References:

*Not approved for pediatric use in the United States.
Performance matters

Performance is the most important consideration when it comes to selecting a cochlear implant. You want to hear your best in the most challenging settings from loud classrooms and conferences to crowded concerts and restaurants.

For the first time in history, cochlear implant recipients now have access to the combined dynamic technologies of Advanced Bionics and Phonak, the innovation leaders in cochlear implants and hearing instruments. The portfolio of leading technologies from this perfect marriage is designed to provide you or your child with the world's best performance in all situations.
T-Mic™ 2 takes advantage of the outer ear’s ability to gather sounds.

UltraZoom dual-microphone technology pioneered by Phonak designed to focus on sound from a speaker located in front of the listener for improved speech understanding in noisy settings.

AutoSound™ adapts automatically in quiet to loud environments just like a normal-hearing ear.

ClearVoice™* up to 25% improvement in speech understanding in noise. The market’s only sound processing technology clinically proven to deliver superior hearing performance in noise.

HiResolution Sound provides access to more timing details of sound and gives recipients a 16% improvement in speech understanding in noise over conventional sound processing.

HiRes Fidelity 120™ uses 120 spectral bands to deliver five times more sound resolution for better hearing in noisy settings.

HiRes® Optima Sound Processing* optimizes battery life while delivering the same great performance of HiRes Fidelity 120 with AB’s unique current steering technology.

ZoomControl designed to zoom in on a speaker located on your left or right for clearer speech understanding in noisy settings.

DuoPhone automatically streams phone calls directly to both implanted ears for hearing in stereo and easier phone conversations.

QuickSync allows for easy, instant, simultaneous adjustments to volume and program settings on two Naída CI Q70 sound processors.

AquaMic the world’s only underwater microphone for cochlear implants.

Neptune™ the world’s only underwater sound processor.

AB myPilot offers status information and one-touch changes to programs, volume, sensitivity settings, and more.

ComPilot wirelessly streams calls, music, and other media simultaneously to a compatible Phonak hearing aid and AB sound processor or two sound processors for surround sound in noise.

RemoteMic takes the strain out of conversations in noisy places by streaming voices to processors.

TVLink streams high-quality audio directly to sound processor(s) or a Phonak hearing aid while watching shows and movies.

Roger is the new digital standard that bridges the understanding gap, in noise and over distance, by wirelessly transmitting the speaker’s voice directly to the listener. Coming soon to AB.
Designed for improved speech recognition in noise and increased music enjoyment, AB technology provides more fine timing and spectral resolution than any other system on the market. Choose AB for high-fidelity hearing that helps you enjoy the rich world of sound, the nuances of conversation, and the complexities of a musical composition.

The introduction of Naída CI Q70 (Naída CI) delivers Phonak Binaural VoiceStream Technology™, designed to help you hear your best in the noisiest settings. When AB sound processing and Phonak features are combined, recipients enjoy significant improvements in speech understanding for clear and accurate communication in noisy settings. (1)
Advanced Bionics is the only cochlear implant company to offer a fully waterproof, swimmable sound processor and headpiece for hearing in and out of the water. This innovative AB technology allows you to jump in the pool, surf in the sea, sing in the shower, and continue to hear your best.

Technology from AB & Phonak has been designed to help you enjoy effortless phone conversations. Only AB offers you a naturally placed microphone for holding the phone up to your ear just like everyone else. For the ultimate convenience, Phonak features stream calls automatically to two processors or a processor and a Phonak hearing aid at the same time without you needing to hold or even touch your phone.
Hearing voices from afar is important for safety and learning, whether a parent is calling to a child across a playground or a teacher is speaking in a noisy classroom. Only AB’s cochlear implant system offers advanced wireless communication technology from Phonak for the best possible hearing over distances.

Music is a meaningful addition to every stage of life. AB helps you enjoy the most of music with accessories that connect you to consumer electronics and technology that delivers the rich dimensions of sound. AB’s HiRes Fidelity 120™ is the only sound processing that uses current steering and delivers five times more resolution than the competition.
AB delivers the ultimate in wireless connectivity for staying connected to the media that entertains you, the music that moves you, and the people who love you. Leading Accessline™ accessories provide wireless streaming from Bluetooth devices, phones, and countless other consumer electronics by popular brands, including Apple, Samsung, and Nokia.

