



KEF R Series Loudspeaker Installation Guide

[Home](#) » [KEF](#) » KEF R Series Loudspeaker Installation Guide 



R Series Loudspeaker Installation Guide

Contents

- [1 R Series Loudspeaker](#)
- [2 Introduction](#)
- [3 Using the manual](#)
- [4 Link Connection](#)
- [5 Connections](#)
- [6 Fault finding – 1 Problem / 2 Action / 3 Cause](#)
- [7 Specifications](#)
- [8 Documents / Resources](#)
- [9 Related Posts](#)

R Series Loudspeaker



R100	R300	R500	R700	R900	R200c	R600c	R800ds
------	------	------	------	------	-------	-------	--------

Introduction

Thank you for purchasing the R Series. We are confident that it will provide reliability, high-performance sound for many years to come. Please read this manual fully before you attempt any connections to the R Series.

Using the manual

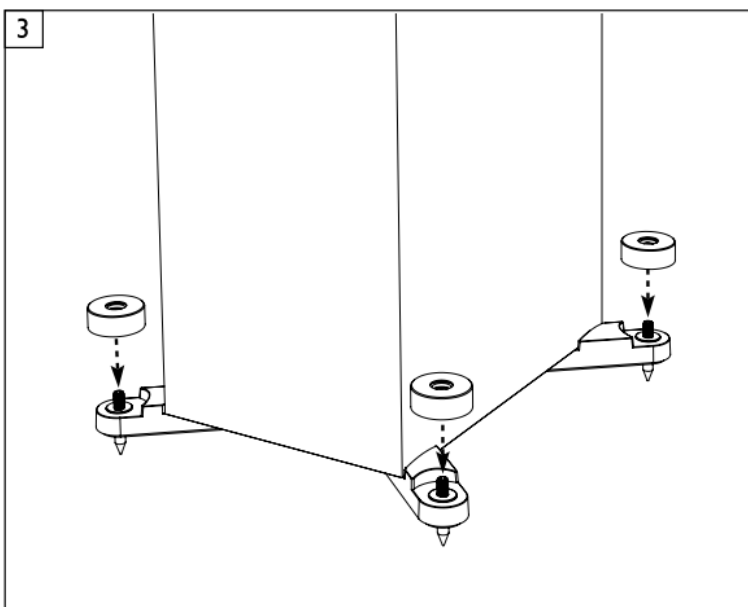
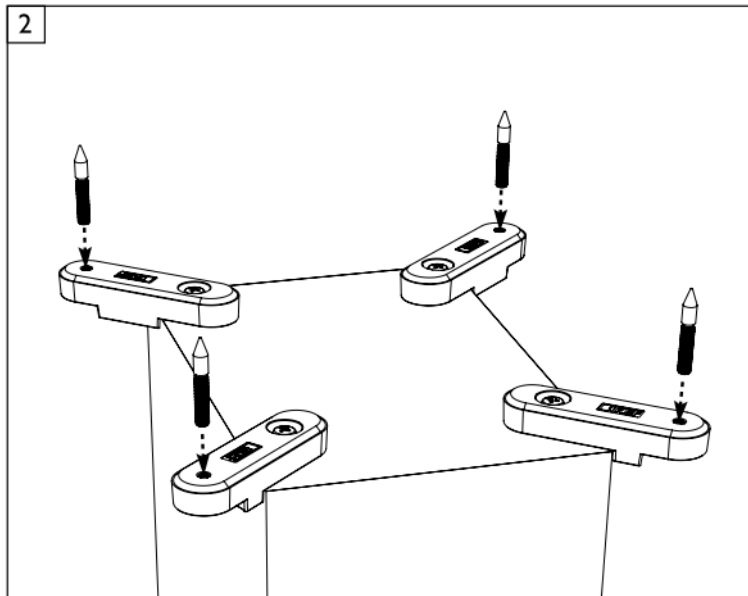
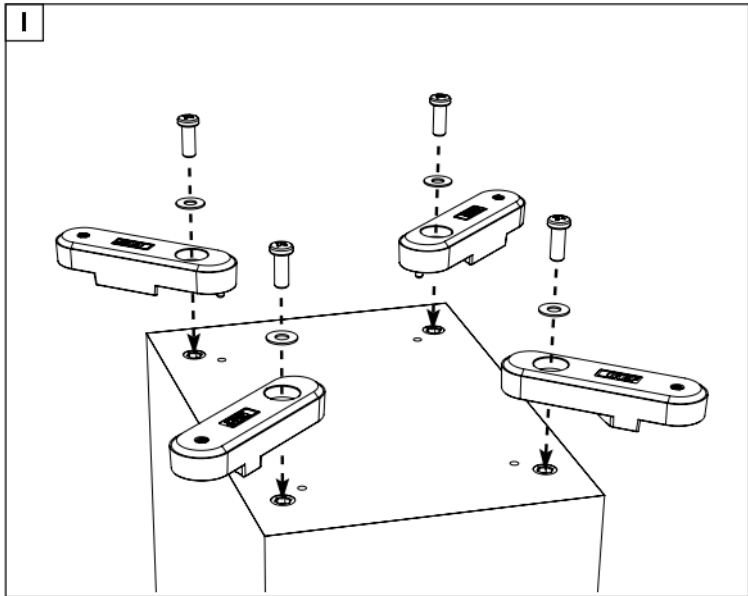
The following icons are used throughout this manual to help you safely install your new speakers. Please follow them carefully.

