The Phonak portfolio of pediatric hearing delight
Young lives, bright futures
The freedom to enjoy life to its fullest extent is every child’s right, regardless of age and degree of hearing loss. With this in mind we developed a portfolio of superb pediatric hearing solutions. In this portfolio we offer hearing solutions that can be considered “a perfect companion,” every step of the way on a childhood journey of hearing delight.
Solutions for today, with the future in mind

A fundamental requirement for achieving a successful first fit and facilitating long-term benefits is an ideal balance between audibility, intelligibility and sound quality. It has always been our fitting philosophy to provide the best possible speech intelligibility while offering a pleasing overall sound experience. All of our hearing aids leverage our robust research and development capabilities. The enhanced Spice+ Technology provides the best collection of features and options for the specific needs of young ears. Take a look at what Spice+ has to offer and how these technology advancements will benefit children of all ages regardless of the degree of hearing loss.

The Phonak pediatric hearing solutions include an essential and unique feature set: Nonlinear frequency compression, enhanced feedback suppression, superior directionality, Dynamic FM compatibility and water resistance.

The new Nios S H2O, hearing in a WaterResistant micro-BTE design
The ideal solution for children with a mild to moderately-severe hearing loss. The Nios S H2O comes in a new, micro-size and WaterResistant housing.

Naida S, when children need power and outstanding audibility
The leading pediatric power hearing solution for children with moderately-severe to profound hearing loss.

External receiver solutions for young adults who want a discreet look
The new Naida S CRT and the Audéo S SMART offer feature-packed, discreet and aesthetically pleasing options, designed to meet the lifestyle needs of young adults.
Nios S H₂O
Performance and dependability for young lives
It is often assumed that children with milder hearing losses do not experience limitations in understanding and producing speech. The reality is that sufficient audibility in the high frequencies is often inconsistent and hearing in noise is a continuous challenge. The new Nios S H2O has been designed to address these. It provides invaluable support to children, allowing them to enjoy an easier hearing experience.

**Enhanced audibility**
Consistent high-frequency information, essential for speech and language development are not always accessible for children with mild to moderately severe hearing loss. Discover how SoundRecover provides natural sound and consistent access to high frequencies.

**WaterResistant**
Children love water; whether it’s at the pool, jumping in puddles after the rain, or simply splashing around in the bath. Nios S H2O, with its WaterResistant design, allows kids to enjoy a variety of water sports and activities without compromising their hearing aids.

**Small**
Size should never compromise hearing performance. The new Nios S H2O delivers a comprehensive package of features in the smallest possible design.

**Spice+ performance**
Nios S H2O is based on the state-of-the-art Spice+ Technology. Its host of benchmark features offers a child what’s needed for outstanding hearing performance. Combined with a palette of connectivity options, Spice+ provides the flexibility for today, tomorrow and the future.

“I love bath time because I get to play with bubbles!”
Consistently more audibility even for mild to moderate hearing loss

It is well documented that, even when identified and amplified early, mild to moderate hearing loss can have a detrimental impact on a child’s speech and language development. It is also generally overestimated how much high frequency audibility a conventional extended bandwidth hearing instrument can provide. That is why nonlinear frequency compression is so important. It delivers consistent access to meaningful high frequency information that would otherwise not be audible.
Research has shown that current hearing aid receiver technology cannot provide sufficient gain for inputs beyond 6 kHz. Similarly, output response curves show that the level of high frequency energy from 6-10 kHz is relatively low. This results in reduced audibility that can cause a lack of speech clarity and inconsistent access to high frequency information. This can impact a child with a mild to moderate hearing loss in a number of ways including delayed speech and language development and misunderstanding the context of conversations.

Phonak utilizes the entire audio bandwidth available within the limits of current receiver technology. SoundRecover further expands the limits of high frequency hearing by compressing information into the range of audible hearing. These two innovations combine to offer consistent access to all of life’s sounds, including important components of speech.

