

INTRODUCING E305 HOME THEATRE SPEAKER SYSTEM WITH A DESIGN
INSPIRED BY THE ORIGINAL ICONIC KEF KHT2005 AND KHT3005 'EGG'



Advanced KEF Technologies Offer High-fidelity Speaker Performance
from an Affordable, Simple to Use Sub-Sat System

With music or movies, the E Series offers outstanding sound quality for a 5.1 sub-sat system because the satellites are based on the new Uni-Q driver technology developed for the multi-award winning Q300. The stiff, FEA-optimised ribbed polymer enclosures (as in the KEF Blade) use the driver as a damped braced member like the KEF LS50, and the closed box sub is designed to integrate perfectly with the satellites.

EXTREMELY ACCURATE

A perfectly balanced, seamlessly integrated high end 5.1 sub/sat system based on KEF's 4.25" Uni-Q driver array and a superlative matching subwoofer; the new E305 system outperforms its peers by filling the room with a spacious, exquisitely detailed and compellingly natural soundscape that captures all the magic of the original performance.

1. Brand new Uni-Q driver array based on Q Series technologies

The secret of the E305 system's outstanding hi-fi response lies in the latest iteration of KEF's signature Uni-Q driver array, originally developed for the multiple award-winning Q Series. With its famously wide dispersion characteristics and sonic purity, this technology is what gives the system its extraordinarily natural sound quality.

• Vented tweeter

A large venting tube prevents distortion-inducing high pressure from building up behind the tweeter dome, so the response in the critical vocal region remains intricately detailed with every nuance of the original recording.

• Optimised tweeter dome

The geometry of the dome is carefully matched to the midrange cone to ensure a perfect wave from the tweeter at all frequencies, for a consistently accurate, natural-sounding treble response which neither lobes nor nulls.

• Tangerine waveguide

By encouraging the sound to radiate spherically, this increases the dispersion and sensitivity of the tweeter for more natural performance throughout the listening area.

• Aluminium midrange cone

Stiffer than conventional materials, this operates with almost perfect rigidity over the entire vocal range for the smooth, clear midrange response that reproduces the original singer's voice with such stunning accuracy.

• Cone break-up control

A damping ring on the midrange eliminates the breakup modes that can otherwise give the sound quality from metal cones a hard edge. As a result, midrange response is sweet and exceptionally transparent.

• Undercut midrange motor

Usually only found in high end speakers, undercut magnet designs reduce midrange distortion by generating a very symmetrical magnetic field. The resulting transparency helps to create the feeling of 'being there'.

• Z-flex cone surround

Allowing the midrange cone full excursion, this unique surround design provides a smooth, uninterrupted surface over which the tweeter output passes with no disturbance or diffraction effects. The treble response is clear and true.

• Inner Surround

Preventing pressured air from inside the cabinet escaping around the tweeter; this maintains a clean sound with minimal distortion, especially at high volume.

2. High performance satellite

It takes more than a great driver to create a class-leading satellite speaker. The E Series satellites were designed from the start to create a single perfectly balanced system with the crossover, cabinet and drivers all working together in harmony.

• Audiophile crossovers

The less there is to interrupt the recorded signal, the clearer the sound, so the E305 system boasts a tweeter crossover with high quality plastic film capacitors and a minimalist first order network on the midrange.

- **Low diffraction cabinet**

For the best possible imaging characteristics, the speaker enclosure has been carefully engineered to minimise scattering of the output, so nothing is subtracted from or added to the sound from the driver.

- **Advanced anti-vibration technologies**

To eliminate secondary radiation and cabinet coloration, the enclosures are heavily reinforced with internal ribbing and damping technologies to ensure sonic accuracy with no unwanted resonances.

3. Fast, punchy and seamless bass

The E305 system is designed to deliver exceptional bass performance. As with any quality hi-fi system, the subwoofer seamlessly integrated within the rest of the system, so it sounds like five full-range loudspeakers.

- **Closed-box design**

A closed-box design, the subwoofer delivers an agile extended bass response without overhang - fast, clean and well defined.

