

PHILIPS

Fidelio

Premium audio



Obsessed with sound

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Obsessed with sound

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# Obsessed with sound

In the world of audio, Philips is an innovator best known and regarded for defining the standards of sound and how it is experienced, through the tests of time and changing trends. Since our introduction of groundbreaking products – from the portable radio and compact disc to wireless speakers – it has been our quest to enhance how the world enjoys their favorite music.

The launch of our premium Fidelio range is part of our steadfast obsession with sound: in all its rich authenticity, just as the artist intended. Join us on our ongoing sound journey as we share our philosophy and introduce you to the people behind it.



Our sound heritage

## Creating the future of sound

Philips' quest to revolutionize sound and how it is experienced began in the early days of radio.

In 1923, we produced the Miniwatt radio valve – a smaller, more powerful and energy efficient solution to its current counterpart. It allowed radio listeners to replace their headphones with a loudspeaker. For the first time, music could be enjoyed as a shared experience. This was just one of many innovations to establish Philips as an important leader in audio history.

The Miniwatt's packaging proudly bore the iconic Philips shield logo, featuring distinctive waves and stars that reflected the significance of sound within the company. Together, they symbolized radio waves and the evening sky because, at the time, families would gather around the radio set after dinner to listen to news and shows. These were cherished moments that created lasting memories.



Chapel Radio, 1931.  
This iconic radio set was nicknamed 'The Little Chapel'.

Speech by Dutch Queen Wilhelmina and Princess Juliana via a Philips short-wave transmitter, 1927.



## Radio goes global

In 1927, Philips' next major innovation was the 'penthode' – a five-electrode radio valve. This high-power electron tube minimized signal distortion and was the first step toward the sound purity Philips has always strived for.

That year, the Dutch Queen and Princess addressed compatriots in the East and West Indies using a Philips short-wave transmitter in a laboratory setup, generating national acclaim. Encouraged, Philips set up N.V. Philips Omroep Holland-Indie, a world broadcasting service, which was greatly received.

This first-of-its-kind transmitter was more effective than any short-wave station and was heralded as the world's most powerful short-wave transmitter. To demonstrate the sensation of radio's 'Voice of the Giant' to the masses, Philips set up amplifiers with numerous loudspeakers at public events, creating quite a stir.

Philips next developed a compact domestic radio set with a built-in loudspeaker, which soon found its way into homes all around the world. By 1932, we produced our one millionth radio set and our hundred millionth radio valve in 1933. This secured our position as Europe's biggest radio valve manufacturer and the world leader in radio sets.



Anton Philips, co-founder of Royal Philips N.V., with the one millionth radio set sold in 1932.



With its long range, the 'Voice' of the Giant' caused a tremendous stir.



## Making tracks in recording history

Philips' illustrious recording history began in 1942 with the acquisition of Nederlandsche Decca Distributie (HDD), exclusive distributor of Decca Records and a gramophone producer. By 1950, the company's record production and recording businesses were consolidated under Philips Phonografische Industrie (PPI).

PPI played a significant role by introducing the long-playing vinyl (LP) record to Europe. In 1962, PPI merged with Deutsche Grammophon Gesellschaft (DGG) – owner of Polydor Records – to form GPG, the largest record company

in Europe. In 1972, GPG became PolyGram and Polydor Records and acquired renowned American and British labels, including MGM Records and Decca. The 70s disco craze marked Polygram's peak, thanks to multi-million selling records and soundtracks.

For a time, it was the world's biggest record company, bolstered by acquisitions of famous labels including Motown. In 1998, it was sold to Seagram to become Universal Music. Today, reissues of music under Polydor Records keeps this legend alive.

Philips Phonografische Industrie (PPI) and gramophone records, 1950s.





Brochure image introducing the first 'pocket-sized' compact cassette tape recorder, 1963.



The world's first compact cassette recorder, 1963.



CD-100 – The world's first CD player, 1982 (Invented by Philips in cooperation with Sony).



Compact discs at their peak – CD factory in Hannover, 1985.



Streamium MC-i250 – The world's first wireless broadband internet micro Hi-Fi system, 2003.

## The birth of portable audio

After World War II, Philips manufactured tape recorders for magnetic sound and playback. However, the loose reels made tape-threading a fiddly task, restricting them for professional use only.

In 1963, we presented the world's first compact cassette recorder in Berlin's International Radio Exhibition. Not only was this revolutionary product conveniently small, it encased both tape reels in plastic, overcoming the issue with loose reels. Although originally conceived for dictation, record

companies recognized its potential. Philips decided to license the cassette format for free, establishing itself as the founder of portable audio and a new format that became the world standard for decades.

In 1966, the first cassette albums were released under the Philips-owned Mercury label. Soon after, we launched the first car radio/cassette and a portable radio-cassette player. By the 1970s, the compact cassette was the most popular format for pre-recorded music.

## The CD revolution

With the compact cassette at the peak of its popularity, Philips was ready to unveil yet another groundbreaking audio innovation.

In 1974, a Philips research team in Eindhoven developed a 20cm optical audio disc with sound quality far superior to the large yet fragile vinyl record. What we ultimately revealed to the world in 1979 was an 11.5cm 'Compact Disc'. The team's objectives: music reproduction of an unprecedented quality sans interference and noise; and resilience to light fingerprints, dust and scratches – were successfully achieved. As international standardization was key to its success, Philips collaborated with Sony to establish the global Red Book

standard for digital audio discs. From 1980, both companies granted manufacturing rights to several producers, thus boosting the prospects of this new standard.

