

# CONNECT WITH THE MOMENTS YOU LOVE WITH MARVEL



SKY CI MARVEL



ADVANCED  
BIONICS

POWERFUL CONNECTIONS



# POWERFUL CONNECTIONS START HERE

We want to give our children the world. That desire includes all the experiences that teach them how to talk, think, and connect with everything and everyone around them. We want our children to reach every milestone and enjoy every moment.

For over 30 years, **Advanced Bionics** has been the cochlear implant innovation leader. In partnership with **Phonak**, one of the world's leading providers of hearing aid solutions, we present the world's first and only sound processor dedicated to children and their needs — **Sky CI™ Marvel**.

Leveraging the power of Phonak's **Marvel Platform**, Sky CI Marvel offers your child a flexible hearing solution that's designed specifically for their unique journey—from baby to teen to adult.

With Sky CI Marvel, we welcome your family to a world of powerful connections, today and throughout your child's lifetime.

SKY CI MARVEL



# THE SKY CI MARVEL SOUND PROCESSOR DESIGNED WITH CHILDREN IN MIND

Sky CI Marvel is part of an innovative, advanced cochlear implant system that delivers a brilliant hearing experience for your child. This means powerful sound and excellent hearing in any environment, along with the flexibility and durability that lets children meet all of life's adventures head-on.

Sky CI Marvel offers a wide variety of accessories that you and your child can use for specific needs—from listening in the classroom to laughing when swimming and beyond. With so many features available, rest assured that every aspect of the system is designed to operate seamlessly, providing the ultimate in ease of use.



## Microphones

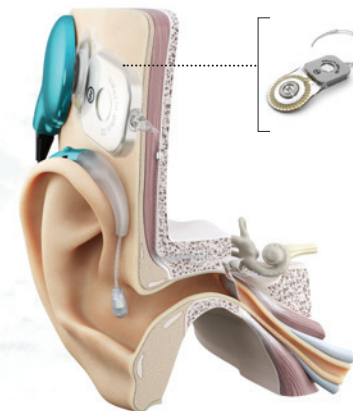
Our cochlear implant system collects sound with one or more microphones, helping your child hear the full range of sound. Even as low as a whisper!

## Sound processor

Our sound processors filter sound signals to make hearing easier.

## Headpiece

The headpiece sends the sound signal from the sound processor to the implant underneath the skin. It is designed to be lightweight and comfortable.



## Implant

The HiRes Ultra 3D cochlear implant and electrode array sends filtered sound signals to your child's hearing nerve; to help them understand speech and enjoy music.<sup>1</sup>

*Did you know:* Our implant is compatible with an MRI. This means, that should your child ever need an MRI scan, our implant makes this process hassle free.

## Accessories

For unique environments such as the swimming pool or a noisy classroom, there are a variety of accessories designed to help your child hear their best and fully live in the moment.






1. Osberger MJ, Quick A, Arnold L, Boyle P. (2010) Music benefits with HiRes Fidelity 120 sound processing. Cochlear Implants International 11(S1): 351-354.

# CONNECT WITH THE MOMENTS YOU LOVE WITH MARVEL

Connections help us grow. Help your child connect to their world with Sky CI Marvel, the world's first and only sound processor tailored specifically for children. Offering exceptional hearing performance while being flexible for your child's evolving needs—from understanding language to developing social skills—Sky CI Marvel will ensure that your child connects to all of what life has to offer.

Designed for connecting your child to the moments that matter most, Sky CI Marvel provides:

-  **POWERFUL HEARING EXPERIENCES**
-  **FLEXIBILITY FOR YOUR GROWING CHILD'S ADVENTURES**
-  **MARVEL FROM EAR TO EAR**



## POWERFUL HEARING EXPERIENCES

A powerful hearing experience helps your child make the most of every moment. Marvel CI is rated as the most performance focused cochlear implant system.<sup>1</sup> By combining the advanced technology of **Phonak**—one of the world's leading providers of hearing aid solutions — and proven Advanced Bionics sound processing, Sky CI Marvel is designed to deliver amazing sound quality and performance.

