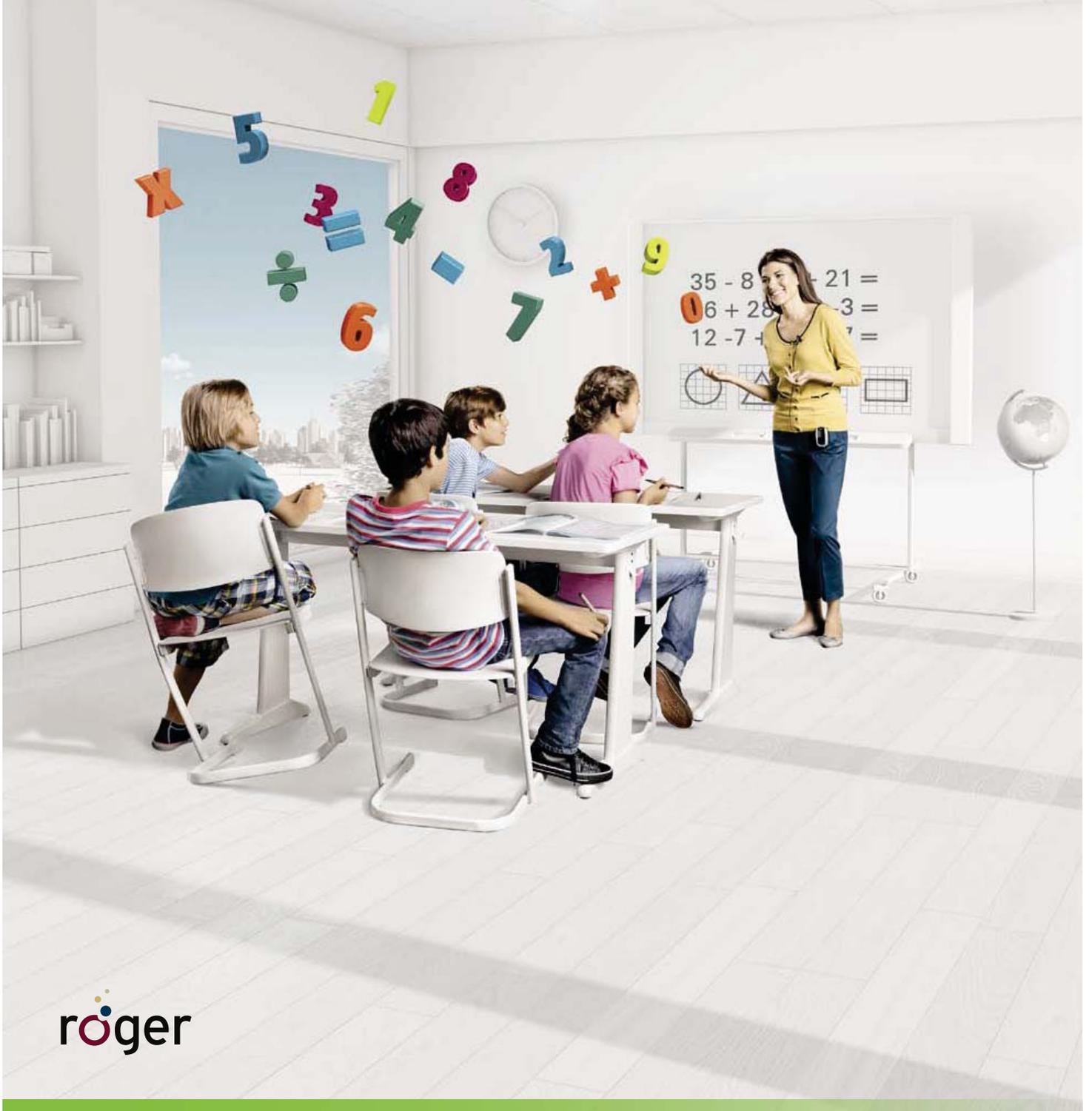


# Roger

Bridging the understanding gap



roger

**PHONAK**  
life is on



Real and meaningful education occurs when children are truly engaged, but such engagement is only possible when students can clearly hear and understand. For children living with hearing difficulties, this presents an extra challenge. A challenge that calls for intelligent solutions.