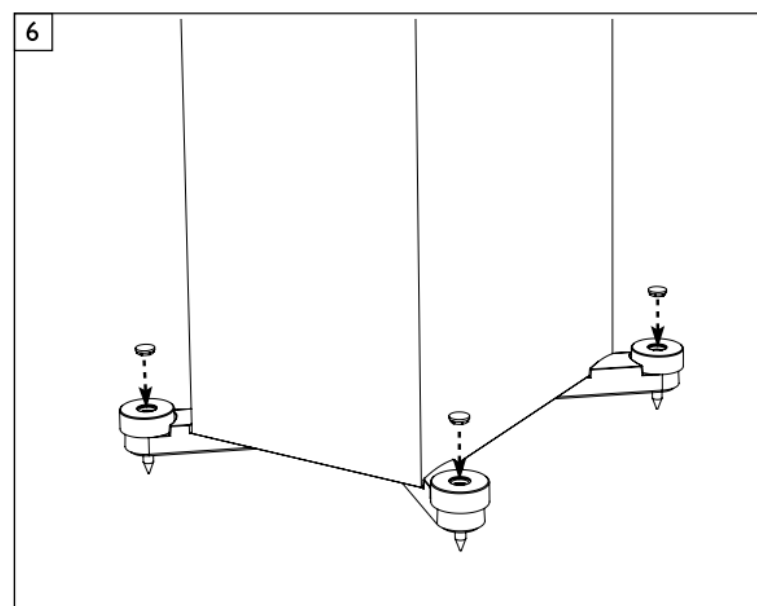
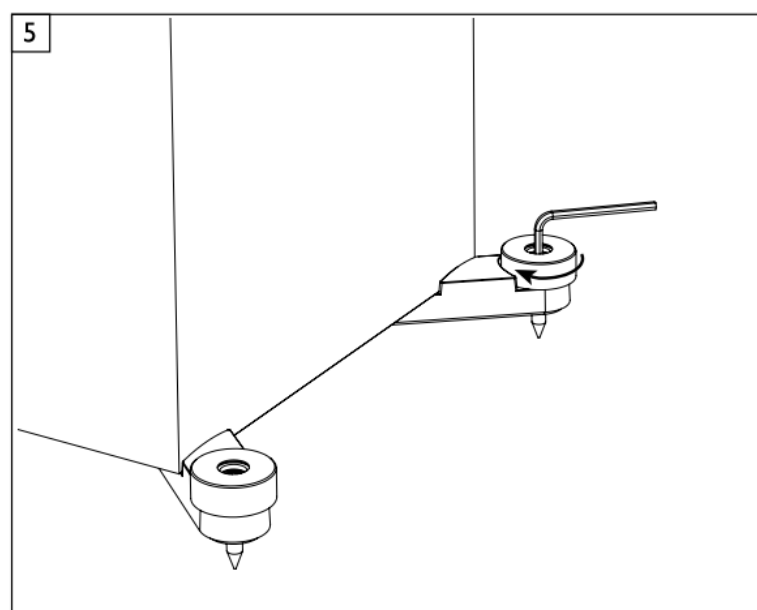
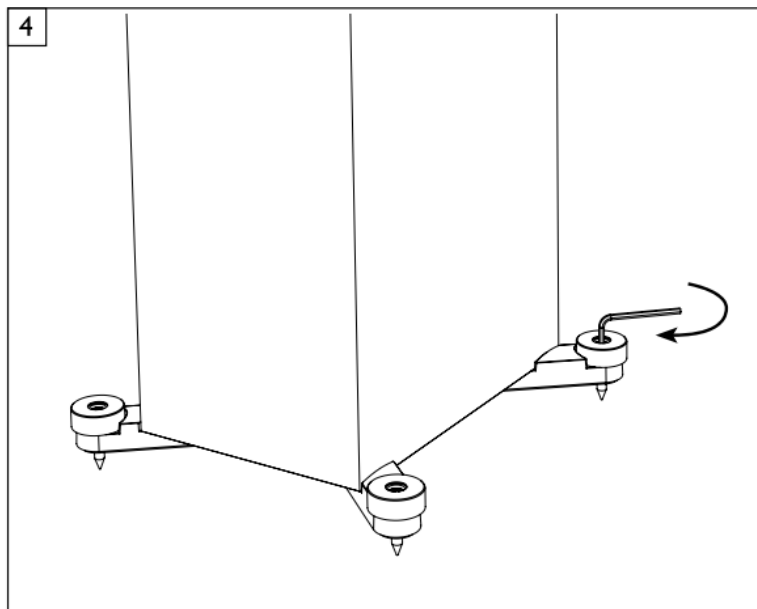
	Correct
	Wrong
	Adjustment
	Positive/RED
	Negative/BLACK
	Caution /Warning
	Switch off appliance

