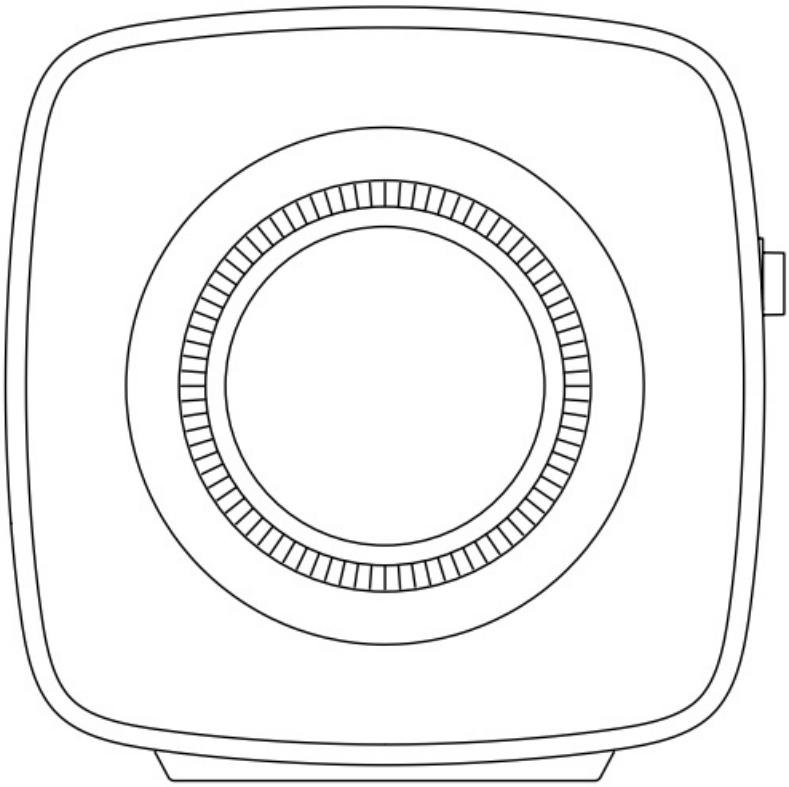
KEF KC62 Uni-Core Force Cancelling Subwoofer User Manual

User Manual
KC62
Uni-Core Force Cancelling Subwoofer



WARNING: The apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

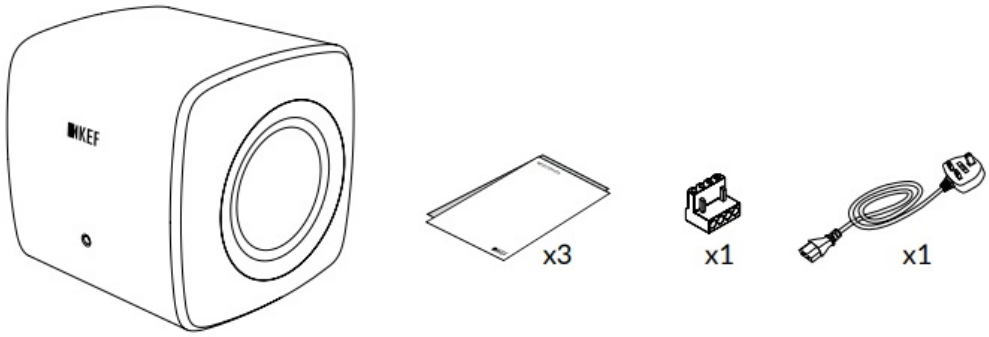
Contents

Introduction

Thank you for purchasing the KEF KC62 powered subwoofer. We are confident that your KC62 will provide reliable, high-performance sound for many years to come. Please read this manual fully before you attempt any connection to the KC62.