1983 saw the Big Bang of the digital audio revolution, as CD players and discs were widely released in key markets. CDs became more affordable, revolutionizing the record industry and how people enjoyed music at home. Improved sound quality, durable materials and ability to skip whole tracks instantly, propelled the success of the CD and firmly established Philips' reputation as the undisputed global leader in audio.

## Connecting audio

Hot on the heels of the compact disc came the Philips FW-i1000 – the world's first integrated audio device connecting to over a thousand internet radio stations. Following this was our Streamium MC-i250 – the world's first wireless broadband internet micro Hi-Fi system and forerunner of the wireless speakers that we enjoy today.

Offering unlimited access to multiple online music services and streaming of digital music from multiple devices on a home network, the MC-i250 was the first of many Streamium products that provided integrated home entertainment functions. 'Don't dream it, stream it!' was its apt and catchy slogan.



'Chapel Radio'  
Radio Receiver

1931



Philetta Radio

1955



Compact  
Cassette Recorder

1963



CD Player

1982



Digital Compact  
Cassette Recorder

1992



Super Audio CD Player

2000



Streamium Wireless Broadband  
Internet Micro Hi-Fi System

2003



Primo Docking Speaker

2010



Fidelio  
Surround On Demand Speaker

2012

## Fidelio heralds a new era


Building on solid audio credentials, Philips next created the Fidelio range and began the next chapter in our illustrious sound journey.

Specially designed for discerning music lovers, the range is based on the premise that if you truly love sound, every detail matters. Whether it's your favorite song or movie soundtrack, you should experience sound and all its nuances exactly as the artist intended. The comprehensive

range features premium products – from wireless audio to headphones and home cinema systems – all characterized by unparalleled sound quality, craftsmanship and leading edge connected functionality.

The Fidelio is a testament to our continual obsession with sound and our unwavering commitment to deliver meaningful innovations to our consumers.





PHILIPPS  
Fidelio

Fidelio defined



## Fidelio sound

With obsession comes bold creativity, and this is what drives Philips' acoustic engineers to think beyond the boundaries of current technologies to conceive new products and refine experiences.

Our ability to tune in to the needs and aspirations of our consumers is fundamental to the success of our product development. This in-depth understanding is the cornerstone of our sound engineering philosophy, which is to deliver sound as it is meant to be heard. Our passion for innovation is as strong today as ever. Our ambition is simple: to be the best in sound.



Working closely with our product designers and marketing teams, our engineers consider important factors beyond technological feasibility, taking into account consumers' expectations and interactions. This is to ensure our new concepts reflect the Fidelio values of best-in-class sound, iconic design and intuitive connectivity, before allowing ideas to blossom into full development.

Through extensive research and development, we have clearly defined Fidelio's unique sound: natural and dynamic; true to each sound recording; clear and detailed yet rich and warm, and surprisingly powerful for the product's size. To complement its distinct sound experience, Fidelio design is qualitative and advanced, exceptional in its balance of style and performance, with exquisite attention to detail.



## Golden Ears

At the heart and soul of Philips' audio division are cross-functional specialists and expert engineers, wholly committed to creating and refining Fidelio's signature sound.

No measuring equipment can replace the sensitivity of the human ear. That is why Philips has its own panel of distinguished sound professionals to test all our products and proprietary solutions. Their lineage began in the late 70s when Philips was developing the revolutionary compact disc digital audio format. After years of experience, this notable team has earned the respected 'Golden Ears' title.



Today, we have fifty Golden Ear specialists – stationed in four audio innovation sites worldwide – trained to precisely detect subtle nuances in sound. They define a listening standard through stringent tests and measurements to ensure our product outperforms others in a similar price range. Based on their recommendations, a functional prototype is developed with components and design optimized to best meet consumers' desires and budgets.

Prior to launch, our product must pass the final Golden Ear blind preference test against competitor products. Only then is it released to enrich the listening experiences of our consumers.