Important points

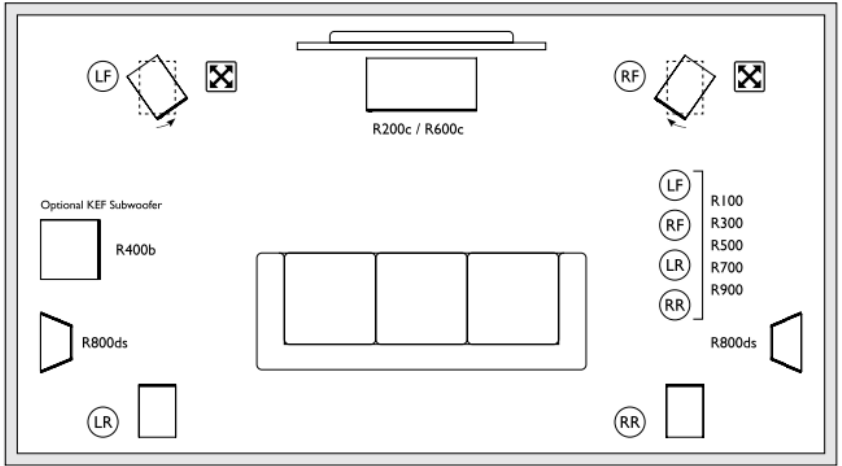
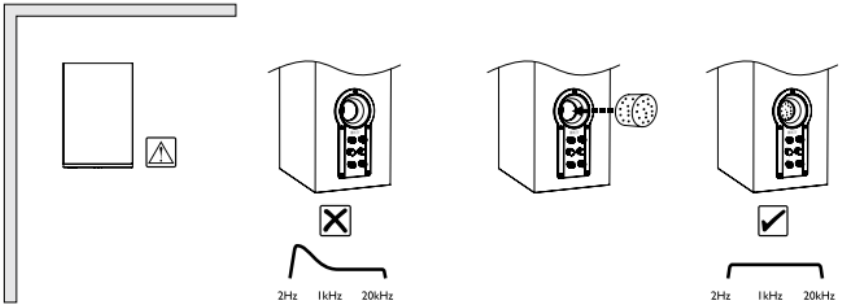
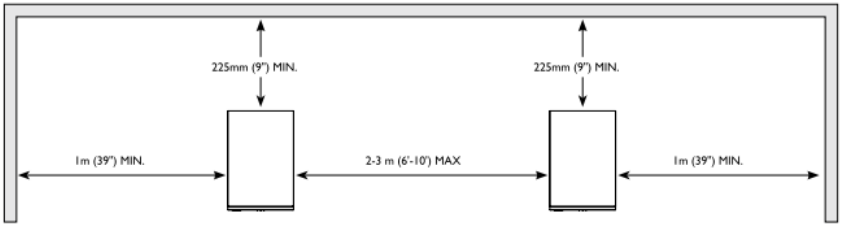
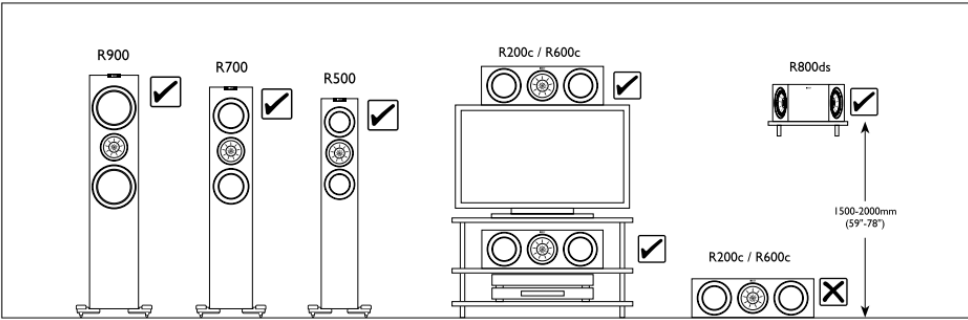
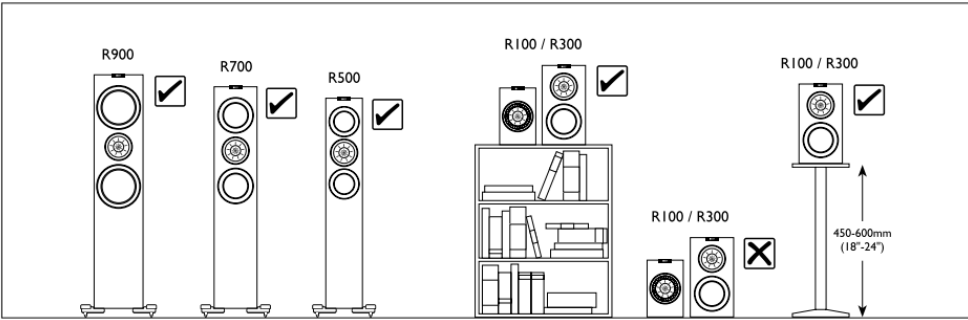
- Follow this manual carefully for the best results from your speakers
- Read and return the warranty card
- Clean with a dry lint free cloth
- Do not use spirit-based cleaners. Avoid damp
- Avoid temperature extremes
- Avoid direct sunlight
- SAFETY NOTICE! trailing cables are dangerous, secure all cables