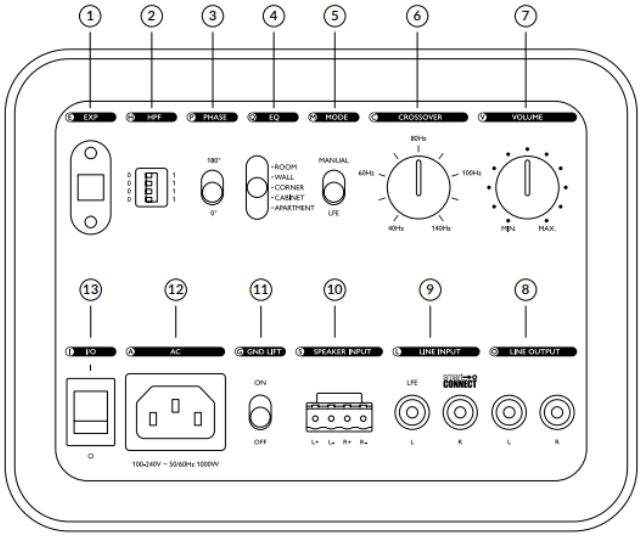
This product complies with the Canadian ICES-003 Class B specifications, CAN ICES-3(B)/ NMB-3(B).

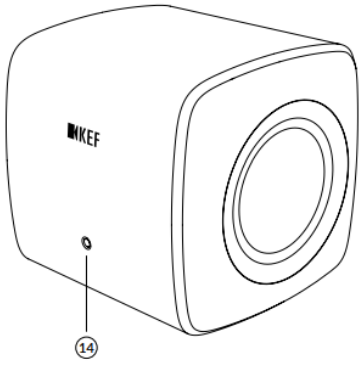
Inside the box



Contents vary by region.

