

KEF
INNOVATORS IN SOUND



KHT Series



welcome to total home entertainment

Innovative, award-winning design and outstanding sound quality

As George Lucas once said, "sound and music are 50% of the entertainment in a movie", so it makes sense to have the best possible surround sound speaker system. But how do you choose the right one?

The opinion of experts is a good place to start. On that score, KEF ranks with world's finest - KEF is one of the most respected brands in high end sound reproduction, with a reputation built on 50 years of raising audiophile standards of performance. By bringing this acoustic integrity to surround sound, our groundbreaking KHT (KEF Home Theatre) Series has accumulated dozens of 5-star ratings and prestigious independent awards.

Technology leadership is another factor – and with an unrivalled record of design innovation, KEF arguably leads the industry. And for ultimate performance, the KHT range also

gives you the flexibility to create your own 7.1, 9.2 or 11.2 system.

Most important of all, you need to experience the sound. All KEF's advanced technologies are geared to a single purpose: to flood the room with a spatially accurate three-dimensional sound picture that has the emotional power of being physically present at the gig, in the studio or amidst the action on screen.

With KEF's Uni-Q® driver array, radically innovative technologies like Acoustic Compliance Enhancement, state-of-the-art Wireless capabilities and a range of different styles and configurations to choose from, it's just a question of deciding which one best suits your room and budget.



unique KEF technologies

KHT systems outperform conventional equivalents because they're packed with sophisticated, precision-engineered components found nowhere else. This is truer today than ever before, with a host of subtle refinements, even higher specifications and ingenious new features for greater convenience and ease of use. Although each has its own distinctive look, every KHT system is engineered with acoustically inert enclosures, and they're all magnetically shielded to avoid interference with your other equipment.

Uni-Q MF/HF driver array

With the tweeter at the exact acoustic centre of the midrange cone, both drivers perform as a single point source that disperses the sonic image across a much wider area than the conventional 'sweet spot' to immerse everyone in the same compellingly realistic and highly detailed soundscape, wherever they sit.

'Tangerine' waveguide

As well as protecting the tweeter dome, KEF's unique segmented waveguide further enhances Uni-Q's inherently wide dispersion characteristics to spread the soundfield evenly throughout the room.

Wireless

Typical wireless systems use just one frequency or channel to transmit the radio signal. KEF's revolutionary new transmission technologies constantly monitor and adjust for interference ensuring high-quality wireless sound all the time.

Sealed Suspension™ Technology

By sealing the gap between the tweeter and the moving midrange cone, this patented KEF technology dramatically improves sound quality at higher volumes.

Selecta-mount™

All KHT systems are designed for ease of use as well as acoustic excellence, and Selecta-mount is KEF's ingenious system of concealed brackets that simplifies wall mounting.

Bass Extender™

Exploiting the additional volume of the hollow reflex-ported floor stand, KEF's Bass Extender technology boosts bass output further still.

Smart Bass™

With the simplicity of 'plug & play' architecture, Smart Bass automatically integrates the subwoofer and satellite speakers without fiddly adjustments.

Acoustic Compliance Enhancement

By incorporating highly adsorbent granules of activated carbon inside the speaker, ACE reduces resistance to backward movements of the bass cone. This increases the effective output of the LF driver so dramatically that the speaker performs the same as a unit twice the size.





KHT Series

1000 Series



KHT1505

Compact, affordable and accurate 5.1 surround sound

Styled to match your flat screen TV KHT 1505 is one of the most wallet-friendly ways to enjoy quality 5.1 sound reproduction of startling clarity and realism. As each centre and satellite speaker combines KEF's sophisticated 0.75-inch (19mm) tweeter and two matching 2-inch (50mm) bass drivers, you can use the system with virtually any amp.

The satellites are simple to mount on the wall (horizontally or vertically), and optional floor stands allow you to position the speakers wherever you wish. The subwoofer has a 200W Class D amplifier and an impressive 8-inch (200mm) bass driver to add depth, drama and texture to the sound image. The centre and satellite speakers are finished in a sleek high gloss black, and the sub in classic black ash veneer.

