

KEF®

Wireless
5000 series



“Wireless audio made simple”

www.kef.com



Surround sound minus the cables

If the problem of hiding lengthy cables has restricted where you put your loudspeakers, now you have the freedom to locate them virtually anywhere you wish. Using KEF's extensive research capability, we have developed a remarkable innovation in audio quality and convenience that at last makes high-performing wireless speakers a reality.

So why aren't wireless speakers already commonplace? The answer lies in the fact that, as others have found, ensuring a reliable signal that's free from interference in homes full of potentially conflicting devices hasn't been easy.

The risk of signal interference exists because the only broadcast space available for wireless systems is the 2.4GHz frequency, the same one used by wi-fi routers, bluetooth devices, some digital cordless phones and even microwave ovens. Because it's such a widely used frequency, it has been hard to ensure that wireless speaker systems can operate free from signal drop-outs.



KEF's solution is a remarkable combination of signal transmission, reception and processing technologies. Superb signal reliability is delivered with CD-quality sound that is a match for even the most demanding audio systems.

Wireless 5000 series



Go wireless with the KHT5000 Series

Our wireless system is now available for the high quality KEF Home Theatre 5000 Series 5.1 surround sound system. The optional transmitter comes with receivers that can be integrated into the two rear speakers, whether you choose floor or desk stand options. The rear speakers can also be purchased separately for use in any surround system, and they make an excellent audiophile-standard stereo pair.

For existing 5000 Series owners, it's easy to adapt your system to wireless operation. The wireless receivers and transmitter can be purchased as a separate upgrade package: the receivers simply require assembling into the speaker cabinets to convert them to wireless operation. And, as with the package for new system buyers, the receivers are available in either matt silver or high gloss black finishes to complement your system's design.

Wireless made simple

It is of course essential that even the most high-performing technology is free from complicated set-up and operating procedures. So we have made sure you'll be up and running in minutes thanks to simple connections, with the only additional requirement of delivering mains power to the transmitter and receiver units through discrete power adaptors.

Once in use, you can forget about the technology because automated signal processing means there are no buttons or dials to get in the way of enjoying great sound.

Now with a choice of wireless integrated into the KEF 5000 Series, you can enjoy the convenience of a cable-free solution with no loss of signal and the sound quality you'd expect from KEF.

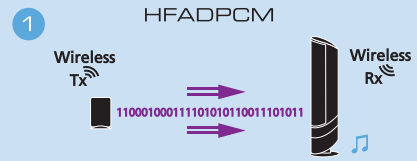
Specifications

Transmission protocol :	AAFHSS
Frequency band :	2.4 – 2.4835GHz (ISM band)
Data rate :	Up to 1.1Mbps
Range :	25m Typical maximum* (27.3yds)
Amplifier :	2 x 50W (digital amplifiers)
Sensitivity :	80dB
Frequency response (±3dB) :	20Hz – 20kHz
Peak audio output :	50W rms
Crossover :	800Hz and 5kHz
Transmitter module :	147 x 79 x 79 mm
Dimensions (H x W x D) :	(5.8 x 3.1 x 3.1 in)
Receiver module :	Additional 50mm (height on floorstand)
Dimensions (H x W x D) :	(Additional 2in)
Receiver module :	Additional 122mm (height on deskstand)
Dimensions (H x W x D) :	(Additional 4.8in)
Finishes :	Matt Silver or High Gloss Black

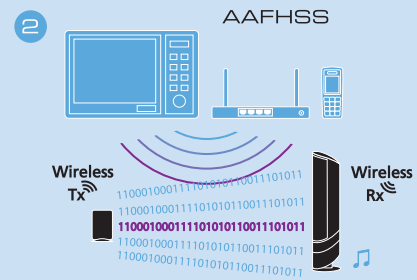


The technology explained

KEF have developed innovative new technologies to deliver high-quality wireless audio, while at the same time avoiding signal interference:



A narrow signal band is used that is sufficient enough for high-quality audio transmission yet perfect for finding a path through the congested environment of a home filled with potentially conflicting devices. This narrow band is a feature of HFADPCM (High Fidelity Adaptive Differential Pulse Code Modulation), and along with advanced error correction technology ensures an exceptionally robust delivery of CD-quality audio between the transmitter and receivers.



The system detects other transmitters in the 2.4GHz frequency - such as cordless phones, wi-fi routers and microwave ovens - and 'hops' out of the way of potentially conflicting signals. With this technology, known as AAFHSS (Advanced Adaptive Frequency Hopping Spread Spectrum), a processor constantly monitors several channels at a time and continually switches to the strongest available to ensure a constantly pure signal. It's all done in milliseconds so you don't notice it's happening; so nothing gets in the way of your enjoyment.

GP Acoustics (UK) Ltd. reserve the right, in line with continuous research and development, to amend or change specifications without prior notice. E. & O.E.

* Environmental factors such as building materials and construction may adversely affect wireless signal range.

** KHT5005.2 speakers and stands are not included.



UNI-Q®



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