Controls and sockets



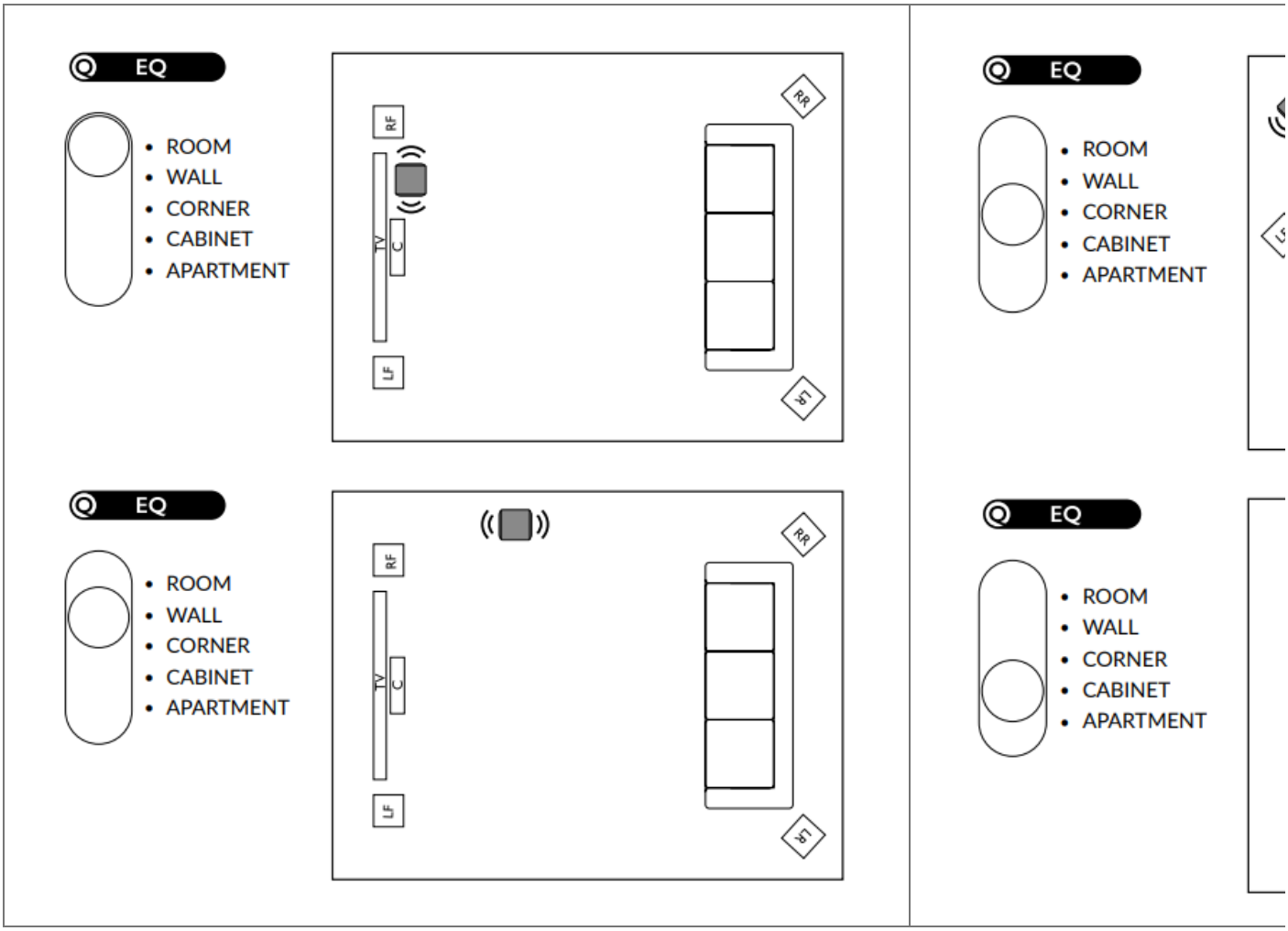


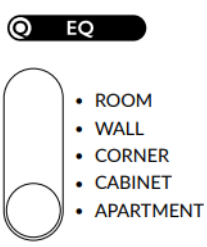
Controls and sockets

1. Expansion port	8. Line output
2. Line out high pass frequency (HPF)	9. LFE/ Line in with Smart Connect
3. Phase control	10. High level (speaker) input block
4. EQ	11. Ground lift
5. Mode	12 AC power input
6. Crossover frequency control	13. Power on/ off
7. Volume control	14. LED indicator light

Positioning

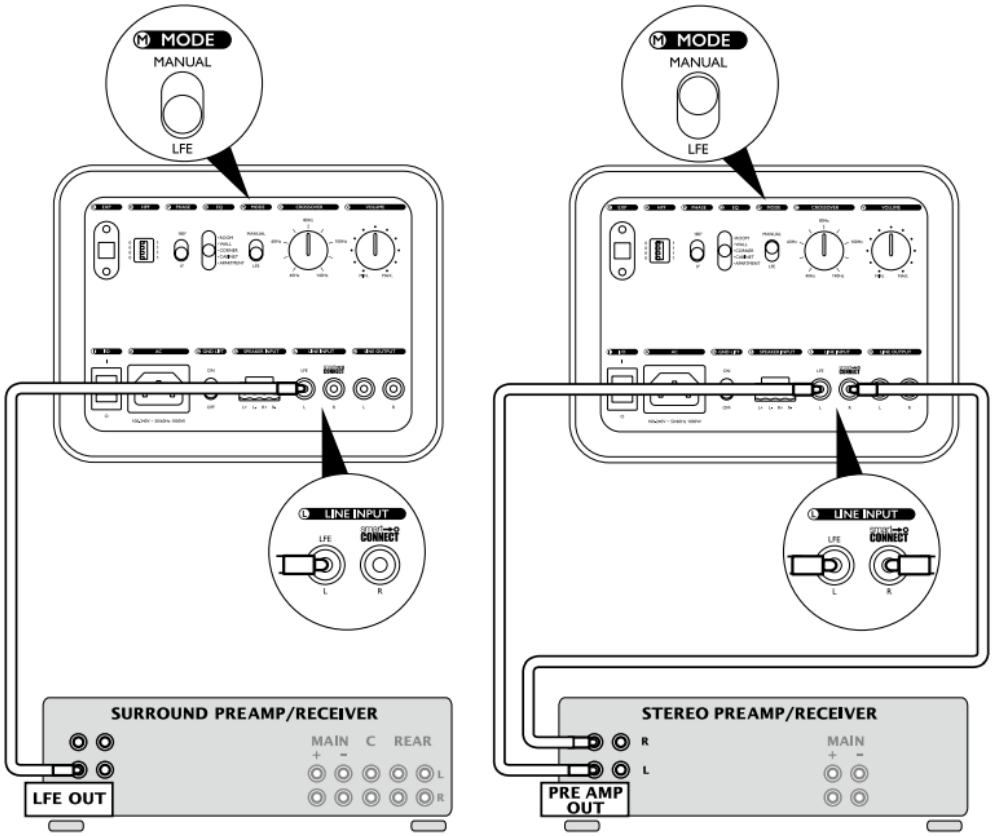
The KC62 is side-firing, therefore there should be a minimum of 77mm (3″) clearance between the drivers and any wall.



