



roger

# Roger™ for Education

Bridging the understanding gap



**PHONAK**  
life is on



# Active participation in the modern classroom

For all children, especially those with hearing difficulties, it's important to hear well in school for learning and social interaction. Distance, background noise and reverberation are especially challenging for students with a hearing loss.

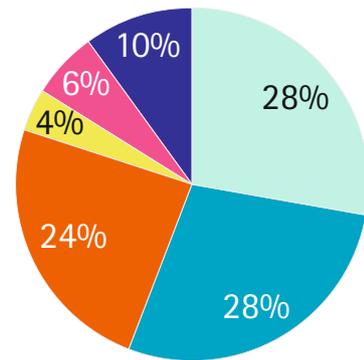
A modern classroom is made up of many elements which create a dynamic learning environment. From peer-to-peer work and lectures to activities which include various forms of multimedia, it's a place designed for both students and teachers to participate, engage, discuss and truly interact.

In order to keep up with fast-changing learning environments, the new Roger for Education portfolio offers various intuitive and easy-to-use solutions, specifically designed for any lesson. Students and teachers alike now have the opportunity to master various modern classroom activities with ease.



## Average day in a classroom

Classroom discussions play a key role for teachers and students. They help to maintain focus and encourage engagement which makes for a dynamic learning atmosphere. When a topic is discussed, a simple question can spark interest and inspire kids and teens who may not otherwise get involved. It creates an open dialogue between students and teachers while helping to develop and strengthen language and verbal skills. In a recent study, interactive class discussions have been found to represent one third of a student's learning opportunities in school.<sup>1</sup>



- Discussion
- Work one by one
- Lecture by the teacher
- Lecture by other student
- Work two and two
- Discussion in small groups

<sup>1</sup> Inclusion or Exclusion – Children with hearing loss, are they really integrated in the classroom? Lejon, A. K. 2013. White Paper

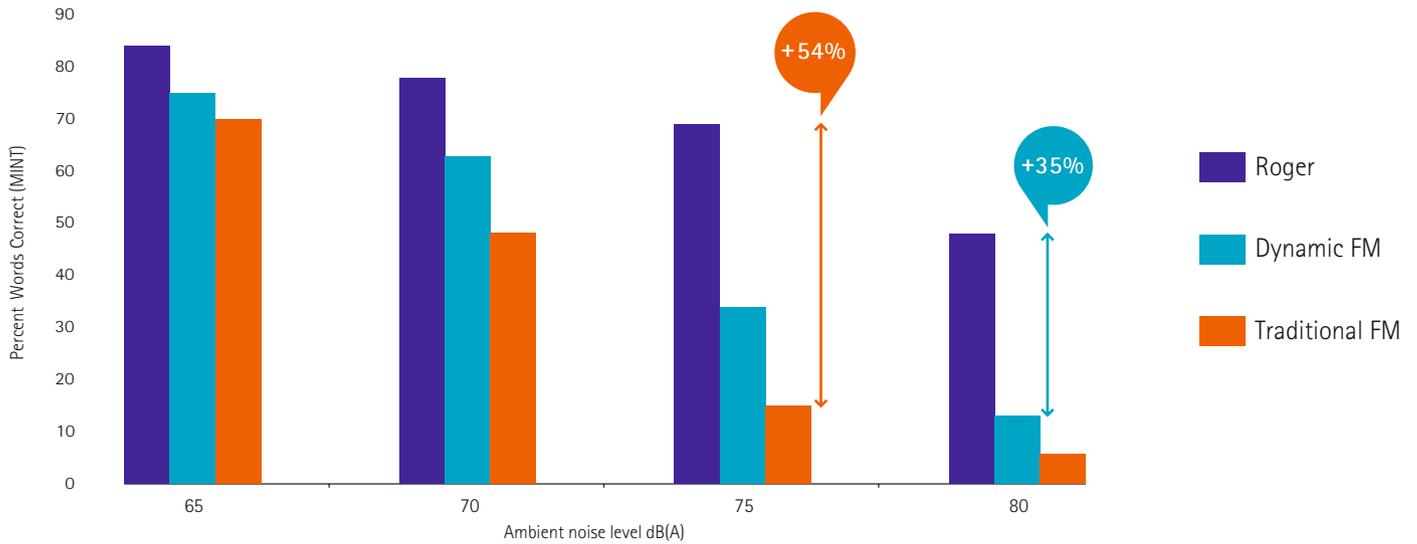
# Learning made easier with Roger

Developed by Phonak, the Roger for Education portfolio is built with over four decades of excellence in designing hearing solutions for children. Roger is the adaptive digital wireless standard that offers outstanding performance. By providing improved signal-to-noise ratios which young listeners require, it boosts speech understanding over distance and in noisy environments.

# Maximum performance

In order to learn auditory information and understand context, a student has to have access to the clearest sound possible. These skills are not only required for successful academic progress, but also necessary for social development.

With the best ever speech-in-noise performance and documented improvements of up to 35% over Dynamic FM and 54% over other FM systems,<sup>2</sup> Roger is a class above the rest.