Plinth – R500/R700/R900



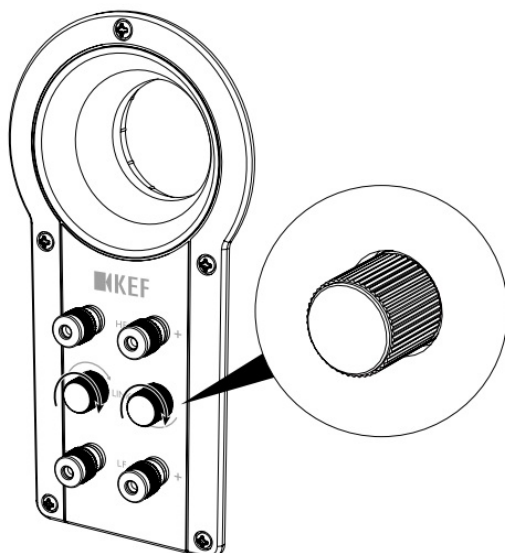


Positioning

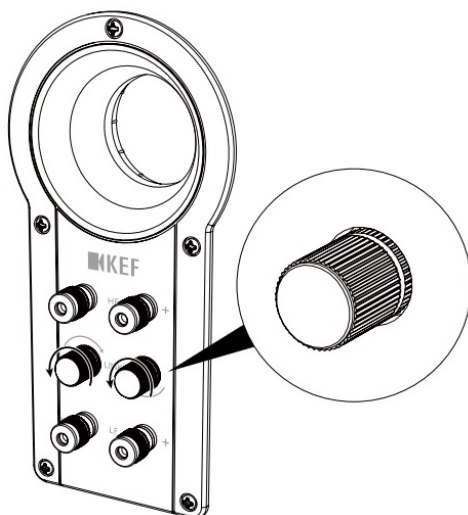


Link Connection

Single wire setting



Bi-wired setting

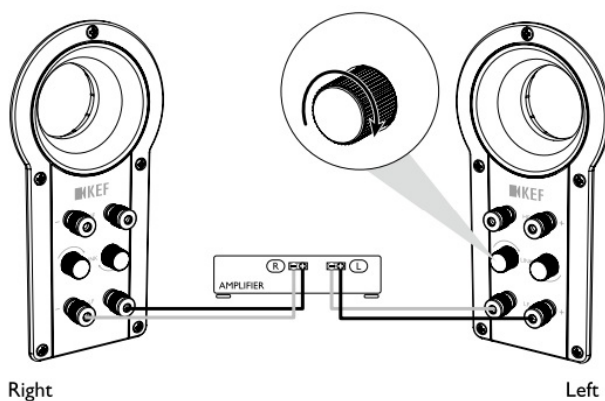


Connections

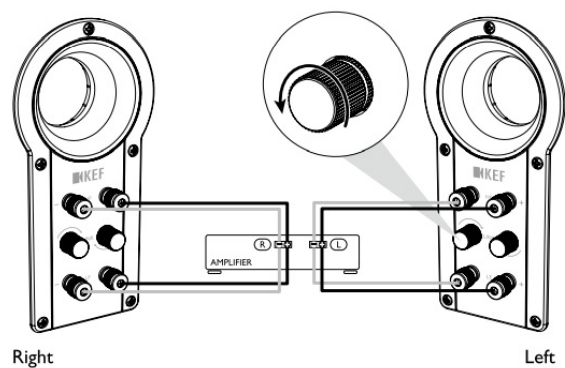


R100 / R300 / R500 / R700 / R900

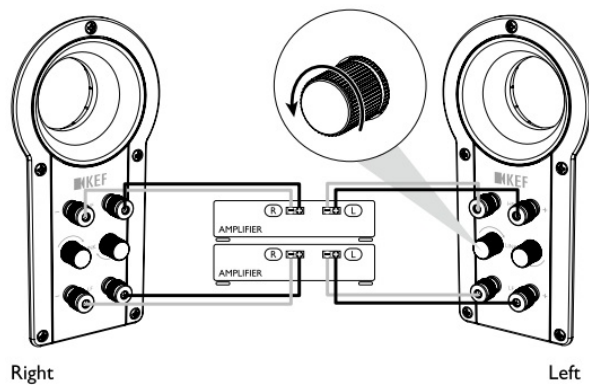
Single wire connections



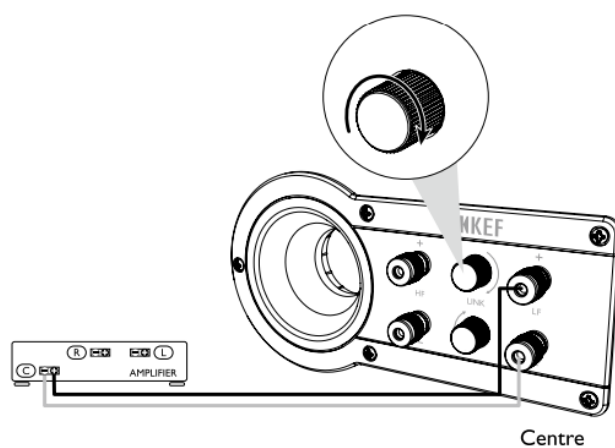
Bi – wired connections



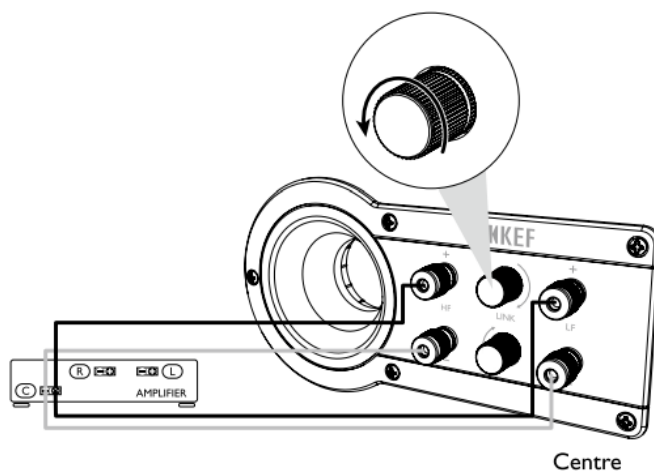
Bi- amplified connections



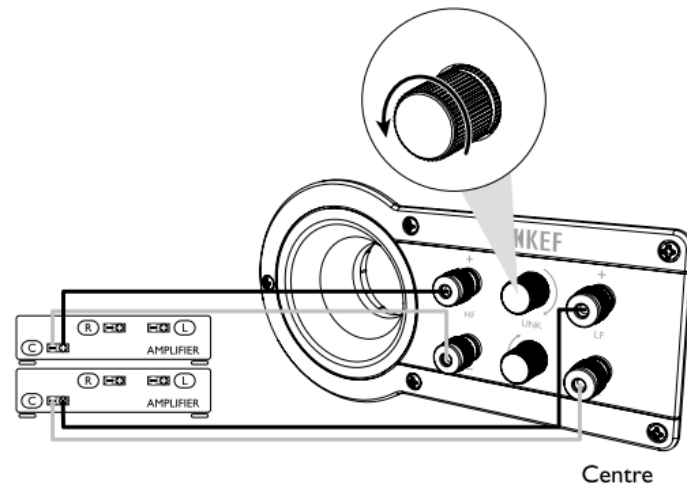