Audibility of /s/ with SoundRecover off/on

A. "Bus" with SoundRecover off

B. "Bus" with SoundRecover on

Graph: The spectrograms above show the audibility of the sound /s/. A Nios S H2O, programmed with DSL v5 pediatric prescription was tested with a 65 dB presentation of the word "bus." The brighter purple color that represents the /s/ shows improved audibility when SoundRecover is on (B.) vs. SoundRecover off (A.).
Why SoundRecover works, even for a mild hearing loss

The advantages of SoundRecover for children with severe to profound hearing loss have been widely accepted. Since the introduction of SoundRecover for children with a mild to moderate hearing loss, many pediatric audiologists have been impressed by the results. The reason for the improved performance of these children is added clarity and consistent exposure to all high frequency sounds. A prime example of the importance of high frequency audibility is the detection and recognition of a mother’s /s/ sound.

The application of SoundRecover has been expanded to include all degrees of hearing loss. It is important to understand that the amount of frequency compression applied is proportional to the degree of hearing loss. This means that for mild to moderate hearing losses, SoundRecover settings provide the minimal degree of frequency compression necessary for high frequency audibility. This ensures natural sound quality and maximum audibility.

The brain is the final step to the conscious perception of sound. When the brain is unable to consistently access specific high frequency sounds, auditory pathways can be weakened or deprived. When this happens, a child will not always be able to equate meaning to a perceived sound. This applies just as well to a child with mild hearing loss as it does to one with severe or profound impairment.

SoundRecover takes the strain out of listening, strengthening the auditory pathways in the brain and allowing a child to make the most out of the soundscape. Consequently, the link between sound and meaning is much stronger.

SoundRecover for children with all degrees of hearing loss has been accepted and routinely used by pediatric opinion leaders worldwide.

More background reading

Completed independent research on SoundRecover and its benefits for children can be found on: www.phonak.com/soundrecover

- Testimonials on SoundRecover by leading pediatric experts, parents and children can be found on www.youtube.com/phonakpediatrics

“I love mommy reading me a story before bedtime.”
Naída S

The foundation of power hearing
Children with a moderately-severe to profound hearing loss need the most specialized solutions, rather than mere amplification. That’s why Phonak developed Naída S: to bring children new levels of hearing delight at an age where good hearing is essential for their development and as a foundation for their future hearing abilities. Suitable for children of all ages, and available at three price and performance levels, Naída S is today’s leading pediatric power hearing solution.

More hearing – further enhanced
What makes Naida S the best choice for pediatric power hearing are Phonak benchmark features such as SoundRecover and WhistleBlock, which combine to deliver exceptional audibility.

Within the power family, models include the SuperPower (SP) and UltraPower (UP), both of which are available in the classic WaterResistant Naida design. Naida S delivers even more hearing to those children who need it most. Discover the power of Naida S.

SoundRecover
Gives more high-frequency audibility

WhistleBlock
First for feedback cancellation

Enhanced SoundRecover in Naida S allows access to frequencies above 8,000 Hz, even on the rare occasion when the lowest cut-off frequency is selected.

WhistleBlock suppresses feedback only as it occurs. Fully adaptive, it continuously applies just the right amount of suppression to suit any and every situation that a child experiences.
Flexibility every step of the way

Children’s needs change and expand as they grow and that also applies to their hearing development. The Phonak pediatric portfolio is designed with the different stages of childhood in mind, allowing for each step to be taken in its own time.

SoundRecover and WhistleBlock ensure optimal audibility in both Nios S H2O and Naída S. The next important step is to enable communication even in the most challenging environments. Spice+ Technology within the Phonak pediatric portfolio gives children the very best opportunity to maximize their hearing and help them lead an enriched life. Take a look at what Spice+ Technology has to offer.
Children often find themselves in noisy situations, therefore a reliable solution is required to effectively manage everyday noise. Thanks to the increased processing power of Spice+ Technology, NoiseBlock is now faster and more accurate than ever before. Gain is decreased without delay, and only in channels with a poor SNR, so noise is suppressed without reducing essential speech information. This means children’s understanding in noise is not compromised.