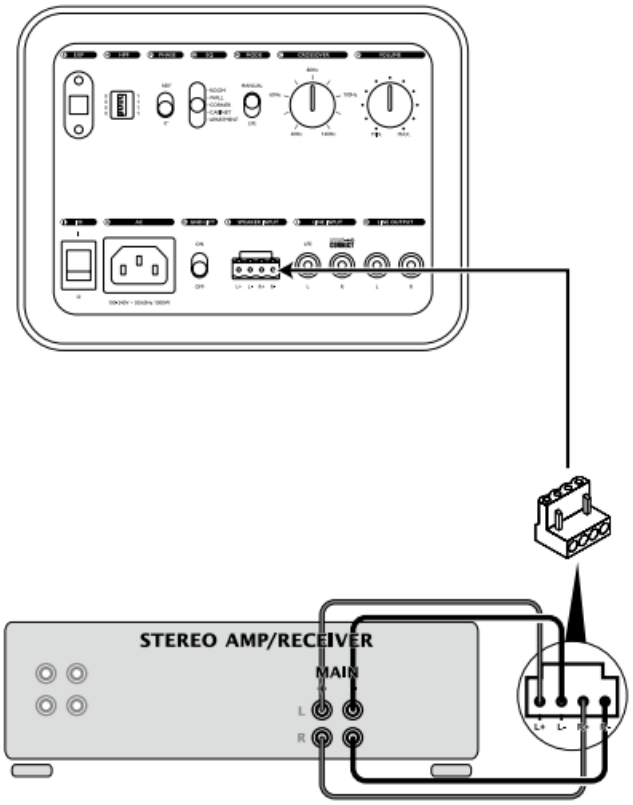


Low-frequency sound can travel through walls and be heard in adjacent rooms. To avoid disturbing neighbors set the EQ to “APARTMENT MODE” to reduce the level of very low frequencies.

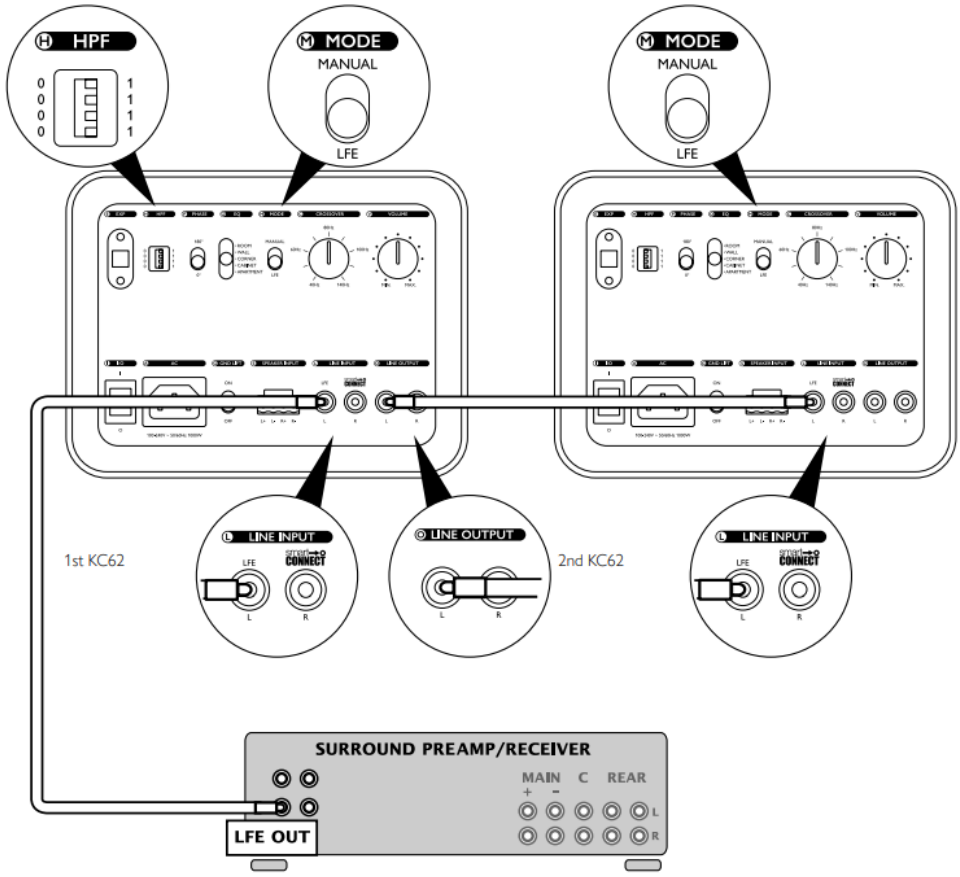
Connection to LINE INPUT from a preamp or receiver