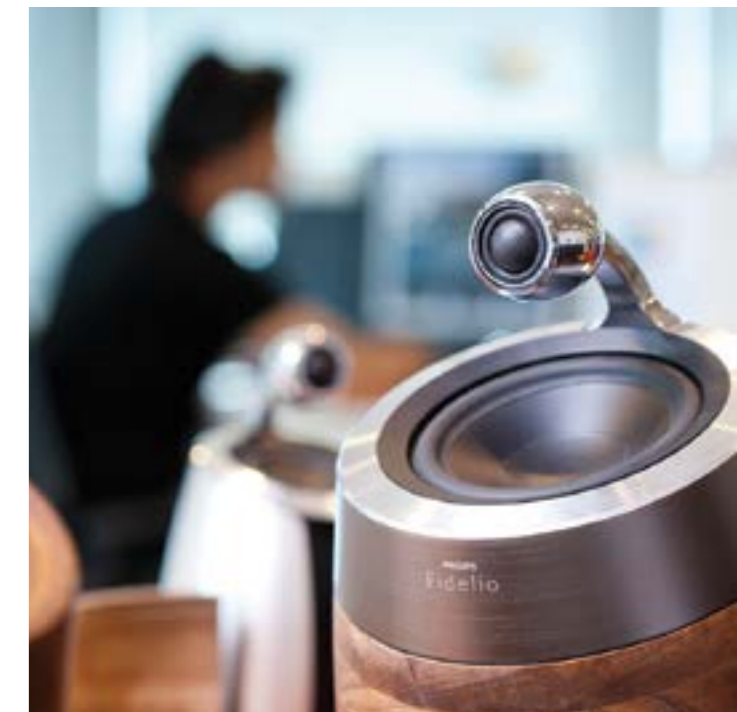


## Fidelio design

At Philips, acoustic design and product design are inextricably linked. Both collaborate symbiotically throughout the development process – from concept to production. Each product's design and acoustics undergo continuous refinement and countless prototyping tests throughout the entire process.

Our design and audio engineering teams work interdependently to define new sound and design concepts to ensure form and function are optimized and harmonized. This is part of our tireless commitment to achieve the perfect balance of sound performance and style, so we can create the best listening and aesthetic experiences through exceptional audio products.

The Fidelio range personifies our obsession with sound and our quest to innovate breakthrough products for music lovers the world over. Its iconic design is a form of acoustic expression that is distinctive yet timeless, using authentic materials and impeccable detailing to convey unique character and engage in a meaningful way. The Fidelio experience is meticulously considered through every aspect and facet, from engineering right up to finishing.



# Philips Fidelio Headphones

Philips Fidelio headphones adhere to a simple 'form follows function' design philosophy, while focusing on unique functions for exceptional sound. Fueled by new developments in driver technology and demands for personalization, our headphones are designed for music lovers who are passionate about the finer details in audio quality and style. Every component is carefully selected to meet our exacting standards and single-minded goal of delivering the most comfortable, enjoyable listening experience at home and on the go.





## Philips Fidelio NC1 noise cancelling headphones

Hear nothing but first-class sound with the Philips Fidelio NC1 headphones. Our innovative active noise cancellation (ANC) feature eliminates ambient noise, leaving you only with pure, unadulterated sound that Fidelio is known for.

Our advanced feed-forward and feed-backward ANC solution features four microphones implemented inside and outside the ear cans. The feed-forward ANC (external mic) covers a wider bandwidth of frequencies, while the feed-backward ANC (internal mic) provides fortified noise cancellation. This combination ensures reliable noise cancellation over a wider frequency range and to a deeper extent for music enjoyment even in noisy environments.

High definition 40mm neodymium drivers deliver uncompromised Fidelio sound marked by rich bass, natural mid-range and clear highs. This dynamic reproduction remains meticulously intact thanks to ANC, no matter what environment you're in. Your sound journey doesn't end even if the battery runs out – unlike other noise cancellation headphones; the Fidelio NC1 keeps delivering high fidelity sound.

Smart features like a mic with in-line control lets you switch easily from music to phone calls. With ANC on, enjoy crystal clear conversations wherever you are. Ergonomically designed memory foam ear cushions ensure long-wearing comfort, while its lightweight, compact and foldable construction plus stylish carrying case make the Fidelio NC1 your perfect travel companion for every journey.



## Philips Fidelio X2 headphones

The Philips Fidelio X2 headphones meld impeccably clear and detailed sound with true comfort in an iconic design. Immerse yourself in your very own personal concert right at home.

Its open-back architecture eliminates air pressure build-up, which greatly enhances sound transparency and smoothens extended high frequencies. High-powered 50mm neodymium drivers faithfully reproduce the dynamics of your favorite music, while the Layered Motion Control's multi-layered diaphragm absorbs any exaggerated frequencies to allow balanced and pristine details to shine through. Complementing the refined highs is Fidelio's sound signature of richly warm and natural sound.

The Fidelio X2's layered construction is designed for durability and uncompromised sound. Double-layered ear shells reduce resonance and vibration to deliver flawless sound. Specifically tilted at fifteen degrees with a self-adjustable hammock and airy 3D mesh, your ears are in for pure comfort. We had your ultimate comfort in mind when we enlarged the Fidelio X2's headband, and added a precisely machined external hinge system encased in genuine calf leather.

Adapting our technology to your lifestyle needs, the Fidelio X2 now comes with a 3m low-impedance woven cable that's Kevlar reinforced and detachable for low handling noise and tangle-free convenience. Its 3.5mm jack and included adaptor also give you more flexibility with your smart devices, taking your Fidelio sound enjoyment to a whole new level.





### Behind the creation

Fidelio headphones make distinct but always authentic statements. Inspired by luxury design and aviation architecture – from time-pieces to aerofoil – and starring real leather with finely handcrafted stitches, our Fidelio headphones feel personalized while articulating a uniquely premium listening experience. With Fidelio, it's all about harmonizing the finest details: comfort that's lightweight yet enduring, and sound that's immaculately nuanced yet unforgettably dynamic.



## Philips Fidelio M2BT headphones

The Philips Fidelio M2BT's acoustically sealed cushions deliver every note and nuance just as the artist originally intended, while its controlled internal chamber eliminates sound leakage, even at higher volumes. High-powered 40mm neodymium drivers reproduce all the dynamics of your favorite music, delivering rich bass, natural mid-range and clear highs that make up Fidelio's meticulously engineered sound signature.

