

KEF

CADENCE

INSTALLATION INSTRUCTIONS • INSTALLATIONSANWEISUNGEN • MODE D'EMPLOI

Loudspeaker Location

Stereo images are formed by the sound received by the listeners' directly from each loudspeaker. Confusing reflections from walls and large objects spoil the stereo effect due to the time delay involved. Therefore wherever possible loudspeakers should be placed at least 50cm from a rear wall and 1m from the nearest side wall.

The space between the two loudspeakers and the distance from the listeners' are important. If loudspeakers are placed too close together or too far apart, stereo images will not be fully developed. In average living rooms, speaker spacing between 2 and 4 metres will usually produce satisfactory results, fig. 1.

The listeners' distance from the loudspeakers should be at least equal to and preferably greater than the distance between the loudspeakers. Tests should be made with both speech and music before deciding upon final locations.

Connecting Cables

Ideally, connecting cables should be as short as possible to avoid loss of power and high frequency response.

The total resistance should not exceed approximately 0.3 ohms. The following tables show the maximum length that can be used in various gauges without audible effect on speaker performance. Colour coded cable is recommended to assist checking polarity.

EUROPE			U.S.A.	
Wire Type area sq. mm	spec.	max. length in metres	Cable Zip AWG	max. length in feet
2.50	50/0.25mm	25	10	160
1.50	30/0.25mm	15	12	100
1.25	40/0.20mm	12	14	65
1.00	32/0.20mm	10	16	40
0.75	24/0.20mm	7	18	25

CAUTION: Certain exotic types of cable have high capacitance which can cause instability with some amplifiers. If in doubt, select a cable from the foregoing tables.

Electrical Connections

Connection is made through the colour coded terminals in the rear panel.

Polarity is very important and connections to the amplifier or receiver should be made as shown, fig. 2.

N.B. Do not switch on the equipment until all connections have been completed and secured.

To check polarity, place the two loudspeakers close together facing each other about 5-7.5cm (2"-3") apart. Play a recording which has plenty of deep bass such as an organ solo, operating both speakers simultaneously with the stereo amplifier switched to 'mono'. Repeat the test after reversing the polarity of one loudspeaker. Correct polarity is indicated by firm, full bass. When incorrect, the bass will be noticeably much weaker.

Power Amplifiers

The loudspeakers will operate satisfactorily with all good power amplifiers designed for 8 ohm loading. A minimum continuous power rating of 10 watts per channel is advisable. The full potential of the loudspeakers will be achieved with amplifiers rated at 40-50 watts per channel.

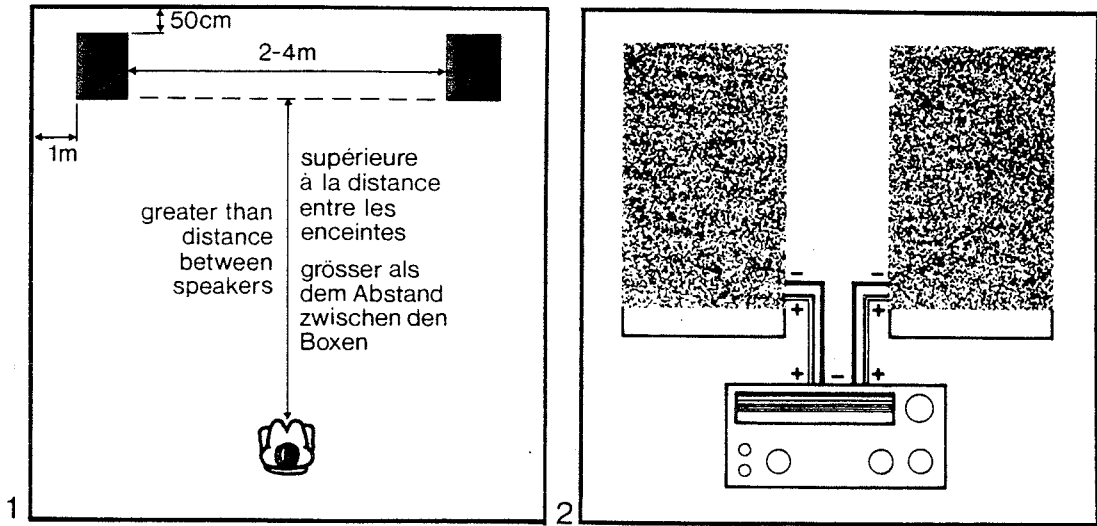
Service Information

Loudspeakers are inherently reliable and rarely give trouble. It is important to remember that faults arising in any part of the reproducing system will be heard via the speakers and therefore when faults occur, careful and analytical diagnosis will be required to locate the actual source of trouble.

Loudspeakers cannot generate hiss or hum. Spurious noises of this type generally originate in the electronic sections of the equipment or even in the programme source itself. Faults in a loudspeaker will be audible on all programme sources. A fault which is evident only when playing discs but not, for example, when using the radio tuner, is not likely to originate with the loudspeakers.

Service problems should be discussed in the first place with the dealer from whom the goods were originally purchased. Generally, warranty claims are best handled by your dealer. However, in case of difficulty, contact:

Customer Service Department, KEF Electronics Limited, Tovil,
Maidstone, Kent, ME15 6QP. Telephone: 0622 672261 Telex: 96140



SPECIFICATION

Frequency range	60 Hz to 22kHz \pm 3dB at 2m on reference axis (-10dB at 45Hz and 32kHz)
Directional characteristics	within 2dB of response on reference axis up to 20kHz for \pm 5° vertically up to 12kHz for \pm 20° horizontally
Maximum output	110dB spl on programme peaks under typical listening conditions
Characteristic sensitivity level	90dB spl at 1m on reference axis for pink noise input of 1W
Enclosure type	Closed box
Internal volume	33 litres
Nominal impedance	8 ohms
Programme rating	100W
Maximum continuous sinusoidal input	20V rms from 80Hz to 2.5kHz reducing to 12V rms above 4kHz
Minimum amplifier requirements	10W
Weight	9.4 kg
Dimensions	600(h) x 300(w) x 249mm(d)

HF = SP1182
 LF/MF = SP1088
 DN = SP2049A

KEF reserves the right to incorporate developments and amend the specifications without prior notice in line with continuous research and product improvement.

KEF behält sich das Recht vor, im kontinuierlichen Weiterentwicklung und Produktverbesserung Neuentwicklungen und Verbesserungen der Spezifikationen ohne vorherige Ankündigung einfließen zu lassen.

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Registered in England No 702392

Published by KEF Electronics Ltd. and printed in England.

Part No. PL507EFG01