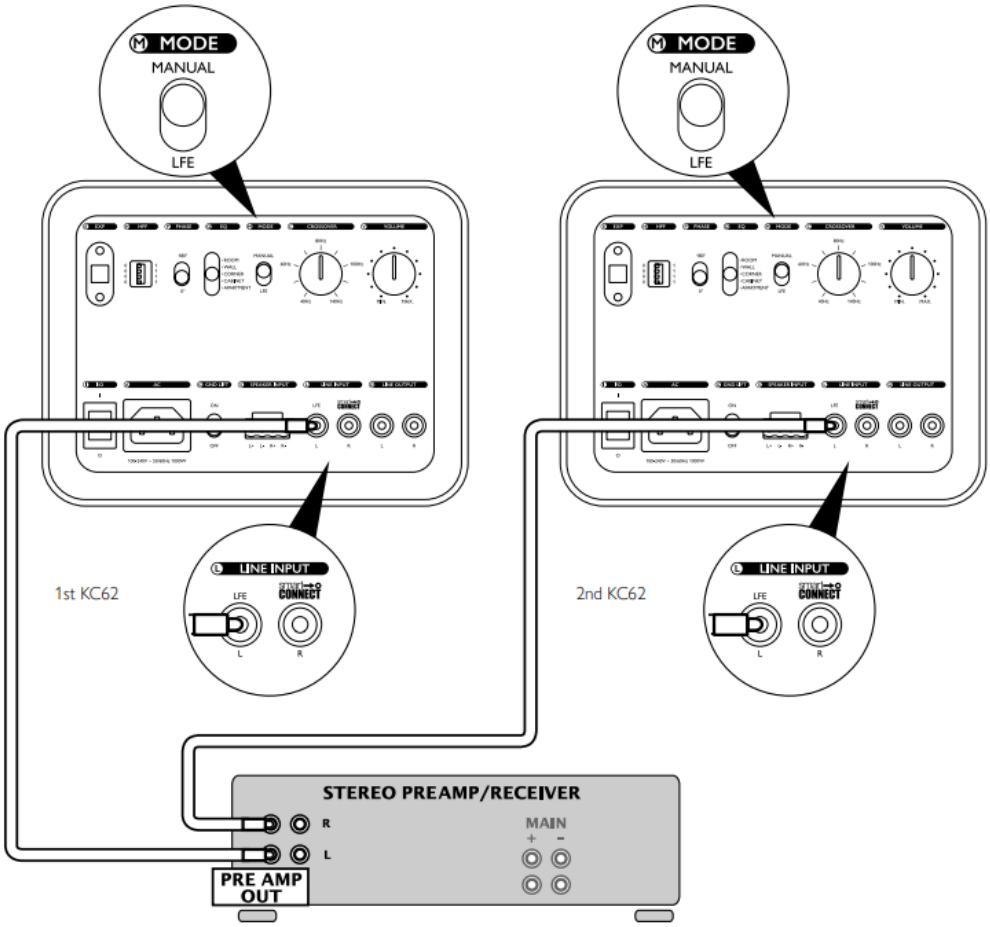
Connection to SPEAKER INPUT from a stereo amp or receiver



