

## Benefits of Better Hearing

- Teachers notice improved attentiveness, responsiveness, and comprehension in the classroom.
- Testing has found that children who wore Roger Focus improved their speech understanding by an average of 53% compared to children who didn't wear the technology.<sup>1</sup>
- Since Roger Focus improves neural processing of sound in the brain, it facilitates reading instruction, leading to significant improvement in phonological awareness and reading.<sup>2</sup>
- Parents report that children are less fatigued at the end of the school day.
- Studies show improvements in psychosocial adjustment and self-esteem.<sup>3</sup>



<sup>1</sup> Parc-SEDOL Experimental Roger Laboratory. (2014) Roger Focus Validation, Phonak Field Study News.

<sup>2</sup> Hornickel J, Zecker SG, Bradlow AR, Kraus N (2012) Assistive listening devices drive neuroplasticity in children with dyslexia. Proc Natl Acad Sci USA 109: 16731-16736.

<sup>3</sup> Johnston, K.N., John, A. B., Kreisman, N.V., Hall III, J. W. and Crandell, C.C. (2009) Multiple benefits of personal FM system use by children with auditory processing disorder (APD), International Journal of Audiology, vol 48. pp. 371-383.

<sup>4</sup> Keith WJ, Purdy SC. (2014) Assistive and Therapeutic Effects of Amplification for Auditory processing Disorder. Seminars In Hearing 35(1):27-37.

## Improved Auditory Processing

Research indicates that personal remote microphone systems like Roger Focus II not only provide immediate hearing and learning assistance but over time can lead to permanent improvement in hearing abilities. The direct input and amplification improves the clarity soft sounds (such as f, t, p, k, th, s, sh, h and consonant blends) enhancing neural connections and auditory skills. Studies have shown that this helps improve the consistency of neural responses to sound (i.e. a "b" sounds consistently like a "b" instead of sometimes sounding more like a "d"). Over time, this improves the brain's listening skills, and the effects remain even when the system is not worn anymore.<sup>2,4</sup>



**AUDITORY  
PROCESSING  
CENTER**

For more information or a free demonstration of how Roger Focus II can help your child contact:

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## Roger Focus II for Auditory Processing Disorder

Because every child deserves the chance to focus



roger



**PHONAK**  
life is on

## The Focusing Challenge

Children with auditory processing disorder (APD) find it tough to focus on what's being said. Since their brains struggle to perceive speech sounds, hearing and responding to the speaker's words can be a challenge. As a result, they easily become distracted.

This focusing challenge is toughest when there is lots of background noise, like in busy classrooms. Even soft environmental sounds that typical listeners don't seem to notice can override the teacher's voice. This can be very frustrating because the ability to focus in class is crucial to a child's learning and development.

## The Focusing Solution

Roger Focus II is a listening system that is proven to help children with APD concentrate better on sounds they need to hear. It sends the teachers voice directly to your child's ears so the teacher's voice can be heard clearly wherever your child sits in the classroom. This cuts out distracting noises like nearby conversations or their classmates' movements of books and chairs, helping your child understand the teacher and hear and act upon the teacher's instructions.



### What is Roger?

Roger is the newest digital adaptive microphone technology. Roger uses a 2.4GHz digital signal and unique speech-in-noise algorithm that continuously analyzes noise levels to keep the Roger signal clearly audible above the background noise. This offer's a stunning improvement in signal-to-noise ratio up to +20dB.

## Roger Focus II Receiver

How it works: The teacher wears a small microphone, while your child wears tiny Roger Focus II behind-the-ear receivers. The microphone "hears" and clarifies the teacher's words before sending the instructions directly to the receivers and into your child's ears. As easy as that.



Precious Pink



Caribbean Pirate



Lava Red



Majesty Purple



Electric Green



Silver Gray



Blue Ocean



Beige



Velvet Black



Alpine White



## Roger Microphones

Whatever your child's learning environment, there is a Roger microphone to complete their system. All models can be worn on a lanyard around the neck or placed on a table. The automatic microphone function conveniently switches from an individual talker to a small group interaction mode, based on the orientation of the device, automatically reducing background noise.



### Roger Pen

Discreet design, can also be used interview style, and wideband audio Bluetooth for cell phone calling



### Roger Select

MultiBeam Technology to automatically select who is talking or tap to select who to listen to when multiple conversations are happening at the same time, Bluetooth for cell phone calling



### Roger On

MultiBeam 2.0 Technology and Pointing mode 2.0 to allow the user to zoom in on the person talking when at a distance



### Roger Touchscreen

Easily connected to any multimedia device used in the classroom when used with a Roger Multimedia Hub