



roger

Guide for Roger™ solutions to keep kids and teens connected

Bridging the understanding gap

A world of endless possibilities

Children have energetic and active lives. Their world is constantly shaped by interactions with their environment. As such, it is important that they feel connected to it.

Modern hearing aids do a great job of helping children and teens with hearing loss connect to their environment by enabling them to hear and interact with friends and family. But when in a noisy environment, following what is being said can be challenging and at times, frustrating. This is where the Roger portfolio excels.



Crawl, walk and run with Roger

How does it work?

Roger systems feature discreet wireless microphones worn by the person speaking and tiny Roger receivers attached to the child's hearing aids, cochlear implants or bone anchored hearing devices. The result? Children hear the talker's words clearly and directly in their ears, filtering distracting background noise even from a distance.

Now, Roger is easier than ever before! For hearing devices with RogerDirect™, Roger can be wirelessly installed, meaning children get the proven benefits of Roger technology¹ without the need to attach an external receiver.

Roger can be used anywhere ...

Whether at home, school or out socializing with friends, Roger provides kids and teens access to quality sound in even the most challenging scenarios.

Roger is ideal for use:

- At home during family conversations and parties
- Exploring out and about
- Socializing with friends
- While watching TV
- Listening to music
- Talking on the telephone
- Conversations at school
- Playing sports



¹ Thibodeau, L. (2014). Comparison of speech recognition with adaptive digital and FM wireless technology by listeners who use hearing aids. *American Journal of Audiology*, 23, 201-210.



Roger connects with loved ones

Families form our first relationships. These intimate connections are for life and lay the foundation for a range of important developmental outcomes.² Children need to be able to hear speech, in order to develop speech and language and to communicate effectively. This is crucial for a child's security, harmony and well-being.

At home

A home can be a difficult listening environment for a child with hearing loss. Listening **across a room** can be difficult, especially with **background noises**, e.g. TV, kitchen and laundry appliances running.

Mealtimes can pose a real challenge. Keeping up with dynamic conversations is made especially hard due to the complex mix of voices, background noise and clinking cutlery. For a child to be an active participant in a conversation, they need to hear everyone at the table clearly.



² National Scientific Council on the Developing Child. (2004). Young children develop in an environment of relationships. Retrieved from <https://46y5eh11fhgw3ve3ytpwxt9r-wpengine.netdna-ssl.com/wp-content/uploads/2004/04/Young-Children-Develop-in-an-Environment-of-Relationships.pdf>, accessed August 19th, 2019

Out and about

Venturing out into the world beyond the comforts and familiarities of one's home comes with a completely different set of challenges. Understanding speech can be especially difficult when sounds are coming from numerous directions. For a child **sitting in a stroller** trying to listen to the person pushing them – this is definitely the case.

Outdoor spaces such as parks and playgrounds should be fun and exciting places, but often are worrisome for parents and can make children feel insecure. There is often surrounding noise, the child is not always close, and speech reading is virtually impossible due to constant movement and activity. Using remote microphones can give parents and the child confidence to explore.





Running errands offers an opportunity for diverse language input but can also be a source of worry for parents when a child with hearing loss is out of reach. By having a way for a child to hear even at a slight distance, parents don't lose touch with them.

Car journeys are one of the most difficult listening situations. The constant hum from the vehicle along with road noise and other distracting sounds can make even a short trip frustrating for children. These journeys are more pleasant when children can hear and talk to their parents, even while sitting in the backseat. As a teen learns how to drive, hearing the instructor's or parent's cues are key to becoming confident on the road.



Roger connects with friends

Being social and actively **participating** in group outings, means being able to follow and contribute to conversations. Having a hearing solution that functions optimally but is not obtrusive can be important for kids and teens in order for them not to feel out of place.

Sports

Kids with hearing loss find it easier to respond to a **coach's instructions** when they can hear commands directly – regardless of where they are on the court or the level of surrounding noise. This way, instead of missing out on useful advice, they can listen and get in the game.