Apple® is a registered trademark of Apple Inc.
Samsung is a registered trademark of Samsung Electronics Co, Ltd.
Nokia is a registered trademark of Nokia Corporation.
Only AB offers Phonak Binaural VoiceStream Technology™ providing in sync hearing for two ears. Now music, FM, phone calls, TV shows, and countless other media can be wirelessly streamed from popular consumer electronics to two AB processors at the same time. AB is the best choice today if you are considering bilateral hearing now or in the future.

Combining patented technologies to deliver innovations that improve lives, AB and Phonak are the clear market leaders in bimodal hearing. An endless array of media from music and TV to FM and phone calls can be wirelessly streamed to both an AB sound processor and a compatible Phonak hearing aid at the same time.
The faster the stimulation rate, the more accurate the timing of sound. The higher the resolution, the more detailed and richer sound you hear. The more pitch percepts, the better the opportunity you have to differentiate complex sounds, such as music. The wider the range, the larger spectrum of sounds you hear. Multiple independent current sources allow unique sound processing strategies. Stimulation phase inversion allows unique stimulation patterns intended to provide improved tonal clarity. Every ear is different, so the more sound strategies offered, the more options you have for hearing your best.

With AB’s T-Mic™, connect to audio devices like normal-hearing people do; enjoy natural, focused listening. AB cochlear implants are MRI safe for scans at 0.3T and 1.5T with the magnet removed. Wireless streaming from all Bluetooth devices, phones, and countless other popular consumer electronics. Stream voices and music wirelessly to both your Naída CI processor and your Phonak hearing aid. Combining the Phonak dual-microphone UltraZoom feature with AB’s ClearVoice sound processing results in a 55% improvement in speech understanding in noise. Clinically proven to deliver significant improvement of speech understanding in noise. 100% wireless connectivity to mobile phones, computers, media players, televisions, navigation systems, Bluetooth-enabled products, and countless other devices. One-touch control of two processors for the best bilateral hearing experience.

### Temporal Resolution
- **Up to 83,000 pps**
- **Up to 31,500 pps**
- **Up to 50,000 pps**

### Spectral Resolution
- **Up to 120**
- **Up to 22**
- **Up to 12**

### Potential Pitch Percepts
- **460**
- **161**
- **Data not available**

### Input Dynamic Range (IDR)
- **Up to 80 dB**
- **45 dB**
- **55 dB**

### Independent Current Sources
- **Multiple**
- **Single**
- **Multiple**

### Stimulation Phase Inversion
- **Yes**
- **No**
- **No**

### Sound Coding Strategies
- **ClearVoice, HiRes 120-S, HiRes 120 P, HiRes Optimo, HiRes Optimo P, CIS, MPS**
- **ACE, CIS**
- **FSP, HP-CIS**

### Natural Microphone Placement
- **Yes**
- **No**
- **No**

### Case Impact Resistance
- **Up to 6 joules**
- **Up to 1 joules**
- **Data not available**

### Removable Magnets for MRI Compatibility
- **Yes**
- **Yes**
- **No**

### Standard Electrode Type
- **Mid-scala, perimodiolar, lateral**
- **Perimodiolar, lateral**
- **Lateral**

### Hearing In and Under Water
- **Yes**
- **No**
- **No**

### 100% Wireless Connectivity
- **Yes**
- **No**
- **No**

### Bimodal Streaming
- **Yes**
- **No**
- **No**

### DuoPhone
- **Yes**
- **No**
- **No**

### ZoomControl
- **Yes**
- **No**
- **No**

### UltraZoom
- **Yes**
- **No**
- **No**

### ClearVoice
- **Yes**
- **No**
- **No**

### ComPilot
- **Yes**
- **No**
- **No**

### QuickSync
- **Yes**
- **No**
- **No**

AB’s electrode family accommodates individual patient anatomy and etiology with focused stimulation for the best hearing outcome.

AB’s electrode family accommodates individual patient anatomy and etiology with focused stimulation for the best hearing outcome.
choose Advanced Bionics for the best possible hearing

There is nothing more critical than performance when it comes to your ability to hear as close to normal as possible. Whether you are at a dinner party, wedding, or networking event, you want to easily participate in the lively discussions that take place—not struggle to keep up with the conversation—which is why it is so important to choose the cochlear implant system that performs well in these challenging settings. AB & Phonak offer the world’s most sophisticated technology for clear, high-resolution sound that helps you hear your best.

™ autosound
hear your best in every environment