The Cochlear™ Baha® 4 Sound Processor is a wireless-enabled, fully-programmable sound processor developed exclusively to meet the needs of patients with conductive loss, mixed loss and single-sided sensorineural deafness (SSD).

Powered by the Ardium™ platform and the Baha PureSound™ iQ signal processing technology the Baha 4 Sound Processor ensures your patients will benefit from the best signal across a variety of sound environments. The Baha 4 Sound Processor is based on Baha bone conduction technology and designed to work with the Cochlear Baha implant and the Cochlear Baha Softband.

Features
- Fully programmable, wireless enabled, premium head-worn sound processor
- 17 channel sound analysis
- 4 user-defined programs
- Scene Classifier
- Position Compensation II
- 2.4GHz Wireless
- Wide-band Dynamic Range Compression with Natural Sound Resolution
- Active Balanced Directionality
- Noise Management II
- Dual Track Feedback Manager
- Dedicated fitting rationales for mixed loss, conductive loss and SSD
- Dedicated listening programs for music, outdoor and noisy environments
- Direct Audio Input with Europin connector
- Patient optimised fitting with Baha Fitting Software (4.0 or later)
- Wireless fitting with Airlink

Available accessories
Cochlear Baha Remote Control
Order no. 94765

Cochlear Wireless Mini Microphone
Order no. 94780 (EU), 94781 (US), 94782 (GB), 94783 (AUS)

Cochlear Wireless Phone Clip
Order no. 94770 (EU), 94771 (US), 94772 (GB), 94773 (AUS)

Cochlear Baha Audio adapter
Order no. 91180 (Short Cable), 91186 (Long Cable)

Cochlear Baha Telecoil unit
Order no. 91181

FM-Receiver
The Baha 4 Sound Processor is designed to accommodate FM receivers with signal source output compatible with IEC 60118-6 and with Europin connector according to IEC 60118-12.

Ordering information
The Cochlear Baha 4 Sound Processor is delivered in a kit that includes the sound processor, abutment cover, batteries, cleaning brush, safety line and user manual. The Baha 4 Sound Processor also comes with a small test rod that allows wearers to 'share their Baha experience' with friends and family.

When ordering, 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.

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### Technical information (Measurements at full gain)

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>250-6500 Hz (ANSI 3.22)</td>
</tr>
<tr>
<td>Peak OFL at 90 dB SPL</td>
<td>117 dB (rel 1 μN)</td>
</tr>
<tr>
<td>Peak OFL at 60 dB SPL</td>
<td>101 dB (rel 1 μN)</td>
</tr>
<tr>
<td>Acousto Mechanical Gain (at 60 dB SPL, 1600 Hz)</td>
<td>38 dB (rel 1 μN / 20 μPa)</td>
</tr>
<tr>
<td>Total Harmonic Distortion (at 60 dB SPL, reference test gain acc. IEC 60118-9)</td>
<td>Below 3% above 600 Hz</td>
</tr>
<tr>
<td>Weight, excluding battery</td>
<td>11.6 g</td>
</tr>
<tr>
<td>Size</td>
<td>30x21x12 mm</td>
</tr>
<tr>
<td>Battery voltage</td>
<td>1.1-1.5 V</td>
</tr>
<tr>
<td>Battery type</td>
<td>13 (PR48, Zinc Air)</td>
</tr>
<tr>
<td>Current consumption</td>
<td>1.2 mA (in silence), 1.5 mA (at 60 dB SPL, 1600 Hz)</td>
</tr>
<tr>
<td>Equivalent Input Noise Level</td>
<td>26 dB SPL</td>
</tr>
<tr>
<td>Electrical input equivalent to an acoustic input of 70 dB SPL</td>
<td>1.8 mV&lt;sub&gt;ref&lt;/sub&gt;, 1600 Hz</td>
</tr>
<tr>
<td>Input impedance</td>
<td>&gt; 10 kΩ</td>
</tr>
<tr>
<td>Processing delay</td>
<td>4.5 ms</td>
</tr>
</tbody>
</table>

**Sound processor not shown in actual size.**