

Performance is paramount for pediatrics.

Roger™ helps children focus, participate, and thrive in class by supporting learning and language development. Let's see how it improves daily experiences for kids and teachers.



Dynamic learning

How can we ensure that students with hearing loss can hear and engage in a vibrant school environment filled with laughter, learning, and lively discussions?



Almost 90%

of a child's elementary school day is spent listening to speech in noise¹.

Key benefits of Roger

- Increases signal-to-noise ratio
- Keeps teachers' voices above the noise
- Adjusts its settings automatically

Challenge

1. Students need a better signal-to-noise ratio not only for understanding and academic performance, but also for social and emotional integration into the class².
2. Students can struggle to focus on the right voice in noisy settings with many speakers.
3. Students use multimedia alongside educational content to enhance learning at school.

Solution

1. Adaptive microphone technology to adjust the teacher's voice based on the background noise levels.
2. MultiBeam technology to automatically select and prioritize speech when multiple speakers are present.
3. MultiTalker Network to access multiple talkers and instructional media sources at the same time.

Results

1. Hear up to 2x more with Roger Touchscreen mic compared to fixed directional remote mics.
2. In small group settings, the Roger provides more speech understanding from multiple directions compared to fixed directional remote microphones.
3. The broad Roger ecosystem ensures compatibility with various devices to support hearing.

¹ Cruckley, J., Scollie, S., & Parsa, V. (2011). An exploration of nonquiet listening at school. *Journal of Educational Audiology*, 17, 23-35.

² Haberlin U, Moser U, Bless G, & Klaghofer R (1989). Integration in die Schulklasse. Fragebogen zur Erfassung von Dimensionen der Integration von Schülern, FDI 4-6. Bern: Haupt.

³ Neumann S, Calise S, Hill H, Standaert L, Schnittker JA, Roh MC, Nelson J, Zhu X. Not all remote microphones are created equal: A comparison of remote microphone technologies for pediatric hearing aid users. Poster presented at: Pediatric Translational (PAT) Audiology Research Conference. 30 May 2025; Boys Town, Nebraska, NE.

Dynamic teaching

What solution can we implement to support teachers in effectively teaching students with hearing loss while simplifying the process for efficiency?

86%

of users rate Roger Touchscreen Mic 4 and above out of 5*

Key benefits of Roger

- No lost receivers
- Low latency audio delivery
- Compatibility with almost all hearing aids and cochlear implants



Challenge

1. Teachers should provide an inclusive environment where students feel supported in every learning setting.
2. Teachers at risk of vocal strain by speaking louder or frequently repeating information.
3. Teachers need a simple, intuitive solution for easy adjustments in dynamic classrooms.

Solution

1. An all-in-one microphone solution that switches effortlessly between lecture and group discussion activities.
2. A wireless sound transmission that amplifies the teacher's voice directly to students' hearing aids.
3. An intuitive interface with a simplified menu.

Results

1. The Roger Touchscreen Mic features multiple modes based on device orientation, adapting to dynamic classrooms.
2. The Roger Touchscreen Mic features adaptive gain to boost the teacher's voice over background noise and distance.
3. The Roger Touchscreen Mic provides easy access to frequently used options to quickly find what teachers need.

