

Speaker

Blade Two



Features

For a lifetime of listening pleasure

Where space is at a premium Blade Two offers all of the acoustic prowess and iconic design of BLADE on a slightly smaller scale.

Blade Two. Same DNA. Same striking aesthetic. Same advanced driver technology and unique single apparent source configuration. And above all, the same open, phenomenally realistic sound.

Single apparent source

Like listening to one voice rather than many, sound from a single source is inherently clearer. Not only are the acoustic centres of the HF and MF drivers in the Blade & Blade Two Uni-Q array coincident, but the four LF drivers, (225mm/9-in. for Blade, or 165mm/6.5-in. for Blade Two) are mounted symmetrically equidistant from it so that their acoustic centres occupy exactly the same point in space.

This single apparent source configuration is what makes the Blade & Blade Two so gratifyingly coherent across the frequency range, with noticeably more precise imaging than is possible from any conventional speaker.

What you hear sounds as if it's being performed live right in front of you.

Discrete bass chambers

The twinned pairs of bass drivers are mounted in discrete chambers separated by an internal partition. By increasing the frequency of any internal standing waves to way beyond the crossover point, this reduces the need for damping material (which can otherwise impair bass quality). Nothing has been overlooked in the quest for the ultimate clarity, right across the frequency range.

Force cancelling

To avoid dissipating the energy of such potent bass drivers in exciting the cabinet (and thereby generating resonance, especially at high volume), the large kinetic forces involved are cancelled out by mounting the LF drivers rigidly together, back-to-back.

By minimising cabinet colouration, this highly effective configuration partly accounts for the Blade & Blade Two's natural-sounding and engagingly musical performance.

Attention to detail

With speakers as ambitious as the Blade & Blade Two, short cuts are out of the question. Everything has to be as right as it can possibly be.

Terminals & terminal links

Two pairs of the finest audiophile quality WBT connectors allow bi-wiring or bi-amping to optimise the retrieval of low level detail in the music.

Low order crossovers

The simple low order crossovers specified for both Blade & Blade Two employ the best components available, carefully selected by a rigorous auditioning process so that every part of the signal path is fine-tuned for maximum clarity.

Hard wiring

The patented screw-in linking plugs are to full audiophile specification (as well as simplifying set-up by eliminating fiddly wiring links). All the crossover components are individually wired by hand rather than mounted on a conventional printed circuit board. As well as being more environment-friendly, this optimises both reliability and sound quality by assuring the cleanest possible signal transmission.

Reference 1



Features

Uni-Q Driver Array

At the heart of The Reference is a stunning new iteration of KEF's landmark innovation: the Uni-Q point source MF/HF driver array. With a state-of-the-art 25mm (1in.) vented aluminium dome tweeter at the exact acoustic center of a highly sophisticated 125mm (5in.) mid range driver, both act as a single source that floods the listening space evenly with a flawless natural sound field, no matter where you sit. Capturing all the nuances of the human voice, whether whispered, spoken or sung, it sounds as if the person were right there with you in the room. All the jaw-dropping performance and innovative engineering pioneered for the critically acclaimed LS50 studio monitor, and then some. Reference 1 pairs KEF's latest 125mm (5 inch) MF/HF Uni-Q driver array with the sensational new 165mm (6.5 inch) alloy cone bass driver to create a compellingly realistic sound stage out of all proportion to its size. Mounted on shelves or stands, Uni-Q's inherently wide, even dispersion also makes it the perfect rear channel speaker in a home theater system that effortlessly reveals all the subtleties encoded in modern soundtracks.

Bass Driver

Clean, rich and articulate bass grounds your enjoyment of stereo or multi-channel sound, and like everything else about The Reference, KEF's new 165mm (6.5 inch) LF driver is in a class apart. With a massive vented magnet assembly and a large aluminium wire voice coil driving an exceptionally light, stiff and strong alloy cone, the dynamics and power handling are superb. Played loud or soft, in delicate passages or for full-on bass effects, the combination of advanced materials and clever engineering delivers deeply rewarding lows that blend seamlessly with Uni-Q's immaculate mid range and treble response.

Cabinet Design

The Reference drivers are set in a smooth, strikingly distinctive front baffle engineered to eliminate response anomalies caused by diffraction. Made from an exceptionally strong laminated aluminium/resin composite and secured via high-loss pads and high tensile bolts, it adds tremendous rigidity to the inert cabinet. Finished by hand in pair-matched wood veneers to complement the composite front baffle, the shape and bracing geometry of the cabinets are computer-optimized to minimize secondary radiation from the cabinet walls and distortion from standing waves. With constrained layer damping to absorb residual vibrations, they're engineered to eliminate any panel resonance, stray reflections or box coloration effects that would compromise the purity of the sound.

Flexible Port Technology

The flexible port technology pioneered for the multi-award winning LS50 is used to reduce mid range port resonance, with the flare and profile of each port calculated by computational fluid dynamics to avoid turbulent air noise that might color the sound.

The Reference has innovative adjustable ports for fine-tuning the bass output to your personal taste and the room characteristics providing the ultimate flexibility for any room.

Crossover Design

KEF engineers computer-modeled the ideal crossover networks before exhaustively auditioning every high grade component, individually and together, to select those with the lowest distortion and the smoothest response. Perfectionism takes time, but the difference is plain to hear. Nothing is overlooked – Reference crossovers are even mounted on separate boards and decoupled from the cabinet walls to minimize vibration and crosstalk.

Heos 7



Features

Bigger is better when it's time to party.

Ideal for large rooms and open areas such as living rooms, patios, or open-floor-plan homes.