### Designed for all your child's listening needs.

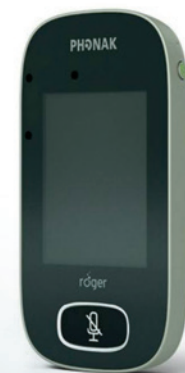
Whether immersed in the sounds of a day at the beach, enthralled with the live energy of a classroom, or captivated by grandma's quiet bedtime story, every formative experience will completely engage your child. Getting the most out of every setting requires a hearing solution that's specifically designed to deliver clear, rich sound in any listening situation. **AutoSense Sky OS™ 3.0 operating system** provides a powerful hearing experience with automatic access to a variety of features that customise sound based on your child's environment.



AutoSense Sky OS 3.0 is designed to adapt to the listening situations your child will experience daily—differentiating between noisy football practice or a quiet library. This means you can be confident they're hearing every moment, at every stage of their development.

### How powerful sound starts the conversation.

When your child recognises your voice and speaks their first words, these will be milestones you'll always treasure. By leveraging the established **Phonak Marvel** platform, Sky CI Marvel delivers excellent sound quality and consistent access to the sounds in your child's environment. This means always being a part of the conversation, gaining exposure to more words everyday, and developing the language skills they'll carry throughout life.



#### Roger™ Technology

Use Roger in challenging listening situations such as the classroom to boost your child's hearing performance.



#### Universal Bluetooth Connectivity

Your child can directly connect to Bluetooth-enabled devices to use their Sky CI Marvel like a headset.



### Built-in connectivity means living in the moment.

Feeling connected is essential for your child. It begins with their bond to you. As they grow, this bond broadens to include staying close with friends and extended family, even their favourite shows, music, and more.

Unlike any other cochlear implant platform, Sky CI Marvel directly streams calls and audio from virtually every smartphone and Bluetooth®-enabled device. Marvel CI is the only CI sound processors with integrated Phonak Roger technology.<sup>1</sup>

Our built-in **RogerDirect™** feature delivers clear speech right to your child's ears, without extra devices attached to the sound processor.

1. Data on file: D000033020



## FLEXIBILITY FOR YOUR GROWING CHILD'S ADVENTURES

Childhood is full of excitement, with amazing adventures around every corner. Your child should have a hearing solution that fits seamlessly and flexibly into their life; one that doesn't get in the way of their ability to explore and connect with their world.

Marvel is rated as the the most rugged and waterproof CI sound processor.<sup>1</sup> The sound processor and headpiece on our Sky CI Marvel are designed for maximum comfort and a secure fit, because the last thing you should be thinking about when your child is diving into the pool or sprinting down the soccer field is their device falling off. With Sky CI Marvel, the focus will be where it should be—on perfect dives and scoring goals.



### Go ahead, dive in.

The best childhood moments take place in active settings—bath time, swim class, hikes, sports, and on holiday. Our waterproof battery delivers the same performance even during the most rugged childhood activities—all while providing secure, worry-free wearing. Advanced Bionics has the first and only waterproof microphones and headpieces. Our **Slim HP AquaMic™** headpiece helps your child hear clearly while they play in the pool with their friends.

### Let your child's personality shine.

Whether through their choice of clothes, school art projects, or hairstyle, children are constantly learning how to express themselves. Sky CI Marvel comes in a variety of stylish colours that let your child make their own statement. Selecting their favourite one will not only make wearing their device more exciting, your child may also wear it more regularly. This means they'll get more benefit from their device.

#### Personalise Your Pick.

Choose from a variety of colours\* to suit your child's personality—from bold and vibrant like you see here to more subtle hues that blend with hair and skin for a more discreet look.



\*Not all colours are available in all markets.

### Designed for children of all ages and sizes.

Marvel CI is rated as the most flexible cochlear implant system.<sup>1</sup> Sky CI Marvel features a variety of wearing options that can be customised to the changing needs of your child. At Advanced Bionics, we know little ears best. That's because we've spent years working to ensure our technology stays where it should be—out of your child's way as they explore the world.



