

## DATASHEET

# Cochlear™ Baha® 5 Sound Processor

Cochlear Baha Connect System\* & Cochlear Baha Attract System\*\*



reddot award 2015  
winner



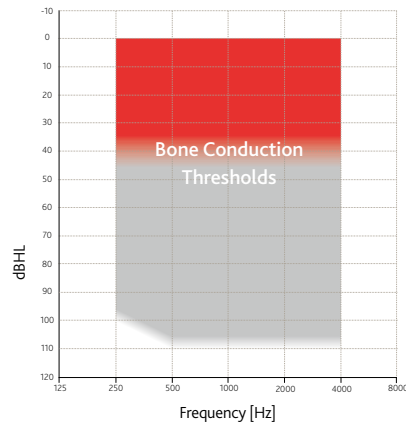
The award winning Cochlear™ Baha® 5 Sound Processor is the smallest, most advanced bone conduction sound processor from Cochlear. It is a Made for iPhone Hearing Device that supports direct audio streaming from an iPhone, iPad or iPod touch. The Baha 5 Sound Processor has been developed to meet the needs of patients with conductive loss, mixed loss and single-sided sensorineural deafness (SSD).

Powered by the Ardium™ Smart Wireless platform with the SmartSound® iQ signal processing technology and the new BCDrive™ transducer technology, the Baha 5 Sound Processor is designed to ensure that your patients will benefit from the best hearing experience across a variety of sound environments. The Baha 5 Sound Processor is based on Baha bone conduction technology and designed to work with the Cochlear Baha Attract System, the Cochlear Baha Connect System and the Cochlear Baha Softband.

## Features

- Fully programmable, premium head-worn sound processor with Bluetooth® Smart technology
- Made for iPhone Hearing Device with support for direct audio and data streaming
- 2.4 GHz Wireless technology that connects to Cochlear Wireless Accessories
- BCDrive transducer technology
- 17 channel sound analysis with Wide-band Dynamic Range Compression and Natural Sound Resolution
- 4 user-defined programs with dedicated listening programs for music, outdoor and noisy environments
- Scene Classifier controlling:
  - Noise Manager
  - Active Balanced Directionality
  - Active Gain
- Position Compensation
- Control Sync for bilateral synchronization of program change and streaming
- Dual Track Feedback Manager
- Dedicated fitting parameters for mixed loss, conductive loss and SSD
- Patient optimized fitting with Baha Fitting Software (5.0 or later)
- Wireless fitting with Airlink
- Compatible with FM and digital wireless ALD systems by connecting a body worn receiver of the listening system to the line input of the Cochlear Wireless Mini Microphone.

## Fitting range



- Bone-conduction thresholds ≤ 45 dB HL averaged across 500, 1000, 2000, and 3000 Hz
- Air-conduction thresholds may extend into this area

The Baha 5 Sound Processor is suitable for individuals with bone conduction thresholds within the red area indicated in the fitting range. For further details, see the Candidate selection guide.

## Wireless accessories

### Cochlear Baha Remote Control 2\*\*\*

Order no. 94791

### Cochlear Wireless Mini Microphone

Order no. 94781

### Cochlear Wireless Phone Clip

Order no. 94771

### Cochlear Wireless TV Streamer

Order no. 94761

## Apps

### Baha 5 Smart App

[www.Cochlear.com/US](http://www.Cochlear.com/US)

Compatible with iPhone, iPad and iPod touch.

### Baha Control App

[www.Cochlear.com/US](http://www.Cochlear.com/US)

Compatible with iPhone, iPad and iPod touch and Android smartphones.

Requires Cochlear Wireless Phone Clip.

### Baha Support App

[www.Cochlear.com/US](http://www.Cochlear.com/US)

Compatible with iPhone, iPad and iPod touch and Android smartphones.

