

GENELEC®

STEP BY STEP SETUP GUIDE




1

Listening distance up to:	Front speakers (Stereo & LCR)
1.8 m	8020A
2.0 m	8030A
2.2 m	8040A/8240A
2.3 m	8050A/8250A
2.4 m	1032A
3.5 m	1037C
4.0 m	1038B & BC
4.5 m	1034B & BC
4.7 m	1039A
5.5 m	1035B
5.5 m	1036A

2

Room volume up to:	Subwoofers for 2-channel (Stereo)	Subwoofers for 5-channel (Surround)
65 m ³	7050B	7050B
75 m ³	7050B	7060B/7260A
85 m ³	7060B/7260A	7070A/7270A
95 m ³	7070A/7270A	7071A/7271A
110 m ³	7070A/7270A	7071A/7271A
125 m ³	7071A/7271A	7073A
170 m ³	7071A/7271A	7073A
200 m ³	7073A	2x7073A
240 m ³	7073A	2x7073A
400 m ³	2x7073A	3x7073A
400 m ³	2x7073A	3x7073A

3

Monitors	 -3 dB LF extension	SPL short term RMS @ 1 m *)
8020A	65 Hz	95 dB
8030A	55 Hz	100 dB
8040A/8240A	45 Hz	105 dB
8050A/8250A	35 Hz	110 dB
1032A	40 Hz	113 dB
1037C	35 Hz	116 dB
1038B	33 Hz	120 dB
1034B	32 Hz	123 dB
1039A	29 Hz	126 dB
1035B	29 Hz	131 dB
1036A	19 Hz	131 dB

*) Maximum short term sine wave acoustic output on axis in half space, averaged from 100 Hz to 3 kHz @ 1 m.

Subwoofers	Frequency +/-3 dB	SPL short term RMS @ 1 m
7050B	25-85(120) Hz	100 dB
7060B/7260A	19-85(120) Hz	108 dB
7070A/7270A	19-85(120) Hz	112 dB
7071A/7271A	19-85(120) Hz	118 dB
7073A	19-85(120) Hz	124 dB

Notes

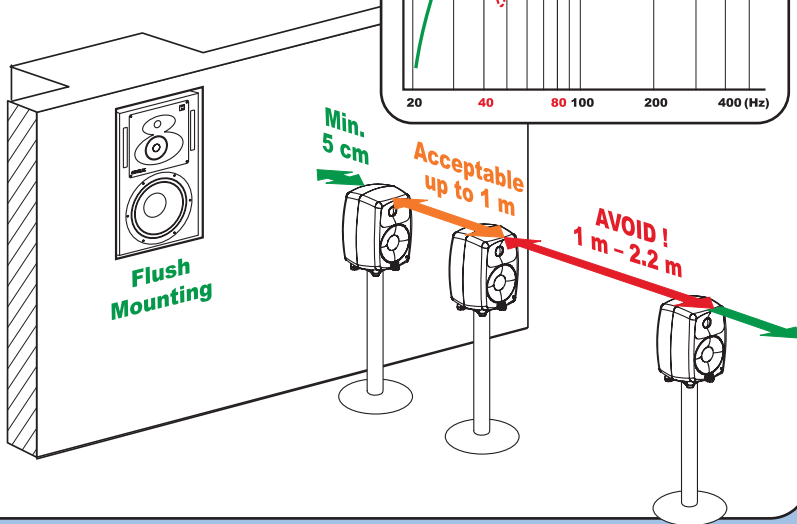
Useful low frequency spectrum extension:

- Female fundamental frequency 230 Hz
- Male fundamental frequency 120 Hz
- Guitar 80 Hz
- 5 strings Electric bass 31 Hz
- Tuba (horn) 45 Hz
- Double bass 40 Hz
- Concert grand piano 29 Hz
- Large Pipe Organ 16 Hz

4

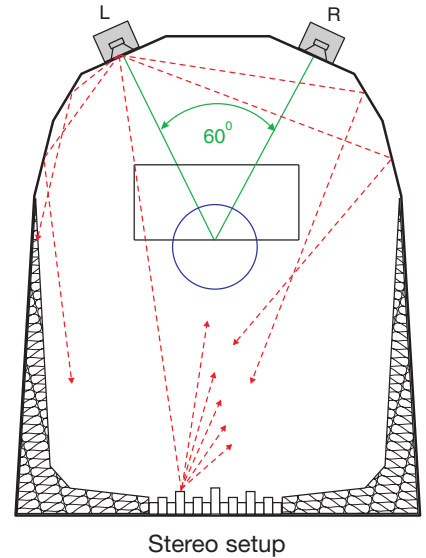
Placing speakers in relation to front wall

