

The beckersounds b502 is a 3-way home cinema front speaker including an associated cloud-capable DSP amplifier. It features our new hybrid technology, which combines the advantages of passive and actively controlled speakers. The state-of-the-art DSP amplifier also allows the use of a parametric equalizer for manual room measurement.

As the b502 is a bass-limited speaker, you will need a suitable subwoofer system. Alternatively, you can expand the b502 with the b1002 subwoofer to create a full-range speaker.

## Technical Data b502

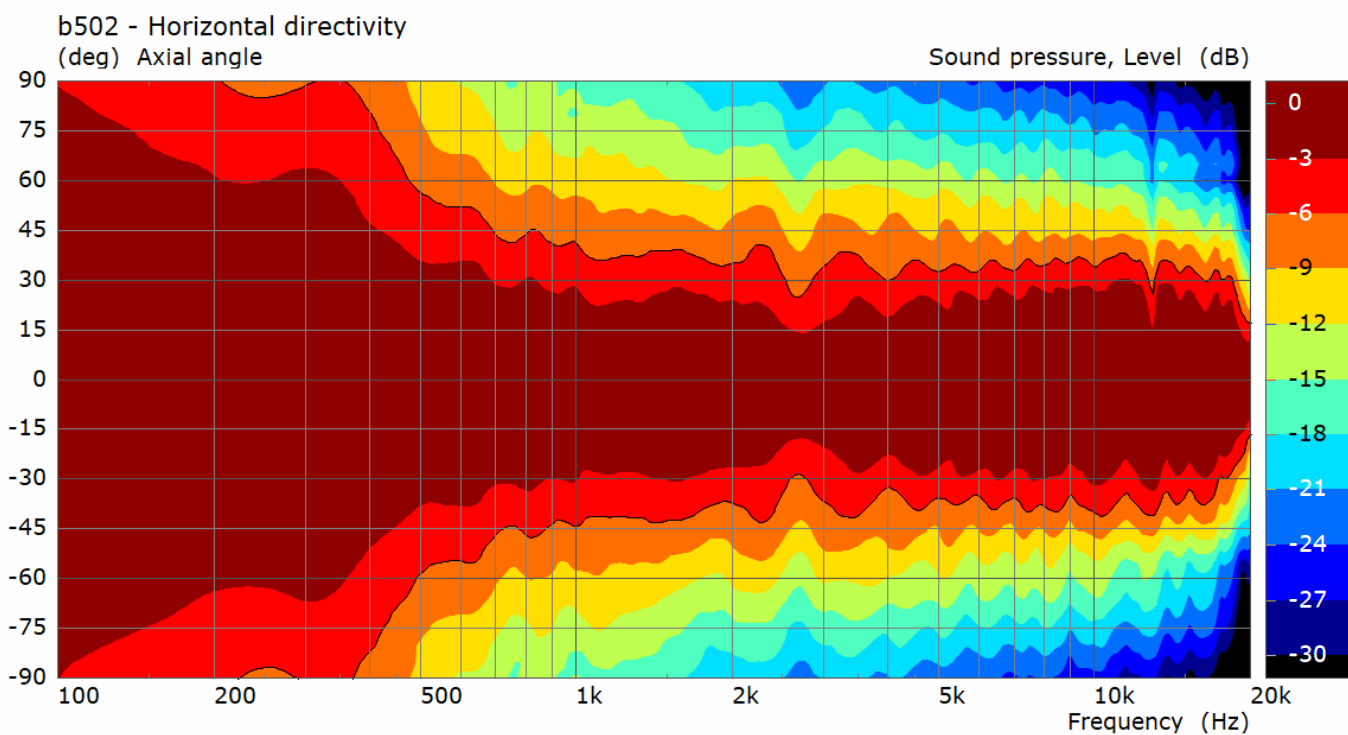
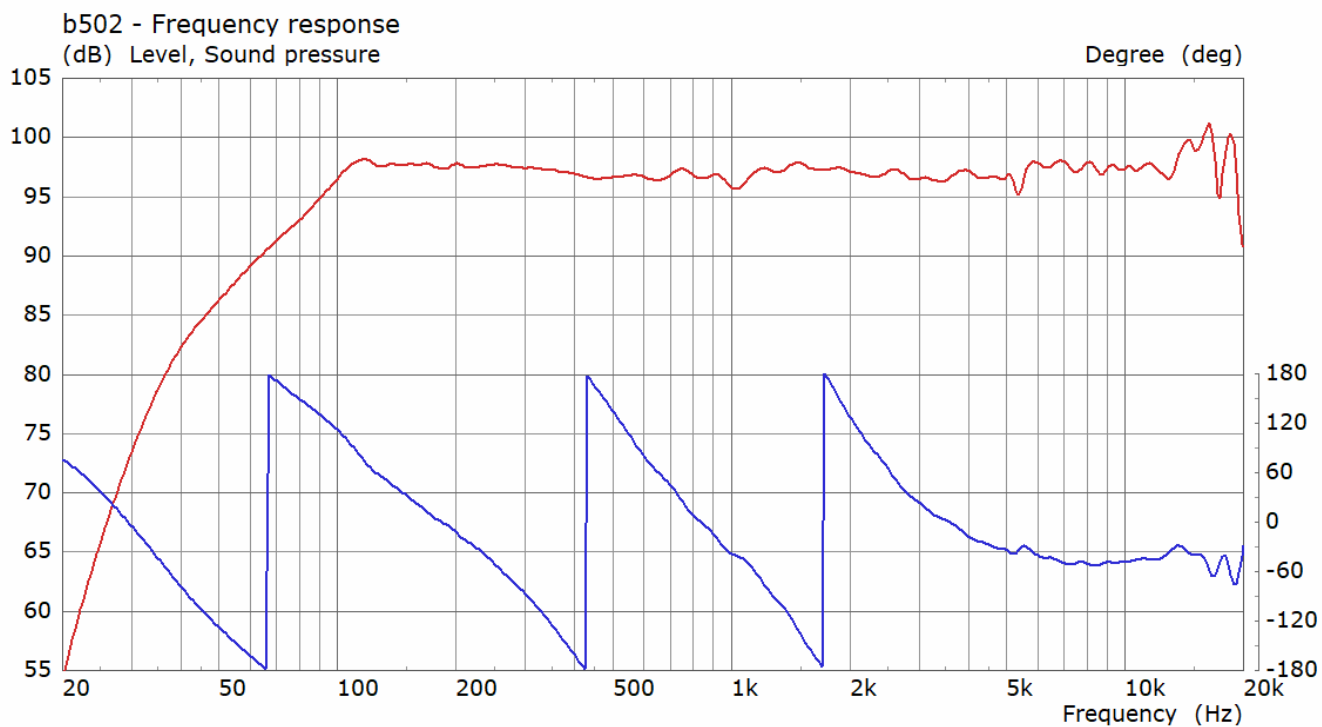
Frequency Response (+/-3dB)	80 Hz – 20 kHz
Maximum SPL free field at a distance of 1 meter	129 dB
Horizontal directivity	+/- 25°
Vertical directivity	+/- 15°
Tweeter	1"
Midrange driver	6"
Bass driver	15"
Connection options	Analog und Dante/AES67
Subwoofer as full-range extension	b1002
Dimensions (W x H x D)	45 cm x 92 cm x 28 cm
Acoustic center from the lower edge	61 cm
Weight	37 Kg