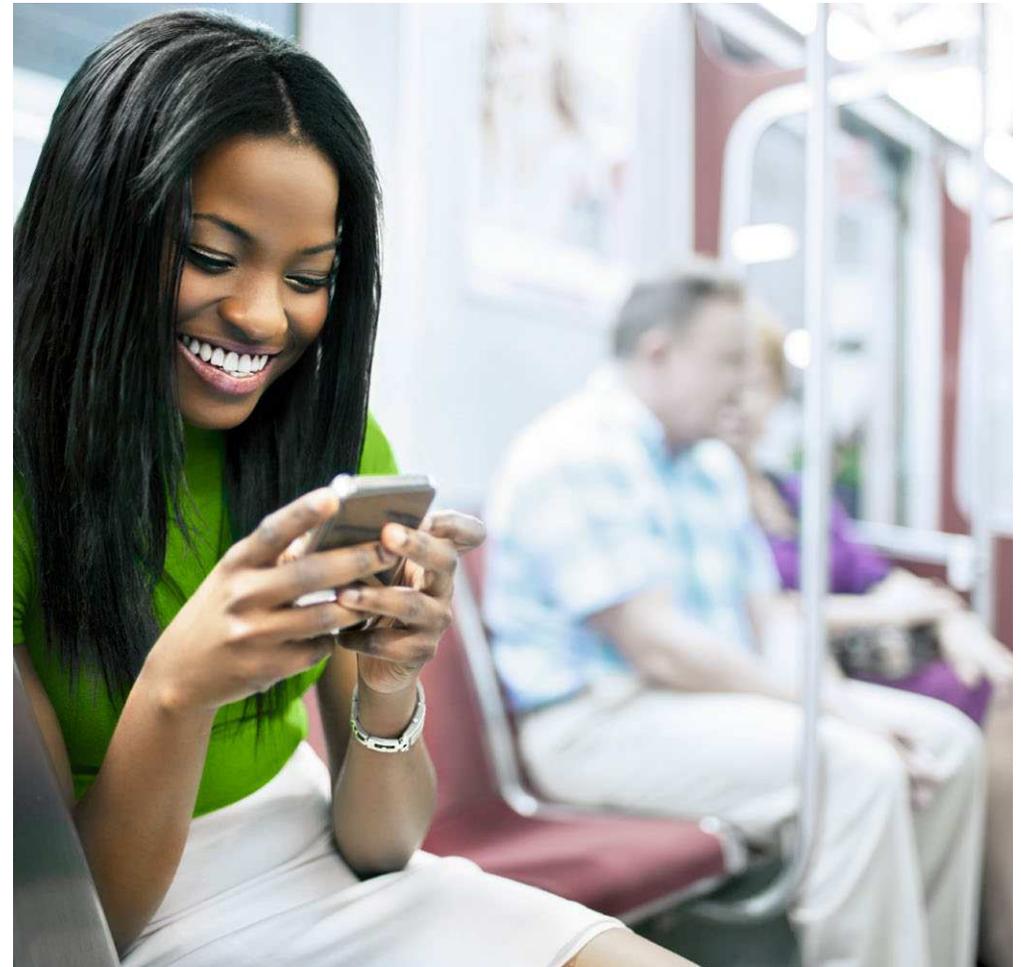
Extracurricular activities and clubs

These activities are crucial for development. It is not only language skills, but important **social skills** that are also acquired through interaction with others. Being able to hear the leader and others in these group situations means less stress and more fun.



Connecting with family and friends

Smartphones are a daily part of a kid's life today. This can present difficulties because there may not be face-to-face interaction. Having an easy solution to help them stay connected allows them to take advantage of today's technology.



Roger connects with students

TV, video, listening to music and gaming

Watching videos, playing games and listening to the latest music is fun – alone or with friends. Being able to quickly connect to all their **audio devices** and listen through their hearing aids, means they are always a simple click away from hearing the things that they want.



For all children, especially those with hearing difficulties, it's important to hear well at school. Classrooms are a dynamic place for interaction and of course learning. In order to **fully participate**, every child needs to hear not only the teacher, but also classmates and multimedia devices within the classroom. With **Roger for Education** there is a solution for every situation.



When class discussions start, a child with hearing loss should not miss out on the questions, answers and comments of classmates. The small Roger Pass-around, either held near the mouth or placed in its small table stand, allows for each child to be heard.



For teaching with supportive audio material, like video or music, the Roger Multimedia Hub can be added to the network and used by plugging it into the audio out (i.e. headphone) jack of the audio source. Alternatively, the device can be used as a stand-alone transmitter for independent work, like listening to an audiobook.



