Roger Solutions for children and teens

Bridging the understanding gap
For young listeners to engage in meaningful verbal communication, they must be able to clearly hear and understand the voice of the speaker. For children with hearing difficulties this can be a real challenge – especially in difficult listening situations like noisy rooms and over distance. Even when they are wearing the very latest hearing technology.

It’s a challenge that calls for some intelligent help.
Introducing Roger...

Roger marks the dawn of a performance revolution. This new digital standard surpasses all of today’s wireless microphone systems, both analog and digital, offering a stunning improvement in signal-to-noise ratio and making this technology easier to use than ever before.

Roger by Phonak is the new digital standard that bridges the understanding gap. It uses a cutting-edge wireless microphone to pick up the voice of the speaker, before transmitting it wirelessly – via miniature receivers – into a child’s hearing aids or cochlear implants (CIs). This 2.4 GHz wireless signal is then mixed adaptively with the signal picked up by the ear-level microphones in the child’s hearing aids or CIs. The result is an entirely new and scientifically proven level of speech clarity for the child. The kind of performance that, in the past, children with hearing loss and their parents could only dream of.
Roger wireless microphones use 2.4GHz digital signals to send a speaker’s words to miniature Roger receivers, which attach to a child’s existing hearing aids or CI processors. This way the child hears the speaker’s words directly in their ears, without distracting background noise – allowing them to hear, understand and fully participate in the conversation.

Roger microphones can be used in different ways. With younger children, the microphone is typically worn by the primary speaker (i.e. a parent or teacher). However older children have several options: if chatting with friends they can place their microphone in the middle of the table, in quiet they can listen to someone further away simply by pointing at them with the Roger Pen, or in loud noise they can hold their microphone reporter-style or have the speaker wear it around the neck.

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**How Roger works**

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**Maximum performance**

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

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**Zero hassle**

Roger microphones and receivers are connected with a single click.

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**Full compatibility**

Roger works with virtually every behind-the-ear hearing aid and cochlear implant, making it the most compatible system of its kind. Some Roger microphones can even transmit simultaneously to Roger, FM and soundfield listeners.

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1 Thibodeau, L. Roger and hearing instruments, Phonak Field Study News, April 2013
How about a 54% improvement in speech understanding?

“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.
Roger means maximum performance

The theory is simple: the more of a speaker’s words a child can understand, the more successfully they can learn and interact. Roger enables children with hearing difficulties to hear and understand 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.

Since even a minor improvement in word recognition scores can have a positive effect on a child’s understanding, imagine how life-changing Roger technology’s benefits can be.

With Roger, children who once struggled to hear in difficult listening situations – in class, at parties, in the car and outdoors – don’t need to struggle any more. They can simply listen and engage.
Trust the power of proven performance

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

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

1 Thibodeau, L. Roger and hearing instruments, Phonak Field Study News, April 2013
It’s as easy as pushing a button
Roger means zero hassle

Thanks to the unique new digital communication protocol inside Roger systems, connection complexity is now a thing of the past. So rather than synchronizing FM devices, Roger users can focus on what’s really important – enjoying clear, hassle-free communication.

One-click connection

Connecting microphones and receivers has never been easier. Simply position a Roger microphone close to a Roger receiver, or secondary microphone, and click Connect. No interference is possible and privacy is guaranteed.
Whatever device a child wears – Roger works with it
Roger means compatibility

No matter which hearing aids or cochlear implants a child wears, Roger can help them to hear and understand.

Suits virtually every hearing aid

There is a Roger receiver to suit almost every hearing aid, no matter what the make or model. These include sleek design-integrated receivers for Phonak hearing aids, such as Phonak Sky Q and Phonak Naída Q, plus universal receivers for other brands.

Suits every CI

Every cochlear implant recipient can enjoy Roger speech-in-noise performance thanks to our comprehensive range of universal and design-integrated CI receivers. These include the Roger 17 for the Naida CI from Advanced Bionics.
A Roger system to suit every child...

With Roger there is a wireless microphone and accompanying receiver to suit every listener. From the discreet premium-performance Roger Pen for image-conscious teens, to the advanced Roger Clip-On Mic for busy parents, and the Roger inspiro teacher microphone for challenging school environments – with Roger there’s no reason why every child cannot join the revolution.

Roger Pen

The inconspicuous Roger Pen with fully automated multiple microphone settings and Bluetooth connectivity enables young listeners to hear and understand in loud noise and over distance. It can be used as a standalone microphone or alongside other Roger Clip-On Mics or additional Roger Pens. Plus it features wideband audio Bluetooth for cell phone calling, an audio input for listening to multimedia and TV connectivity.

Used by: children, teenagers, and young adults who use Bluetooth devices

Roger Clip-On Mic

The Roger Clip-on Mic is an easy-to-use wireless microphone for one-to-one communication in loud noise and over distance. This compact microphone packs industry-leading Roger speech-in-noise performance into a discreet shirt-worn device. It can be used as a standalone microphone or alongside other Roger Clip-On Mics or the Roger Pen to allow communication between multiple speakers. It offers one-click connection to Roger receivers and is perfect for parents of young children to use at home, at the park, in the car and out shopping. It also includes an audio input for listening to multimedia and TV connectivity.

