

## The Focusing Solution

Roger Focus II is an easy-to-use product that sends the teacher's voice directly into your child's ears.

This approach cuts out distracting noise, like nearby conversations or their classmate's movements of books and chairs, allowing your child to hear and act upon more of the teacher's instructions.

Testing has found that children who wore Roger Focus II improved their speech understanding by an average of 53% compared to children who didn't wear the technology.<sup>2</sup>



### 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.

<sup>1</sup> Gary Rance (PhD), Associate Professor, Department of Audiology & Speech Pathology, The University of Melbourne

<sup>2</sup> Parc-SEDOL Experimental Roger Laboratory. (2014) Roger Focus Validation, Phonak Field Study News.

<sup>3</sup> The use of listening devices to ameliorate auditory deficit in children with autism. Rance G, Saunders K, Carew P, Johansson M, Tan J., J Pediatr. 2014 Feb;164(2):352-7.

<sup>4</sup> Personal FM systems for children with autism spectrum disorders (ASD) and/or attention-deficit hyperactivity disorder (ADHD): an initial investigation. Schafer EC, Mathews L, Mehta S, Hill M, Munoz A, Bishop R, Moloney M. J Commun Disord. 2013 Jan-Feb; 46(1):30-52.

<sup>5</sup> Assistive technology evaluations: Remote-microphone technology for children with Autism Spectrum Disorder. Schafer EC, Wright S, Anderson C, Jones J, Pitts K, Bryant D, Watson M, Box J, Neve M, Mathews L, Reed MP. J Commun Disord. 2016 Nov - Dec; 64:1-17.

## Improved Listening, On-Task Behavior, and Tolerance of Noise

Use of remote microphone listening devices can enhance speech understanding in noise, aid social interaction, and improve educational outcomes in children with ASD.<sup>3</sup>

Studies have found that children with autism spectrum disorder who used remote microphone technology showed substantially less listening difficulty, better acceptance of noisier listening conditions, and a significant increase in on-task behaviors.<sup>4</sup> Research has also shown that remote microphone technology use resulted in higher auditory working memory and comprehension scores and improved auditory function in children with ASD in the classroom, at home, and in social situations.<sup>5</sup>



**AUDITORY  
PROCESSING  
CENTER**

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

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## Roger Focus II for Autism Spectrum Disorder

Because every child deserves the chance to focus



roger



**PHONAK**  
life is on

## The Focusing Challenge

Autism spectrum disorder (ASD) can have a major impact on children's lives, affecting their development especially interfering with their ability to communicate and interact with others. This not only impacts their home life, but can be particularly challenging when it comes to their success in school.

Studies have found that children with ASD particularly struggle in noisy environments like classrooms. They are often unresponsive, and they struggle to pay attention to auditory stimuli such as the teacher's voice (the most significant predictor of educational performance).

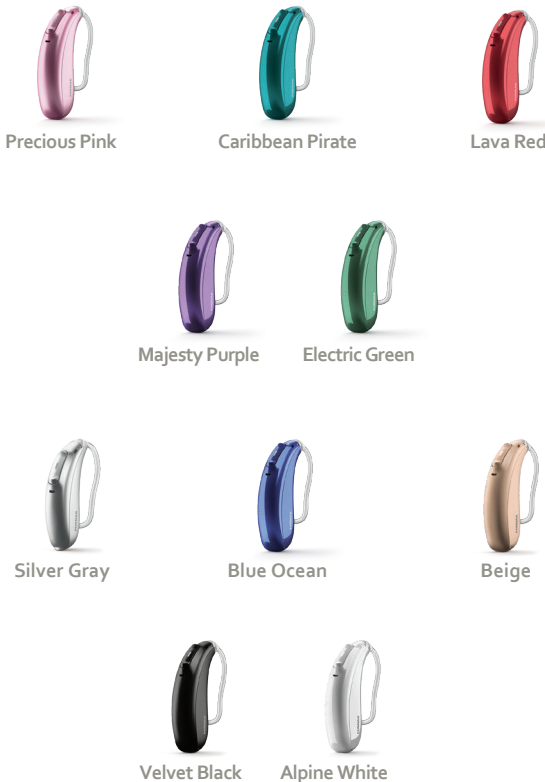
Luckily, there is a solution to help bridge this concentration gap. A technological approach that scientific studies have proven can help children with ASD to concentrate better on the speaker's words. There are no drugs involved. It's not a form of therapy; rather it's simply technology that makes it easier for your child to focus on what's being said.



"In our study of school-aged children with ASD, children could hear the teacher's words better, communicate with their fellow students better and were generally more engaged in classroom activities than without the wireless microphone technology. Most children also wanted to keep using their devices after the trial."<sup>1</sup>

## Roger Focus II Receiver

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



## 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

