The beckersounds b252 is a 2-way home cinema surround 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 b252 is a bass-limited speaker, you will need a suitable subwoofer system. Alternatively, you can expand the b252 with the b902 subwoofer to create a full-range speaker.
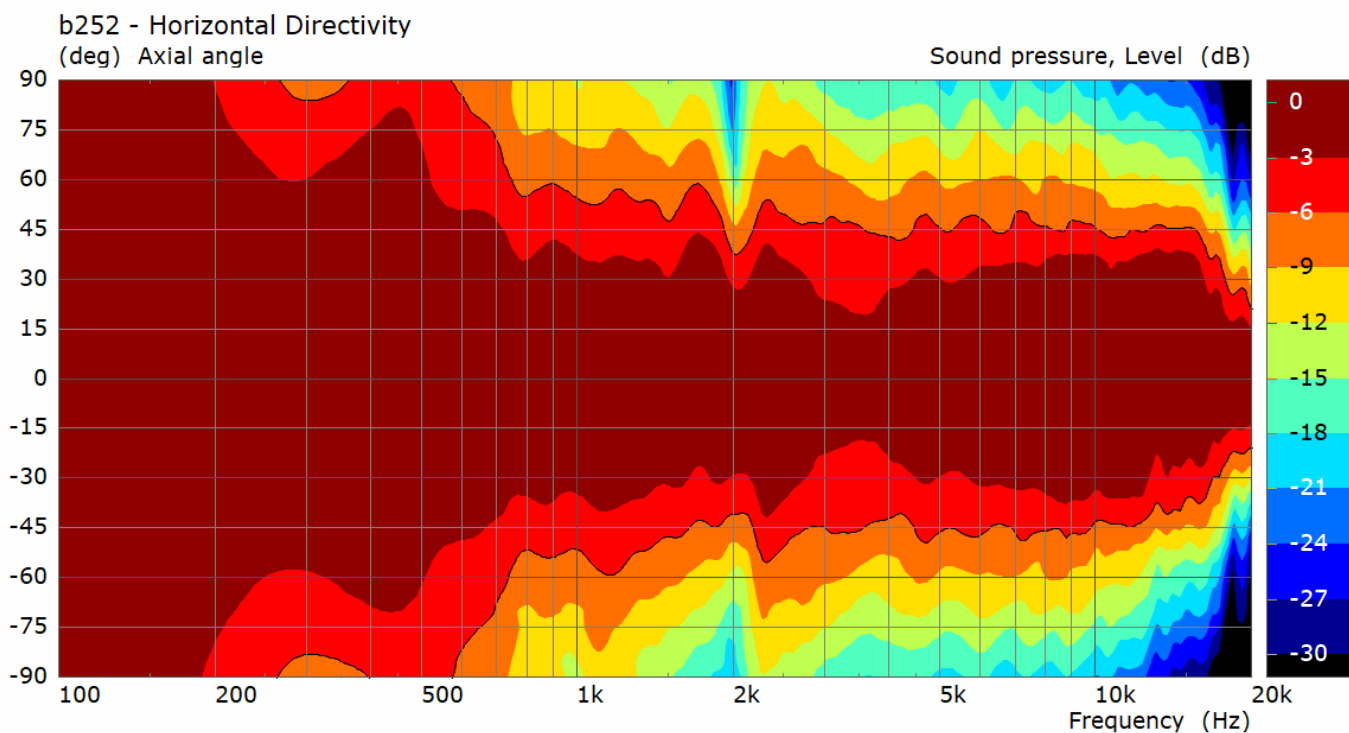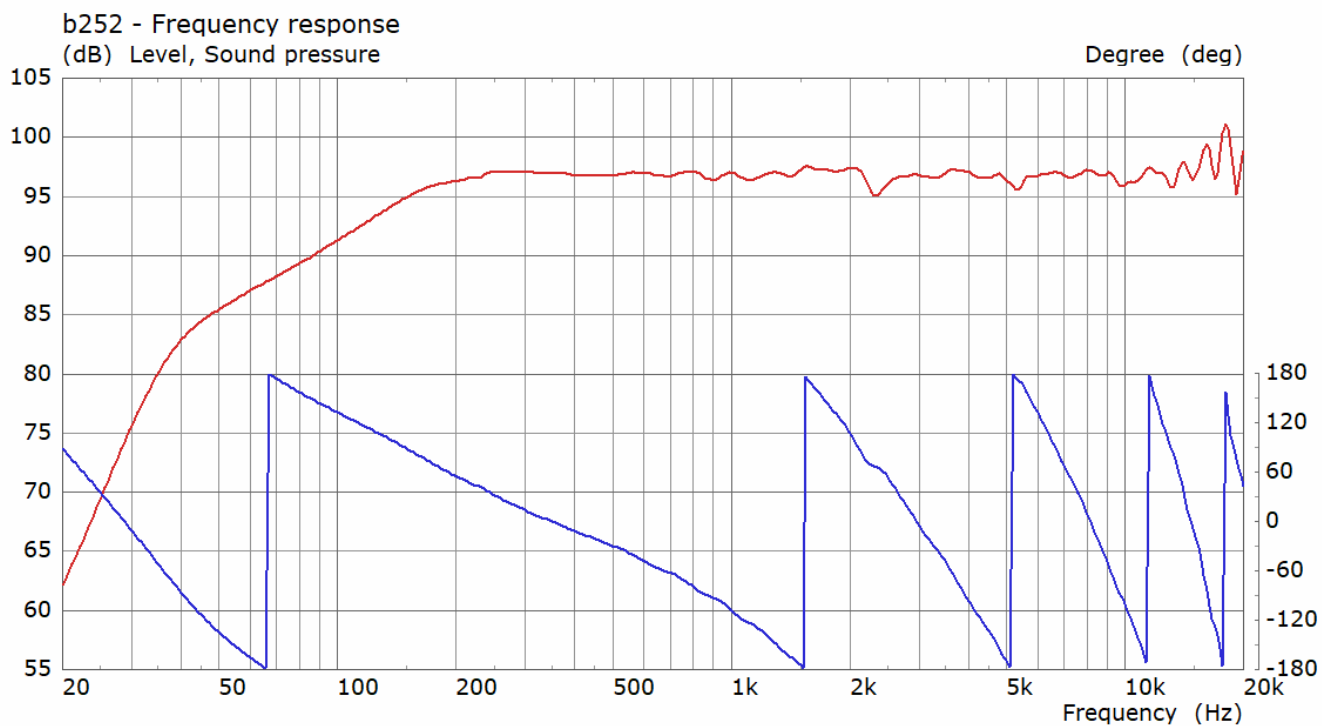
Technical Data b252