Used by: parents, family, friends (not recommended for classroom use)

Roger inspiro

Roger inspiro is a durable teacher microphone that is trusted in thousands of classrooms around the world. It offers one-click connection of receivers, simplified menus, and you can program the functions on the keys to be different short cuts.

Used by: teachers, parents of young children
With three Roger receiver types available there is a solution for every child, whatever hearing aids or cochlear implants they currently use.

Roger design-integrated receivers

These discreet Roger receivers are designed with the same appealing aesthetics and smooth lines as Phonak hearing aids. They are WaterResistant when combined with Phonak Sky Q, plus tamperproof options are available. In addition they are available for the Naida CI by Advanced Bionics.

Roger X

This miniature universal Roger receiver is compatible with virtually every BTE hearing aid, cochlear implant speech processor, and streaming device (through the three-pin Europlug connector).

Roger MyLink

Roger MyLink is an easy-to-use and affordable body-worn universal Roger receiver that works with any hearing aid or cochlear implant that features a telecoil – from Phonak or any other manufacturer.
And now meet the perfect Phonak Sky Q...

Phonak Sky Q is our new dedicated portfolio of pediatric hearing aids. With four models, three performance levels, and an eye-catching range of Mix & Match color options, there is a Phonak Sky Q for virtually every child, no matter what their age or degree of hearing loss.

All four Phonak Sky Q models are WaterResistant (IP67), even with a Roger design-integrated receiver attached. Inside, proprietary SoundRecover technology optimizes a little listener’s access to speech sounds, while Binaural VoiceStream Technology™ helps them focus on the words of speakers nearby.

Plus, our Phonak Target™ fitting software’s enhanced Junior mode now makes it even easier to accurately program and verify the Phonak Sky Q you choose.
You won’t believe how much a child can hear...

In a stroller

Children with hearing loss often find it difficult to understand speech when it comes from a direction other than that they’re facing. For a child sitting in a stroller, this is definitely the case. Plus, they often also have wind and road noise to contend with. A Roger system overcomes all of these issues, bringing the parent or caregiver’s voice directly into the child’s ears.

At the park

Outdoor spaces such as parks and playgrounds often present all of the listening challenges that children with a hearing loss face – there is surrounding noise, there is distance, and speech-reading is virtually impossible due to little explorers constantly moving around. Roger systems are uniquely qualified to overcome these challenges by helping a child understand the speaker, no matter where they are.

Playing sports

Kids with hearing loss find it easier to respond to a coach’s instructions when they can hear these commands directly – wherever they are on the field of play and whatever the level of surrounding noise. This way, instead of missing out on useful advice, they can listen, improve and get in the game.
When there are multiple speakers

Following the words of one person is difficult enough, but if another starts talking too, speech understanding becomes even trickier. Roger microphones, however, can be easily joined together in a small network. This allows a young listener to accurately hear what everyone has to say, without the speakers having to share a single microphone.

During group activities

Group activities and meal times pose a real challenge for kids who have hearing difficulties, due to the complex mix of chatter, background noise and clinking cutlery. A Roger wireless microphone system effectively cuts out this distracting noise, helping a child hear and respond to what’s being said more easily.
In the car

Car journeys are one of the most difficult listening situations for hearing-impaired children due to the constant loud hum of engine and road noise. Roger technology’s direct-to-the-ear approach enables a child to better hear and respond to his or her parents’ voices, turning a previously distracted youngster into a more responsive traveler.

In class

When noise levels in class increase, hearing-impaired kids can easily struggle to differentiate between important speech sounds – such as the teacher’s voice – and the surrounding noise. In these situations Roger makes all the difference. It has been independently proven to help students better hear and respond to a teacher’s directions than competing FM and digital systems. And underlying all of this, wireless microphone technology in general has been repeatedly shown to improve students’ educational performance over time.3

3 To explore a range of peer-reviewed studies that prove this, visit www.fmelibrary.com
On the phone

Phone calls can be a struggle for kids with a hearing loss, which is both frustrating and can separate them from their peers. The Roger Pen features built-in wideband audio Bluetooth (also known as HD voice) for effective one-touch cell phone calling – ensuring every young adult can keep their social life right on track.

Enjoying multimedia

Wireless Roger microphones connect to any multimedia device’s audio-out jack – enabling a youngster to hear their favorite tunes, movies, video games and educational software clearly in their ears. And all without needing to crank up the volume!
Useful Phonak resources

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

**Phonak pediatrics on the web**
www.phonakpro.com/pediatric

**eSchoolDesk**
www.eschooldesk.com

**Roger Configurator**
www.phonakpro.com/roger-support-center

**HearingLikeMe**
www.hearinglikeme.com

**YouTube**
www.youtube.com/phonakofficial

**Facebook**
www.facebook.com/phonakpediatric

**Twitter**
https://twitter.com/phonak

**More information about Roger**
www.phonakpro.com/roger
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