<sup>2</sup> Professor Thibodeau, Linda, PhD (2013), Comparison of speech recognition with adaptive digital and FM wireless technology by listeners who use hearing aids, University of Texas, Dallas, USA, International Journal of Audiology.

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## Zero hassle

Roger's brilliance lies within the combination of its innovative technology and ease of use. With its simple network setup, there are no frequencies to plan or manage. Whether for one student or many students in a classroom, using Roger is as easy as ABC.

### Automatic microphone mode

Fully automatic microphone settings allow for optimal use with minimal intervention on the part of students or teachers. The right microphone mode is automatically chosen based on the orientation of the device. This makes it easy to use on a daily basis for teachers and students.

### Intuitive indicator lights

Roger features an indicator light concept across the devices which is clearly visible and easily understood by both students and teachers. The indicator lights confirm the operational status of each device, whether on, off, charging, muted or being used with multiple people talking in a network.

### One-tap connection

Connecting microphones and receivers has never been easier. Simply position the Roger Touchscreen Mic close to a receiver or other Roger device and tap 'Connect'.

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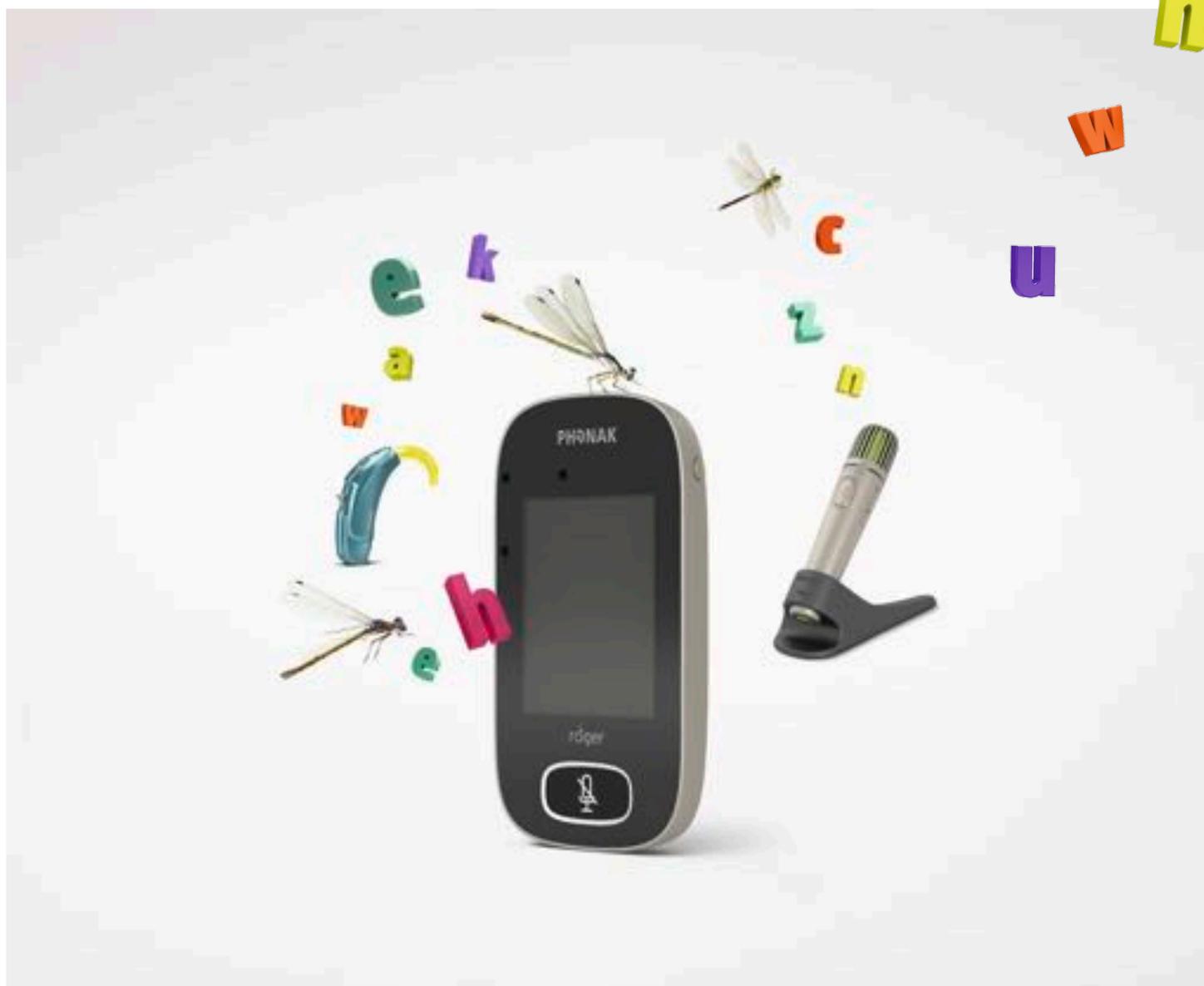
## Full compatibility

Roger is compatible with almost every hearing instrument, cochlear implant and bone-anchored hearing device. It also allows multiple microphones and media devices to be connected, creating a network for multiple talkers and audio for full classroom interaction. For flexible integration, the new Roger microphones are compatible with existing Roger receivers, Roger classroom microphones and soundfields.