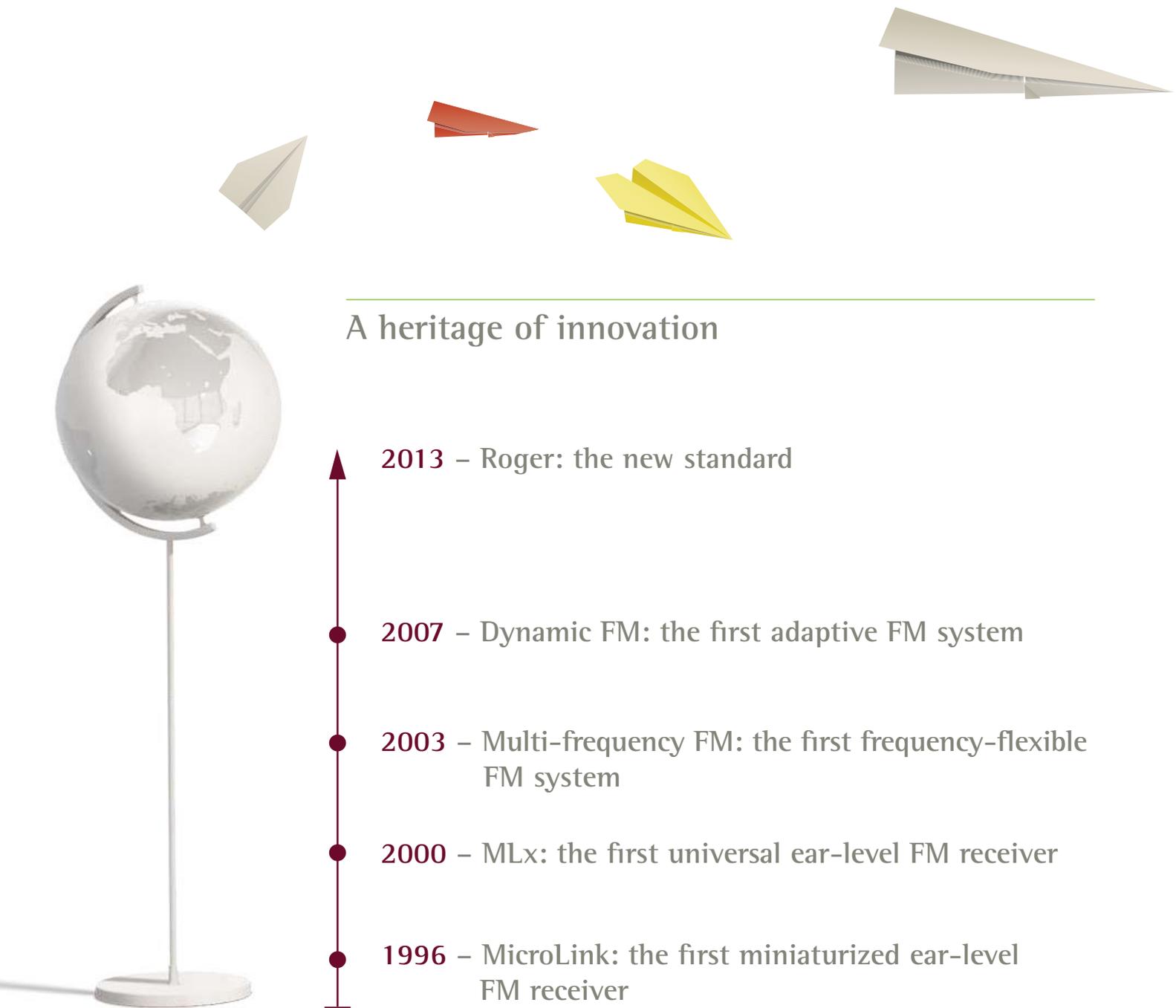
In the past, FM systems have been used to bring the teacher's voice directly into the child's hearing instruments or cochlear implants; boosting their speech understanding and improving their learning as a result. At Phonak we have led the FM field, working closely with hearing care professionals and teachers to continually improve the performance and usability of these systems.