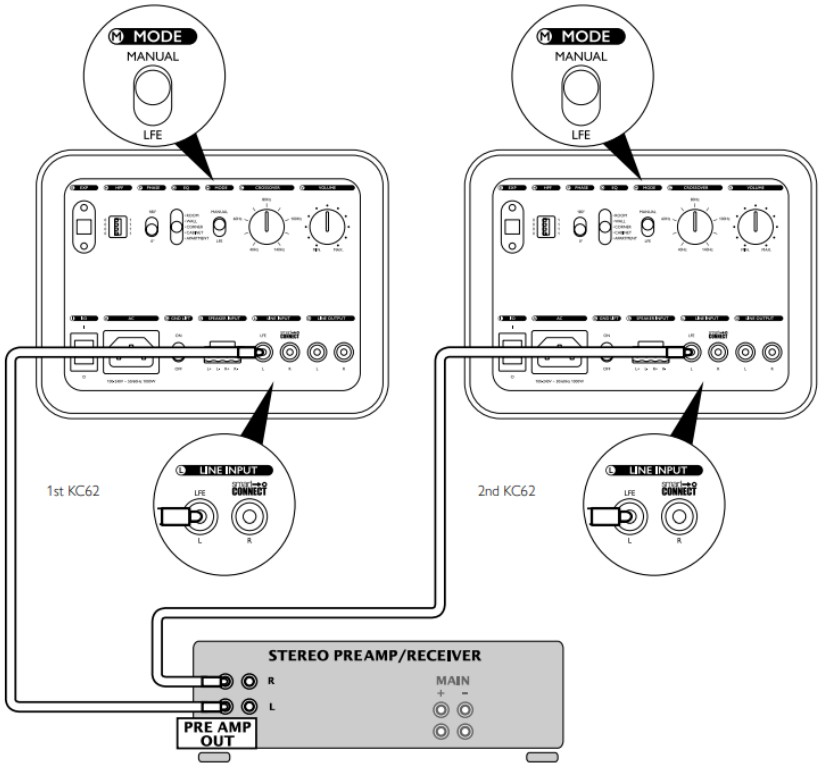
LFE connection to 2 subwoofers



Stereo connection to 2 subwoofers

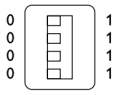


Connection to small speakers in a stereo music system



Connection to small speakers in a stereo music system

HPF

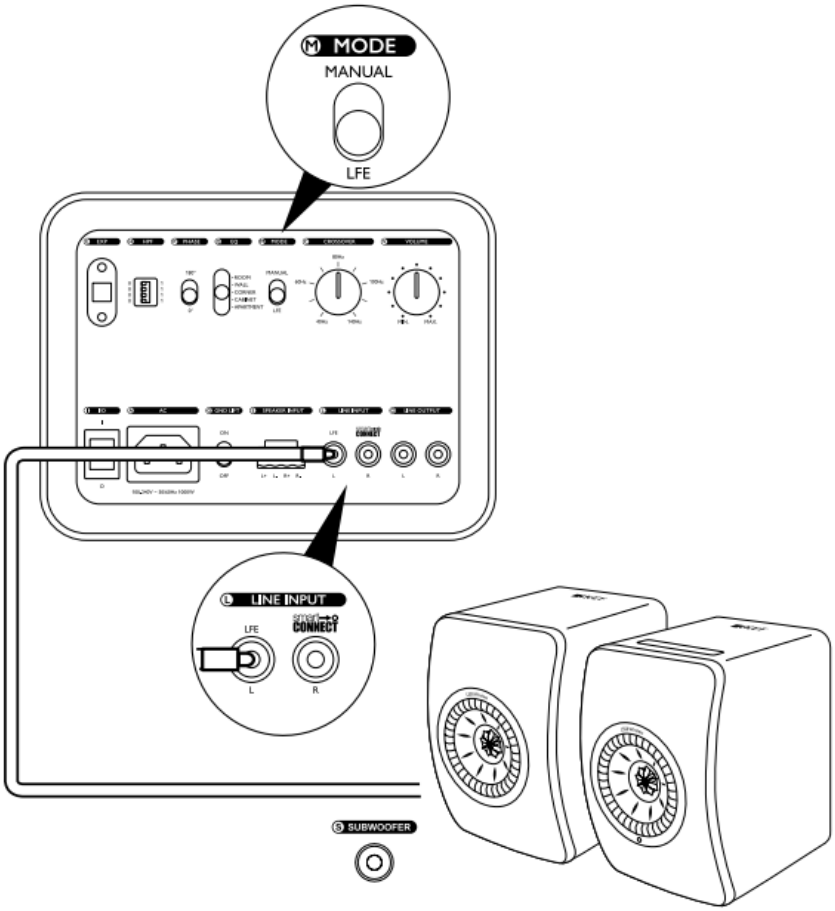


You can use the LINE OUT high pass frequency (HPF) of the KC62 to match the KC62's frequency response to speakers.