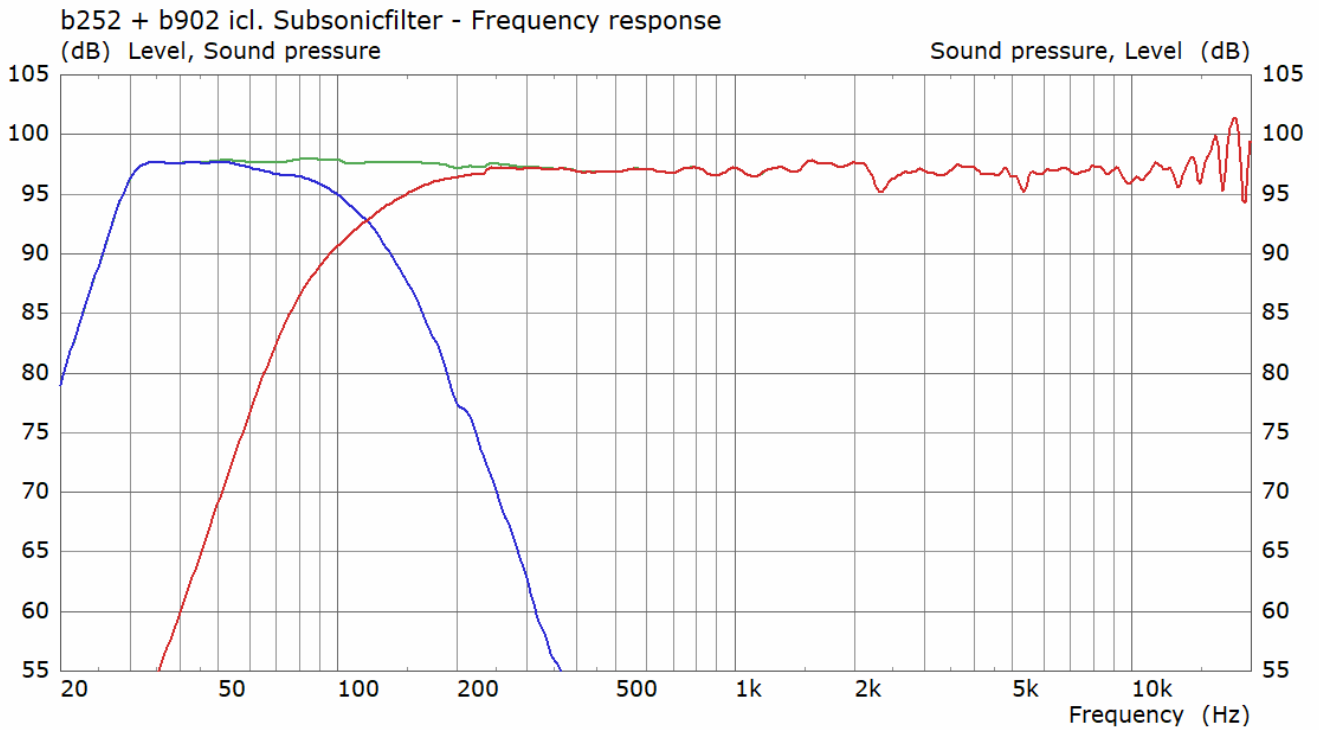|	
Frequency Response (+/-3dB)	80 Hz – 20 kHz
Maximum SPL free field at a distance of 1 meter	119 dB
Horizontal directivity	+/- 40°
Vertical directivity	+/- 30°
Tweeter	1"
Bass driver	10"
Connection options	Analog und Dante/AES67
Subwoofer as full-range extension	b902
Dimensions (W x H x D)	30 cm x 65 cm x 19 cm
Acoustic center from the lower edge	43 cm
Weight	14 Kg