- **High performance bass driver**

With a large, powerful motor system driving a long throw 8-inch cone, low frequency reproduction remains composed and unerringly accurate, even at high levels.

- **Advanced anti-vibration technologies**

Like the satellites, the subwoofer cabinet borrows damping technologies from the LS50 to avoid resonance and secondary radiation to ensure tight, clean and immaculately controlled bass.

- **Low group-delay preamp**

Based on a Linkwitz Transform circuit to minimise any signal group-delay that would otherwise muddy the bass, the on-board preamp assures noticeably cleaner and more accurate low frequency reproduction.

- **Seamless response**

The frequency and phase response of the subwoofer and satellites have been carefully matched to smoothen the transition, so you can't hear where the satellite stops and the subwoofer starts.

EXTREMELY ICONIC

Inspired by KEF's multiple award-winning and the original KEF KHT2005 and KHT3005 'egg' designs that revolutionised home entertainment with its rich, spacious and realistic 3D sound imagery, the new system takes their iconic looks and builds upon them with a contemporary, pure form design in a unique matt finish. The die-cast aluminium bases, which simply rotate to form the wall brackets, are in a modern satin chrome finish for both the deep black and pure white versions. The subwoofer uses the same form as the satellite speakers in a down-firing configuration for a beautifully matched system appearance.

Redesigned to take advantage of design innovations developed for KEF's most sophisticated audiophile speakers, the all-new E Series raises the bar even further – at a surprisingly affordable price.

EXTREMELY SIMPLE

Everything about the new E305 system is designed to make life easier and more pleasurable. It's simple to hook up to any AV receiver, which also controls the output level of the subwoofer. With no special tools or skills required, either on adjustable die-cast aluminium bases, which can also simply rotate to form wall brackets, or on the optional bespoke satellite stands, the E305 system takes the enjoyment of music, movies or games to a new level.

All you do is to connect the system to your AV receiver. That's it – we've already done.



SPECIFICATIONS

	Satellite	Centre
Model	E301	E301c
Design	Two-way bass reflex	Two-way bass reflex
Drive units	Uni-Q driver array: HF: 19mm (0.75in.) vented aluminium dome MF/LF: 115mm (4.25in.) aluminium	Uni-Q driver array: HF: 19mm (0.75in.) vented aluminium dome MF/LF: 115mm (4.25in.) aluminium
Frequency range (-6dB)	80Hz – 45kHz	80Hz – 45kHz
Frequency response (±3dB)	90Hz - 33kHz	90Hz - 33kHz
Crossover frequency	2.7kHz	2.7kHz
Amplifier requirements	10 - 100W	10 - 100W
Sensitivity (2.83V/ 1m)	86dB	86dB
Harmonic distortion 2nd & 3rd harmonics (90dB, 1m)	<1% 100Hz – 40kHz	<1% 100Hz – 40kHz
Maximum output (SPL)	109dB	109dB
Norminal impedance	8Ω (min. 3.4Ω)	8Ω (min. 3.4Ω)
Internal volume	1.5 Litres	1.5 Litres
Weight	2.4kg (5.3 lbs.)	2.4kg (5.3 lbs.)
Dimensions (H x W x D) (with grille and base)	260 x 136 x 159 mm (10.2 x 5.4 x 6.3 in.)	157 x 220 x 155 mm (6.2 x 8.7 x 6.1 in.)
Finishes	Deep black / Pure white	Deep black / Pure white
Optional accessory	Floorstand	N/A

	Subwoofer
Model	E-2
Design	Powered subwoofer
LF Drive unit	200mm (8in.)
Frequency range (-6dB)	33Hz – 280Hz
Amplifier	250W built-in Class-D
Maximum output (SPL)	102dB
Low pass filter variable	Fixed 250Hz, 2nd-order
Low level signal inputs	RCA phono socket
Enclosure type	Sealed
Internal volume	14.7 Litres
Power requirements	100 - 240VAC 50/60Hz
Power consumption	250VA
Weight	7.25kg (16 lbs.)
Dimensions (H x W x D)	320 x 430 x 270 mm (12.6 x 16.9 x 10.6 in.)
Finishes	Deep black / Pure white

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