

KEF K SERIES



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Maintaining a tradition of excellence

Since its inception in 1961, and in every one of the succeeding thirty years, KEF has proved time and time again that the key to excellence in loudspeaker sound reproduction lies in attention to detail at every level and stage of the design and manufacturing process.

For the whole of that exciting period, whilst the KEF Reference Series has provided a series of major advances in loudspeaker technology, KEF's more affordable models have rarely been out of the best-seller lists, providing maximum performance at minimum cost - in other words, value for money. These models too, have benefitted from a production facility designed to achieve unprecedented levels of consistency - the KEF cornerstone.

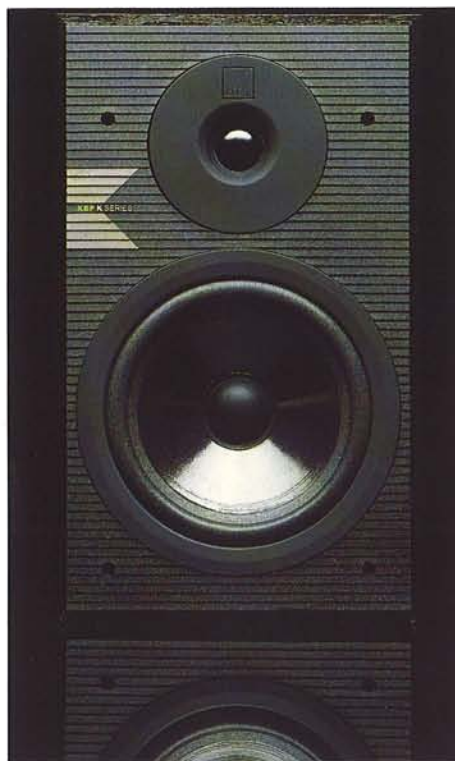
The very first KEF compact speaker, in 1961 was the K1, a three-way baffle available in several formats. Since then, an honourable tradition of music-related 'C' series names has held sway. In this thirtieth anniversary year, the initial 'K' returns to identify three models, each of which embodies the principles, experience, and tradition learned and earned during the past three decades.

Careful attention to both visual and acoustic design means that the 'K' Series models are as easy and attractive to integrate into a home environment as they are capable of reproducing today's sometimes complex and demanding recordings in a lifelike and convincing manner.

With their attractively 'louvred' baffle design, the 'K's look as good with their grilles removed - and there are no unsightly driver fixing screws to spoil their good looks.

High sensitivity means good headroom to cope with the dynamic demands of modern recordings. An easy 8-ohm (min. 5 ohms) load gives even moderately-powered amplifiers no driving problems. The sound balance of each model was only finalised after many hundreds of hours of critical listening, in many locations, and a bass alignment chosen after lengthy consideration of the likely conditions of use.

The KEF 'K' Series represents an unbeatable combination of quality, performance, and price. Thirty years on, the KEF tradition of excellence is once more upheld.

