

KC92 Force-cancelling Subwoofer



When it comes to bringing the bass, the KC92 subwoofer excels. Compact and robust, its optimised performance now propelled by the Music Integrity Engine® (MIE) for even cleaner, more detailed sound. Surpassing expectations for its size the KC92 achieves powerful, quick articulation through a dual driver in a force-cancelling configuration, cutting edge technologies from our award-winning loudspeakers. An immersive, ultra-dynamic listening experience for both music and movies, the KC92 sound goes beyond sensation. From the roar of a jet engine, to the room rocking beat of a kick drum, the KC92 makes the action – and the emotion – feel real.

Music Integrity Engine® (MIE) – KEF's proprietary DSP algorithm

When it comes to speakers, accuracy is everything. Thanks to KEF's proprietary Music Integrity Engine, KC92 delivers more depth, greater output and increased dynamism than ever.

KEF's Music Integrity Engine is a proprietary suite of in-house written DSP (Digital Signal Processing) algorithms, serving as the mastermind behind the detailed and accurate sound that characterises our wireless speakers and subwoofers. Tailored for each model, this ensures that every component works in perfect harmony to an even higher level than would otherwise be possible.

iBX Intelligent Bass Extension

iBX Intelligent Bass Extension creates an extended depth that unlocks the full potential of the custom driver. By analysing your input signal, iBX allows the subwoofer to play louder and remain dynamic at any listening level. In step with the advancements developed by MIE, the new version of iBX lowers distortion still further. The end result is simply remarkable accuracy.

P-Flex Surround

Incorporating the patent-pending P-Flex Surround, inspired by the Japanese art of Origami, this unique design resists acoustic pressure without compromising sensitivity. The pleated structure, akin to Origami folds, resists internal air pressure, allowing the driver to move precisely as dictated by the audio signal. The result is a deeper bass extension and more accurate, detailed bass reproduction.

Distortion-free depth

The KC92 features two 9-inch drivers, derived from our flagship Blade HiFi Speaker. Their hybrid structure, with a shallow, concave aluminium skin atop a paper cone, boasts a substantial motor system and a vented design in the voice coil. This design achieves linearity and vanishingly low distortion, ensuring every detail is uncovered regardless of volume. With optimised excursion characteristics, the KC92 achieves depths of 11Hz with fluidity and scale.

Power and precision in tandem

The two drivers in the KC92 are positioned back-to-back in a force-cancelling configuration. This design neutralises out reactive forces, minimising cabinet vibration and maximising accuracy and detail. This ingenious configuration enables an immense volume capacity, facilitating sound pressure levels of 110 dB from a compact, sealed cabinet – a perfect balance of form and function.

Summary of features

- Twin 9-inch force-cancelling driver array
- P-Flex pressure resistant surround design
- Music Integrity Engine® (MIE) – in-house developed DSP to further optimise performance
- iBX Intelligent Bass Extension allows to play louder and remain dynamic at any listening level
- Five room placement settings
- 1000W (2 x 500W) RMS Class D amplification
- Compact sealed cabinet
- Exceptionally versatile controls for easy integration with any loudspeaker and any home environment
- KW1 wireless subwoofer adapter kit compatible for wireless operation



Turn up the power

In a subwoofer, power goes beyond mere volume. The KC92 possesses immense power that fills almost any domestic space, with audiophile-quality 1000W of Class D amplification (a dedicated 500W amplifier for each driver). With great power comes incredible control, improving timing accuracy and dynamic response for a more detailed sound and the ability to deliver sudden bursts of power precisely when needed.

Well connected

With a diverse range of connection options, the KC92 adapts effortlessly to almost any audio system. Featuring line level/speaker level inputs, it can be connected to any amplifier. KEF SmartConnect intelligently determines whether a mono or stereo input is being used, optimising the gain for optimum performance. The line output with High Pass Filter (HPF) allows for exceptional fine-tuned integration. Additionally, it is compatible with the KW1 for simple wireless integration.



Tailored soundscapes: the five preset room placements

Thanks to the Music Integrity Engine (MIE), the KC92 features a powerful placement-dependent EQ setting. Easily fitting into any environment or listening room, the five pre-set Room Placement Equalisation feature ensures consistent performance, whether placed in free space, next to the wall, in a corner, snug within a cabinet, or using the dedicated apartment mode.

Power tailored to your preference

Select from three power modes to suit any system with the KC92. The 12V trigger provides automatic wake-up when connected devices are turned on, music sense allows the KC92 to wake up from standby when an audio signal is detected, and 'always on' mode ensures the subwoofer is primed and ready to play immediately. This flexibility offers a choice of power-on modes to suit the system requirements.



Easy firmware update

The KC92 features a USB-C input, enabling convenient firmware updates for future enhancements. Users can easily bring the KC92 up to the latest specifications from the comfort of their own homes, fully utilising its capabilities for the best possible experience.

As beautiful on the outside as within

Sounding good is only part of the deal. The KC92 also looks the part with its compact, sealed box construction, improving flexibility of positioning, speed, and clarity of performance. The low-profile heatsink, inspired by the award-winning LS50 Wireless II, assists with positioning while ensuring that high-performance electronics are kept in optimum conditions. With a minimal and timeless design, the KC92 is easy to match with any speakers, available in Black Gloss and White Gloss to work beautifully with any interior.





White Gloss



Black Gloss

Specifications

Model	KC92
Design	Force-cancelling
Drive units	2 x 9 in. drivers
Frequency response ($\pm 3\text{dB}$)	11Hz - 200Hz
Max output	110dB
Amplifier type	Built-in Class D
Amplifier power	1000W RMS (2 x 500W RMS)
Variable low pass filter	40Hz - 140Hz, LFE
Input	Expansion port for KW1 RCA phone sockets Speaker level inputs
Power requirements	100-240 V ~ 50/60 Hz
Power consumption	1000W (operating power) <0.5W (standby power)
Dimension (H x W x D) with rear panel and feet	352.5 x 330 x 360.5 mm
Weight	20kg
Optional accessory	KW1 Wireless Subwoofer Adapter Kit