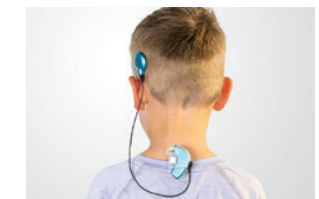
#### Behind the Ear

Great for those who want an out-of-the-way system.



#### Safe on the Ear

Ideal for keeping it safe and secure on the ear with our Sky CI Marvel retention options.



#### Nothing on the Ear

For small ears and active children – clip it on and your child will still have optimal sound quality using the headpiece-integrated microphone.

1. Data on file: D000033020

## MARVEL FROM EAR TO EAR

Whether your child is hearing from both ears, or for the first time, the right solution can be life-changing. Each moment feels more complete with two devices that let them hear from both sides. Marvel offers the industry's only linked two-ear CI solutions, and the only CI solution with a CROS. These provide richer and clearer sound quality and a more natural 360-degree hearing experience. Ask your hearing care professional which solution is right for your child.

### Three reasons to go with AB two-ear hearing

- 1 Superior speech understanding** with AB's two-ear technology<sup>1,2</sup>
- 2 Reduced listening effort and fatigue** with AB's linked two-ear technology<sup>1,3</sup>
- 3 Better hearing with CROS + AB CI** no matter where sound is coming from<sup>4,5</sup>



## Introducing linked two-ear solutions for all.

No matter what their level of hearing loss, Marvel has a flexible solution to help your child thrive in a world of sound. AB partners with our sister company Phonak to offer three options for hearing from both sides, including Marvel CI + CROS.



### Marvel CI + Marvel CI

The ultimate stereo solution for those with severe to profound hearing loss in both ears.



### Marvel CI + Link M Hearing Aid

This linked solution may be right for those with some hearing in one ear.



### Marvel CI + CROS

For those who can only use one CI and need more support, this is the newest surround sound solution that seamlessly transfers all sounds to the Marvel CI.

- Findlen, U. & Agrawal, S. (2023, June). Classifier-based Noise Management Technology Helps Children with Cochlear Implants Listen in Noise. Podium and poster presentation at the American Cochlear Implant Alliance Annual Meeting, Dallas, TX.
- Buechner, A., Bardt, M., Kliesch, S., & Brendel, M. (2022, May). Influence of Automatic Scene Classification Systems in Hearing Devices on Speech Perception in Real-life Situations. Poster presented at the American Cochlear Implant Alliance Annual Meeting, Washington, DC.
- Hornsby, B., Huang, H., Sohail, H., Gifford, R., Ricketts, T.A. & Picou, E.M. (2023, March). Effort and fatigue while listening: sustained speech-processing with cochlear implants. Poster presented at the American Auditory Society Annual Meeting, Scottsdale, AZ.
- Dorman, M. F., Cook Natale, S., & Agrawal, S. (2018). The Value of Unilateral CIs, CI-CROS and Bilateral CIs, with and without Beamformer Microphones, for Speech Understanding in a Simulation of a Restaurant Environment. *Audiology & neuro-otology*, 23(5), 270-276. <https://doi.org/10.1159/000493844>
- Dwyer, R.T., Kessler, D., Butera, I. M., & Gifford, R. H. (2019). Contralateral Routing of Signal Yields Significant Speech in Noise Benefit for Unilateral Cochlear Implant Recipients. *Journal of the American Academy of Audiology*, 30(3), 235-242. <https://doi.org/10.3766/jaaa.17117>

## Ultimate ease of use.

With Sky CI Marvel, we challenged ourselves to design an intelligent sound processor that's also easy to use. As your child embraces the power of our Sky CI Marvel system's simple setup and grab-it-and-go portability, they'll connect fully to each day's moments—quickly and easily.

Our AutoSense Sky OS 3.0 is designed to eliminate the need for manual adjustments, while the AB remote app lets you easily control and manage your child's device. Together, these advancements fit seamlessly into your family's lifestyle—so the focus is on amazing sound rather than device operation.

## Automatically senses and adapts to every situation.

From the sounds in a classroom to the acoustics in a cinema, your child will find themselves in many different listening environments on a daily basis.

**AutoSense Sky OS 3.0** uses artificial intelligence (AI) to instantly make appropriate adjustments for your child's listening environment. This is designed for better performance in noise, and eliminates the need for manual adjustments, allowing your child to live in the moment.