	KHT1505 Satellites	Subwoofer C4
Design	Two-way closed-box	Powered Subwoofer
Drive units	1x 19mm (0.75in.) aluminium HF 2x 50mm (2in.) LF unit	1x 200mm (8in.) LF unit
Frequency response (±3dB)	120Hz - 22kHz	29Hz - 140Hz
Crossover frequency	2.8kHz	N/A
Power handling	10 - 100W	N/A
Amplifier	N/A	200W built-in Class-D
Sensitivity (2.83V/1m)	85dB	N/A
Maximum output (SPL)	106dB	108dB
Nominal impedance	8Ω	N/A
Magnetic shielding	Yes	Yes
Internal volume	0.5 litres	19.7 litres
Weight	0.5kg (1.1lbs)	12.2kg (27lbs)
Dimensions (H x W x D)	198 x 81 x 61mm (7.7 x 3.1 x 2.4in.)	345 x 320 x 377mm (13.6 x 12.6 x 14.9in.)
Finishes	High gloss black	Classic black ash
Optional accessories	Floorstand	N/A

2000 Series



KHT2005.3

Step up to 5.1 with Uni-Q - the iconic KEF 'eggs'

Sheer acoustic excellence is what accounts for the huge success of KEF's multi-award-winning 'egg' system. With cast aluminium enclosures shaped to eliminate cabinet distortions, and the centre and satellites all featuring the same formidable Uni-Q MF/HF driver array, the room floods with lush, superbly defined 3D sound.

Like all KHT subwoofers, the matching KUBE-2 has a Bass Boost function that adds even more 'slam' to film sound effects, and phase, frequency and level controls allow you to perfectly balance the satellites for your room acoustics. An ingenious multi-directional base makes it easy to place each satellite wherever it suits you: on a flat surface, angled on walls, or on the optional floor stands. Classic high gloss black finish.



		HTS2001.3/HTC2001.3	KUBE-2
Design		Two-way bass reflex. Satellite/Centre	Powered Subwoofer
Drive units		100mm (4in.) Uni-Q array with 19mm (0.75in.) aluminium HF	1x 250mm (10in.) + 1x 250mm (10in.) ABR
Frequency response (±3dB)		80Hz - 27kHz	35Hz - 150Hz
Crossover frequency		3kHz	N/A
Power handling		100W	N/A
Amplifier		N/A	200W built-in Class-D
Sensitivity (2.83V/1m)		88dB	N/A
Maximum output (SPL)		104dB	112dB
Nominal impedance		8Ω	N/A
Magnetic shielding		Yes	N/A
Internal volume		1.5 litres	23.0 litres
Weight		2.0kg (4.4lbs)	12kg (26.5lbs)
Dimensions	Satellite	228 x 130 x 150 mm (9.0 x 5.1 x 5.9 in.)	335 x 330 x 330 mm (13.2 x 13.0 x 13.0 in.)
	Centre	162 x 190 x 150 mm (6.4 x 7.5 x 5.9 in.)	
Finishes		High gloss black	Black with gloss upper surface
Optional accessories		Floorstand	N/A

3000 Series



KHT3005SE

The ultimate Uni-Q 'egg' system

A system that really does justice to the original material, loud or soft, energetic or lyrical, the KHT3005 is the latest iteration of a multiple award-winning design, with larger enclosures and a superlative new centre speaker. Re-engineered for even cleaner, smoother response,

the 4.5-inch (115mm) Uni-Q MF/HF array now has KEF's 'tangerine' waveguide to disperse higher frequencies more evenly, and Sealed Suspension Technology™ to optimise sound quality at higher volumes.

In the three-way centre channel, this Uni-Q array is flanked by two 3-inch (75mm) LF drivers to deliver fuller, more articulate bass. And with KEF's matching HTB2SE powered sub (or the HTB2SE-W wireless version), you'll discover nuances you hadn't noticed before, and with

movies, you'll be swept away. Available in high gloss white and black finishes.



	HTS3001SE Satellite	HTS3001SE Centre	HTB2SE Subwoofer
Design	Two-way bass reflex	Three-way closed-box	Powered Subwoofer with passive radiator
Drive units	115mm (4.5in.) Uni-Q array with 19mm (0.75in.) aluminium HF	115mm (4.5in.) Uni-Q array with 19mm (0.75in.) aluminium HF 2 x 75mm (3in.) LF	1 x 250mm (10in.) + 1 x 250mm (10in.) ABR
Frequency response (±3dB)	70Hz - 55kHz	65Hz - 55kHz	30Hz - 150Hz
Crossover frequency	2.2kHz	500Hz, 2.2kHz	N/A
Power handling	100W	100W	N/A
Amplifier	N/A	N/A	250W built-in Class-D
Sensitivity (2.83V/1m)	88dB	90dB	N/A
Maximum output (SPL)	108dB	110dB	110dB
Nominal impedance	8Ω	8Ω	N/A
Magnetic shielding	Yes	Yes	Yes
Internal volume	1.8 litres	2.4 litres	15.0 litres
Weight	2.0kg (4.5lbs)	2.6kg (5.8lbs)	11.3kg (24.9lbs)
Dimensions (H x W x D)	245 x 125 x 150 mm (9.6 x 4.9 x 5.9 in.)	130 x 300 x 185 mm (5.1 x 11.8 x 7.3 in.)	390 x 440 x 195 mm (15.4 x 17.3 x 7.7 in.)(vertical) 227 x 440 x 385 mm (8.9 x 17.3 x 15.2 in.)(horizontal)
Finishes	High gloss black, high gloss white	High gloss black, high gloss white	High gloss black, high gloss white
Optional accessories	Floorstand	N/A	N/A

*Not all KHT models or finishes are available in all markets. Contact your local dealer for specific range details.