# The new Roger for Education portfolio

The Roger for Education portfolio includes carefully designed products to suit every student and every situation. From the new Roger Touchscreen Mic and the Roger Pass-around, to a variety of Roger receivers, soundfield speaker systems and other classroom devices, complexity is no more and children can hear it all!



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## Roger Touchscreen Mic

The new user interface makes Roger Touchscreen Mic simple and intuitive to use in the classroom and allows both teachers and students to easily know when the microphone is working and transmitting.

### Features

- Intuitive icons for quick access to Roger functions.
- Easy swipe technology to scroll through menu options and functions.
- Two separate indicator lights – one for on/off and the other to indicate when the device has been muted.
- Automatic microphones that adaptively change between **Lanyard mode** (worn around the neck), **Small Group mode** and **Pointing mode**.





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## Small Group mode

The new innovative Small Group mode utilizes a system of three intelligent embedded microphones working together in an advanced and adaptive way.

When the Roger Touchscreen Mic is placed on a table between 2-5 students, the microphones will automatically orient to the student who is talking in the group. This ideal solution provides students with improved access to their peers, resulting in engaging classroom activities.

In a recent study, 100% of children preferred listening to their peers using Small Group mode during classroom activities.<sup>3</sup>

<sup>3</sup> Small Group mode, Phonak Insight, 2016

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## Pointing mode

The Roger Touchscreen Mic features a convenient and clever pointing mode. It allows the user to hear a person positioned in close proximity by simply aiming the device at them. This simple, yet effective solution makes listening fun and easy for teenagers who prefer to manage their own microphone.

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## Roger Pass-around

The Roger Pass-around 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. Ideal for situations where there are several talkers, the Roger Pass-around can be handed from one person to another or placed in the sturdy stand in front of the student. This allows for all comments of students and teachers to be heard via Roger receivers and soundfields. The Roger Pass-around is automatically activated by voice or can be configured for Push-to-Talk functionality.



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## Roger Multimedia Hub

The Roger Multimedia Hub can be connected to any multimedia device used in a classroom – ranging from smartboards and TVs to computers and videos. When the Roger Multimedia Hub is used in a network, the new audio mixing feature allows a teacher's voice to be heard simultaneously with an audio signal.

The Roger Multimedia Hub can also be connected as a stand-alone media transmitter by an individual student. Optimal for listening to an audiobook, using a tablet or computer.



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## Roger Charging Rack

The Roger Charging Rack accessory is small and lightweight. It allows up to 4 devices to be charged simultaneously and provides a consistent charging spot for remembering and collecting multiple devices without the need for additional cords or plugs.



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# Roger for Education portfolio – receivers and accessories

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

## Roger X

The miniature universal Roger receiver with 3-pin Euro plug is compatible with virtually all BTE hearing aids, cochlear implant speech processors and streaming devices.



## 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 design-integrated receivers

These discreet Roger receivers perfectly complement the sleek contours of a Phonak hearing aid and are available in matching colors and tamperproof versions. There are also design-integrated Roger receivers compatible with selected cochlear implants (CIs) from Advanced Bionics and Cochlear.



## 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. These devices enable children with unilateral hearing loss and normal hearing children with Auditory Processing Disorder (APD), or Autism Spectrum Disorder (ASD) to understand speech in noise better.



## RogerReady

With Phonak Sky™ V, the newest pediatric hearing aid family, adding a Roger receiver is easier than ever before. No additional programming of the hearing aids is required. Devices with direct audio input automatically detect the signal from a Roger microphone and activate the Roger + Mic program. Also for the first time, directionality is available within the Roger program giving children access to the benefits of directional microphones throughout their day.





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## Roger Soundfield systems

Phonak's portable or installed Roger DigiMaster 5000 loudspeaker system offers the ultimate in instant sound performance for an averagesized classroom. For larger rooms, two Roger Digimaster 7000s give coverage like no other system can.

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## Roger DigiMaster X

Perfect for classrooms with other soundfield installations to ensure every listener can enjoy Roger-quality speech understanding. Just plug in, turn on and teach.



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## Roger WallPilot

This small wall-mounted device is positioned next to the door. When students walk by, it automatically connects their Roger receivers to the room's existing Roger network.



Teachers can also connect their microphones by simply switching them on, close to the Roger WallPilot. Multiple Roger WallPilots can now be used in large rooms where multiple entrances are used.





# A broader listening horizon

Technological advancements have created an active and vibrant space for students and teachers.

The Roger for Education portfolio has also successfully adapted to the ever changing modern classroom environment with its state-of-the-art microphone technology, smart implementation and easy usability. In order to bridge the understanding gap, Roger truly provides the optimal solution for all kids, teens and teachers wishing to broaden their educational horizons and listening soundscapes.



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# 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.**

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