

## DATASHEET

# Cochlear™ Baha® 5 SuperPower

Cochlear Baha Connect System<sup>1</sup> & Cochlear Baha Attract System<sup>2</sup>



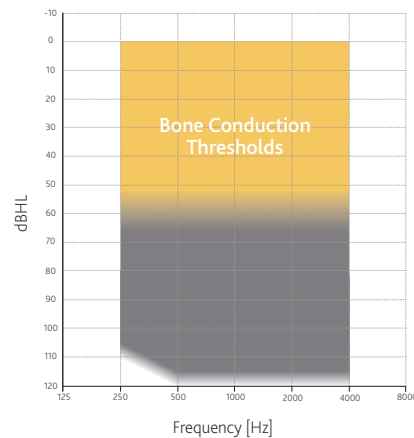
The Cochlear™ Baha® 5 SuperPower Sound Processor is the most powerful head-worn bone conduction sound processor. It is a Made for iPhone Hearing Device that supports direct audio streaming from an iPhone®, iPad® or iPod touch®. The Baha 5 SuperPower has been developed to meet the needs of patients with a moderate to severe mixed hearing loss.

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

## Features

- Fully programmable, SuperPower head worn sound processor with Bluetooth® Smart technology
- Made for iPhone Hearing Device with 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 II controlling:
  - Noise Manager II
  - Active balanced directionality
  - Active gain
- Pinna compensation
- Control Sync for bilateral synchronization of program change and streaming
- Dual Track Feedback Manager
- Dedicated fitting algorithms for mixed loss, conductive loss and SSD
- Patient optimized fitting with Baha Fitting Software (5.1 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  $\leq$  65 dB HL averaged across 500, 1000, 2000, and 3000 Hz
- Air-conduction thresholds may extend into this area

The Baha 5 SuperPower is suitable for individuals with bone conduction thresholds within the yellow area indicated in the fitting range. For further details, see the Candidate Selection Guide.

## Wireless accessories

**Cochlear Baha Remote Control 2<sup>3</sup>**  
Order no. 94791

**Cochlear Wireless Mini Microphone 2+<sup>4</sup>**  
**Mini Microphone 2+**  
Order no. P770848

**Cochlear Wireless Phone Clip**  
Order no. 94771

**Cochlear Wireless TV Streamer**  
Order no. 94761

## Apps

### Baha 5 Smart App

Connects directly to control and monitor the sound processor from your smartphone. The app works with iPhone, iPad, iPod touch and compatible Android devices.<sup>5</sup>

### Baha Control App

Connects via Cochlear Wireless Phone Clip to control the sound processor.

### Baha Support App

Contains product support (incl. videos) for the sound processor.

Visit [www.Cochlear.com/US](http://www.Cochlear.com/US) for more information.

## Ordering information

The Cochlear Baha 5 SuperPower Sound Processor is delivered in a kit that includes the sound processor, an abutment cover, a cleaning kit, and a document pack. When ordering, use the order form to ensure correct product configuration, and specify the language requirement for the document pack (contains important information such as the user manual and warranty card). The sound processor will be delivered with a document pack in the appropriate language.

Baha 5 SuperPower is available in four different colors:

- Carbon
- Mocha
- Smoke
- Maize

Made for



iPod iPhone iPad

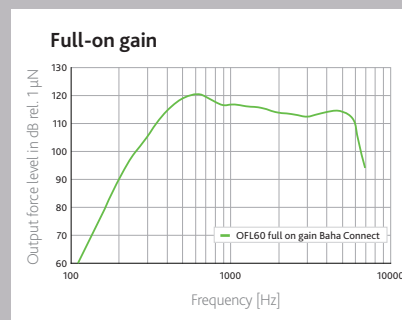
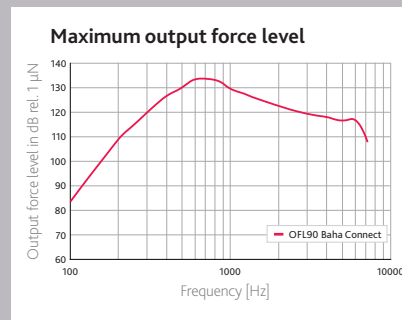


- 1. Sound Processing unit
- 2. Actuator unit
- 3. Cable
- 4. Microphones
- 5. Battery
- 6. Ear hook
- 7. Snap connector
- 8. Buttons
- 9. Visual indicator

Sound processor not shown in actual size.