1. Connect the amplifier for the speakers to the LINE OUTPUT
2. Adjust the high pass frequency through LINE OUT HPF to optimize the performance of the speakers. Please refer to the frequency settings on the table.

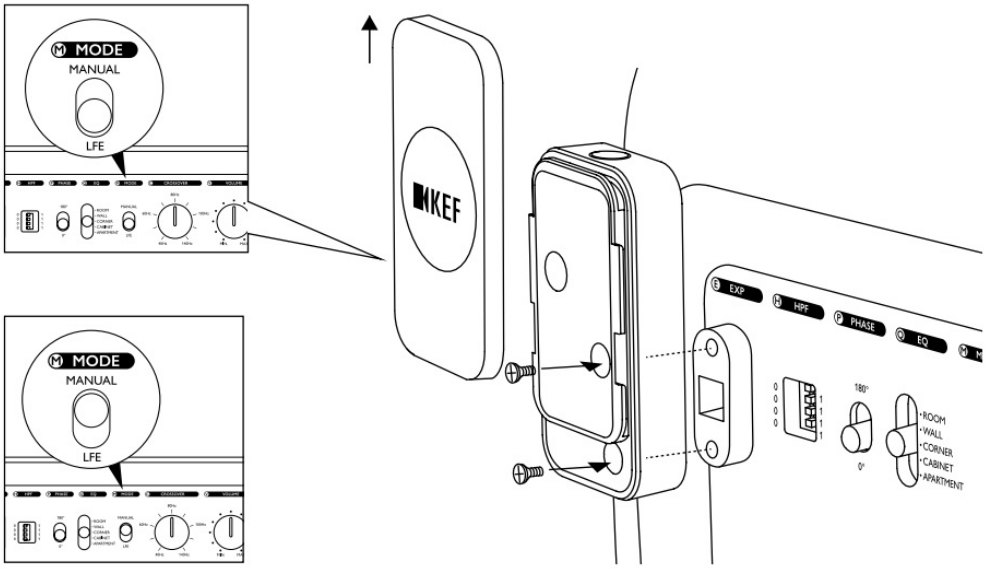
DIP	High Pass (Hz)	Stereo/ Mono
0000	Bypass	Stereo
1000	40	Stereo
0100	45	Stereo
1100	50	Stereo
0010	55	Stereo
1010	60	Stereo
0110	70	Stereo
1110	80	Stereo
0001	90	Stereo
1001	100	Stereo
0101	110	Stereo
1101	120	Stereo
0011	40	Mono
1011	80	Mono
0111	100	Mono
1111	Bypass	Mono

Connection to LINE INPUT from LSX / LS50W / LS50W II
When using LSX / LS50W / LS50W II, set MODE to LFE, and use their respective KEF app to set the high and low pass frequencies.



Connection to KW1 Wireless Subwoofer Adapter Kit (Optional accessory)

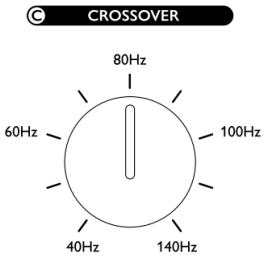
SURROUND RECEIVER



STEREO RECEIVER

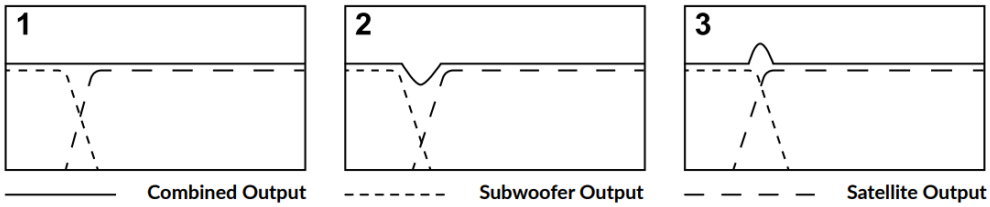
Please refer to the detailed setup in KW1 user manual.