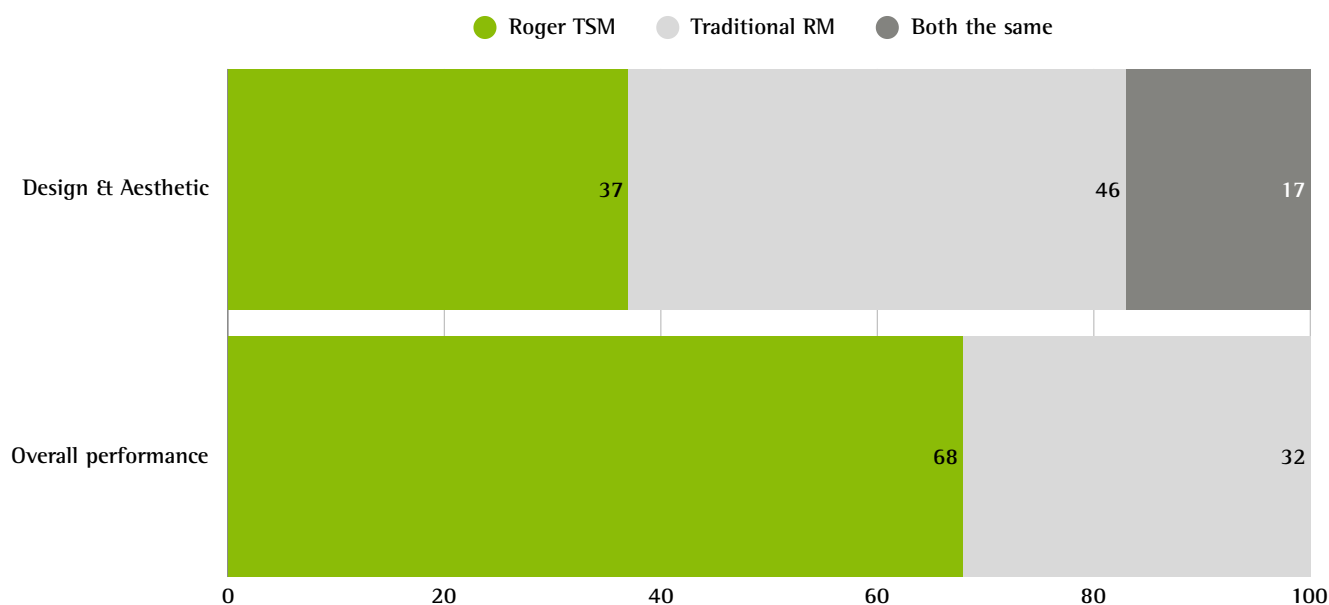
Roger the preferred solution

In our latest study, we asked children to rate both the design and aesthetics of remote microphones, as well as their overall performance.



68%

of children preferred the Roger Touchscreen microphone as the overall remote microphone choice when asked to choose one microphone for the school.*



Experience the performance of the Roger Touchscreen Mic.



Learn how to adjust the volume of the Roger microphones.



Roger real-life experiences

Dr. Carrie Spangler


An educational audiologist with over 25 years of audiological experience working with pediatrics who have hearing loss with a focus in the educational setting. Watch her testimonials here



Since 2013, I have worked with Roger products, transitioning from FM to Roger in schools. Roger transformed the way we handle frequency interference, utilizing Adaptive Frequency Hopping technology in the license-free 2.4 GHz ISM band. This innovation made our work as educational audiologists much easier, providing a reliable signal we could trust.

With Roger Unlimited, I can now effortlessly provide access to Roger for all students using Phonak and AB devices, eliminating the hassle of tracking receiver serial numbers and lost equipment. This is again a significant improvement in my workflow.

The ability to add multiple microphones for students with multiple teachers or intervention specialists, along with the option to integrate a classroom audio distribution system (Digimaster) for better signal-to-noise ratio, makes Roger a go-to technology.

 The consistent sound quality, ease of use, and positive impact on improved signal-to-noise-ratio make Roger an essential tool for educational success.

Roger real-life experiences

Melissa Hyder

Melissa discovers Roger MultiTalker Network feature at school. Read what she thinks about here.