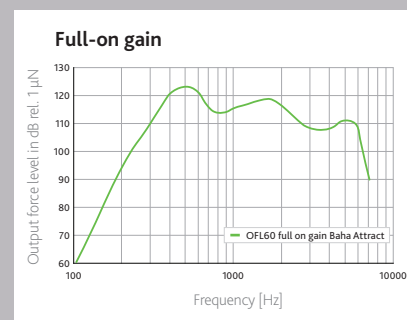
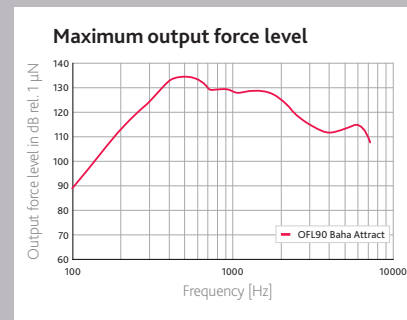
### Baha Connect System with Baha 5 SuperPower

Measured on skull simulator TU1000.



### Baha Attract System with Baha 5 SuperPower

Measured on Artificial Mastoid IEC 60318-6.



## Technical information (Measurements at full gain)

Frequency Range	250-7000 Hz (ANSI 3.22)	250-7000 Hz (ANSI 3.22)
Peak OFL at 90 dB SPL	133 dB (rel 1 µN)	134 dB (rel 1 µN)
Peak OFL at 60 dB SPL	121 dB (rel 1 µN)	123 dB (rel 1 µN)
Acousto-Mechanical Gain (at 60 dB SPL, 1600 Hz)	55 dB (rel 1 µN / 20 µPa)	58 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
Actuator Unit Weight		14.4 g
Actuator Unit Size	28 mm x 17 mm x 14 mm	
Sound Processing Unit weight	9.8 g <sup>6</sup> / 12.7g <sup>7</sup>	
Sound Processing Unit Size	39 mm x 9 mm x 48 mm <sup>6</sup> / 39 mm x 9 mm x 57 mm <sup>7</sup>	
Battery Type	Rechargeable Lithium-Ion	
Average battery life time	Minimum 16 hrs (Compact rechargeable battery) / 32 hrs (Standard rechargeable battery) <sup>†</sup>	
Battery Voltage	3.6-4.2 V	
Current Consumption	1.6 mA (in silence), 3.4 mA (at 60 dB SPL, 1600 Hz)	
Equivalent Input Noise Level	<26 dB SPL	
Processing Delay	4.5 ms	

<sup>†</sup> Dependent on streaming, sound environments and gain settings.

<sup>1</sup> The Cochlear Baha Connect System consists of a compatible Baha sound processor, abutment and implant. For details regarding compatibility visit [www.cochlear.com/US](http://www.cochlear.com/US).

<sup>2</sup> The Cochlear Baha Attract System consists of a compatible Baha sound processor, sound processor magnet, implant magnet and implant. For details regarding compatibility visit [www.cochlear.com/US](http://www.cochlear.com/US).

<sup>3</sup> The Baha 5 SuperPower is also compatible with the Cochlear Baha Remote Control (94765).

<sup>4</sup> The Baha 5 SuperPower is also compatible with the Cochlear Wireless Mini Microphone (94781) and Mini Microphone 2 (P770844).

<sup>5</sup> The Baha 5 Smart App is verified on Samsung Galaxy S5, S6 and S7 running Lollipop, Marshmallow and Nougat OS. Refer to [www.cochlear.com/US](http://www.cochlear.com/US) for full device and OS compatibility.

<sup>6</sup> Weight and size with Medium Earhook and Compact Rechargeable battery module.

<sup>7</sup> Weight and size with Medium Earhook and Standard Rechargeable battery module.

Cochlear Baha 5 sound processors are compatible with iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPad Air 2, iPad Air, iPad (4th generation), iPad mini with retina display, iPad mini and iPod touch (5th generation) running iOS 7.X or later.

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Hear now. And always