Controls



Crossover frequency control & mode

The crossover frequency control changes the upper cut-off frequency of the subwoofer. Its effective range is from 40Hz to 140Hz at a rate of 24dB per octave. The frequency control should be adjusted to achieve the smoothest integration between the main/satellite speakers and the subwoofer. Clockwise rotation will increase the cut-off frequency and anti-clockwise rotation will decrease the cut-off frequency.



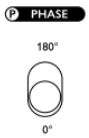
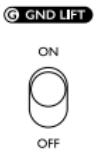
1. Ideal crossover – flat response.
2. Crossover point set too low – causes dip in combined response.
3. Crossover point set too high – causes hump in combined response.

If your receiver/preamp does not have a subwoofer crossover

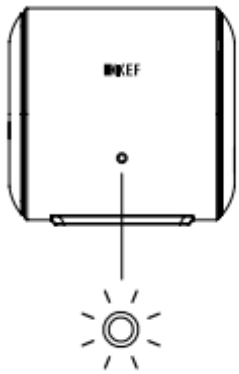
1. Set the “Mode” button to MANUAL.
2. Start with the crossover on the subwoofer at 80Hz and adjust up or down till you find the best match with your speakers.

If your AV amplifier/receiver/preamp has a subwoofer crossover

1. Set the “Mode” button to LFE
2. Start with the crossover on the AV amplifier/receiver/preamp at 80Hz and adjust up or down till you find the best match with your speakers.

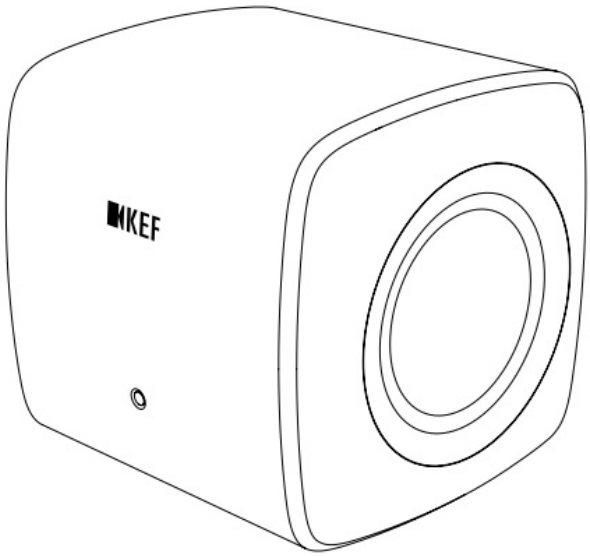
	**Volume control** The volume control adjusts the output level of the subwoofer in relation to the satellite or AV speaker output level. Clockwise rotation to increase the output level or anti-clockwise to decrease the output l evel.
	**Phase control** The phase control will normally be set at 0º but more output level can sometimes be achieved in the 180º position, particularly when the subwoofer is far away from the satellite speakers.
	**Ground lift** If you hear ground-related noise, make sure your system is properly grounded and that all antenna, s atellite, or CATV lines are properly grounded. If noise continues, set the “GND LIFT” button to “ON” t o reduce or eliminate any remaining ground noise

LED indicator light



Standby	Amber
On	White (6 sec) > Off
Error	Blinking amber

Specifications



Model	KC62
Design	Force cancellation
Drive units	2 x 6.5″ drivers
Frequency response (-3dB)	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
Power requirements	100-240 V — 50/60 Hz
Power consumption	1000W
Dimension (H x W x D) with Rear panels a nd Feet	246 x 256 x 248 mm
Weight	14kg (30.8lbs)
Optional accessory	KW1 Wireless Subwoofer Adapter Kit

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

For product registration, please visit

https://kef.world/kc62reg

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Documents / Resources

	KEF KC62 Uni-Core Force Cancelling Subwoofer [pdf] User Manual KC62, Uni-Core Force Cancelling Subwoofer, Force Cancelling Subwoofer, Subwoofer
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References

- KEF US | KEF USA
- choose-your-location | KEF International
- User Manual

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