**R200c/R600c
Single wire connection**



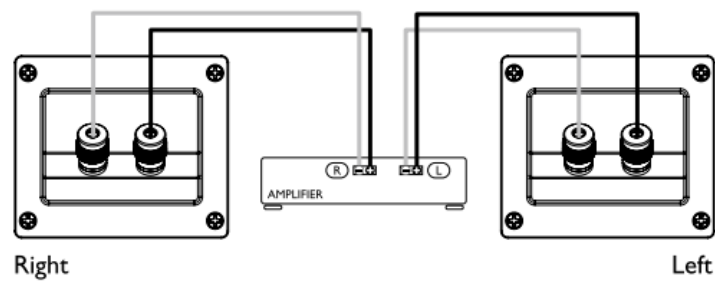
Bi – wired connection



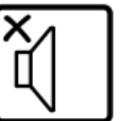
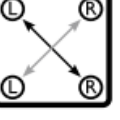
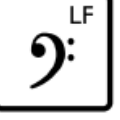
Bi – amplified connections

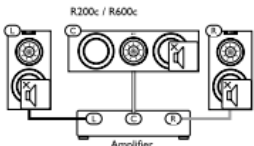
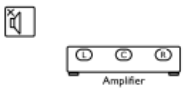
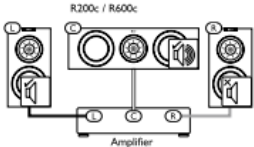
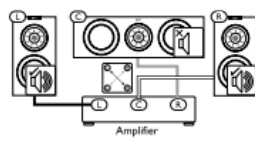
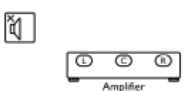
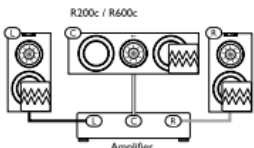