Distance from wall	First cancellation frequency
0.10 m	858 Hz
0.20 m	429 Hz
0.40 m	214 Hz
0.60 m	143 Hz
0.80 m	107 Hz
1.00 m	86 Hz
1.20 m	71 Hz
1.40 m	61 Hz
1.60 m	54 Hz
1.80 m	48 Hz
2.00 m	43 Hz
2.20 m	39 Hz
2.40 m	36 Hz
2.60 m	33 Hz
2.80 m	31 Hz
3.00 m	29 Hz



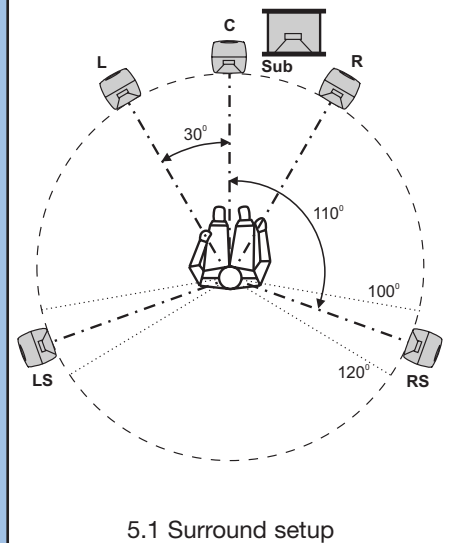
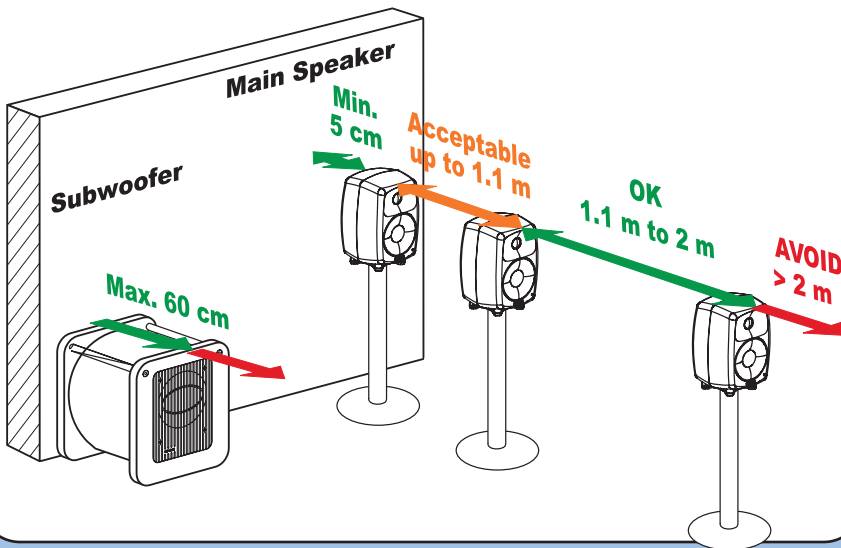
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Main speaker placement

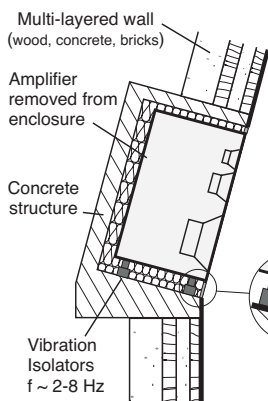


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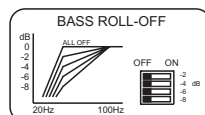
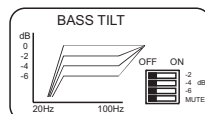
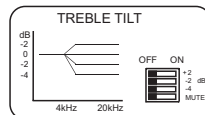
Placing free standing speakers with subwoofers



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8000 series needs ventilation and free air flow around the speaker cabinet and sufficient openings on top and bottom for proper LF response.



Flush mounting into a wall

- Flush mounting removes edge diffraction
- Eliminates reflection from the wall behind the speaker
- Increases LF speaker efficiency
- Provides higher system SPL and lower distortion