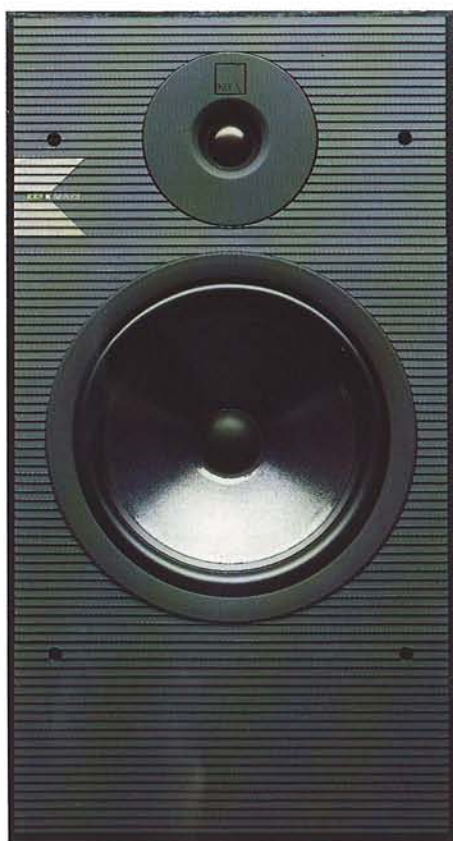
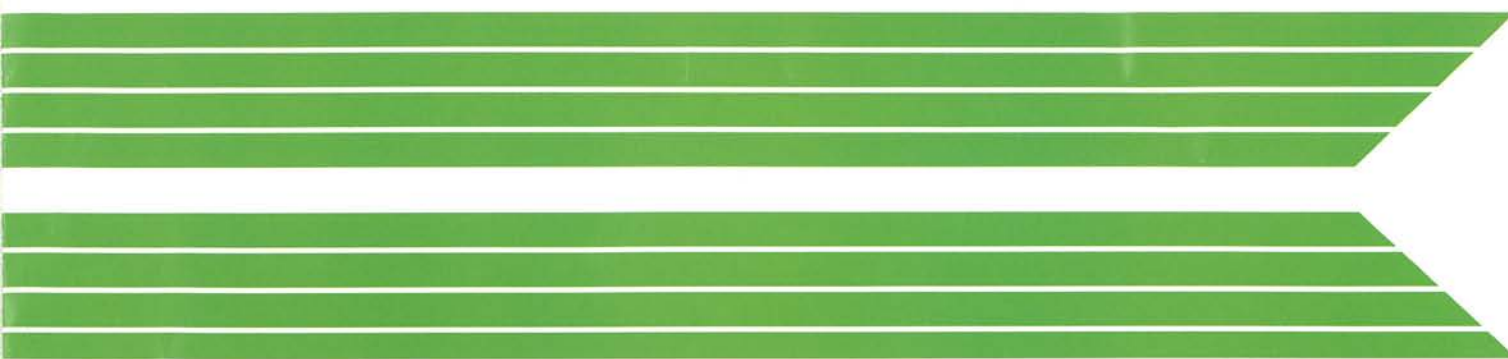


K120

In the design of small loudspeakers every parameter becomes more critical. Only a 'complete system' approach, as employed by KEF, is likely to bring success. Careful study of drive units, crossover and enclosure, separately and together, with their interactions, is the means to produce a musically integrated sound. KEF system design techniques have, in the K120, produced a supremely musical small box, designed to produce its specified response when operated on a shelf, or stand-mounted close to a wall.

The K120 is a compact two-way speaker which sounds much larger than it looks. The lightweight 160mm (6.5") bass/midrange unit provides uncoloured, fast bass response, whilst the 25mm (1") fluid-cooled tweeter offers accurate, uncompressed high-frequency performance of exceptional clarity. A deeper-than-average cabinet gives an internal volume, and therefore a bass performance that belies its compact frontal aspect. Ideal for a first or second system, an audio-visual installation, or as satellites for a subwoofer, the K120 is a truly outstanding miniature.





K140

KEF have an enviable track record when it comes to designing classic 200mm (8") two-way systems. The K140 is no exception.

Easily accommodated, and with no special installation problems, the K140 has a prodigious 109dB spl maximum output capability, prodigious that is, for such a compact speaker.

An 18mm (.75") thick enclosure ensures low levels of cabinet colouration, and fast, detailed bass performance, with good weight and extension, when correctly positioned. This may be on a stand around 450mm (18") high, free-standing, or with some wall reinforcement. The 89dB/2.83V/1m sensitivity ensures high output from moderately-powered amplifiers. The use of Kapton for the bass unit's voice-coil former gives high efficiency with low distortion, thanks to its freedom from magnetic effects and eddy current losses. Being thermally inert, it is well able to withstand the high temperatures generated during high-level replay. Careful equalisation using computer optimisation together with attractive appearance, make the K140 the system of choice for a thoroughly musical and outstanding all-round performance.