The Fidelio M2BT features seamless *Bluetooth*® 4.0 connectivity with high definition sound for music enjoyment anywhere. Indulge in superb comfort on the go, thanks to its lightweight yet robust construction and memory foam ear-pads with breathable materials that disperse pressure and heat build-up. The Fidelio M2BT is so comfortable to wear, you may forget that you have them on.

Two microphones, one for voice and another that measures ambient noise, adjust the sound for optimal call quality. You can switch easily between music and calls just by using the intuitive controls on the ear shell. NFC technology lets you wirelessly pair the M2BT with your music device with just a tap.

From its aluminum hinge system to internally integrated cables and a headband crafted with rib-woven fibers, every detail of the Fidelio M2BT is the result of our passion to bring you an unmistakable and unforgettable Fidelio sound experience – always.

# Philips Fidelio Audio

Today's consumers enjoy their large music collection freely and conveniently through wireless streaming. Whether using their portable devices or integrated sound systems, they demand superior sound quality, minus any hassles. When it comes to our Fidelio audio systems and listening experiences, there is simply no exception to 'exceptional'.





# Philips Fidelio sound towers

The stately Philips Fidelio sound towers is designed to create impact – in every sense of the word.

Its sleek and compact form factor delivers amazingly wide, room-filling and immersive sound. No more bulky separates and messy cables to fuss over or add clutter to your home. State-of-the-art technologies like *Bluetooth*® with aptX®, dual lightning and 30-pin docking, plus CD and tuner are included in the speakers' stylishly small footprint.

Our sound towers give you the best of both worlds: chic simplicity that complements any décor, and meticulously engineered sound quality – without compromise. Our sound engineers and designers selected wood as a key material for the design language. An ideal acoustic material, wood is unique in its ability to combine advanced acoustic performance with stylish authenticity. Its stiff properties reduce the vibrations that interfere with crystal clear sound reproduction, while its easily shapeable characteristics make it ideal for creating a striking form factor that would enhance any modern home.



## High fidelity floor standing speakers

Fidelio sound towers are impeccably crafted. The solid walls are finished with high-gloss piano lacquer and aluminum. Each cabinet is seamlessly treated from the inside, to create an optimal wave propagation environment for high fidelity audio production.

The floor-standing speakers are designed to deliver optimal acoustic volume for a rich yet pristine sound experience. They combine the mid-range accuracy of a traditional 2-way speaker form factor with dynamic bass extensions to support the lower end of the sonic spectrum, making them optimally tuned for exquisite music reproduction.

To push the innovation envelope further, we made sure that such amazing sound stays that way even when streamed across devices. *Bluetooth*® sound transmission is common in today's sound systems but is often criticized for enabling average sound quality. To achieve high fidelity wireless transmission, our engineers equipped the sound towers with aptX® wireless technology and AAC, understanding all too well that speaker performance is sometimes limited by the quality of the source. The codecs allow you to enjoy high quality music content on the latest smartphones, tablets and other devices.

While standard *Bluetooth*® audio uses SBC codec built for basic audio transmission, our sound towers rely on advanced aptX® codec to support the dynamically pristine yet powerful sound that Philips Fidelio consumers have come to appreciate and expect.



*“In terms of delivering quality sound, sound towers are the full package. No matter which of the many source options you choose, the music you hear captures all the emotion of the original performance.”*

*Matthew Dore, Sound & Acoustics Innovation Engineer*

# Philips Fidelio E2 wireless stereo speakers

The Philips Fidelio E2 wireless stereo speakers are specially designed for music lovers who demand great style and versatility, without any compromise on sound quality. The simple yet stunning E2 delivers high-fidelity wireless playback from smart devices as well as room-filling crystal clear sound from their home entertainment system.

In developing our Fidelio products, we keep our eye firmly on the goal of achieving astounding sound. To do this within the Fidelio E2's svelte frame, we used 19mm soft dome tweeters for clear and natural sound, and paired them with 4-inch woofers for dynamic, thudding bass. Every detail was carefully considered, right down to the specialized speaker cloth.



## Compact and refined design

Our speaker cloth selection process was an arduous one that went through many months, hundreds of samples and dozens of suppliers. The final chosen cloth is crafted using a specific 'knit and brush' technique, lending it a distinctly luxurious and qualitative feel that complements the Fidelio E2's stylish and elegant form.

The speaker cloth not only looks and feels plush but is also acoustically transparent, keeping sound from each speaker superbly natural and clear. Supporting these qualities are a host of advanced digital audio technologies engineered to enhance every detail of the listening experience. For example, Class-D amplifiers with built-in DAC provides highly efficient audio amplification, with compact SMPS (Switch-Mode-Power-Supply) powering the whole system. Our sound engineers put in place a complete digital architecture to efficiently deliver premium audio quality that Fidelio is renowned for.

These days, most consumers have a vast array of devices that could benefit from better sound. That is why the Fidelio E2 is thoughtfully packed with all the connectivity options any modern music lover would need: *Bluetooth*® connectivity with aptX® technology and AAC for CD quality wireless streaming from compatible devices, NFC (Near Field Communication) for simple *Bluetooth*® pairing, and HDMI (with ARC), Digital in, optical in and analog in for connecting TVs, PCs, game consoles and other devices. This wide variety of connection options is cleverly housed in the Fidelio E2's compact and refined wood-finished design that will tastefully enhance any home that it graces.

