






Baha® Sound Processor comparison chart

Key features	Baha® 5 Power Sound Processor 	Baha® 5 Sound Processor 	Baha® 7 Sound Processor 
Size (Length × Width × Thickness)	36 × 22 × 13 mm	26 × 19 × 12 mm	26 × 19 × 12 mm
Height from abutment	15.5 mm	15 mm	13 mm
Weight	17 g	9.8 g	11.5 g
Fitting range	Up to 55 dB SNHL	Up to 45 dB SNHL	Up to 55 dB SNHL
Average maximum power output	114 dB	106 dB	113 dB
Frequency range	250–7000 Hz	250–7000 Hz	200–9850 Hz
Visual indicator (LED)	✓		✓
Dust and water resistance	IP63 [†]	IP63 [†]	IP68 [†]
Battery life	Typically 80–160 hours	Typically 36–84 hours	Typically 69–136 hours
SmartSound® iQ scene classifier and noise reduction	✓	✓	✓
Compatible with Bluetooth® LE Audio accessories			✓
AutoStreaming and OneTouch Pairing			✓
Direct streaming to Android™ phones			✓
Direct streaming to Apple® devices	✓	✓	✓
Smart App	Baha 5 Smart App for iOS and Android	Baha 5 Smart App for iOS and Android	Baha® Smart App for iOS and Android
FM connectivity	✓	✓	✓

More details

The Baha® 7 Sound Processor provides more power and longer battery life than the Baha® 5 Sound Processor in our smallest size.^{1*}

The Baha 7 Sound Processor protrudes 2 mm less than the Bah® 5 Sound Processor and 2.5 mm less than the Baha® 5 Power Sound Processor. ^{2**}

The Baha 7 Sound Processor is 15% lighter than the Ponto 5 Mini and 74% lighter than the Ponto 5 SuperPower^{3–5*}

You don’t have to compromise between size and performance to experience a life rich in sound with Baha 7 Sound Processor. We’ve packed more power^{6*} into our smallest and most discreet bone conduction sound processor.

Research suggests that speech understanding in noise improves with higher maximum power output (MPO)⁷ and the Baha 7 Sound Processor has 7 dB higher MPO[^] than Baha 5 Sound Processor and similar MPO as Baha® 5 Power Sound Processor.^{3,8–10}

Research suggests that a device with higher frequency range can improve recognition of high-frequency consonants in quiet and in noise.⁴ Many important sounds are found in the higher frequencies like birds chirping, a whistle or flute and the consonants F, S, or K. the Baha 7 Sound Processor has higher frequency range than Baha 5, Baha 5 Power and Baha 4 Sound Processors.^{8–10}

The Baha 7 Sound Processor has an LED indicator light, which helps parents and caretakers see when the processor is on and connected.

The Baha 7 Sound Processor has the highest dust and water-resistance with an IP68 rating.^{11†*}

At similar settings, the Baha 7 Sound Processor has 87% longer average battery life than the Baha 5 Sound Processor.^{12*§}

Using SmartSound® iQ technology, your Baha 7 Sound Processor will automatically make adjustments to optimize your hearing experience.

The Baha 7 Sound Processor is compatible with Bluetooth LE Audio Accessories including the Multi-Mic+ and TV-Streamer+.

Utilizing the Baha 7 Sound Processor’s AutoStreaming capability and OneTouch Pairing solution, Bluetooth LE Audio Accessories have the ability to connect instantly, eliminating the necessity for manual setup before each use.

Stay connecting with the things important to you with the Baha 7 Sound Processor, which has direct streaming to compatible Apple® and Android™ devices.^{^^}

Stay connecting with the things important to you with the Baha 7 Sound Processor, which has direct streaming to compatible Apple and Android devices.^{^^}

No two people have the same life experiences. With the Baha Smart App,^{^^} you can make sure your hearing experience is just as personal. Adjust your listening settings to help you hear better in noisy situations and keep track of your hearing information. You can even save yourself a trip to the clinic by using our Remote Care solutions to do a hearing check with your clinician from home. For added peace of mind, use Find My Processor feature to help find a misplaced processor.[<]

Using the Multi-Mic+ provides recipients access to FM connectivity in public spaces and classrooms.