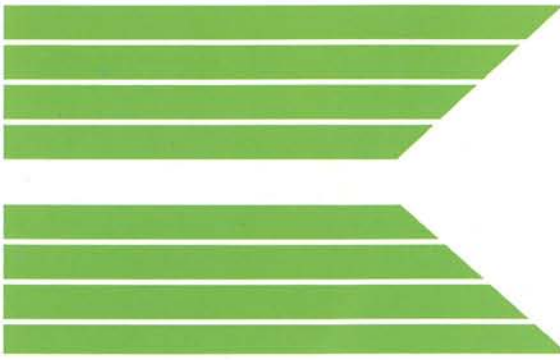
K160

This floor-standing loudspeaker is capable of reproducing music at realistic levels, yet is very compact, taking up well under one square foot of floor space. The K160 employs a similar bass/mid and high-frequency complement as the K140, but with an additional 200mm (8") passive radiator to provide added bass extension and output without the need for large power input. This additional bass diaphragm is specially designed to respond quickly and accurately to the low-frequency information contained in today's recordings. KEF's computer optimisation techniques, analysing the complex interaction between bass driver, passive radiator and enclosure, result in a bass extension that extends well below 50Hz.

The K160 is designed to operate clear of boundaries, floor-standing, or on low stands. Of high efficiency, the K160 has a peak output capability of a massive 110dB. Panel dimensions have been calculated to minimise resonances, whilst keeping the front baffle as narrow as possible, so as not to impair stereo imaging.

The K160 combines plentiful, extended bass, with a clear, articulate midrange and treble. It can play exceedingly loud, when required, and will appeal to those who like high levels, but with refinement.





Description of K120	2-way wall/shelf mount
Frequency range ± 3 dB (measured at 2m on reference axis)	65Hz-20kHz (-6dB 50Hz)
Maximum output (measured spl on programme peaks under typical listening conditions)	107dB
Characteristic sensitivity level (measured at 1m on reference axis for pink noise input of 2.83V rms [anechoic conditions])	87 dB
Amplifier requirements into 8 ohms	10-80 W
Nominal impedance	8 ohms
Enclosure type	Closed Box
Internal volume	10.7 litres (.38 cu.ft.)
Net Weight	5.6kg (12.5lb)
Dimensions	340h x 205w x 246d (mm) 13.3h x 8.1 x 9.7d (in)

Description of K140	2-way wall/shelf mount
Frequency range ± 3 dB (measured at 2m on reference axis)	55Hz-20kHz (-6dB 45Hz)
Maximum output (measured spl on programme peaks under typical listening conditions)	109 dB
Characteristic sensitivity level (measured at 1m on reference axis for pink noise input of 2.83V rms [anechoic conditions])	89 dB
Amplifier requirements into 8 ohms	10-100 W
Nominal impedance	8 ohms
Enclosure type	Closed Box
Internal volume	18.7 litres (.66 cu.ft.)
Net Weight	8.75kg (19.25lb)
Dimensions	490h x 260w x 246d (mm) 19.3h x 10.2w x 9.7d (in)

Description of K160	2-way floor standing
Frequency range ± 3 dB (measured at 2m on reference axis)	48Hz-20kHz (-6dB 40Hz)
Maximum output (measured spl on programme peaks under typical listening conditions)	110dB
Characteristic sensitivity level (measured at 1m on reference axis for pink noise input of 2.83V rms [anechoic conditions])	89 dB
Amplifier requirements into 8 ohms	10-150 W
Nominal impedance	8 ohms
Enclosure type	Passive radiator
Internal volume	28.2 litres (.99 cu.ft.)
Net Weight	11.8kg (26.0lb)
Dimensions	750h x 260w x 246d (mm) 29.5h x 10.2w x 9.7d (in)

Amplifier Requirements

Amplifier requirement figures are intended only as a guide. As a general rule buy the biggest amplifier you can afford within the specified range and use it with care. It is easier to damage the loudspeaker by using a small amplifier driven into distortion by too much volume with bass and treble boost, than by using a larger amplifier which has power in reserve. If in doubt, ask your dealer.



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