*“With our no-compromise approach to sound, design, and connectivity, we always face interesting challenges when creating Fidelio products.*

*Intense collaboration was required for the Fidelio E2, to finally select a speaker cloth that satisfied our demanding standards of both aesthetics and acoustics.”*

*Matthew Dore, Sound & Acoustics Innovation Engineer*

## Philips Fidelio SoundSphere wireless speakers

Philips Fidelio SoundSphere wireless speakers provide both high fidelity sound and hassle-free access to all your music from iTunes and Spotify. The speakers exemplify perfection – and our obsession with sound – through our constant striving for uncompromised excellence in acoustic engineering and exceptional craftsmanship.

The SoundSphere owes its stunning sound quality to the patented positioning of its tweeters and the woofer. We took great effort in selecting high quality components and materials as well as tuning the loudspeakers in extreme acoustic environments, to guarantee richly detailed and dynamic sound – in any circumstance.

The speaker features Airplay, which seamlessly plays music over your home Wi-Fi network from iTunes on Mac and PC, iPhone, iPad and iPod Touch. The Spotify Connect feature allows music to be selected on the Spotify app which is then streamed directly to the SoundSphere speakers from the cloud. Playback is not interrupted by other activities on the mobile device, and battery drain is minimized.

The SoundSphere's superb performance and striking design are the result of a 7-year research program by our audio experts. The speakers offer true audiophile performance and a unique Hi-Fi experience.



### Behind the creation

Since the first MCI900 in 2008 to our latest DS9830W, the Philips Fidelio SoundSphere range epitomizes constant evolution in sound innovation and design.

As testament to Philips' far-reaching vision, the newest creation is an incarnation of our earliest concept – SoundSphere in its purest form. Although each generation has seen enhancements in acoustic concepts and features, nothing has really changed. We are still delivering the most engaging listening experiences possible, fueled by our obsession with sound.

*“Fidelio SoundSphere speakers feature unique tweeters. Released from the traditional speaker boxes, the tweeters are free to deliver sound in all directions. The outcome is very natural sound, with a deeper and wider sound stage.”*

*Benoit Burette, Sound & Acoustics Innovation Engineer*



#### SoundSphere technology

Each SoundSphere speaker features a high-frequency transducer – the tweeter – precisely suspended outside the speaker box. The tweeter’s acoustic radiation is unimpeded by any physical structures, which enlarges the sweet spot for ideal listening. Its position is based on the acoustic principle that if a driver is mounted onto a large (and usually flat) front baffle, its directivity increases. Conversely, if the tweeter’s faceplate dimensions are minimized, the differences perceived in sound when the listener moves are smaller. This architecture transforms the tweeter, up to high frequencies, into a point source that emits spherical sound waves, which are essentially the holy grail of acoustics.

Cradling the tweeter below is the low-frequency transducer – or woofer – that is angled in a patented position. Together with rigorous crossover engineering, the interference between the transducers is minimized to ensure the delivery of distinctly natural sound.

One challenge was to define the best position for the tweeter in combination with the woofer, avoiding early reflections on the tweeter cabinet. Our solution was to make the tweeter cabinet and arm as thin as possible so it would be acoustically transparent to the woofer’s sound waves. The result is the delivery of finely balanced and highly detailed sound in any room.

## Philips Fidelio wireless portable speaker P9X

The Philips Fidelio P9X wireless portable speaker delivers perfectly on every Fidelio proposition, from its timeless durable design to its clear and immersive sound signature.

Conceptualized as a stretched mono block form factor that conveys understated sophistication, the speakers are designed to create a wide stereo soundstage indoors or outdoors. Finely crafted using real wood and premium

materials, including robust aircraft grade aluminum for the front grille, the Fidelio P9X's appeal lies in its stunning form that promises full functionality as well as wireless freedom. A stand at the back of each speaker allows you to customize your listening enjoyment simply by positioning the pair at different angles.



### Portable speaker sound technology

The Fidelio P9X is equipped with a total of eight high efficiency transducers: two high-power 2-inch woofers, 1 $\frac{3}{4}$ -inch soft dome tweeter and one large area passive radiator per channel. The use of soft dome tweeters ensures incredibly detailed and precise high frequencies, resulting in an immense spatial soundstage. The woofers and passive radiator technology work in combination to deliver vivid mid- and low-ranges, accompanied with deep and tight bass.

Our engineers also combined a high performance amplifier with the high efficiency transducers to create dynamic sound that comfortably retains its impact at all listening levels. Concurrently, an optimized crossover filter ensures that sound remains as natural as possible in different acoustic environments – from small rooms to open spaces, and from soft listening levels to maximum volume. Whatever your preferred music genre and volume levels, and wherever you choose to enjoy your music, the Fidelio P9X is engineered to exceed all expectations.

The Fidelio P9X also comes with the latest wireless technology so you can easily stream your music from your smartphone, tablet, laptop or other *Bluetooth*<sup>®</sup>-enabled device. With NFC technology for one-touch pairing with NFC-enabled devices, you can stream high quality music via *Bluetooth*<sup>®</sup> from the Fidelio P9x in an instant – anywhere.