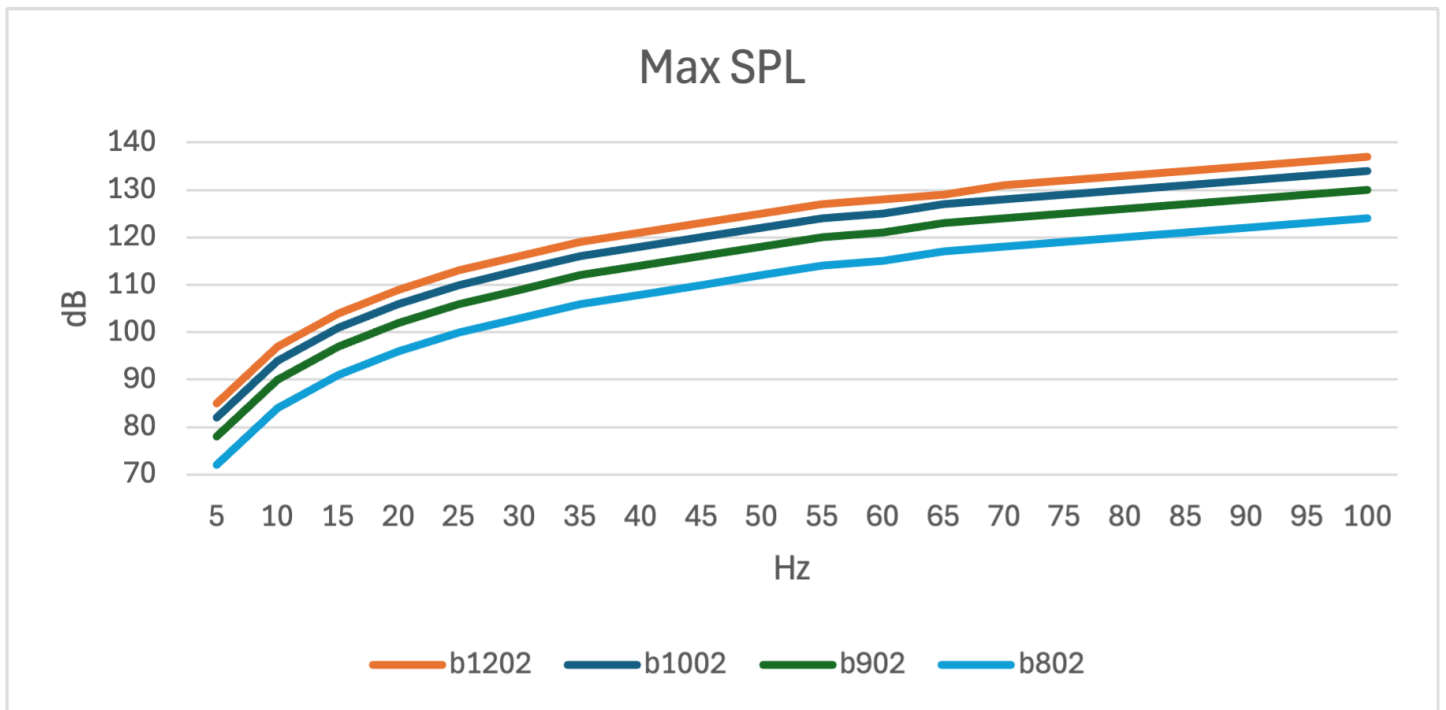## Technical Data b252 with b902

Frequency Response (+/-3dB) incl. protection filter *	28 Hz – 20 kHz
Maximum SPL free field at a distance of 1 meter	112 dB
Horizontal directivity	+/- 40°
Vertical directivity	+/- 30°
Tweeter	1"
Bass driver	10"
Subwoofer driver	15"
Connection options	Analog und Dante/AES67
Dimensions (W x H x D)	45 cm x 145 cm x 25 cm
Acoustic center from the lower edge	123 cm