Hear now. And always

Cochlear is dedicated to helping people with moderate to profound hearing loss experience a world full of hearing. As the global leader in implantable hearing solutions, we have provided more than 750,000 devices and helped people of all ages to hear and connect with life's opportunities.

We aim to give people the best lifelong hearing experience and access to next generation technologies. We collaborate with leading clinical, research and support networks to advance hearing science and improve care.

That's why more people choose Cochlear than any other hearing implant company.

References:

1. Bergs T. Technical Report: Performance comparison A1 vs A2 actuators. Cochlear Bone Anchored Solutions AB, Sweden. 2020; D1770991.
2. Land J. Comparison tech data Baha 6 Max, legacy and competition. Cochlear Bone Anchored Solutions AB, Sweden. 2020; D1762475.
3. Hagelbäck K. Baha 7 Sound Processor Connect Datasheet. Cochlear Bone Anchored Solutions AB, Sweden 2024; D2149945.
4. Ponto 5 Mini Product Information. Oticon Medical. 232708US. 2021.
5. Ponto 5 SuperPower Product Information. Oticon Medical. 244495US. 2021.
6. Bergs T. Technical Report: Performance comparison A1 vs A2 actuators. Cochlear Bone Anchored Solutions AB, Sweden. 2020; D1770991.
7. Van Eeckhoutte M, Folkeard P, Glista D, Scollie S. Speech recognition, loudness, and preference with extended bandwidth hearing aids for adult hearing aid users. Int J Audiol. 2020;20:1–12.
8. Leung B. Baha 6 Max Connect Datasheet. Cochlear Bone Anchored Solutions AB, Sweden. 2021; D1760797.
9. Land J. Baha 5 Sound Processor Connect System Datasheet. Cochlear Bone Anchored Solutions AB, Sweden. 2019; 630908.
10. Land J. Baha 5 Power Connect Datasheet. Cochlear Bone Anchored Solutions AB, Sweden. 2019; D801286.
11. Andersson H. Baha 6 Max IPx8 Test Report. RISE Research Institutes of Sweden AB, Sweden. 2020; D1757477.
12. Davidsson B. Technical Report: Battery autonomy in Baha 6 Max vs Baha 5. Cochlear Bone Anchored Solutions AB, Sweden. 2021; D1770958.

* Based on the Baha 6 Max Sound Processor, using the same technology as Baha 7 Sound Processor

^ Outcomes may vary, and your health professional will advise you about the factors which could affect your outcome. Rounded to the closest 0.5 mm.

† The Cochlear Baha 7 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. Tested by the RISE Research Institutes of Sweden AB.

‡ IP63 classification excludes battery compartment. The Baha 5 Power is not waterproof. Never wear it in heavy rain, in the bath or shower.

§ Battery life is dependent on streaming, sound environments and gain setting.

^^ Cochlear Sound Processors are compatible with Apple and Android devices. Cochlear Smart Apps are available on App Store and Google Play. For compatibility information visit www.cochlear.com/compatibility.

< Remote Assist for Baha for compatible Baha sound processors is intended for a follow-up adjustment or setup of a replacement or upgrade sound processor for suitable qualified patients based on clinical judgment. Clinic must be enrolled in Remote Care to participate.

Additional data derived from the following:

Cochlear. Baha 6 Max Connect Datasheet. Cochlear Bone Anchored Solutions AB, Sweden. 2020; D1760797.

Cochlear. Baha 5 Sound Processor Connect System Datasheet. Cochlear Bone Anchored Solutions AB, Sweden. 2019; 630908.

Cochlear. Baha 5 Power Connect Datasheet. Cochlear Bone Anchored Solutions AB, Sweden. 2019; D801286.

Cochlear. Baha 4 Sound Processor Datasheet. Cochlear Bone Anchored Solutions AB, Sweden. 2013; E82790

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.

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