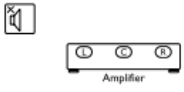
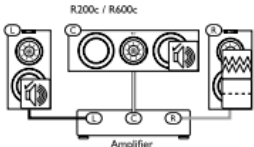
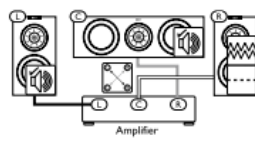
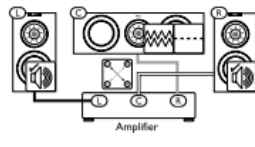
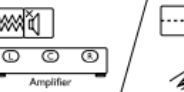
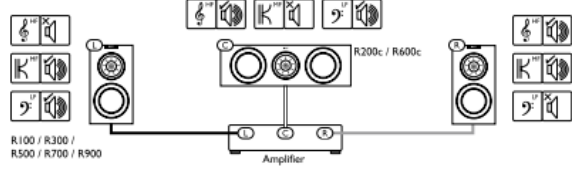
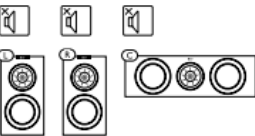


R800ds
Single wire connections

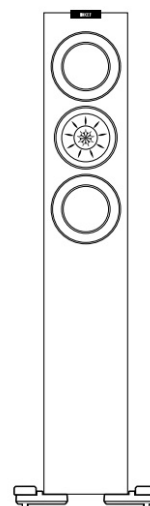
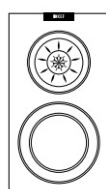


Fault finding – 1 Problem / 2 Action / 3 Cause

	Working
	Treble/HF
	Intermittent sound
	Not working
	Mid-range/MF
	Distorted sound
	Switch cables
	Bass/LF