The success of students who used our FM solutions has been very real. But we dreamed there could be more. We dreamed of achieving new levels of speech understanding. A kind of performance that has never been seen before. At the same time we were keenly aware of your wish for simplicity that will eliminate any learning curves or daily hassles.

Today we have realized these dreams. Today we bring you the next big thing in speech understanding performance. The new benchmark against which all other systems will be measured.

**Today, we bring you Roger.**







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## Introducing Roger

Roger marks the dawn of a performance revolution. This new digital standard surpasses all of today's existing FM and digital systems, offering a staggering breakthrough in signal-to-noise ratio and eliminating technical complexity once and for all.

### **Maximum performance**

Roger offers the industry's best ever speech-in-noise performance, with proven improvements of up to 35%<sup>1</sup> over Dynamic FM technology and 54%<sup>1</sup> over other FM and digital systems.

### **Zero hassle**

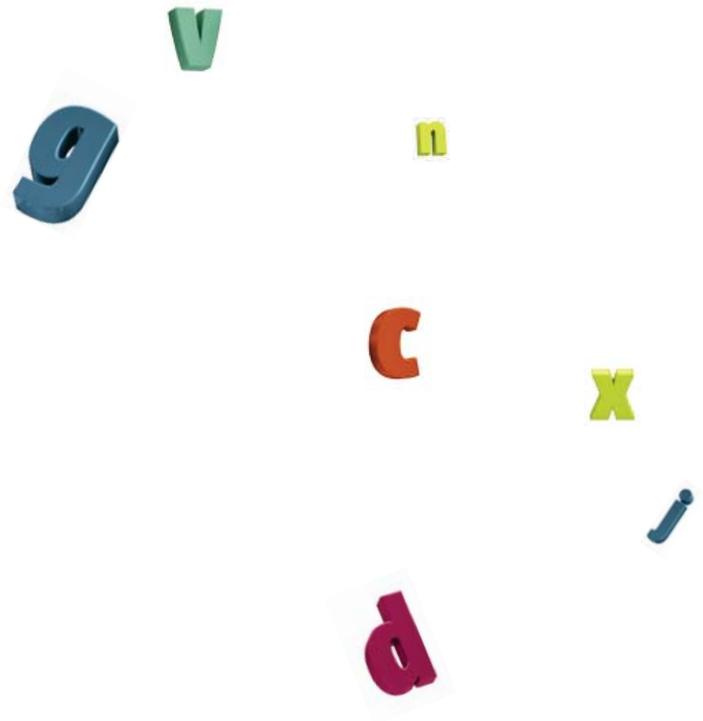
Nothing is easier to use than Roger. There are no frequencies to program and manage, and devices are connected with a single click.

### **Full compatibility**

Roger is the most compatible system of its kind. It works with virtually every behind-the-ear hearing instrument, cochlear implant and soundfield amplification system. Roger inspiro is the only system capable of transmitting speech simultaneously to Roger, FM and soundfield systems.

## **Free inspiro upgrade**

**Schools that own inspiro Premium teacher microphones can immediately upgrade these to Roger functionality for free. Simply use inspiro's firmware upgrade feature, then add Roger receivers.**



A 54%<sup>1</sup> improvement in speech understanding?  
Roger is an A+ in every student's book



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## Roger means maximum performance

The theory is simple: the more of a teacher's words a student can understand, the more successfully they can learn. Roger enables students with hearing difficulties to hear and understand many more words than ever before.