Weight	45 Kg

beckersounds

b252

b252 - Frequency response

(dB) Level, Sound pressure

Degree (deg)

b252 - Horizontal Directivity

(deg) Axial angle

Sound pressure, Level (dB)

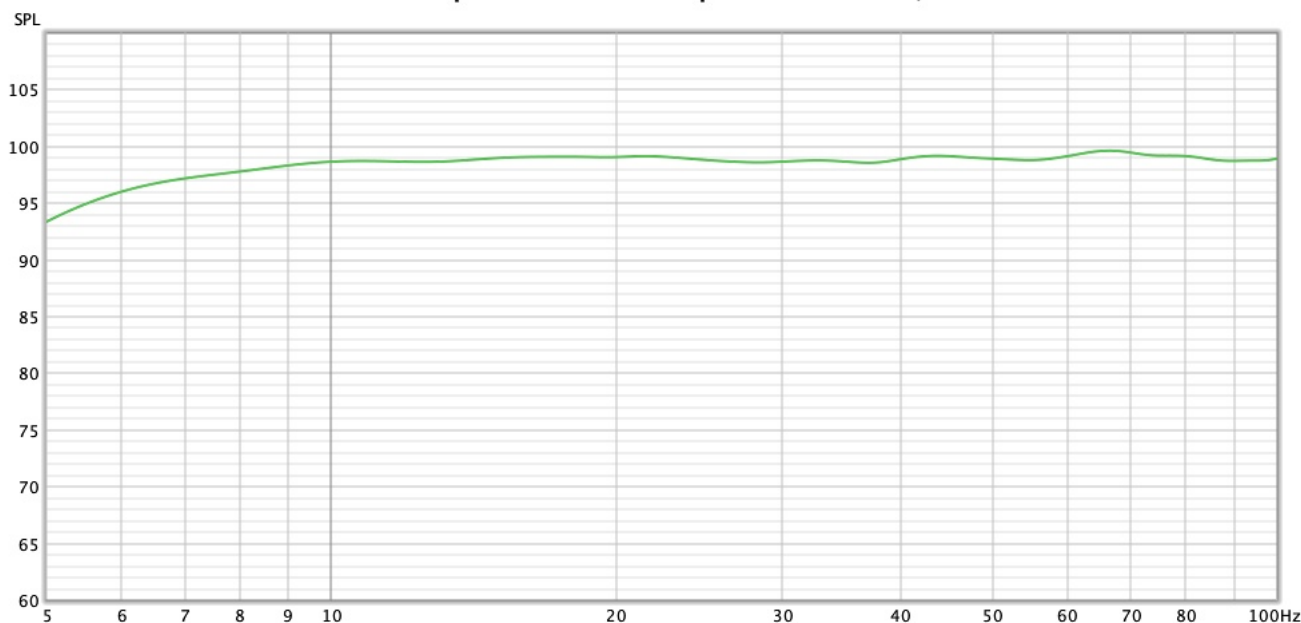### b252 + b902 icl. Subsonicfilter - Frequency response

* 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.

Max SPL

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