KHT Series

KHT Accessories / Wireless System

Seismic bass effects and uniquely distinctive design



HTB2SE / HTB2SE-W



The HTB2SE completes the sound image with electrifying bass effects that retain all the clarity and definition of the original. With a 250W Class-D amp powering a 10-inch (250mm) bass driver and matching radiator, it plays loud and true, vertically or horizontally – and

with KEF's SmartBass™, it's easy to set up. Whether you're upgrading to 5.2 or simply adding more sub-bass, it adds another dimension to your enjoyment.

	HTB2SE Subwoofer	HTB2SE -W Subwoofer
Design	Powered Subwoofer with passive radiator	Powered Subwoofer with passive radiator
Drive units	1 x 250mm (10in.) + 1 x 250mm (10in.) ABR	1 x 250mm (10in.) + 1 x 250mm (10in.) ABR
Frequency response (±3dB)	30Hz - 150Hz	30Hz - 150Hz
Frequency Band	N/A	2.4-2.4835GHz (ISM Band)
Data Rate	N/A	Up to 1.1Mbps
Amplifier	250W built-in Class-D	250W built-in Class-D
Sensitivity (2.83V/1m)	N/A	N/A
Maximum output (SPL)	110dB	110dB
Transmission Protocol	N/A	AAFHSS
Magnetic shielding	Yes	Yes
Internal volume	15.0 litres	15.0 litres
Weight	11.3kg (24.9lbs)	11.9kg (26.2lbs)
Dimensions (H x W x D)	390 x 440 x 195 mm (vertical) (15.4 x 17.3 x 7.7 in.) 227 x 440 x 385 mm (horizontal) (8.9 x 17.3 x 15.2 in.)	390 x 440 x 195 mm (vertical) (15.4 x 17.3 x 7.7 in.) 227 x 440 x 385 mm (horizontal) (8.9 x 17.3 x 15.2 in.)
Finishes	High gloss black, high gloss white	High gloss black, high gloss white
Range	N/A	25m (27.3yds) Typical maximum*
Transmitter Module Dimensions (H x W x D)	N/A	147 x 79 x 79 mm (5.8 x 3.1 x 3.1 in.)

*Environmental factors such as building materials and construction may adversely affect wireless signal range.
•Not all KHT models or finishes are available in all markets. Contact your local dealer for specific range details.



Universal Wireless System



The wireless HTB2SE-W version uses KEF's revolutionary radio frequency link to maintain flawless CD quality transmission. This allows any speaker to operate wirelessly simply by connecting a receiver to each one and a small transmitter to your amp, for complete freedom of

positioning without the clutter of cables or compromising on sound quality. No mutes, dropouts, loss of bonding or interference – just the exceptional clarity you expect from KEF.

	Universal Wireless System
Design	N/A
Drive units	N/A
Frequency response (±3dB)	20Hz - 20kHz
Frequency Band	2.4 - 2.4835GHz (ISM band)
Data Rate	Up to 1.1Mbps
Amplifier	2 x 50W digital amplifiers
Sensitivity (2.83V/1m)	80dB typical
Maximum output (SPL)	N/A
Transmission Protocol	AAFHSS
Magnetic shielding	N/A
Internal volume	-
Weight	-
Dimensions (H x W x D)	Receiver Module Dimensions 147 x 79 x 79 mm (5.8 x 3.1 x 3.1 in.)
Finishes	High gloss black
Range	25m (27.3 yards) Typical Maximum*
Transmitter Module Dimensions (H x W x D)	147 x 79 x 79 mm (5.8 x 3.1 x 3.1 in.)