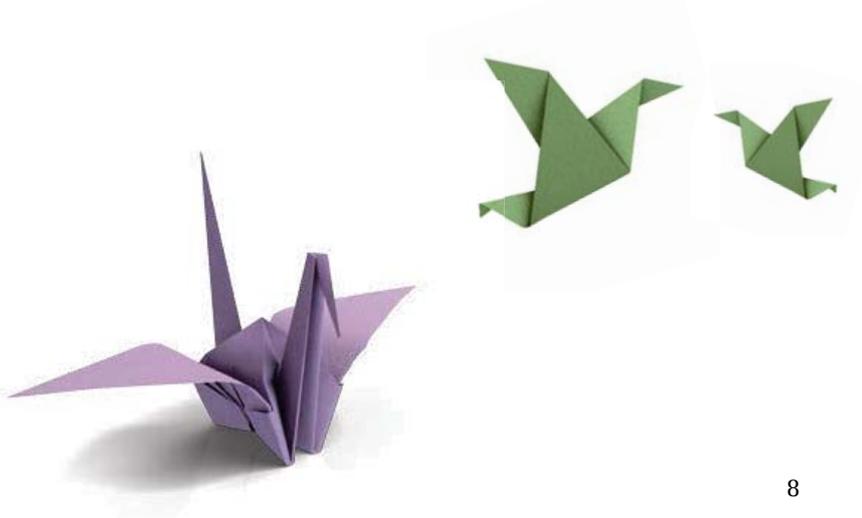
The new Phonak microchip inside Roger systems powers a unique speech-in-noise algorithm. This generates signal-to-noise ratios that vastly outperform those produced by today's FM and digital systems, including Phonak's own Dynamic FM.

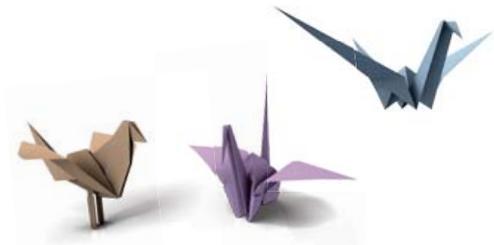
As you know, a minor improvement in word recognition scores can have a positive effect on a child's understanding, imagine how life-changing the benefits of Roger's levels of word recognition can be.

With Roger, students who once struggled to hear in class needn't struggle any more, even in the very noisiest of rooms. They can simply listen and learn.

**“I was amazed by the performance of students who used Roger. They were able to hear and understand the speaker in noise levels that would not have been possible using previous FM system technology.”**

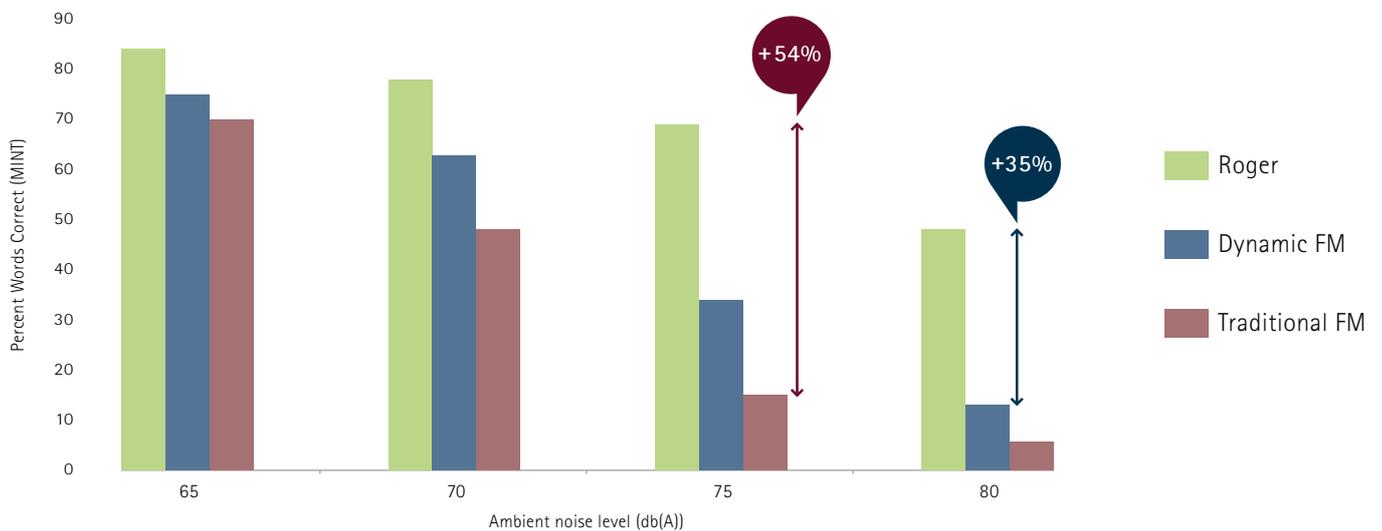
Professor Linda Thibodeau, PhD.





