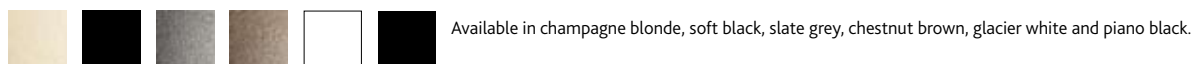


# Cochlear™ Baha® BP100



**Cochlear Baha BP100 is a fully programmable sound processor developed exclusively to meet the needs of patients with conductive loss, mixed loss or single-sided sensorineural deafness (SSD).**

The automatic signal processing in Cochlear Baha BP100 helps to ensure that your patients will benefit from the best signal across a variety of sound environments. BP100 is based on Baha bone conduction technology and designed to work with the Cochlear Baha implant.



## Features

- Fully programmable, premium head worn sound processor
- 12 channel sound analysis
- 3 user-defined programs
- Wide-band Dynamic Range Compression
- Automatic Adaptive Multi-band Directional System
- Automatic Noise Management
- Active Feedback Cancellation
- Acoustic Shock Protection
- Dedicated fitting rationales for mixed loss, conductive loss and SSD
- Dedicated listening programs for music and noisy environments
- Direct Audio Input with Europlug connector

## Ordering information

The Cochlear Baha BP100 is delivered in a kit that includes the sound processor, abutment cover, batteries, cleaning brush, safety line and Patient User Manual. The Baha BP100 also comes with a small test rod that allows wearers to 'share their Baha experience' with friends and family.

- 91300 Baha BP100 Champagne Blonde
- 91301 Baha BP100 Soft Black
- 91302 Baha BP100 Slate Grey
- 91303 Baha BP100 Chestnut Brown
- 91304 Baha BP100 Glacier White
- 91305 Baha BP100 Piano Black

## Available accessories

### AUDIO ADAPTER

The audio adapter allows direct input from computers, personal stereos, TVs, MP3s and other external audio equipment.

- Order no. 91180** (Short cable)
- Order no. 91868** (Long cable)

### TELECOIL UNIT

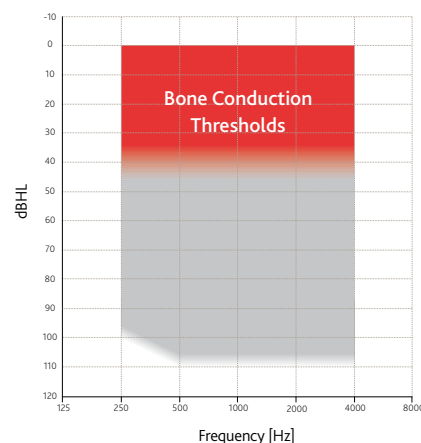
The telecoil unit enables access to loop facilities in homes and public buildings.

- Order no. 91181**

### FM-RECEIVER

The Baha BP100 is designed to accommodate FM receivers with signal source output compatible with IEC 60118-6 and with europlug connector according to IEC 60118-12.

## Fitting range



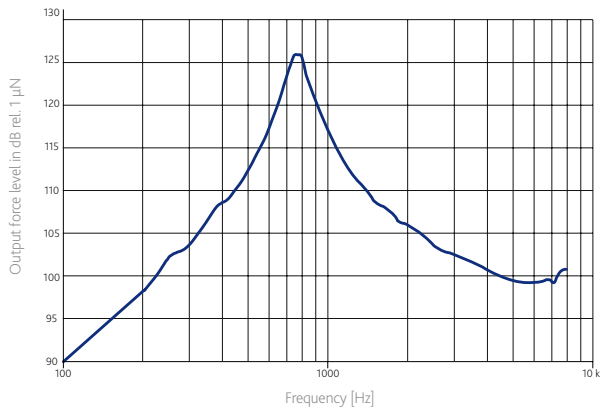
- Bone-conduction thresholds  $\leq 45$  dB HL averaged across 500, 1000, 2000, and 3000 Hz
- Air-conduction thresholds may extend into this area

The Baha BP100 is suitable for individuals with bone conduction thresholds within the red area indicated in the graph. For further details, see the Candidate Selection Guide.

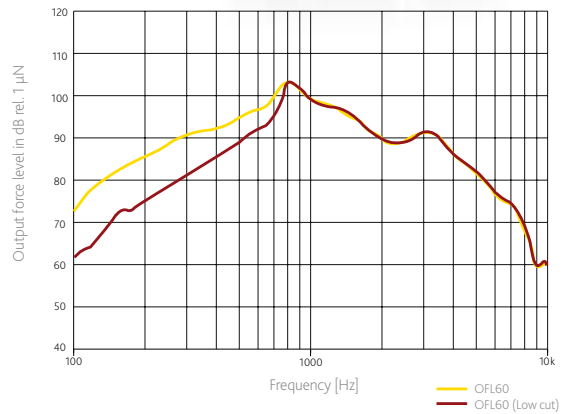
Sound processor not shown in actual size



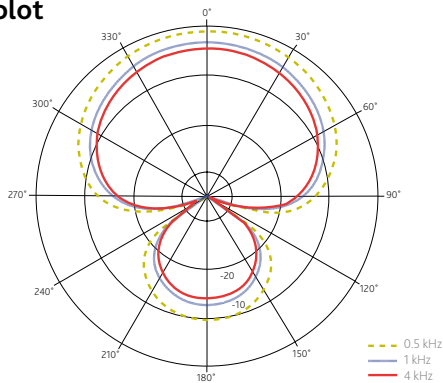
### Maximum output force level



### Full-on gain



### Polar plot



Polar Plot Free Field for Cochlear Baha BP100 Automatic Directional System

### Technical information

Weight:	14g
Size:	30 x 21 x 12mm
Battery voltage:	1.1 – 1.5V
Battery type:	13
Current Consumption:	1.6 mA (in silence) 1,9 mA (at 60 dB SPL, 1600 Hz)
Frequency range:	250-7000 Hz (ANSI 3.,22)
Peak OFL at 90 dB SPL:	126 dB
Peak OFL at 60 dB SPL:	104 dB
Acousto-mechanical gain at 60 dB SPL, 1600 Hz:	34 dB
Harmonic distortion:	Below 3% above 600 Hz
Equivalent input noise level (EINL):	28 dB
Electrical input equivalent to an acoustic input of 70 dB SPL:	1 mV <sub>RMS</sub> , 1600 Hz
Input impedance:	> 10 kOhm
Processing delay:	3 ms

**Cochlear Americas**  
13059 E. Peakview Avenue, Centennial, CO 80111 USA  
Tel: 1 303 790 9010 Fax: 1 303 792 9025

**Cochlear Canada Inc**  
2500-120 Adelaide Street West, Toronto, ON M5H 1T1 Canada  
Tel: 1 416 972 5082 Fax: 1 416 972 5083

[www.cochlear.com](http://www.cochlear.com)

All data is subject to change.  
Baha is a registered trademark of Cochlear Bone Anchored Solutions AB.  
Cochlear and the elliptical logo are trademarks of Cochlear Limited.  
© 2009 Cochlear Bone Anchored Solutions. All rights reserved.  
E81528 ISS1 JUL09