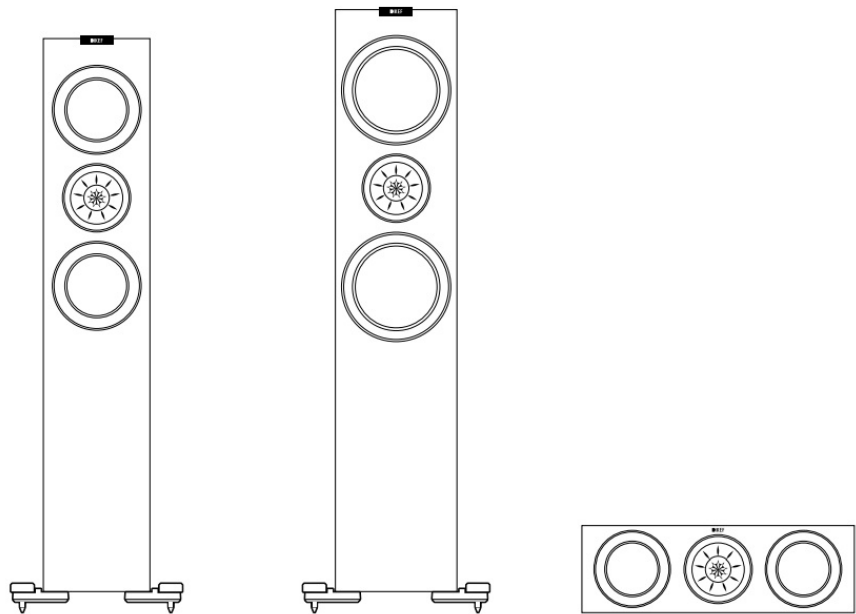
1 Problem	2 Action	3 Cause
 R200c / R600c R100 / R300 / R500 / R700 / R900 Amplifier		 Amplifier
 R200c / R600c R100 / R300 / R500 / R700 / R900 Amplifier	 Amplifier	 Amplifier
 R200c / R600c R100 / R300 / R500 / R700 / R900 Amplifier		 Amplifier
 R200c / R600c R100 / R300 / R500 / R700 / R900 Amplifier	 Amplifier	 Amplifier
	 Amplifier	 Amplifier
1 Problem	3 Cause	
 R200c / R600c R100 / R300 / R500 / R700 / R900 Amplifier		

Specifications



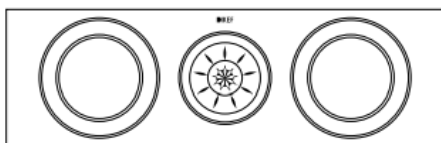
Model	R100	R300	R500
Design	Two-way bass reflex	Three-way bass reflex	Three-way bass reflex
Drive units	Uni-Q driver array HF: 25mm (1 in.) vented aluminium dome MF: 130mm (5.25in.) aluminium	Uni-Q driver array HF: 25mm (1 in.) vented aluminium dome MF: 125mm (Sin.) aluminium Bass units: LF: 165mm (6.5in.) aluminium	Uni-Q driver array HF: 25mm (1 in.) vented aluminium dome MF: 125mm (Sin.) aluminium Bass units: LF: 2 x 130mm (5.25in.) aluminium
Frequency range (-6dB)	49Hz – 45kHz	42Hz – 45kHz	39Hz – 45kHz
Frequency response (± 3 dB)	56Hz – 28kHz	50Hz – 28kHz	46Hz – 28kHz
Crossover frequency	2.5kHz	500Hz, 2.8kHz	500Hz, 2.8kHz
Amplifier requirements	25 – 100W	25 – 120W	25 – 150W
Sensitivity (2.83V/1m)	86dB	88dB	88dB
Harmonic distortion 2nd & 3rd harmonics (90dB, 1m)	<0.4% 150Hz-20kHz	<0.4% 130Hz-20kHz	<0.4% 120Hz-20kHz
Maximum output	107dB	110dB	111dB
Nominal impedance	80 (min. 3.20)	80 (min. 3.20)	80 (min. 3.20)
Weight	6.6kg (14.5lbs.)	12kg (26.4lbs.)	21.8kg (48.1lbs.)
Dimension (H x W x D) (with grille and terminal)	280 x 180 x 289 mm (11 x 7.1 x 11.4 in.)	385 x 210 x 345 mm (15.2 x 8.3 x 13.6 in.)	1015 x 180 x 305 mm (40 x 7.1 x 12 in.)

