

Datasheet

Cochlear™ Baha® 6 Max Sound Processor



Cochlear Baha Connect¹ and Attract System²

Powered by the Xidium™ platform and the BCDrive™ II transducer, the Cochlear™ Baha® 6 Max Sound Processor is a premium-power bone conduction device. It provides output power for a fitting range of up to a 55 dB SNHL and is indicated for patients with conductive hearing loss, mixed hearing loss and single-sided sensorineural deafness (SSD).

Features

General	
Dual microphones	✓
Visual indicator (LED)	✓
Tamper resistant battery door ³	✓
On device button to change programs	✓
BCDrive II – Symmetrical electromagnetic transducer	✓
SmartSound® IQ signal processing	
Directionality	✓
Bilateral directionality	✓
Impulse noise reduction	✓
Noise management	✓
Wind noise reduction	✓
Feedback management	✓
Active gain	✓
Connectivity	
Direct streaming with Apple (MFi) & Android™ (ASHA) devices ⁴	✓
iOS & Android app ⁴	✓
Remote Firmware upgrade through app	✓
True Wireless™ device compatibility	
Cochlear Wireless Mini Microphone 2+ ⁵	✓
Cochlear Baha Remote Control 2	✓
Cochlear Wireless TV Streamer	✓
Cochlear Wireless Phone Clip	✓



Mint
P1668394



Black
P1668390



Copper
P1668393



Silver
P1668391



Blonde
P1668389



Brown
P1668392

Cochlear Baha 6 Max Sound Processor, 2mm:
P1809177 Blonde, **P1809178** Black, **P1809179** Silver,
P1809180 Brown, **P1809221** Copper, **P1809222** Mint

Made for
iPhone | iPad | iPod

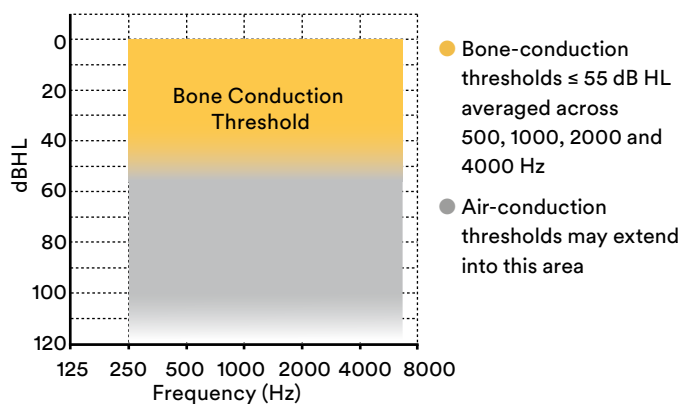
android 

Technical data

General		
Weight, excluding battery	11.5 g	
Size	26 mm × 19mm × 12 mm	
Processing delay	< 6 ms	
Battery type	312 (PR 41, Zinc-Air)	
Average battery life time ⁶	Typically 69 – 136 hours	
IP classification	IP68 ⁷	
Measurements according to IEC60118-9 2019 2nd Ed.		
	Baha Connect	Baha Attract
Output vibratory force level (re. 1 µN) (90 dB SPL input, FOG)	Max 121 dB HFA 113 dB	Max 121 dB HFA 112 dB
Acousto-mechanical sensitivity level (re. 1 µN /20 µPa) (50 dB SPL input, FOG)	Max 48 dB HFA 42 dB	Max 47 dB HFA 41 dB
Reference test acousto-mechanical sensitivity level (re. 1 µN /20 µPa) (60 dB SPL input, RTS)	HFA 35 dB	HFA 34 dB
Frequency range	200 – 9850 Hz	200 – 8750 Hz
Equivalent input noise	< 24 dB SPL	< 24 dB SPL
Battery current (65 dB SPL input at 1 kHz)	1.5 mA	1.5 mA
Total Harmonic Distortion		
70 dB SPL input at 500 Hz	< 3%	< 3%
70 dB SPL input at 800 Hz	< 0.3%	< 0.3%
65 dB SPL input at 1600 Hz	< 0.3%	< 0.3%
60 dB SPL input at 3200 Hz	< 0.3%	< 0.3%

FOG = Full On Gain, RTS = Reference Test Gain (FOG minus 7 dB),
HFA = High Frequency Average, SPL = Sound Pressure Level re. 20 µPa

