



# Roger™ SoundField for education

Learning without limits



A Sonova brand

**PHONAK**  
life is on

# Hearing more means learning more

Classrooms are noisy places. Lively discussions and interactions between teachers and students are vital for effective learning. Unfortunately, the reality is that classroom acoustics are usually less than ideal and teachers are often speaking to students from a distance. This means that a child's daily learning environment comes with many listening challenges.

Fortunately, with Roger SoundField, these challenges can be easily overcome. Roger SoundField effectively distributes sound from the teacher, students and other sound sources throughout the entire classroom. The Mainstream Amplification Resource Room Study (MARRS) revealed soundfield systems decrease background noise and help children pay attention, hear and understand the teacher better.\* It also reported improvements in reading and language scores for thousands of students in classrooms that use soundfield technology.\*

In addition, teachers who participated in the MARRS project reported that using amplification in the classroom reduced vocal strain and the need to repeat instructions.\*

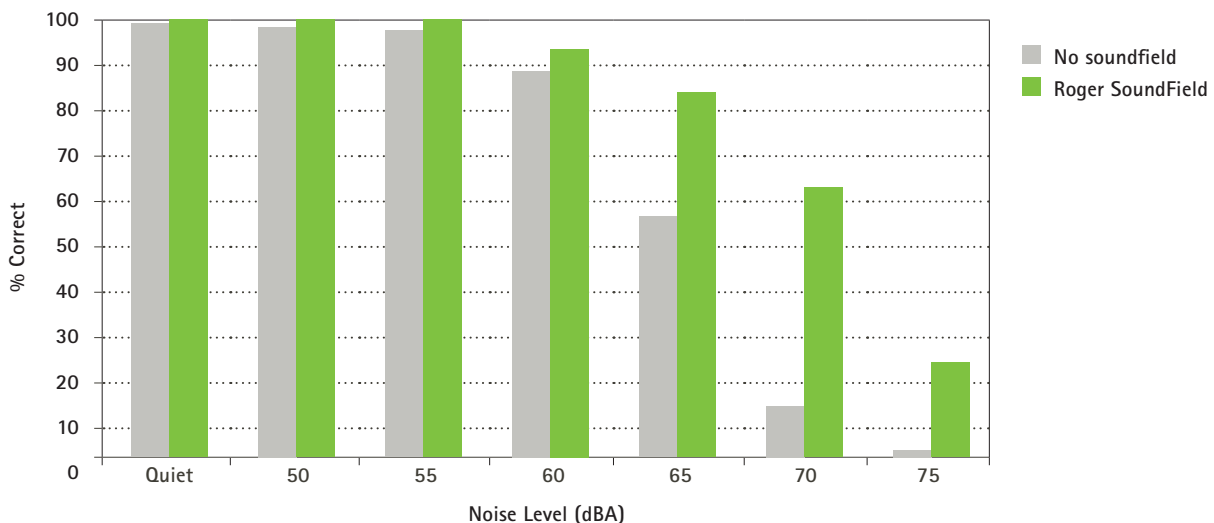


# A class of its own: Roger SoundField

In order to understand speech in noisy classrooms, children require a better signal-to-noise ratio (SNR). Roger SoundField significantly boosts a young student's chance for academic success by providing an improved acoustic environment for listening and learning.\*

## Excellent performance

With the significant speech-in-noise improvements for normal hearing children of up to 28% at 65 dBA of noise and 50% at 70 dBA over no soundfield, Roger SoundField is excellent.\*



Average speech recognition scores across noise conditions for normal hearing children with no soundfield compared to with Roger SoundField system.

## Easy as A, B, C

Roger systems transmit sound digitally and automatically alternate frequencies to eliminate potential interference with existing Wi-Fi or Bluetooth networks. Roger SF Touchscreen Mic continuously estimates the surrounding noise and automatically optimizes the volume, ensuring that speech remains loud and clear. What's more, it's simple to set up – just plug in, turn on and let learning begin.

## Protecting teacher's voices

Noisy classrooms can result in teachers suffering from vocal strain – leading to poor vocal health in the long term and increased costs due to teacher absences. A study in Brazil showed that using a Roger SoundField in a classroom, for just one period of the school day, was enough to improve dry throat symptoms, voice quality, fatigue while talking, and vocal strain in teachers.\*

# The Roger for Education SoundField portfolio

With more than four decades of expertise in pediatric hearing solutions, Phonak continues to provide innovative solutions for the modern-day classroom. With a comprehensive portfolio including a range of Roger microphones and speakers from which to choose, listening challenges in the classroom can be overcome. Children can simply learn – and teachers teach – without limits.



# The right speaker for every room

Regardless of the size, Roger SoundField delivers crystal-clear sound to an entire room, so children can listen, focus and learn.



## Regular-sized classrooms

Roger DigiMaster 5000 is the excellent solution for average-sized classrooms. Coupled with a Roger SF Touchscreen Mic, this system offers the ultimate instant-sound performance.



## Larger classrooms, lecture halls and auditoriums

Roger DigiMaster 7000 is the system of choice for larger spaces. The system can transmit over a larger area and has the option of being connected in a network of two speakers, therefore covering double the range of one DigiMaster 5000.

Each DigiMaster loudspeaker comes with a power cable. An optional floor stand, wall mount or tripod set can be ordered separately.

# A solution for every student

The Roger for Education SoundField portfolio ensures that no student falls behind.



## Roger SF Touchscreen Mic

Featuring an intuitive user interface, this simple-to-use microphone can be combined with one or more Roger Pass-arounds and transmits exclusively to Roger DigiMaster loudspeakers for the entire class. It is incompatible with Roger universal or integrated receivers.



## Roger NeckLoop

Roger NeckLoop is perfect for adding a wireless Roger microphone in classrooms where there is an existing soundfield system. Simply connect the Roger NeckLoop to the microphone input of the amplification system. The Roger microphone and the Roger NeckLoop seamlessly ensure everyone has access.



## Roger Pass-around

This mic is designed to enhance classroom discussions so that not only the teacher, but every student, can be heard clearly as well. The Roger Pass-around is automatically activated by voice or can be configured for Push-to-Talk functionality. Plus, it's easy for kids to hold and control.



## Roger Touchscreen Mic

Essential when there are hearing aid or cochlear implant users in the classroom, Roger Touchscreen Mic provides Roger sound quality and speech understanding to listeners with personal Roger receivers, Roger NeckLoop and Roger SoundField listeners at the same time. This microphone cannot be used in the same network as a Roger SF Touchscreen Mic.

# A fully connected classroom

## Staying connected is crucial for kids and teens

Multimedia devices that are used in classrooms, e.g. TVs, MP3 players, smartboards, laptops and tablets can easily be connected to the Roger Multimedia Hub, which wirelessly transmits to Roger DigiMaster loudspeakers. When used in a network, the audio mixing feature in the Roger Multimedia Hub allows a teacher's voice to be heard simultaneously with an audio signal.

Real learning in the classroom only happens through active engagement and discussion. Phonak understands the challenges that noisy classrooms pose and as a result, have developed a portfolio of products that allow everyone in the classroom to achieve academic success.



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## 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.phonakpro.com](http://www.phonakpro.com)