*“When it comes to providing great sound from compact forms, there can be no compromise on component quality. Every element must be carefully tuned to work together to deliver on the Fidelio promise.”*

*Matthew Dore, Sound & Acoustics Innovation Engineer*

# Philips Fidelio Home cinema sound

The Philips Fidelio home cinema range brings movies to life in your living room by surrounding you with Crystal Clear Sound from every angle. It boasts premium Fidelio design credentials and combines integrated connectivity features with advanced technologies for best-in-class sound quality. The Surround on Demand features innovative design for discreet entertainment solutions to suit today's modern living spaces.



## Philips Fidelio B5 wireless surround soundbar speaker

The hit successes of our Fidelio soundbar HTL9100 and its sibling, the Fidelio E5 wireless surround cinema speakers, have paved the way for our newest Fidelio family member, the Fidelio B5 wireless surround soundbar speaker. Solidly rooted in our innovative Surround on Demand concept and combining true surround sound with unwired freedom and flexibility, our Fidelio B5 is the ultimate soundbar experience that will push the boundaries of sound enjoyment in the home beyond cutting edge.

As part of our pursuit of sound excellence, the Fidelio B5 features several sound innovations. Its main bar houses a larger 3-inch woofer with satellite speakers delivering lower distortion level and higher dynamic range. We also added a premium audiophile quality 'Ferro-Fluid' cooled soft dome tweeter crafted with premium audiophile quality materials, which imbues every sound detail with astounding clarity. Its sturdy but lightweight characteristics allow it to reproduce smoother and more natural high frequencies.



### Behind the creation

Fidelio Surround on Demand came about when we innovated a way to discreetly tuck two fully wireless battery powered speakers into a sleek soundbar design. Plus, the side speakers could be easily freed and transformed into powerful rear surround sound speakers.

This intriguing offering of versatility with real surround sound is further enhanced with our latest Fidelio B5 wireless surround soundbar speaker, taking freedom of enjoyment and uncompromised sound to a whole new level.

“Continuing Philips’ game-changing Surround on Demand concept, the Fidelio B5 automatically calibrates its surround speakers to your listening environment, immersing you in the sweetest spot – always. Plus, Bluetooth®-enabled speakers can be freed to use in any room, offering innovative versatility.”

Lee Kheng Wee, Sound & Acoustics Innovation Engineer



#### Spatial calibration for perfectly immersive sound

The Fidelio B5 is endowed with an advanced spatial calibration function developed by our Innovation Lab. This innovative feature further enhances the essence of Surround on Demand by detecting the listeners’ sitting zone and speakers’ placement and calibrating the surround speakers to deliver the best immersive surround experience, all this via the touch of a button.

Smart positional sensors in the speakers ensure delivery of a balanced sound field, wherever they are placed. A dedicated channel in each speaker delivers fully immersive and detailed surround sound – just like in the movies. Clear dialogue, an important attribute for cinema sound, is not compromised. Fidelio B5 uses a proprietary sound algorithm to extract dialogue content in the movies and faithfully reproduces them back to the soundbar speaker.

The Fidelio B5’s satellite speakers feature an independent Bluetooth® module with volume control function, making them truly independent, thus allowing greater control of your sound enjoyment wherever you want it. The wireless subwoofer also enables flexible placement anywhere in the room. Separate Bluetooth® pairing allows each speaker to deliver Fidelio quality sound wherever it’s placed. Whatever your mood or mode for entertainment, the Fidelio B5 lets you switch, mix and match for the best TV, music or movie experience in the comfort of your home.

With other systems, such versatility usually compromises on sound quality. However, our proven success with Fidelio Surround on Demand products, combined with our commitment to sound perfection, has added not just one but several new dimensions to the home cinema surround sound experience.



## Philips Fidelio E5 wireless surround cinema speakers

At Philips, we firmly believe that there is no tradeoff between aesthetics and acoustics; design plays a significant role in enhancing sound quality. As such, the Fidelio E5 perfectly integrates beautiful form, intuitive function and amazing sound. Its stunning square profile features soft edges, minimizing disturbance on the sound waves as they emanate from the speaker and radiate around the cabinet. Its refined profile also gains much more acoustic volume within its controlled dimensions.

Through close collaboration between design, acoustics and engineering, we ensured that the Fidelio E5's entire design – that is, its size, components and structure – delivers best-in-class listening experience while enhancing any home interior.

Essentially, the Fidelio E5 combines the finest qualities of a high performance music system with a state-of-the-art home cinema speaker set. It is an extension of our successful Surround on Demand concept, which was first introduced to the market as the Fidelio soundbar HTL9100.



### Surround on Demand technology

The Fidelio E5 lets you enjoy your favorite music in stereo mode, but when you want to watch a movie and have a real immersive experience, just undock the top parts of the speaker and place them anywhere behind you. This transformation to a rear surround channel gives you a true 5.1 surround sound experience without the clutter of cables and wires.

The top part of each speaker becomes a fully independent wireless speaker that reconfigures itself automatically so that any action comes dynamically to life, immersing you in the thrill of your favorite blockbuster.

