Datasheet



Cochlear[™] Baha[®] 6 Max Sound Processor

Cochlear Baha Connect System*

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	
General	
Dual microphones	\checkmark
Visual indicator (LED)	\checkmark
Tamper resistant battery door ¹	\checkmark
On device button to change programs	\checkmark
BCDrive II – Symmetrical electromagnetic transducer	\checkmark
SmartSound [®] IQ signal processing	
Directionality	\checkmark
Bilateral directionality	\checkmark
Impulse noise reduction	\checkmark
Noise management	\checkmark
Wind noise reduction	\checkmark
Feedback management	\checkmark
Active gain	\checkmark
Connectivity	
Direct streaming with Apple (MFi) & Android™ (ASHA) devices²	\checkmark
iOS & Android app ²	\checkmark
Remote Firmware upgrade through app	\checkmark
Ready for Bluetooth [®] LE Audio ³	\checkmark
True Wireless™ devices compatibility	
Cochlear Wireless Mini Microphone 2+4	\checkmark
Cochlear Baha Remote Control 2	\checkmark
Cochlear Wireless TV Streamer	\checkmark
Cochlear Wireless Phone Clip	\checkmark



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

- 1. Ordered as separate item
- 2. 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
- 3. The Cochlear Baha 6 Max Sound Processor is compatible with Bluetooth LE Audio. For more information on Bluetooth LE Audio, visit www.bluetooth.com
- 4. Also compatible with Cochlear Wireless Mini Microphone and Cochlear Wireless Mini Microphone 2



^{Made for} **€ iPhone** | iPad | iPod





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 ¹	Typically 44 - 132 hours	
IP classification	IP68 ²	
Measurements according to IEC60118-9 2019 2nd Ed.		
Output vibratory force level (re. 1 µN) (90 dB SPL input, FOG)	Max 121 dB HFA 113 dB	
Acousto-mechanical sensitivity level (re. 1 μN /20 μPa) (50 dB SPL input, FOG)	Max 47 dB HFA 41 dB	
Reference test acousto-mechanical sensitivity level (re. 1 µN /20 µPa) (60 dB SPL input, RTS)	HFA 34 dB	
Frequency range	200 - 9700 Hz	
Equivalent input noise	< 24 dB SPL	
Battery current (65 dB SPL input at 1 kHz)	1.45 mA	
Total Harmonic Distortion		
70 dB SPL input at 500 Hz	< 3%	
70 dB SPL input at 800 Hz	< 0.3%	
65 dB SPL input at 1600 Hz	< 0.3%	
60 dB SPL input at 3200 Hz	< 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

- 1. Dependent on streaming, sound environment and gain settings
- 2. 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.

This material is intended for health professionals. If you are a consumer, 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.

The Cochlear Baha Smart App is available on App Store and Google Play. For compatibility information, visit www.cochlear.com/compatibility.

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Fitting range



Measured on skull simulator TU-1000

Output vibratory force level frequency responses



Acousto-mechanical sensitivity level frequency response



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