

KC62 Uni-Core Force Cancelling Subwoofer



Don't let the size fool you

Deep and powerful bass is no longer solely the domain of big-shouldered, massive subwoofers. Thanks to three innovative KEF technologies, the KEF KC62 Uni-Core force cancelling subwoofer has changed the rules of subwoofer design forever. Performance levels are at complete odds with this compact subwoofer's football-sized dimensions, with unprecedented depth and breath-taking accuracy delivered in equal measures.

Uni-Core Technology

At the heart of KC62 is KEF's innovative, patent-pending Uni-Core driver technology. A completely new take on traditional force cancelling arrangements, the Uni-Core design delivers ultra-compact size and big performance.

In order to simultaneously deliver unprecedented performance and the benefits of force cancelling from a compact size, Uni-Core combines both drivers into a single magnet system, with the voice coils concentrically arranged. This allows the cabinet size to be reduced by over a third, while equaling or exceeding the driver excursion of a much larger subwoofer, unlocking more output and depth from less space.

Accurate, deep bass with speed and power

P-Flex Surround (aka Origami Surround)

The second of the three new technologies in KC62 is a brand-new design of driver surround. The new, patent-pending P-Flex surround is engineered to better resist the acoustic pressure in the cabinet without limiting sensitivity in the same way traditional surround designs do. To achieve this, it uses a unique pleated design inspired by Origami, the Japanese art of paper folding, which resists the internal air pressure without adding excessive mass, allowing the driver to move precisely as required by the audio signal. The result is deeper bass extension and a more accurate and detailed bass reproduction.

Smart Distortion Control Technology

The KC62 also innovates with the patent-pending, sensorless Smart Distortion Control Technology. This ground-breaking motional feedback system helps correct any minute abnormalities that may occur. It does this by measuring the current in the voice coil and detecting and correcting any non-linear distortions. This reduces the total harmonic distortion (THD) by up to 75% and thus delivers a more accurate, less coloured bass performance.

Music Integrity Engine

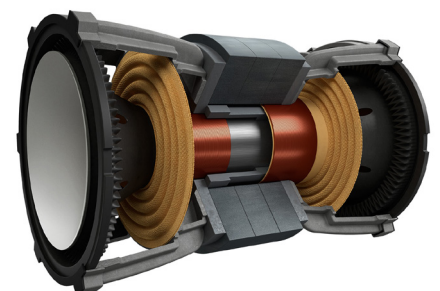
KC62's performance is finetuned even further by a bespoke selection of in-house designed DSP (Digital Signal Processing) algorithms in the form of KEF's Music Integrity Engine. Algorithms including iBX (Intelligent Bass Extension) and SmartLimiter, which constantly analyses the signal to prevent clipping, work together to ensure the perfect relationship between every component.

Turn up the Power

The final piece of the performance puzzle is amplification, which the KC62 has in abundance. The twin drivers are powered by 1,000W RMS (2 x 500W) of specially designed Class D amplification, providing exceptional levels of control and the ability to deliver sudden bursts of power when required, for example when enjoying your favourite high-octane action sequence.

Summary of features

- Twin 6.5-inch Uni-Core force cancelling driver array
- P-Flex pressure resistant surround design
- Smart Distortion Control Technology
- Music Integrity Engine with iBX, SmartLimiter and Room Placement settings
- 1000W (2 x 500W) RMS Class D amplification
- Compact sealed aluminium cabinet
- Exceptionally versatile controls for easy integration with any loudspeaker and any home environment
- KW1 wireless subwoofer adapter kit compatible for wireless operation



Well connected

The KC62 is also incredibly versatile, with a collection of connection options that allow it to be used with almost any audio system. Line level/speaker level inputs mean it can be connected to any amplifier, line output with HPF allows for exceptional fine-tuned integration, while KEF SmartConnect eliminates any connection issues. The KC62 is also compatible with the KW1 for wireless compatibility with the minimum of fuss.

Same performance, everywhere

KC62 slips effortlessly into any environment or listening room, thanks to the five pre-set Room Placement Equalisation feature, which ensures you get the same performance from KC62 no matter where you decide to place it; in free space, next to the wall, in a corner, nestled within a cabinet or using the dedicated apartment mode.

Design meets substance

The KC62 is not just designed to work sonically within your home, but aesthetically as well. Crafted from extruded aluminium, the curved cabinet perfectly blends form and function, providing strength and beauty. Whilst diminutive enough to blend into the décor, the Carbon Black and Mineral White finishes also make KC62 an exceptionally attractive statement.



Mineral White



Carbon Black

Specifications

Model	KC62
Design	Uni-Core Force Cancellation
Drive units	2 x 6.5 in. drivers
Frequency response (± 3 dB)	11Hz - 200Hz
Max output	105dB
Amplifier type	Built-in Class D
Amplifier power	1000W RMS (2 x 500W RMS)
Variable low pass filter	40Hz - 140Hz, LFE
Input	RCA phono sockets Speaker level inputs
Line output	RCA phono sockets
Line output high pass filter	40Hz - 120Hz, Bypass
Power requirements	100-240 V ~ 50/60 Hz
Power consumption	1000W
Weight	14kg (30.9 lbs)
Dimension (H x W x D) with rear panel and feet	246 x 256 x 248 mm (9.68 x 10.07 x 9.76 in.)

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