## Independently proven results

Roger performs. But don't just take our word for it. Independent scientific studies have already proven its capabilities, finding that Roger systems help people with hearing difficulties to understand speech in noise better than any of today's FM solutions, especially in noisy rooms.



Comparison of speech recognition with adaptive digital and FM wireless technology by listeners who use hearing aids, professor Linda Thibodeau PhD<sup>1</sup>

- Up to 54% increase in speech recognition over traditional FM<sup>1</sup>
- Up to 35% increase in speech recognition over Dynamic FM<sup>1</sup>
- "Significant" speech recognition improvements over traditional FM & Dynamic FM at high noise levels<sup>2</sup>
- Roger preferred by the majority of listeners over traditional FM & Dynamic FM<sup>1</sup>

Learn more about these findings at [phonakpro.com/evidence](https://phonakpro.com/evidence)



If you can press a button you can use Roger





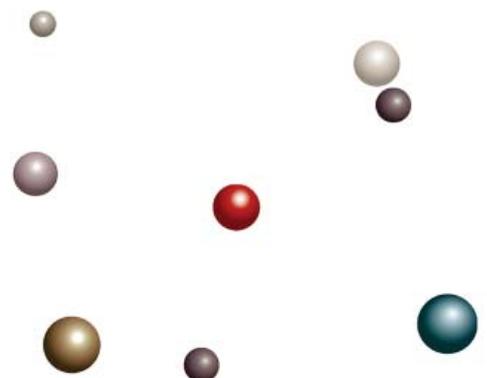
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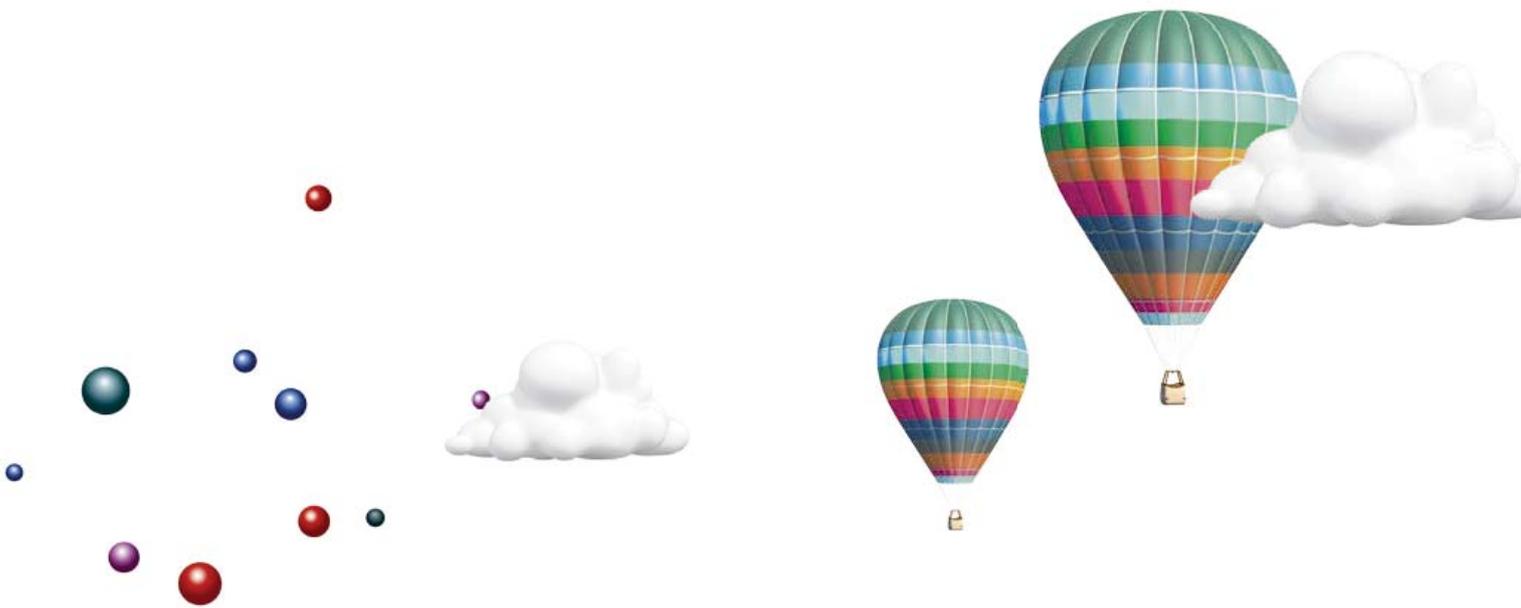
## Roger means zero hassle