Dimension (H xW x D) (with grille, terminal & plinth)	N/A	N/A	1066 x 299x 328 mm (42 x 11.8 x 12.9 in.)
---	-----	-----	---



Model	R700	R900	R200c
Design	Three-way bass reflex	Three-way bass reflex	Three-way bass reflex
Drive units	Uni-Q driver array: HF: 25mm (1 in.) vented aluminium dome MR 125mm (5in.) aluminium Bass units: LF: 2 x 165mm (6.5in.) aluminium	Uni-Q driver array HF: 25mm (1 in.) vented aluminium dome MR 125mm (5in.) aluminium Bass units: LF: 2 x 200mm (8in.) aluminium	Uni-Q driver array HF: 25mm (1 in.) vented aluminium dome MR 125mm (5in.) aluminium Bass units: LF: 2 x 130mm (5.25in.) aluminium
Frequency range (-6dB)	37Hz – 45kHz	35Hz – 45kHz	52Hz – 45kHz
Frequency response (±3dB)	42Hz – 28kHz	40Hz – 28kHz	65Hz – 28kHz
Crossover frequency	500Hz, 2.9kHz	400Hz, 2.9kHz	500Hz, 2.8kHz

Amplifier requirements	25 – 200W	25 – 250W	25 – 150W
Sensitivity (2.83V/1m)	89dB	90dB	87dB
Harmonic distortion 2nd & 3rd harmonics (90dB, 1m)	<0.4% 100Hz-20kHz	<0.4% 80Hz-20kHz	<0.4% 120Hz-20kHz
Maximum output	113dB	115dB	111dB
Nominal impedance	80 (min. 3.20)	80 (min. 3.70)	80 (min. 3.20)
Weight	25.9kg (57.1 lbs.)	29.5kg (65lbs.)	14.4kg (31.7lbs.)
Dimension (H x W x D) (with grille and terminal)	1070 x 210 x 345 mm (42.1 x 8.3 x 13.6 in.)	1130 x 240 x 365mm (44.5 x 9.4 x 14.4 in.)	170 x 530 x 305 mm (6.7 x 20.9 x 12 in.)
Dimension (H x W x D) (with grille, terminal & plinth)	1121 x 329 x 368 mm (44.1 x 13.0 x 14.5 in.)	1181 x 359 x 388 mm (46.5 x 14.1 x 15.3 in.)	N/A



Model	R600c	R800ds
Design	Three-way bass reflex	Three-way dipole
Drive units	Uni-Q driver array: HF: 25mm (1 in.) vented aluminium dome MF: 125mm (5 in.) aluminium Bass units: LF: 2 x 165mm (6.5 in.) aluminium	Uni-Q driver array: HF: 2 x 25mm (1 in.) vented aluminium dome MF: 2 x 130mm (5.2 in.) aluminium
Frequency range (-6dB)	50Hz – 45kHz	90Hz – 45kHz
Frequency response (±3dB)	60Hz – 28kHz	100Hz – 28kHz
Crossover frequency	500Hz, 2.9kHz	300Hz, 2.5kHz
Amplifier requirements	25 – 200W	25 – 100W
Sensitivity (2.83V/1 m)	89dB	85dB
Harmonic distortion 2nd & 3rd harmonics (90dB, 1 m)	<0.4% 100Hz-20kHz	<0.4% 100Hz-20kHz
Maximum output	113dB	107dB
Nominal impedance	80 (min. 3.20)	80 (min. 3.20)
Weight	17.2kg (37.9lbs.)	7.4kg (16.3lbs.)
Dimension (H x W x D) (with grille and terminal)	200 x 630 x 335 mm (7.9 x 24.8 x 13.2 in.)	180 x 350 x 184 mm (7.1 x 13.8 x 7.2 in.)
Dimension (H x W x D) (with grille, terminal & plinth)	N/A	N/A

KEF reserves the right, in line with continuing research and development, to amend or change specifications. E&OE.

10 Timber Lane, Marlboro
New Jersey 07746 U.S.A.
Tel: +1 (732) 683 2356
Fax: +1 (732) 683 2358

KEF and Uni-Q are registered trademarks. Uni-Q and other KEF technologies are protected by worldwide patents.
All text and image copyrights are reserved. KEF reserves the right, in line with continuing research and development, to amend or change specifications. E&OE.



UNI-Q Issue 2: 09.2011
P/N: 4301-5414+1

Documents / Resources

	KEF R Series Loudspeaker [pdf] Installation Guide R Series, R100, R300, R500, R700, R900, R200c, R600c, R800ds, R Series Loudspeaker, Loudspeaker
---	--

[Manuals+](#)