BRING ON THE NOISE
Sound has Never Been Smarter

Advanced Bionics
The innovation DNA of AB and Phonak have combined to deliver performance technologies that will change the way you hear. To learn how this unique collaboration provides advantages for hearing your best as you explore life’s rich soundscape, please contact an AB representative, or visit AdvancedBionics.com.
The Most Advanced Technology for Hearing in Noise

It’s a noisy world. On bustling streets, in busy classrooms, packed restaurants, and crowded parties, you or your child want to be able to chat easily and naturally without worrying about the background noise.

At every stage of the process—from the microphones that gather the sound; the technologies that process and enhance it; and the accessories that transmit it—AB provides more proven solutions for hearing in the most challenging situations than any other manufacturer.

Only AB devices include a processing strategy clinically proven to improve your speech understanding. As you move throughout your day, your Naída CI sound processors automatically adapt to changes in your listening environment, so you can be confident you will hear your best wherever you go. With groundbreaking ear-to-ear Phonak technology, your Naída CI sound processors have the unique ability to work together, focusing on the sound you want to hear and reducing distracting noises around you.

Phonak wireless streaming accessories relied on by hundreds of thousands of users worldwide help you hear better in noisy situations when you connect with the people and media you love. They transmit crystal clear audio directly to your processors or a processor and a compatible Phonak hearing aid, and, at the same time, reduce other distracting noises.
T-Mic 2 Microphone
Hear More Speech in Noise

The patented T-Mic™ 2 microphone is the industry’s only microphone positioned at the opening of the ear canal. This strategic placement takes advantage of the natural sound-gathering capabilities of the outer ear. The result is more natural sound quality and better hearing in noise for you or your child.

- Understand up to 35% more speech in noise with AB’s T-Mic 2 than with a behind-the-ear microphone similar to microphones used by AB competitors\(^1\)
- Hold the telephone to your ear and use headphones and earbuds just like everyone else

AutoSound OS
Simply Automatic

As you move through your day, you experience many different sound environments. With AutoSound™ OS, your Naída CI Q90 adapts automatically and intelligently to the sound around you so you hear your best wherever you go without having to change programs or adjust any settings.

AutoSound OS incorporates proven AB technology and Phonak solutions already relied upon by millions of hearing aid users worldwide. Independent research shows that AB’s automatic technologies help AB recipients hear speech better in everyday listening situations.\(^2,3\)

- Understand speech easily in quiet or in noise
- Enjoy music and understand song lyrics clearly
- Hear comfortably in the presence of wind or sudden, loud noises
- Follow conversations effortlessly in cars, trains, or buses
Chee Yan Lee, AB recipient, enjoying the conversation with her father on a bustling subway car


Where can I find out more?
See how AB recipients benefit from these unique technologies. Visit YouTube.com/AdvancedBionics
ClearVoice Speech Enhancement Technology
Clinically Proven Superiority

AB’s ClearVoice™ speech enhancement technology is the first and only sound processing strategy recognized by the FDA to have demonstrated improved speech understanding and superior hearing performance in noise.¹ It automatically analyzes and adapts to each listening situation that you encounter throughout the day, separating the distracting noises from what you want to hear most—speech.

UltraZoom Feature
Easier Conversations in Noise

Now a fully automatic feature in the Naída CI Q90, UltraZoom uses advanced microphone technology that focuses on the person speaking in front of you while reducing distracting noise around you. This proven Phonak technology helps you follow a conversation more easily in noisy surroundings. As the graph on the right shows, when the UltraZoom feature and ClearVoice technology are combined, there is a significant improvement in understanding speech in noise.²-⁴
UltraZoom and ClearVoice* Improve Speech Understanding in Noise

Data from Agrawal S and Koch D. Subjects listened with processor microphone to sentences, noise was added to bring their scores down to 40-50%. UltraZoom and ClearVoice were turned on, subjects heard an average of 44% better.


Marta Vázquez, AB recipient, having a comfortable conversation with a friend in a noisy coffeehouse.

To connect with others who use this technology, visit AdvancedBionics.com/BEA.
Phonak Binaural VoiceStream Technology
The Best Technology for Hearing with Two Ears

AB provides the most advanced technology for hearing with two ears. The groundbreaking Phonak Binaural VoiceStream Technology™ in your Naída CI Q90 sound processors doesn’t simply process sounds at the same time, like other systems. It gives your processors the unique ability to communicate with each other. Your processors work together, automatically and in real time. They intelligently focus on the sound you want to hear and deliver it wirelessly to both ears simultaneously while significantly reducing unwanted noises. As a result, you get the maximum possible speech understanding in any environment.