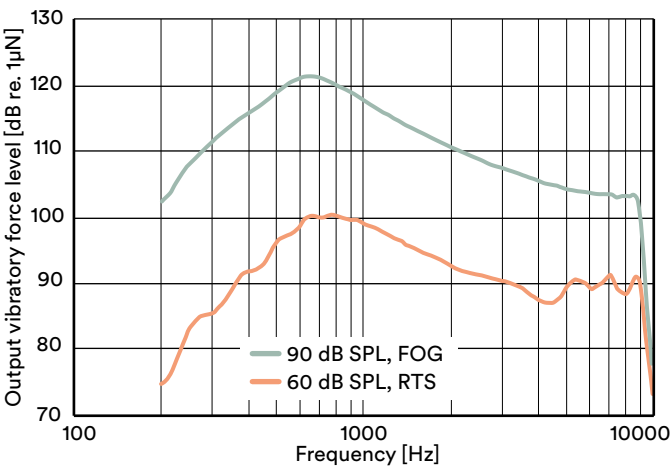
Fitting range



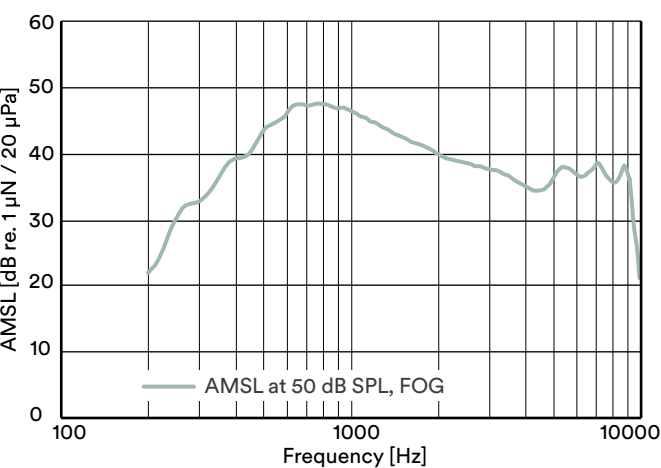
Baha Connect System with Baha 6 Max Sound Processor

Measured on skull simulator TU-1000

Output vibratory force level frequency responses



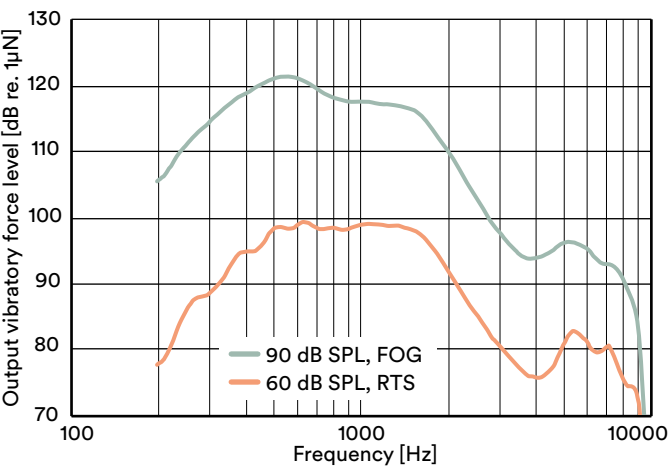
Acousto-mechanical sensitivity level frequency response



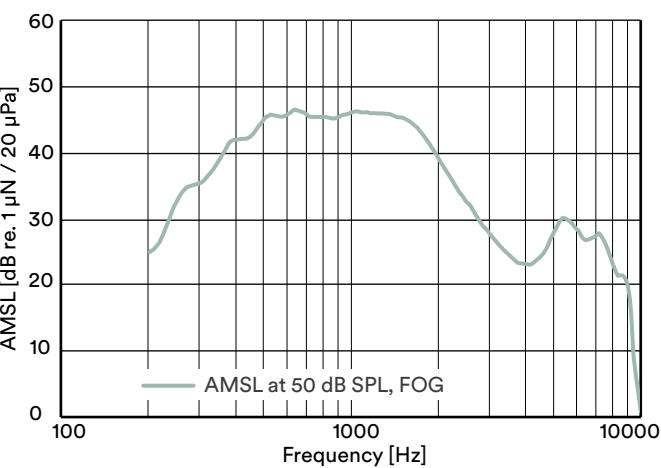
Baha Attract System with Baha 6 Max Sound Processor

Measured on Artificial Mastoid Type 4930

Output vibratory force level frequency responses



Acousto-mechanical sensitivity level frequency response



1. The Cochlear Baha Connect System consists of a compatible Baha sound processor, abutment and implant.
2. The Cochlear Baha Attract System consists of a compatible Baha sound processor, SP magnet, implant magnet and implant.
For details regarding compatibility visit www.cochlear.com.
3. Ordered as separate item.
4. The Cochlear Baha 6 Max Sound Processor is compatible with Apple and Android devices. The Cochlear Baha Smart App is available on App Store and Google Play. For compatibility information visit www.cochlear.com/compatibility.
5. Also compatible with Cochlear Wireless Mini Microphone and Cochlear Wireless Mini Microphone 2.
6. Battery life is dependent on streaming, sound environments and gain setting.
7. The Cochlear Baha 6 Max Sound Processor, with battery compartment excluded, is dust and water resistant to level IP68 of the International Standard IEC60529. Refer to the relevant user guide for more information.

Please seek advice from your health professional about treatments for hearing loss. Outcomes may vary, and your health professional will advise you about the factors which could affect your outcome. Always read the instructions for use. Not all products are available in all countries. Please contact your local Cochlear representative for product information.

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