This large speaker is top of the line, for those who demand the best, biggest, loudest. It plays cloud music, music stored on your phone or tablet, plus USB sources, too. Now you can even listen to your favorite Bluetooth® enabled sources on your HEOS system. Sounds like a party already, doesn't it?

Sculpted to project prodigious performance, the HEOS 7 is beautifully finished with rich genuine materials, including a brushed metallic apex. It also features a crafted blend of five custom drivers, two passive radiators, five Class D amplifiers, all of which are controlled with state-of-the-art digital signal processing.

Created for those who demand the very best, HEOS 7 delivers room-filling sound even in large, open spaces.

The stylish and elegant enclosure is packed with advanced technologies, including dual mid-woofers, dual precision tweeters, an active subwoofer, dual passive radiators and the active drivers are powered by five Class D digital amplifiers. Sound is optimised via a suite of precision DSP acoustical processing algorithms that originated in the recording studio.

- NEW High Resolution Audio Support
- NEW Bluetooth® integrated
- Refined cabinet design with genuine brushed metal accents.
- Amazing volume output capability fills even larger spaces with true high fidelity sound.
- FREE HEOS app.
- Stream from your favourite music service such as Spotify, Deezer, TuneIn or Napster.
- Stream music stored locally on your iOS, Android, or Kindle Fire smartphone or tablet.

FXiA4



Features

Full Fidelity and High Performance

The F/XiA4's engine is the dual Dynamic Balance® 1-inch dome tweeter design and a 5 1/4-inch Dynamic Balance driver that produces believable real-life effects at prodigious volumes. The selectable bipole/dipole function allows you to configure it to your space and 7.1 systems. The smaller cabinet enables it to fit in more places.

Key Features

- The trapezoidal shaped cabinets aim the drivers and tweeters in opposing directions to produce a more realistically diffuse wavefront and wide, lifelike imaging of surround sound. Keyhole slots make mounting a snap.
- With the flip of a switch, our dipole/bipole circuitry changes the soundfield from direct to indirect radiation patterns enabling you to place the surround speaker beside or behind you depending on your listening room setup.
- Klippel motor optimization uses laser measurement technology to ensure a smooth excursion path at either end of the volume spectrum for uniform performance at both low and high volumes.
- Polk's proprietary, patented Dynamic Balance technology allows our engineers to design out distortion-causing driver and system resonances, so you only hear the good sounds.
- Durable, computer-modeled, injection-molded butyl rubber surrounds suppress unwanted cone resonances for a lifetime of reliable sound.
- The F/XiA Cascade Tapered Crossover eliminates the comb filtering and beaming, common to multi-driver speakers, which degrades the quality of the audio and collapses the soundstage.

Atrium8 SDI



Features

Flagship All Weather Loudspeaker

Single/Dual input switch and dual tweeter array that lets you work the speaker as a single high/performance stereo loudspeaker, or L/R speaker in a high performance stereo pair. It's time to get that indoor sound you love – all from an outdoor loudspeaker you can put anywhere around your home.

The flagship of the line, the Atrium 8 SDI has a unique, patented single/dual input switch that, combined with its ingenious dual tweeter array, enables you to use it as either a single high performance stereo loudspeaker, or the left-or-right speaker in a high performance stereo pair. And you can use it practically anywhere, because the Atrium 8 SDI also has special US military spec waterproofing features, including our patented water-resistant PowerPort® bass venting.

Atrium 8 SDI Features

51cm long-throw aerated polypropylene cone driver with butyl rubber surround pumps out surprising bass response from a compact design.

5mm anodised aluminium dome tweeters with rubber surrounds and neodymium magnets offer better power handling, smoother response and greater accuracy. Dual tweeter array with stereo tweeter aiming creates excellent imaging, whether used as a single stereo speaker, or as half of a stereo pair.

Patented water-resistant PowerPort bass venting efficiently adds 3dB of big, realistic, musical bass output. And because it's Polk all-weather certified water-resistant, it can go practically anywhere with no worries about moisture impeding its performance.

Dual voice coil, Dynamic Balance® aerated polypropylene cone with rubber surround for greater power handling and better efficiency.

Single/dual input switch. Combined with its ingenious dual tweeter array, this switch enables the Atrium 8 SDI to be used either as a single high-performance stereo loudspeaker, or the left-or-right speaker in a high performance stereo pair.

Broad coverage made possible by a more steeply-angled baffle design that maximises critical mid- and high-frequency dispersion over a large area, without sacrificing the detail.

Durable, mineral-filled polypropylene cabinet design, with moulded-in bracing, sounds like a real speaker (not an “outdoor speaker”), and survives years of seasonal changes, for truly great sound, no matter what the weather.

Patented Dynamic Balance and Klippel optimisation technologies ensure the perfect material performance, eliminating driver and tweeter “artifacts” for more realistic sound reproduction at high and low volume levels.

Polk all-weather certified Atrium Series speakers exceed US baseline industrial and military specifications for environmental endurance (ASTM D5894-UV Salt Fog, Mil Standard 810 Immersion, Mil-Std 883 Method 1009.8 for salt and corrosion.) This certification means Atrium speakers can effortlessly withstand the worst weather that nature can dish out, whether it's extreme temperatures or heavy rains. Aluminium grilles and bracket, with stainless steel and brass hardware: No rust. Ever.

Gold plated 5-way binding posts for the most secure, efficient hookups.

Available in durable, weatherproof black or white paintable finishes.

All Polk products are made using the best materials and the most advanced manufacturing techniques. They pass the industry's most exhaustive quality tests, including drop testing, extreme signal response and UV & salt exposure testing. Polk loudspeakers are built to perform for a lifetime.