The StereoZoom feature enables the microphones on both processors to work together to focus on the speaker directly in front of you to improve understanding in extreme noise.

The ZoomControl feature allows you to effortlessly focus on a speaker in front of, beside or behind you.

The DuoPhone feature automatically streams calls from any kind of telephone to both ears at the same time for easier conversations on the phone.
To connect with others who use this technology, visit AdvancedBionics.com/BEA

Peter Veldhuis, AB recipient, having a conversation with his son while teaching him what it takes to work the farm.
Hearing Comfort in Every Situation
Bring on the Comfort

Most of the time, we want to hear more of the sounds around us, but some noises just get in the way. Using proven Phonak technologies, your Naída CI Q90 sound processor can make listening more comfortable in challenging situations.

The **WindBlock feature** automatically reduces wind noise for greater comfort in windy environments like a golf course or the beach.

The **SoundRelax feature** automatically dampens unexpected loud sounds, such as doors slamming or clanging plates, for a more pleasant listening experience.

The **EchoBlock feature** improves the sound quality in reverberant environments you encounter, like museums, galleries, and places of worship.
Aisha Hitaua, AB recipient, chats with a friend on a windy day.

AB & Phonak bring solutions for hearing with more comfort in wind, in echo, and during unexpected loud sounds.
HiRes Fidelity 120 and HiRes Optima Sound Processing Strategies  
Experience all the Dimensions of Sound

AB’s HiRes Fidelity 120™* and HiRes™* Optima sound processing strategies capture and deliver the full dimension of sound so you can benefit from a richer hearing experience. Studies have shown that compared to using other sound processing strategies, AB recipients hear speech better in noise and experience improvements in music and sound quality.¹⁻⁶

Only AB offers five times more resolution than any other cochlear implant system to help you hear all the colorful details of sound: birds chirping, rain falling, the rich layers of music, and the subtle distinctions in tone during conversation.

This unique AB sound processing uses current steering to improve the quality of sound you hear. Current steering uses multiple current sources to stimulate two electrodes in your implant at the same time so that you hear more pitches than when either electrode is stimulated alone. As a result, music sounds better and speech is easier to understand.

Where can I find out more?
Learn how AB recipients benefit from these unique technologies. Visit HearingJourney.com


Sally Longstaffe, AB recipient, enjoying playtime with family
Hear Better in Extreme Noise and Over Distance with Phonak Wireless Solutions

Roger Technology
Roger™ is the new digital wireless standard from Phonak that enables you to hear and understand more speech in extreme noise and over distance. It transmits sound from a microphone directly to the design-integrated Roger™ 17 receiver which attaches easily and discreetly to your Naída CI processors. Using directional microphone technology, Roger technology transmits crystal clear sound while reducing background noise.

Sound is streamed from your choice of two microphones: the Roger™ Clip-On Mic and the Roger™ Pen. The Roger Clip-On Mic is a discreet wireless microphone that can be clipped to a speaker’s clothing. It is ideal for one-on-one conversations in noisy surroundings.

The Roger Pen is a 3-in-1 device that can be used in multiple ways—as a versatile, wireless microphone with multiple modes for one-on-one or group conversations; as a Bluetooth streaming device for phone calls; and as a wireless audio streamer for enjoying your favorite music, videos, movies, or TV shows.

Phonak ComPilot and RemoteMic Accessories
The Phonak ComPilot and RemoteMic accessories help you hear clearly in moderate noise and over distance. The speaker’s voice is transmitted from the RemoteMic to your ComPilot, which transmits the sound directly to your processors, or your processor and a compatible Phonak hearing aid.

In addition to hearing in noise and over distance, Phonak wireless accessories and Roger technology provide a range of other benefits, including wireless streaming from telephones, tablets, computers, and televisions.
Adult Naída CI users listened to sentences presented at 64 dBA in a slightly noisy room (not quiet), then in increasingly higher levels of noise. Sentence understanding was greatly improved when Roger and ClearVoice were turned on, particularly when the noise was very loud.1

The Power of Two
Working Together as One

The innovation DNA of AB and Phonak have combined to deliver performance technologies that will change the way you hear.

To learn more about the unique advantages of hearing with Advanced Bionics, call 866.844.4327 (HEAR).
email hear@AdvancedBionics.com,
or visit AdvancedBionics.com.

* Not approved for pediatric use in the United States

Pictured on the Cover:
Eva Newberry & Mark Slater, AB recipients

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