Roger eliminates the hassle and complexity of yesterday. Thanks to the unique new digital communication protocol inside Roger systems, channel management headaches and connection complexity are now a thing of the past. So rather than managing channels and pairing devices, hearing care professionals and teachers can focus on what's really important – helping children to learn.

**“Roger systems not only provide children with the best opportunity to understand speech, but they eliminate the need to manage FM channels, which is a huge benefit in educational settings.”**

Dr. Jace Wolfe, PhD.





### **Goodbye frequency planning**

With Roger there's no need to plan and record which channels will be used in different classes. Its unique intelligent frequency hopping technology only selects free frequencies, ensuring interference-free performance in every class. A virtually unlimited number of Roger networks can be used in a school building and they can all be used license-free.

### **One-click connection**

Connecting microphones and receivers has never been easier. Simply position the Roger inspiro microphone close to a receiver or secondary teacher microphone and push the Connect button. No interference is audible and privacy is guaranteed.

### **Software-free**

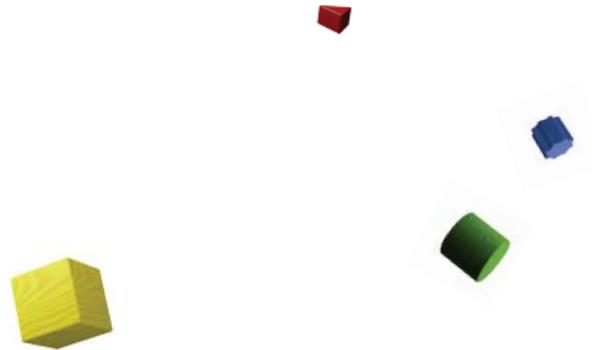
With Roger there is no need for fitting software. Its settings are automated and it runs on the 2.4 GHz band, meaning different frequencies are no longer required when students travel abroad.