Roger products

Microphones and multimedia transmitters



Roger Select™

Roger Select is a versatile microphone ideal for stationary situations where background noise is present. When placed on a table, it discreetly and automatically selects the person who is talking, and seamlessly switches from one talker to another. When multiple conversations take place, the listener can manually select whom to listen to.



Roger Pen™

The Roger Pen offers state-of-the-art wireless technology. Packed in a discreet design, its features include fully automated or manual microphone settings and Bluetooth connectivity, providing an all-inclusive listening experience.



Roger Clip-On Mic

The Roger Clip-On Mic, worn on a shirt is a small and lightweight microphone. Perfect for parents and family members, multiple Roger Clip-On Mics can be used together, allowing a child to hear everyone.



Roger Touchscreen Mic

Roger Touchscreen Mic features a new, user-friendly interface for use in the classroom. With an automatic microphone function, it conveniently switches from an individual talker to a small group interaction mode, depending on its placement.



Roger Pass-around

The Roger Pass-around microphone is designed to enhance classroom discussions so that not only teachers, but all students are heard clearly. With an appealing design it is the optimal size for kids and teens to hold and fully control.



Roger Multimedia Hub

This versatile transmitter used in a Roger network features audio mixing which allows a teacher's voice to be heard simultaneously with an audio signal. Used as a stand-alone device, it can be connected to an audiobook or tablet for individual listening.

Receivers and accessories

With several styles of Roger receivers and accessories available, there is a solution for every child, regardless of the hearing technology they are currently using.



Hearing devices with RogerDirect

They can receive signals from Roger™ microphones directly and without attaching a separate receiver for better understanding in noise and over distance.¹



Roger X

The miniature universal Roger receiver is compatible with virtually all hearing aids and cochlear implants including devices with RogerDirect.



Roger design-integrated receivers

Roger receivers designed for specific Phonak hearing aids and cochlear implants (CIs) from Advanced Bionics, Cochlear, and MED-EL.



Roger MyLink

An easy-to-use universal Roger receiver worn around the neck and compatible with any hearing aid or cochlear implant with T-coil.



Roger Focus

A discreet behind-the-ear receiver that cuts through distracting background noise to bring a speaker's words directly into a child's ears. Children with unilateral hearing loss (UHL) and normal hearing children with auditory processing disorder (APD) and/or autism spectrum disorder (ASD) could benefit from this elimination of distracting background noise.

¹ Thibodeau, L. (2014). Comparison of speech recognition with adaptive digital and FM wireless technology by listeners who use hearing aids. *American Journal of Audiology*, 23, 201-210.

Solution summary

Situation		Roger Select	Roger Pen	Roger Clip-On Mic	Roger Touchscreen Mic	Roger Pass-around	Roger Multimedia Hub
Family life	Conversations at home	•	•	•	•		
	Mealtime	•	•	•	•		
	At the park	•	•	•	•		
	In a car	•	•	•	•		
Social life	Meeting with friends	•	•	•			
	Sports coaching	•	•	•	•		
	Music, gaming, TV	•	•	•			•
	Group and club activities	•	•	•	•		
School life	Teacher lectures	•	•		•		
	Small group activities				•		
	Classmate comments					•	
	Listening to smartboards, computers or audiobooks						•

Join us online

There is a whole host of useful Roger-related web pages and tools online. Why not try them today?

www.hearinglinkeme.com

Online community for those whose lives are affected by hearing loss. People from all around the world share stories that inspire hope in almost any hearing loss situation.

www.phonak.com/classroom-resources

Online resources designed to help children with hearing loss succeed in the classroom and educate others on hearing loss.

www.phonak.com/teens

A web page designed specifically for teens, including topics that are particularly relevant for this age group.

www.phonak.com/parent-resources

Online resources to support parents and their child every step of their hearing journey. Includes BabyBeats™, Leo's World and the Listening Room™.

www.phonak.com/roger-for-young-children

A web page that explains why giving your child access to more words and conversations with Roger is so important for your child.

Life is on

At Phonak, we believe that hearing well is essential to living life to the fullest. For more than 70 years, we have remained true to our mission by developing pioneering hearing solutions that change people's lives to thrive socially and emotionally. Life is on.

www.phonak.com/kids