## Ordering information

The Cochlear Baha 5 Sound Processor is delivered in a kit that includes the sound processor, abutment cover, batteries, cleaning kit, safety line and user manual. The Baha 5 Sound Processor also comes with a small test rod that allows wearers to 'share their Baha experience' with friends and family.

### Baha 5 Sound Processor

	Order no.
Baha 5 Sound Processor Blonde	95201
Baha 5 Sound Processor Black	95202
Baha 5 Sound Processor Silver	95203
Baha 5 Sound Processor Brown	95204
Baha 5 Sound Processor Copper	95205
Baha 5 Sound Processor Demo	95207

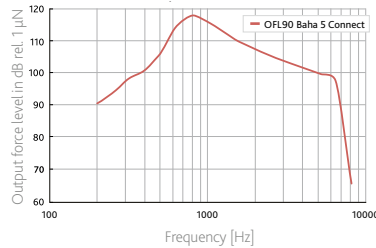


Sound processor not shown in actual size.

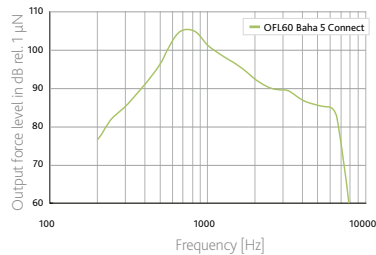
## Baha 5 Connect System\*

Measured on skull simulator TU1000.

### Maximum output force level



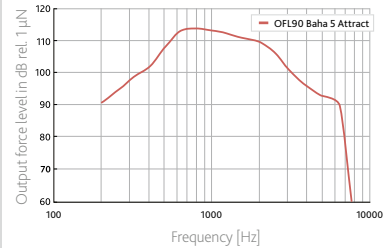
### Full-on gain



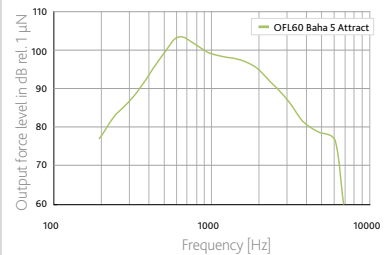
## Baha 5 Attract System\*\*

Measured on Artificial Mastoid IEC 60318-6.

### Maximum output force level



### Full-on gain



## Technical information (Measurements at full gain)

Frequency range	250-7000 Hz (ANSI 3.22)	250-6300 Hz (ANSI 3.22)
Peak OFL at 90 dB SPL	117 dB (rel 1 µN)	114 dB (rel 1 µN)
Peak OFL at 60 dB SPL	105 dB (rel 1 µN)	104 dB (rel 1 µN)
Acousto Mechanical Gain (at 60 dB SPL, 1600 Hz)	35 dB (rel 1 µN /20 µPa)	37 dB (rel 1 µN /20 µPa)
Total Harmonic Distortion (at 60 dB SPL, reference test gain acc. IEC 60118-9)	Below 3% above 600 Hz	Below 3% above 600 Hz
Weight, excluding battery		9.8 g
Size	26 mm × 19 mm × 12 mm	
Battery type	312 (PR 41, Zinc-Air)	
Current consumption	1.4 mA (in silence), 1.9 mA (at 60 dB SPL, 1600 Hz)	
Equivalent Input Noise Level	<26 dB SPL	
Processing delay	4.5 ms	

\* The Cochlear Baha Connect System consists of a compatible Baha sound processor, abutment and implant. For details regarding compatibility visit [www.cochlear.com](http://www.cochlear.com).

\*\* 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](http://www.cochlear.com).

\*\*\* The Baha 5 Sound Processor is also compatible with the Cochlear Baha Remote Control (94765)

The Cochlear Baha 5 Sound Processor is compatible with iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPad Air 2, iPad Air, iPad (4th generation), iPad mini 3, iPad mini 2, iPad mini and iPod touch (5th generation) using iOS7.\* or later.

[www.Cochlear.com/US](http://www.Cochlear.com/US)

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