Whatever you use – Roger will work with it



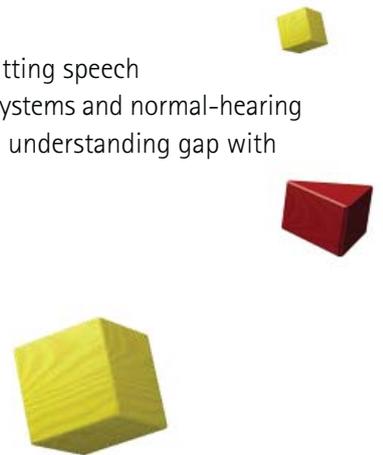


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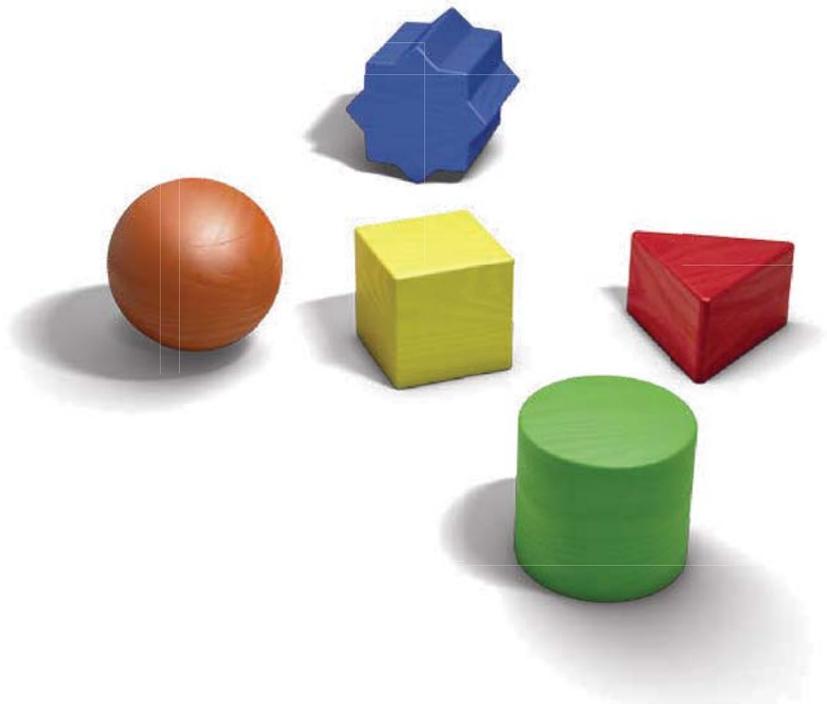
## Roger means compatibility

No matter what hearing instruments or cochlear implants students wear, Roger can almost certainly help them hear, understand and perform better in class\*.

What's more, Roger inspiro is the only wireless microphone on the market capable of transmitting speech simultaneously to three listener groups: Roger receiver wearers, children wearing personal FM systems and normal-hearing soundfield listeners. Whatever a student's hearing ability and technology, they can bridge the understanding gap with Roger - without the teacher having to wear a second microphone.



\* Roger is compatible with any hearing instrument that features a DAI, T-Coil or wireless connection to a Europlug hub.



**Suits almost every hearing instrument**

There is a Roger receiver to suit almost every hearing instrument, including sleek design-integrated receivers for most Phonak models.

**Suits every CI**

Every cochlear implant recipient can enjoy Roger speech-in-noise performance thanks to our comprehensive range of receivers.

**Suits every soundfield system**

Roger can transmit its crystal-clear speech sounds to any soundfield amplification system (at the same time as transmitting to Roger and FM receivers).





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## A solution for every student

Whatever hearing technology a child uses, there is a Roger system to match. From the inspiro teacher microphone at the center of the network to a handy passaround microphone for group discussions, a multimedia connector and discrete Roger receivers to suit every BTE – with Roger there is no reason why every learner cannot join the revolution.

Teachers don't have to be technology experts as every Roger product combines simplicity and durability with outstanding signal-to-noise ratios. The result is a portfolio of systems that teachers, students and hearing care professionals alike can trust.

### Two wireless Roger microphones and a hub:

#### Roger inspiro

This wireless teacher microphone is the core component of any Roger system. Suitable for use in all educational environments, it features two wearable microphone options, simplified menus and customizable soft keys.



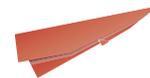
#### Roger AudioHub

This flexible interface connects to any multimedia device that has an audio out jack, ensuring Roger-wearing students enjoy the same audio experience as their normal-hearing classmates.



#### Roger DynaMic

This sturdy passaround microphone works alongside Roger inspiro in a classroom's MultiTalker Network, allowing the comments of students and secondary teachers to be heard by everyone.



With three categories of Roger receiver available there is a solution for every student, whatever hearing technology they currently use.

### Design-integrated receivers

These discrete click-on receivers for Phonak hearing aids (and select CI's) feature the same appealing aesthetics and smooth lines. They are also water-resistant when paired with select hearing instruments and tamperproof options are available.



### Miniature universal receiver

Roger X is a miniscule receiver that fits every BTE hearing instrument and cochlear implant.



### Universal inductive neckloop

Roger MyLink is a simple-to-use Roger receiver that hangs around the neck. It is compatible with any hearing instrument or cochlear implant with a T-Coil, including custom products.



### Roger WallPilot

This wall-mounted device, positioned next to the door, automatically connects students' Roger receivers to the room's existing Roger network the moment they step into the room. Teachers can connect their microphones too, simply by switching these on close to the Roger WallPilot.