## Fully integrated wireless connectivity.

Today, life is about connection, especially for your growing child. That's why Sky CI Marvel provides effortless wireless connectivity to all their devices. In fact, Marvel is the only universally connected CI sound processor.<sup>1</sup>

Your child will experience crystal clear hearing in the classroom, enhanced sound during their favourite shows and music, and direct connections with family and friends. Additionally, integration with Bluetooth and Phonak Roger accessories makes navigating all these interactions easy and straightforward.



## AB Remote app: For better control.

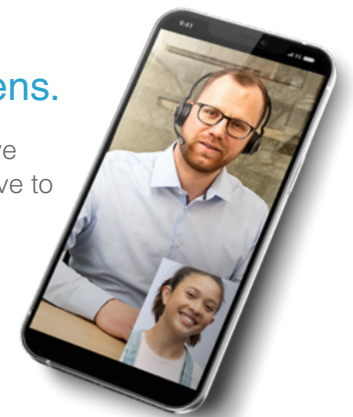
As a parent of a young child, you'll have the ability to help control their implant to ensure they're getting the best sound possible. We make this easy for you through our **AB Remote app**.

The app is designed to be easy for your child to use on their own. Once they're old enough to take control of their devices, they'll have the ability to control their hearing experience, while you can still remain involved to ensure everything is operating properly.



## AB Remote Support app: For empowering teens.

Teen's lives are busy. With AB's Remote Support app, they can have follow up appointments from their smart phones. Now they don't have to miss class or activities to have hearing support.



1. Data on file: D000033020

2. Ofcom (2019). Children and parents: Media use and attitudes report 2018. Retrieved from: <https://www.ofcom.org.uk/research-and-data/media-literacy-research/childrens/children-and-parents-media-use-and-attitudes-report-2018>, accessed August 19th, 2019.



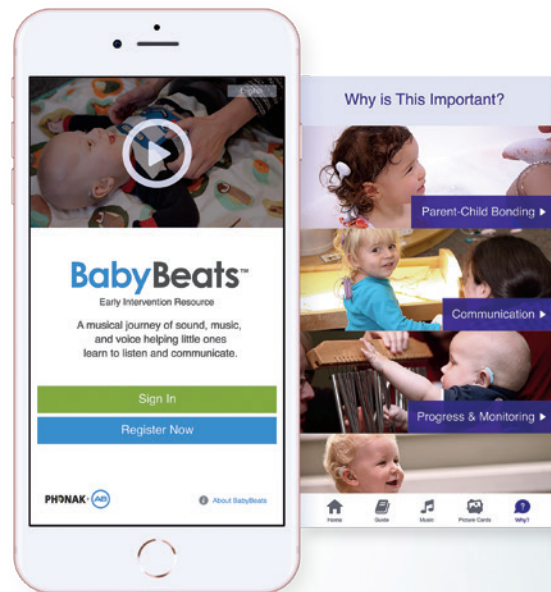
## A PARTNER FOR YOUR CHILD'S HEARING JOURNEY

Experiencing sound again, or for the first time, is an emotional, exciting step on your child's hearing journey.

By giving children access to a world full of sounds and conversations, we can help them develop speech, language and listening skills.

Find fun and interactive activities and resources in our **HearingSuccess portal** that you can use at home to nurture and develop your child's listening, language, and communication skills. You will find ideas to guide your child's hearing goals every step of the way.

[HearingSuccess.com](http://HearingSuccess.com)



## Building Your Baby's Musical Brain.

Even before they are born, all babies, whether they have hearing or a hearing loss, can respond to the beat of a sound and recognise voices.



**BabyBeats™**

The **BabyBeats™** early intervention resource opens the world of sounds, music, and voice for your child who has hearing loss. It provides a motivating, fun way to encourage your child's communication and listening both before and after using hearing aids or receiving cochlear implants. Access this resource and more online at [HearingSuccess.com](http://HearingSuccess.com).

