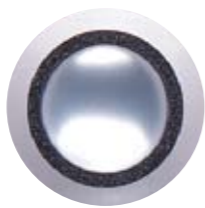
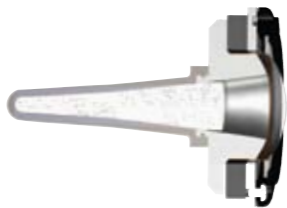
**New drive units** Panorama 2 features completely upgraded drive units, with dramatically improved acoustic performance – particularly at the low-end. Movies and music on Panorama 2 now sound better than ever, on a product that already set the standard for soundbar audio.

**Bass** To generate the powerful bass needed for movie effects, Panorama 2's twin internal subwoofers work in concert, driven by a dedicated 50W amplifier. Both drivers are designed to move like pistons, back and forth precisely, without deforming the cone – for pristine bass response to below 40Hz.

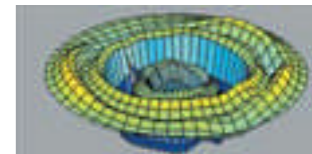
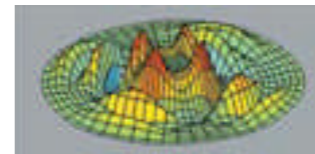
**Ultra-wide sound** So everyone experiences the best in sound quality, the drive unit layout has been further improved to disperse sound to as wide a listening area as possible. Incredibly, Panorama 2 now delivers a larger audio "sweet spot" than conventional 5.1 surround set-ups.



**Tweeters** Panorama 2 uses aluminium dome Nautilus™ tube-loaded tweeters. The elongated shape swallows unwanted noise behind the dome. The same technology is found in our audiophile hi-fi speakers, such as the reference-standard 800 Series Diamond. And the tweeters have now been improved in Panorama 2 for better crossover with midrange drivers.



**Midrange** Six glass fibre cone drive units deliver the bulk of Panorama 2's amazing sound. The construction of the cones was optimised using laser interferometry – to minimise standing wave interference – so movies and music sound clear, clean and true to life.





# Society of Sound

Owning a great sounding system is one thing. But if you're passionate about sound, your appreciation needn't stop there. Get involved, learn more and share your passion with others in Society of Sound. It's the place to:

- Download the freshest and most exciting, super high-quality lossless music, including 24-bit albums, curated by Peter Gabriel's Real World Studios and the London Symphony Orchestra.
- Go behind the scenes with some of the most inspiring minds in music: Society of Sound Fellows.
- Join the debate and get great tips in the Blogs.

Find out more at [www.bowers-wilkins.com/sos](http://www.bowers-wilkins.com/sos)





## Panorama 2

Description	Integrated A/V Sound System	Outputs	1 x HDMI output (supporting ARC) Subwoofer pre out (RCA Phono)
Technical features	Nautilus™ tube loaded aluminium dome tweeter Flowport™ Digital Signal Processing Digital amplifier Switch mode power supply		Output: 1 Vrms Frequency: 12 ~ 150Hz
Decodes:	Dolby® Digital Dolby PLII DTS™ Stereo AAC-Mpeg2 (Japan Only)	Dimensions	Height 125mm (5in) Width 1100mm (44in) Depth 181mm (7.24in)
Drive units	2x ø90mm (3.5in) subwoofers 2x ø75mm (3.0in) midrange 4x ø75mm (3.0in) surround channels 1x ø25mm (1in) metal dome tweeter	Gross weight	14.1kg
Frequency range	-6dB at 35Hz and 50kHz	Finish	Enclosure: Mirror black stainless steel skin Grille: Black steel mesh
Amplifier power output	1x 50W (subwoofers) 5x 25W (centre/ surround)		
Power input voltage	Universal AC 120V-250V, 50-60Hz		
Rated power consumption	36W		
Standby power consumption	<0.5W		
Inputs	3 x HDMI inputs 1 x 3.5mm Analogue/digital combi 3.5mm mini jack: RS-232 service connector		

# Bowers & Wilkins

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