As a result of the increased processing power of the Spice+ chipset, the second-generation SoundFlow employs a high-definition, multi-dimensional sound classification system. As children grow, their exposure to complex environments increases. The enhanced SoundFlow allows for increased accuracy in the identification of subtle changes in the environment, optimizing the feature set for every situation.

Spatial cues important for natural hearing are lost when a hearing instrument is worn behind a child’s ear. Real Ear Sound creates frequency-specific directionality to restore the cues necessary for sound localization.

“I now enjoy talking with my friends down at the shopping mall.”
Cool design teenagers will appreciate

All too quickly a young child becomes a young adult. The performance of a hearing instrument is always important, however teenagers are often equally concerned with the appearance of their device. To meet these needs, Phonak offers a versatile range of acoustic coupling options that are aesthetically pleasing.

For teenagers with mild to severe degrees of hearing loss there is now a slim tube option. For those with a moderately-severe to severe hearing loss Naída S offers the world’s first Power SlimTube. Fitted with a standard earmold. It provides cosmetic advantages while minimizing gain and output loss.

Nios S H2O

For mild to severe hearing loss, all audiometric configurations

Naida S SuperPower (SP)

For moderately-severe to profound hearing loss, all audiometric configurations

Naida S UltraPower (UP)

For severe to profound hearing loss, all audiometric configurations
Always ready for the unexpected

Children approach life in a playful, carefree way. Babies explore the world around them, school age children like to push boundaries and teenagers’ lives are full of diverse activities. At any stage a Phonak hearing instrument is there for these adventures.

WaterResistant
A “perfect companion” for water loving, active kids

Peace of mind for parents
The unique and very effective tamper-proof solutions in both Nios S H2O and Naída S keep little fingers from accessing the battery and keep it securely in place. At the same time it allows the hearing instrument to be turned on and off without the use of a tool.

Our pediatric solutions are robustly designed with a child’s sense of adventure in mind. The water and dirt resistant housings of Nios S H2O* and Naída S** are “perfect companions” for children. They can get on with their activities, with hearing performance they can rely on.

* Nios S H2O has an IP67 rating; this indicates it was not damaged beyond repair after 8 hours in a dust chamber, nor after being immersed in 1 meter (3 feet) for 30 minutes
** Naída S SP/UP have an IP54 rating; this indicates neither dust nor splashing water from any direction for 5 minutes had a harmful effect on the device

“I can play with my friends without having to worry about my hearing aids.”
Designed to impress

Phonak offers two Canal-Receiver-Technology (CRT) options for older children. These impressively sleek wireless devices combine with a palette of connectivity options, in the smallest possible housings. This makes for a very popular choice for teenagers.

**New, Naída S CRT**
No compromise on performance should ever be made for a smaller size. The new WaterResistant Naída S CRT* incorporates power and the latest Spice+ innovations in a surprisingly compact size. This gives young people greater confidence everyday, everywhere.

**Audéo S SMART**
Audéo S SMART, the stylish, award winning, smallest wireless Phonak hearing instrument, is the obvious choice for teenagers. It means they can interact and socialize with ease everyday.

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*Naida S CRT has an IP67 rating; this indicates it was not damaged beyond repair after 8 hours in a dust chamber, nor after being immersed in 1 meter (3 feet) for 30 minutes*
Connecting effortlessly, communicating wirelessly

Wireless technology touches on every aspect of a child’s life, from home entertainment systems to education. Phonak provides a host of wireless, hands-free communication and entertainment solutions. Young people are free to be themselves, in the classroom, at the mall, listening to music or chatting on the phone.
More wireless freedom with Phonak AccessLine

**Dynamic FM – bridging the gap**
When it comes to understanding speech in noise or from a distance, nothing beats Phonak Dynamic FM**. It delivers outstanding hearing performance at home, in day care or classroom situations for children of all ages, from infants right through to teenagers.