## Connect with us.

Your AB Support and Community team are friendly and knowledgeable and are available to talk to anyone or any families who are considering a cochlear implant, or who need advice on technology, accessories, features, or listening practice resources. To book a one to one meeting with one of the Support and Community team at a time that's convenient for you, email [hear-uk@advancedbionics.com](mailto:hear-uk@advancedbionics.com) or visit [AdvancedBionics.com/CWS121](http://AdvancedBionics.com/CWS121) to check availability and book your own meeting.

We also host regular online Communicate with Success (CWS) group events to support any families considering a cochlear implant and cochlear implant wearers and their families/ caregivers. To find out when the next online event is, visit [AdvancedBionics.com/uk-events](http://AdvancedBionics.com/uk-events) or email [hear-uk@advancedbionics.com](mailto:hear-uk@advancedbionics.com)

## Talk to a family who's been there.

Our friendly community of volunteers create warm, inviting spaces where you feel accepted and understood. Our AB community mentors are here support your family throughout your child's hearing journey – in person, online or by text. Message us today at [hear-uk@advancedbionics.com](mailto:hear-uk@advancedbionics.com) to be connected to families with lived experience of hearing loss and life with cochlear implants.

## FROM TODDLER TO TEEN, AND BEYOND

Getting a cochlear implant is only the beginning of a wonderful hearing journey for your child. Their needs will evolve over the years as they mature, develop, and embrace new challenges, such as school, sports, relationships, and work.

The Sky CI Marvel hearing system is designed to meet these evolving needs over time—so they're able to enjoy every amazing moment of childhood.



### Babies

Hearing environmental sounds, voices, and music plays a part in the development of skills that help babies learn about the new world around them. With Sky CI Marvel and **BabyBeats**, your child can use fun musical activities to engage their hearing and set the stage for what comes next—talking and communicating.

### Toddlers

At this age, making sure that your child is hearing as much as possible is essential for developing spoken language and communication skills. Sky CI Marvel's waterproof accessories are designed for bath time, the beach, and other active settings—allowing for social bonding and learning wherever your child is.



### Children

As your child grows, they begin to develop complex cognitive and social skills. Sky CI Marvel's integrated **Roger™** technology helps them hear clearly in noisy classrooms and cafeterias.

### Teens

As your child enters their teens, many physical, mental, emotional, and social changes take place (not to mention technological changes). Sky CI Marvel offers the ability to stream directly and connect to any **Bluetooth**-enabled device, including tablets and laptops. This current and vital technology will keep them involved and connected, building a foundation for the independence and responsibilities of adulthood. AB's apps enable teenagers to take control of their hearing equipment and fit in virtual follow up appointments.



# MARVEL AT THE POSSIBILITIES

For over 30 years, Advanced Bionics has been innovating hearing healthcare, and we stay inspired by outcomes that get better year after year. We provide life-changing hearing results because we believe that well-hearing is well-being. That's why we're excited to offer Sky CI Marvel, the most flexible, innovative, and child-centric cochlear implant sound processor available.

Sky CI Marvel combines the best Advanced Bionics and Phonak technology and services to meet your child's specific needs and best improve their hearing. And when your child can hear, they can fully connect with the world of sound around them. It's as simple, and life changing, as that.

All around the world, hundreds of thousands have already benefited from our cochlear implants. Experience the power of connection for yourself, and for your child.

Visit us at [AdvancedBionics.com](https://www.advancedbionics.com) and start your child's journey to better hearing today.



## ABOUT ADVANCED BIONICS

From the beginning, Advanced Bionics was founded on the principle of innovation for better hearing. Our commitment to putting patients first and providing the best possible hearing performance remains at the forefront of what we do.

AB main offices, including research, engineering and manufacturing facilities, are located near Los Angeles, California, while our international headquarters are based near Zurich, Switzerland. Our local AB office and Customer Services team are based in Cambridge whilst our logistics team is based in Warrington. Since 2009 we are part of Sonova, the world leader of hearing care solutions: with origins in 1947, the Sonova group is present in over 100 countries over the globe and has more than 14,000 dedicated employees.

We are driven by the success of the people who choose Advanced Bionics, and are honoured to have the opportunity to help those with hearing loss enjoy a life without limitations.



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