Eliminate trailing AV wires enjoy interference-free, CD quality audio

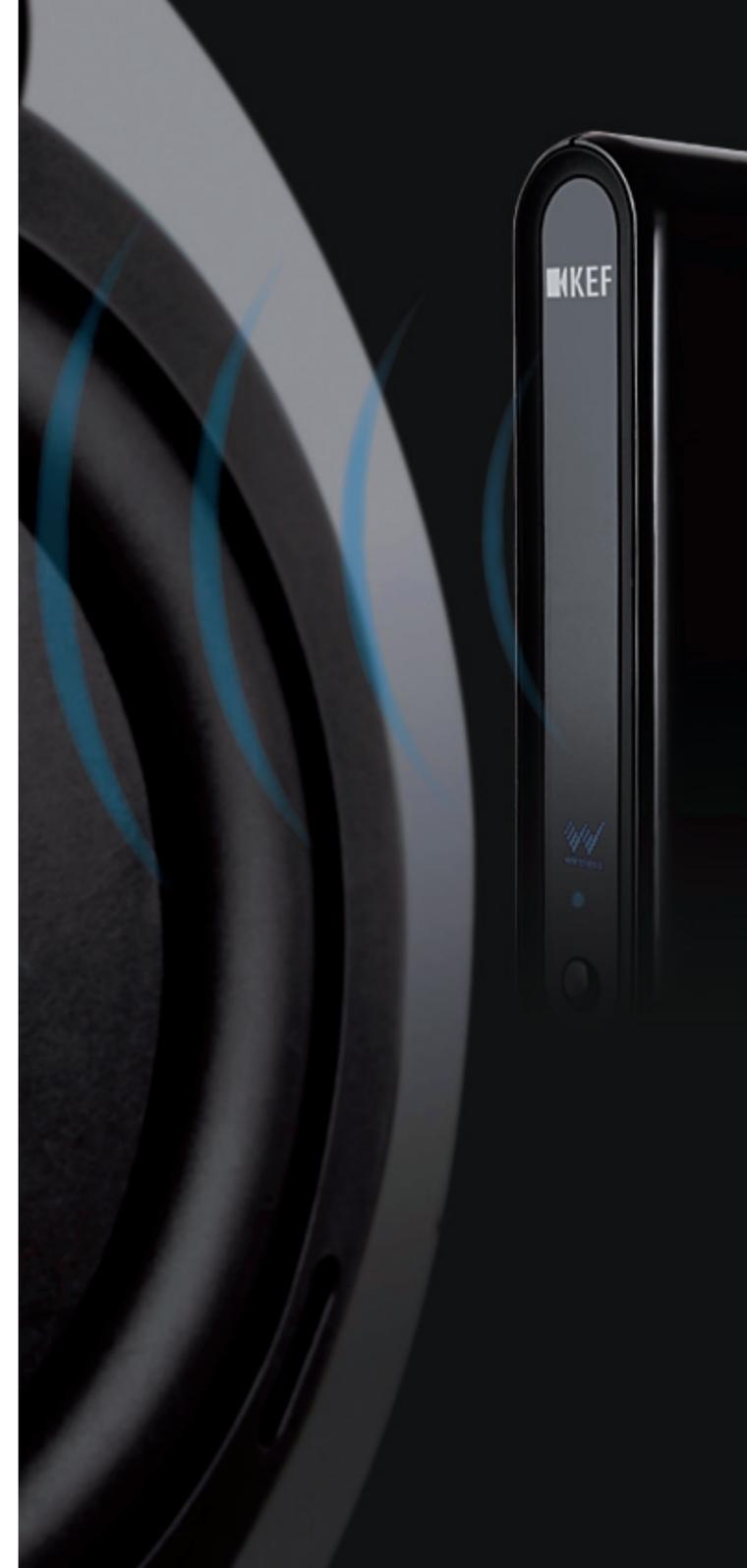
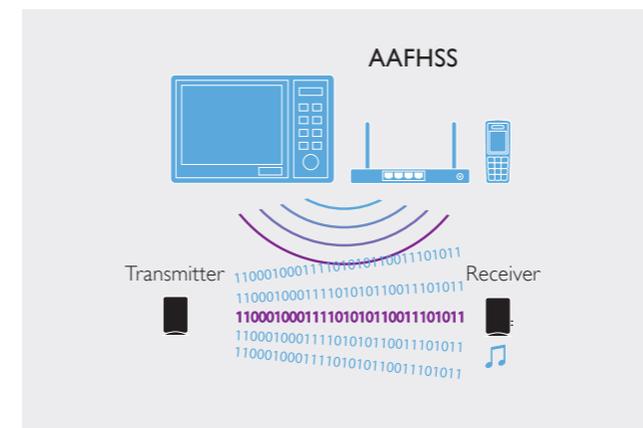
Create superb home theatre

As Universal Wireless System dovetails with most speakers, you can create a superb home theatre system. It also works with PCs and iPods, allowing you to play stored music collections on your premium speakers. And when you unpack Universal Wireless System, you will find more is missing: there are no wizards to run, dials to turn or buttons to press. Instead, there's simply plug-in-and-play audio pleasure.

- No trailing AV wires from sound source to speakers
- CD quality audio transmission
- Two receivers, each with 50W amplifier
- Stylish design and high quality finish
- "Connect and go" easy setup

Technology explained

KEF wireless powered subwoofer HTB2SE-W employs technology known as Advanced Frequency Hopping Spread Spectrum (AAFHSS). A detector continually searches for potentially conflicting transmissions, and if any are found the system "hops" to a different channel, keeping the signal stable. The process takes just milliseconds, so you don't notice it's happening.





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