## Roger Dynamic SoundField

Classroom noise is not only a problem for students with hearing difficulties. It can also make understanding the teacher difficult for children with normal hearing, especially those with APD, ADHD, and second language learners.

Soundfield classroom amplification, whereby the teacher's voice is amplified to the entire class via loudspeaker, has long been proven to improve students' listening and learning skills<sup>3</sup>. This approach also means teachers don't need to raise their voices to be heard, leading to less vocal hoarseness, pain, and time off work.

Roger Dynamic SoundField combines Roger inspiro sound performance with fully-automated volume and frequency settings. It does not suffer from feedback or echo, and it is the only system capable of simultaneously transmitting speech to Roger receivers, FM receivers, and its own loudspeakers.

For classrooms with other soundfield installations, DigiMaster X is also available to ensure every listener can enjoy Roger-quality speech understanding and classes can be recorded.

Just plug in, turn on and teach.



**“When I forget to turn it on the students are quick to remind me. I think Roger Dynamic SoundField is the best system I have had the opportunity to use in my 20 years of teaching.”**

Sarah Daoust, elementary school teacher, Michigan, USA.



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## Evidence

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1. Comparison of speech recognition with adaptive digital and FM wireless technology by listeners who use hearing aids.

Professor Linda Thibodeau PhD.

2. Evaluation of speech recognition of cochlear implant recipients using a personal digital adaptive radio frequency system.

Dr. Jace Wolfe PhD.

3. The MARRS Project: Mainstream Amplification Resource Room Study.

[www.phonakpro.com/evidence](http://www.phonakpro.com/evidence)

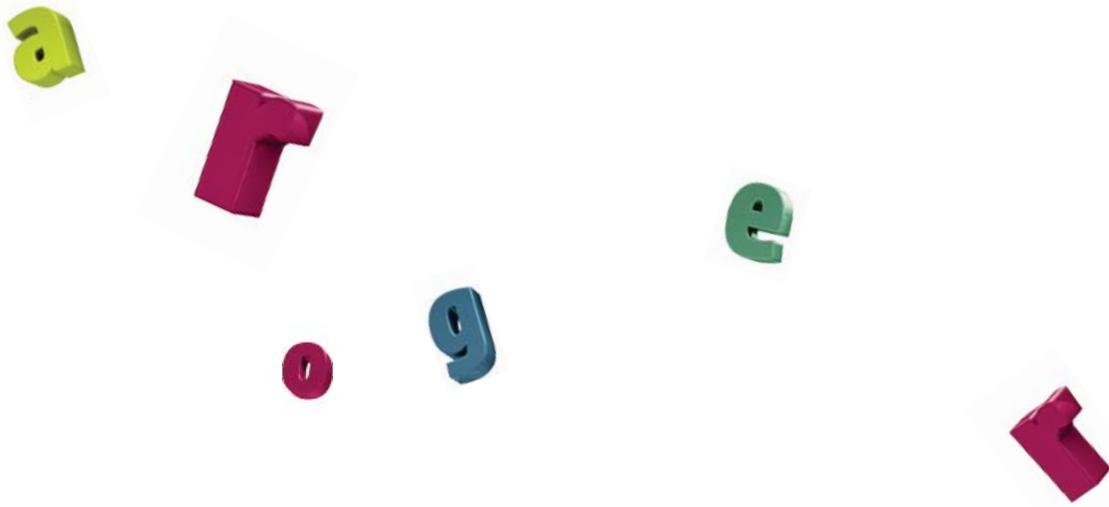
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## Roger – Bridging the understanding gap

Roger is the revolutionary new digital standard you and your students have been waiting for. It guarantees children access to new incredible levels of speech understanding in class, and it makes reaching these as simple as pushing a button. With Roger, our dream is your reality.

### **Maximum performance**

The industry's best ever signal-to-noise ratios.

### **Zero hassle**

One-push connection of receivers and secondary microphones.

### **Full compatibility**

Works with virtually every hearing instrument, cochlear implant and soundfield system – simultaneously.

[www.phonakpro.com/roger](http://www.phonakpro.com/roger)

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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.

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