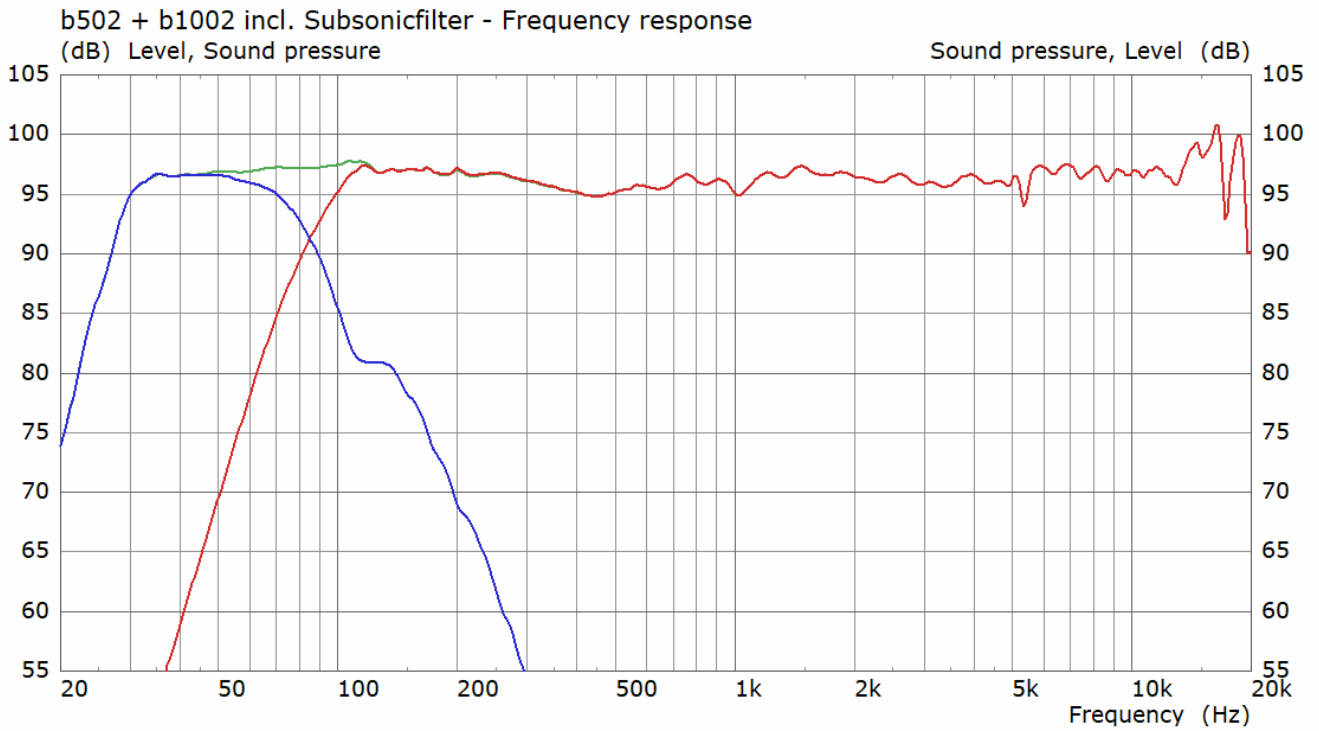


## Technical Data b502 with b1002

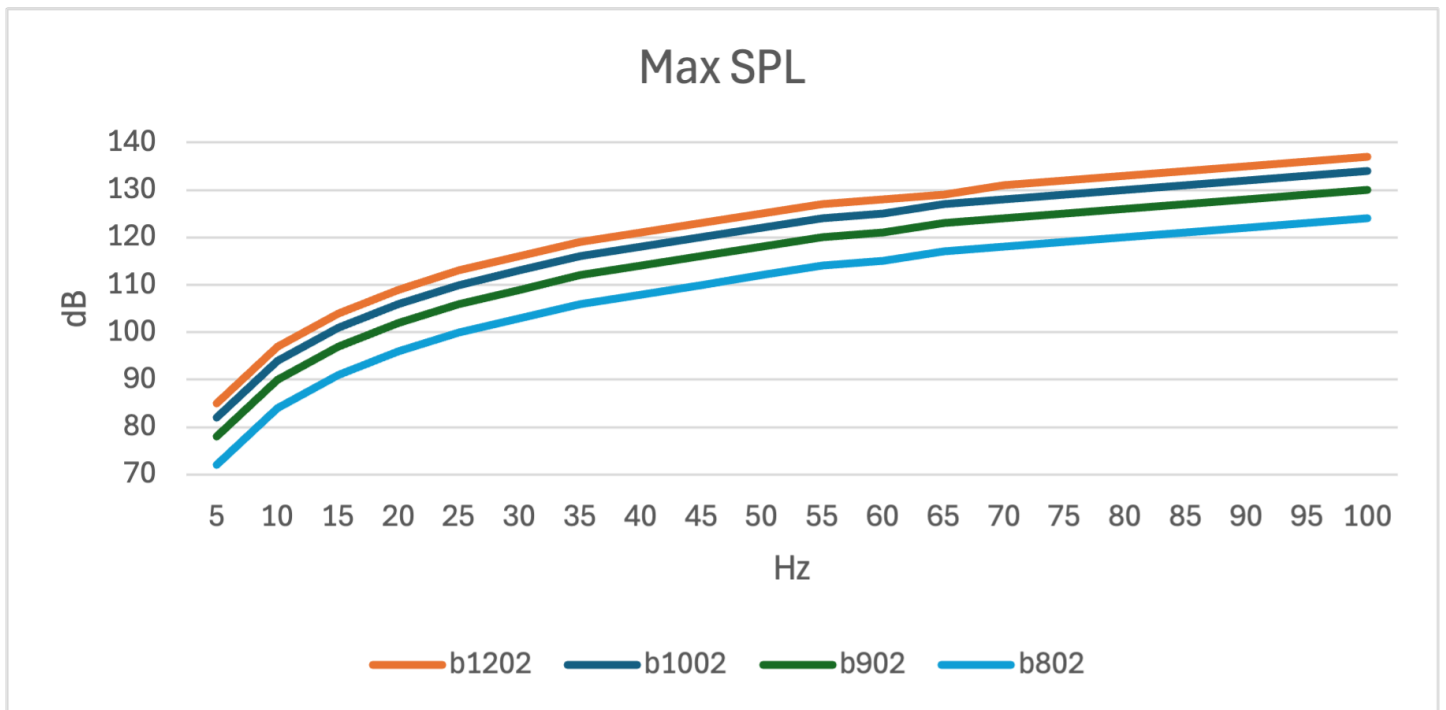
Frequency Response (+/-3dB) incl. protection filter *	28 Hz – 20 kHz
Maximum SPL free field at a distance of 1 meter	116 dB
Horizontal directivity	+/- 25°
Vertical directivity	+/- 15°
Tweeter	1"
Midrange driver	6"
Bass driver	15"
Subwoofer driver	18"
Connection options	Analog und Dante/AES67
Dimensions (W x H x D)	50 cm x 167 cm x 35 cm
Acoustic center from the lower edge	136 cm
Weight	71 Kg