When the speakers are reconnected and in stereo mode, they automatically readjust and deliver full volume power for high fidelity sound. When having a party, just detach the speakers and position them at different corners of the room to spread the sound evenly throughout the space. The subwoofer makes use of a down-firing driver to form a tower shape that minimizes the footprint without compromising on sound performance.

Authentic leather handles on top of the satellite speakers make them easy to grip and move around. The spring-loaded mechanism under the handle can be retracted, leaving the design clean and seamless. When you put the satellite speakers back, there are subtle metal guides to help you along.

*“Fidelio Surround on Demand represents a breakthrough in surround sound. Users want choice and the Fidelio E5 gives them flexibility to enjoy superior audio and surround sound, when and how they want it in their living space.”*

*Lee Kheng Wee, Sound & Acoustics Innovation Engineer*



## Philips Fidelio XS1 SoundStage speaker

Inspired by the growing demand for a below-the-TV sound system, we developed the Fidelio XS1 SoundStage speaker, which – as its name suggests – creates an impressive stage for truly immersive sound from a super slim and elegant design.

The beauty of the Fidelio XS1 lies in its simplicity, which is backed by a rich heritage in sound innovation and design. A total of six custom designed slim speakers fills up the front and sides of this Fidelio XS1. This sleek 5.1 system is powered by proprietary Class D amplifiers and an advanced

high definition quality DSP. Fidelio XS1 offers the most versatile sound configuration in this soundstage market segment. With its dedicated center speakers, the Fidelio XS1 promises to enhance voice clarity to cinema-quality level. The side speakers are precisely angled at ninety degrees and positioned vertically to the front speaker. This, combined with post-processing surround sound algorithms, delivers superb spatial effect while enlarging the sound stage for a full and dynamic cinematic experience around the TV.

### Immersive sound from a slim design

This slim beauty measures just 40mm in height, with a sleek glass top on which the TV sits – transforming it into a pure work of art. The metal grille wraps around the front, lending a distinct style edge that will spruce up any TV design and home décor. Our designers carefully selected authentic materials, reflecting Fidelio’s design language as well as its sound signature.

Enjoying your favorite movies and music has never been easier. Smart features like HDMI input, *Bluetooth*® aptX® and NFC, transforms the Fidelio XS1 into a total home entertainment system. We designed its similarly style-matched 220W subwoofer with a slim form factor and packed it with two 6.5-inch drivers and a double bass port to deliver powerful and deep sound. With its sleek profile and stand, the subwoofer is designed for clutter- and hassle-free flexibility, allowing you to place it anywhere in the room – near or behind the TV or sofa, or even below the sofa.

Designed as the perfect companion to your TV and an ideal style fit for any home, the Fidelio XS1 is superbly easy to set up. Just place your TV on top of the system, connect a single cable, and you are now all set for a powerful and dynamic sound experience.



*“Beauty fronts innovation in the Fidelio XS1 with its bevy of elegantly compact loudspeakers featuring dedicated channels that deliver superior voice clarity and full surround sound with unlimited dynamic range. Hear and see it to believe it!”*

*Lee Kheng Wee, Sound & Acoustics Innovation Engineer*

## Philips Fidelio SoundSphere DesignLine

Fidelio SoundSphere DesignLine is a Philips flagship home cinema speaker system designed to provide a pure sound experience for consumers. This entails having the perfect balance between performance and style, with well-defined acoustic properties – all beautifully packaged in a distinctive design. Three key elements that set the Fidelio SoundSphere DesignLine apart are its timeless design; honesty and authenticity of its selected materials – like real wood, metals and finishing, and the premium quality and harmony of all its composite forms and fine details.

The chrome finishing used for the neck allows the product to blend perfectly with any interior design. Contrast this with the black speaker grille that greatly emphasizes the floating tweeter, which is what gives the SoundSphere its unique design character. In fact, the speakers are designed to look stunning from every angle.

The design and acoustics engineering are explicitly linked. Its elegantly rounded form is not just the result of design, it actually serves to enhance sound performance. Without any straight surfaces, it radiates all the sound waves evenly around the speaker to reproduce better audio signals and a far superior sound enjoyment experience. The selection of genuine wood for the cabinet and metal for the tweeter housing – both inert materials, which are dense and solid – makes for good sound dampening. This removes any coloration in sound reproduction, so the listener can appreciate clear yet natural audio.

### SoundSphere DesignLine technology

Fidelio SoundSphere DesignLine was conceived to closely recreate the acoustic holy grail of a point source: a theoretical ideal speaker that generates all frequencies from a single position in space.

Its tweeters are strategically positioned 1.1 meters above the floor, which is the optimal seated ear level. The 6.5" subwoofer is encased in a conical sphere, producing tight and powerful bass. Precise audio crossover engineering and careful positioning of the tweeter and subwoofer greatly minimizes interference.

The free-floating dedicated tweeters above the speaker box deliver truly natural, deep and wide sound image. Sound is allowed to radiate more freely and effectively in a room without possible interferences from the speaker box and between the speaker drivers.

SoundSphere DesignLine creates a wider and deeper soundstage from non-directional sound waves radiating in free space. Its immersive sound possesses exceptional three-dimensional quality, so that every instrument can be clearly discerned. SoundSphere technology also sends off sound waves freely, which fills the room with life-like acoustics, generating a much wider sweet spot than regular speaker boxes. You can enjoy natural three-dimensional sound no matter where you sit in the room.