Meet Melissa

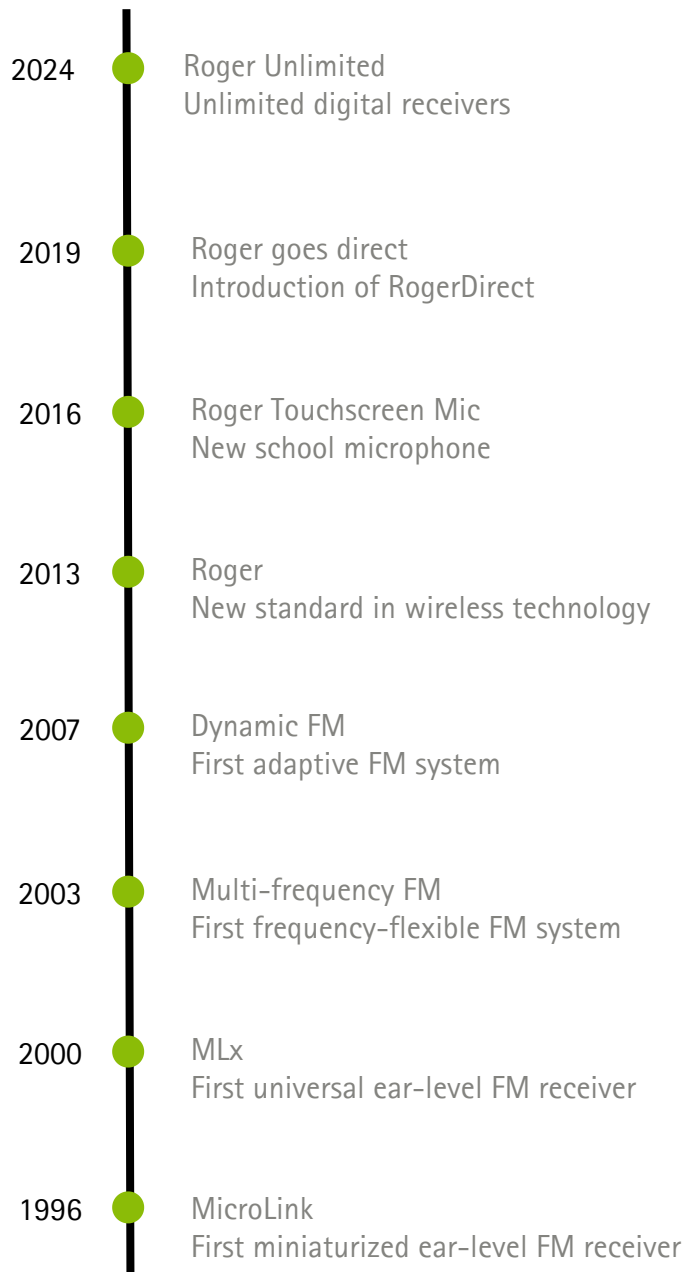
Melissa Hyder is a mom of two kids with hearing loss. The first time she experienced Roger was when her son, Ayden, started preschool. Despite the benefits of Roger she was feeling nervous because her son's preschool had two teachers and she was nervous that he was missed out on all the instruction occurring when the head teacher was working with other kids.

To her surprise, Roger allowed to connect a second speaker. That means that while the teacher can wear the microphone, a co-teacher or teaching assistant can also wear a Roger microphone.

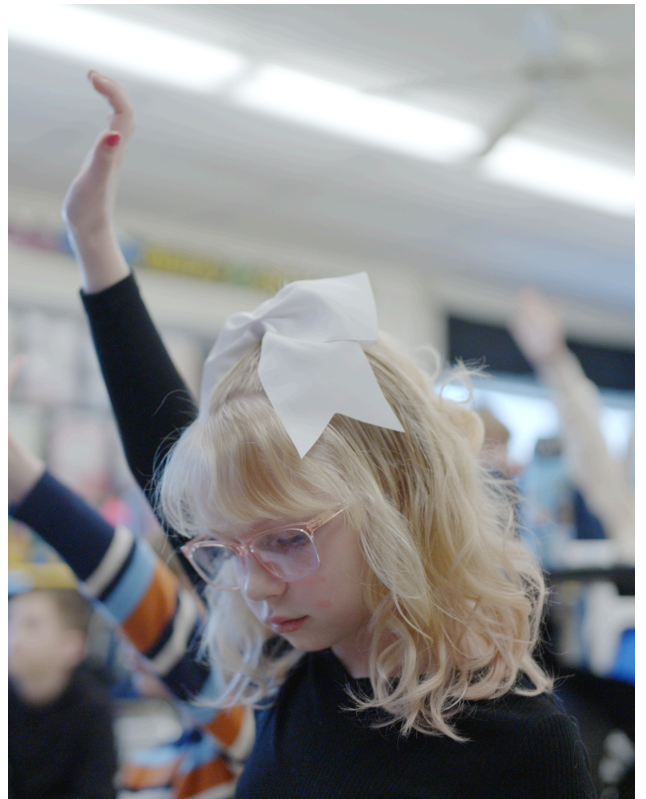
My son had access to both speakers increasing his access to sound and learning in the classroom.

A heritage of innovation

Nearly three decades in designing hearing solutions for children with hearing loss.



Since 1996, Phonak has dedicated a team that focuses on developing products and solutions that support diverse teaching styles and approaches, so that teachers don't have to adapt theirs and students can fully engage in classrooms.



life is on

Since 1947, Phonak is dedicated to preserving life quality by opening new acoustic worlds. Already back then, in the days of our foundation, our company was driven by a formative conviction: We believe that well-hearing equates to well-being and thus is essential for living life to the fullest. In fact, the sense of hearing is directly linked to social, emotional, cognitive and physical well-being. Today as in future, we thrive to offer the broadest portfolio of innovative hearing solutions. And, together with our hearing care professionals, we keep on focusing on what matters most: improving speech understanding, changing people's lives and having a positive effect on society as a whole.

phonak.com/roger