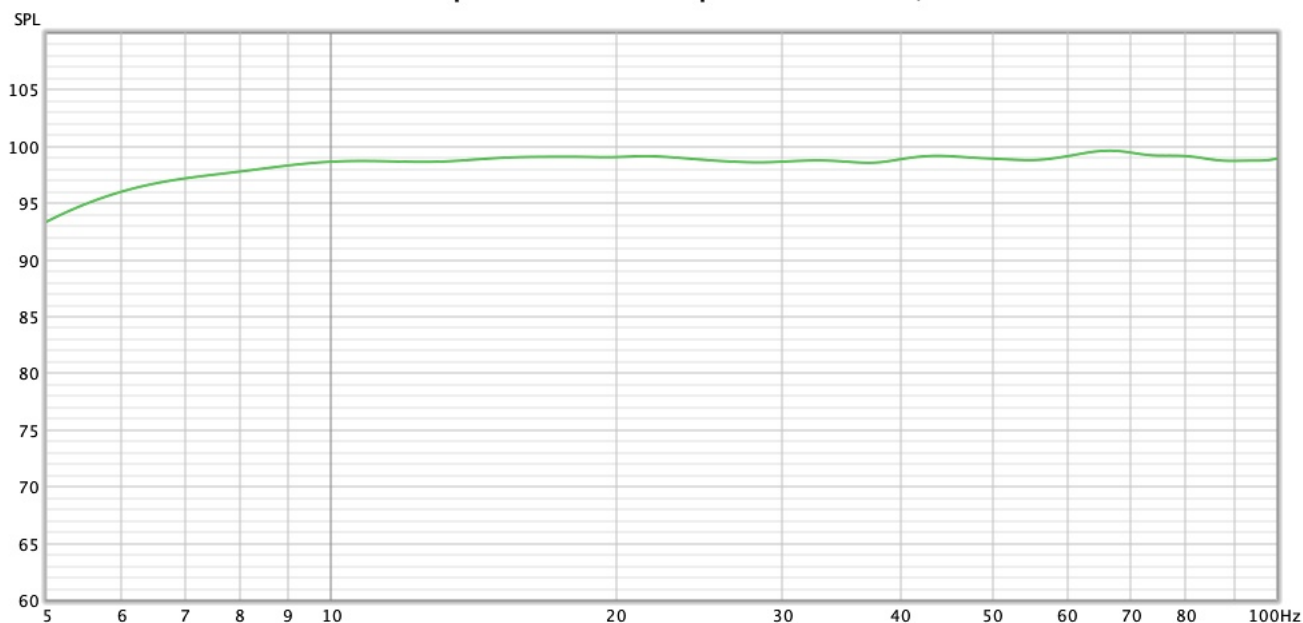


\* Incl. protection filter means that the frequency response has been deliberately cut towards the low frequencies for protection and to increase the maximum level. This is freely configurable. The resulting maximum level is shown in the following graphic.



Below is an example of how the frequency response can be adjusted to the low frequencies. This measurement was made at the listening position.

example in-room response with EQ



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