The SoundSphere DesignLine experience is marked by unprecedented high-definition sound with detailed bass, uncolored midrange, clean highs and believable vocals – exactly how music should sound as if it was performed live right in front of you.



*“Fidelio SoundSphere DesignLine dares to be different. Its technological breakthroughs allow it to deliver sound like a single source while creating a wide and deep soundstage. It is certain to make a statement.”*

*Lee Kheng Wee, Sound & Acoustics Innovation Engineer*

# Awards and recognition

We believe that good design must meet consumer needs and also enrich lives. Yearly, we win prestigious awards and accolades for our efforts – from product design and sound quality to technical innovation and environmental sustainability. Recognition motivates us to excel; but really, striving for perfection is already in our DNA.



## iF Awards

### 2014

Fidelio E5 wireless surround cinema speakers CSS7235  
Fidelio headphones L2  
Fidelio P9X wireless portable speaker P9XBK  
Fidelio P8 wireless portable speaker P8BK  
Fidelio headphones S2  
BR-1X wireless portable speaker SB5200  
In.Sight wireless home monitor M120  
MIX-DJ DJ sound system DS8900  
DOT splash proof wireless portable speaker SB2000B

### 2013

Fidelio A9 wireless Hi-Fi speakers AW9000  
Fidelio A5 wireless Hi-Fi speaker AW5000  
Fidelio A3 wireless Hi-Fi speaker AW3000  
Fidelio headphones M1  
SoundShooter wireless portable speaker SBT30  
Soundbar home cinema speakers CSS5123  
SHOQBOX wireless portable speaker SB7220  
InRange *Bluetooth*® smart leash AEA1000  
Blu-ray player BDP9700

### 2012

Fidelio SoundCurve wireless speaker DS8800W  
ESee HD camcorder CAM300  
Soundbar home theater HTS7111  
Hi-Fi headphones SHP8000



## reddot award

## Red Dot Awards

### 2014

Fidelio E5 wireless surround cinema speakers CSS7235  
Fidelio headphones L2  
Fidelio *Bluetooth*® headphones M1BTBL  
Fidelio P9X wireless portable speaker P9XBK  
Fidelio P8 wireless portable speaker P8BK  
BR-1X wireless portable speaker SB5100/ 5200

Hi-Fi Stereo headphones SHP9500  
MIX-DJ DJ sound system DS8900  
SoundStage Blu-ray home theatre HTB4150B  
SoundStage speaker HTL4110B  
DOT wireless portable speaker SB2000  
WeCall *Bluetooth*® conference speaker AEC57000

### 2013

Fidelio A9 wireless Hi-Fi speakers AW9000  
Fidelio wireless Hi-Fi speakers A3000 / A5000  
Fidelio M1 headphones  
Fidelio X1 headphones  
Mira cordless design phone M550



The Fidelio M1 headphones won the coveted iF and Red Dot awards in 2013.



## CES Awards

### 2014

Fidelio E5 wireless surround cinema speakers CSS7235  
 Fidelio E2 wireless studio speakers BTS7000  
 Fidelio Bluetooth® headphones M1BTBL  
 Blu-ray TV base speaker HTB3525B  
 BR-1X wireless portable speaker SB5200  
 WeCall Bluetooth® conference speaker AECS7000

### 2013

Fidelio A3 wireless Hi-Fi speaker AW3000  
 Fidelio SoundBar speaker HTL9100  
 SHOQBOX wireless portable speaker SB7220  
 Party machine FWP3200D  
 Soundbar speaker HTL2160  
 The CRASH headphones SHO9207  
 ActionFit headphones SHQ5200  
 In.Sight wireless baby monitor B120

### 2012

Fidelio SoundRing wireless speaker DS3881  
 GoGEAR Connect3 SA3CNT  
 In-car dual-screen display for iPhone PV7000i



Fidelio E5 was awarded EISA Home Theater Innovation of the year 2014 – 2015



## EISA Awards

### 2014-2015

European HT Innovation  
 Fidelio E5

### 2013-2014

European HT Innovation  
 Fidelio HTL9100

### 2012-2013

Wireless Speakers  
 Fidelio A9

# The journey continues

Philips continues to set new innovation standards with our Fidelio range, delivering the best sound performance through distinctive design and intuitive experiences. These values underpin everything we do and every product we create.

From headphones, wireless or wired audio to home cinema or portable speakers, each product delivers Fidelio's unmistakable 'live' listening experience. From our Golden Ears to yours, we hope you are as delighted as we have been in bringing sound perfection to reality.



## Philips Golden Ears challenge

This year, we bring our Golden Ears challenge online. This online challenge contains the essential elements of our professional Golden Ears training program. There are four difficulty levels: Basic, Bronze, Silver and ultimately, Golden Ears. Each level is divided into short challenges that are designed to develop and test your listening skills. We know that we are not alone in this obsession with sound, which is why we are inviting you to take our Golden Ears challenge. Join us at [www.goldenears.philips.com](http://www.goldenears.philips.com).



For inquiries, please contact:  
Irene Wong  
WOOX Innovations Limited  
[irene.wong@philips.com](mailto:irene.wong@philips.com)