The key innovation of Dynamic FM is the Adaptive FM Advantage (AFMA), an algorithm that automatically adjusts the output of the FM receiver to take into account any surrounding ambient noise. A host of user-friendly transmitters and design-integrated receivers are available, offering optimal cosmetics and water resistance*. The universal receiver can be worn at ear level or on a neck loop, making this flexible option appealing to all.

**ComPilot and iCom – lets children connect**
Staying in touch and leading an active social life means children have to be able to connect with communication and entertainment systems. Both the new ComPilot and the iCom offer seamless StereoSound connectivity to audio sources such as computers, mobile phones, TV and MP3 players.

**Phonak TVLink S – switch on to a great TV experience**
Children love TV and this dedicated Phonak TV solution offers an exceptional listening experience. True “plug and play” and one-step set-up means it’s ready to go in less than 60 seconds. Let them turn on, tune in and hear everything!

**Nios S H2O with design-integrated FM receiver ML15i**


**Naída S with design-integrated FM receiver has an IP54 rating. Nios S H2O and Naída S CRT with design-integrated FM have an IP67 rating.**
Phonak Target™ 2.0
Software that fits your pediatric fitting

Junior Mode was the first dedicated pediatric fitting mode. It is now available in Phonak Target™ 2.0. Junior Mode empowers you to get the best out of every Phonak hearing solution for every child.

Phonak Target™ Junior Mode highlights:

- **Verification Mode.** Designed to make verification easy and efficient.
- **Enhanced Junior defaults for teenagers.** A manual telephone program has been added. In addition the directional microphone is activated in SoundFlow automatic.
- **Junior Quick Overview.** At the touch of a button an “at-a-glance” view of the key aspects of the child’s fitting is shown.
- **Audiogram view.** It is now possible to change the audiogram to either SPL or HL, making it ideal for counseling purposes.
- **Junior Mode reminder.** An information alert prompts the professional to switch to the age appropriate Junior Mode as the child grows older.
- **Fully customizable.** The junior defaults can be customized to suit individual fitting philosophies.
- **Easy access to the Junior Reports.** A broad selection of customizable, printable Junior Reports is accessible in over 20 languages. Reports are tailored to the specific needs of various readers, including the child, parent, teacher or other caregiver.
The pediatric portfolio that has it all.

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* Measured with tone hook
Color overview

Nios S H2O

- Light Blue 34*
- Light Pink 33*
- Savannah Beauty B4*
- Pure Transparent 13
- Purple Transparent 38
- Safari Stripes B3*
- Savannah Beauty B4*
- Blue Transparent 37
- Glacier Ice Gray G2*
- Mocha Taupe F7*
- Palladium Black 70*

Naída S SP and UP

- Light Blue 34*
- Light Pink 33*
- Savannah Beauty B4*
- Purple Transparent 38
- Blue Transparent 37
- Ocean Blue G3*
- Olive Green G4*
- Mid Cloud Gray G1*
- Beige 01*
- Black 06*
- Taupe 35*
- Brown 03*
- Beach sustainable Blue Moon C9*
- Thistle Purple Transparent 38
- Chestnut Brown 50*
- High Tech Gray 12
- Beige 01*
- Blue Transparent 36
- Palladium Black 70*

*Matching ML color available
Naída S CRT

Audéo S SMART

AS10 colors  
(compatible with Naída S UP)

AS11 colors
(compatible with Naída S SP)

AS15 colors
(compatible with Nios S H2O & Naída S CRT)

**Only available for Audéo S SMART IX and V**
Life is on

We are sensitive to the needs of everyone who depends on our knowledge, ideas and care. And by creatively challenging the limits of technology, we develop innovations that help people hear, understand and experience more of life’s rich soundscapes.

Interact freely. Communicate with confidence. Live without limit. Life is on.

www.phonakpro-us.com