

Welcome back to school!
2014-2015



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Agenda

- Sky Q pediatric portfolio
- Roger technology review
- Roger microphone and receiver options
- Tools and resources



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Phonak Sky Q



IP rating-temporary exposure

	First digit: Solid objects	Second digit: Liquids
4	> 1mm	Splashing water •Water splashing from any direction has no harmful effects
5	Dust protected •Any ingress of dust does not interfere with satisfactory operation of the equipment	Water jets •Water projected by a nozzle (6.3mm) has no harmful effects
6	Dust tight •No ingress of dust	Powerful water jets •Water projected in powerful jets (12.5mm) has no harmful effects
7		Temporary immersion •Immersion at 1m for 30 minutes doesn't damage the equipment beyond repair
8		Continuous immersion •Enclosure can withstand continuous immersion in water; usually airtight

IP67 indicates that the hearing aid was not damaged after 8 hours in a dust chamber, nor after being immersed in 1 meter (3 feet) of water for 30 minutes.

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Sky Q M13 water resistant

- To maintain water resistance, use integrated receiver option
 - Roger 15
 - ML15i

- Recommended to change microphone covers of M13
- Fun way to change color of hearing instrument



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Phonak Sky Q – Hearing in color

UNIQUE



Boyatzis C.J. Varghese R. Children's Emotional Association with Colors. J Genet Psychol. 1994 Mar;165(1):77-85

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www.skinit.com/phonak

- Patient can customize their hearing aids or FM or roger microphones
- Can put clinic logo on loaner hearing aids
- \$9.99



CREATE YOUR OWN PHONAK SKIN
Upload your favorite memories with our customizer.



ABOUT OUR SKINS

- Strong, durable vinyl
- Easy to apply & remove
- Thousands of designs available
- Custom fitted to your device

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Tamperproof solutions for Phonak Sky Q



M13 battery door



M13 ear hook



SP & UP battery door




SP & UP ear hook

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How to assemble and open tamperproof

Instruction Movies


- Sky Q-M13 - changing battery with secured battery compartment
- Sky Q-M13 - mounting secured battery compartment
- Sky Q-SPI/UP - changing battery with secured battery compartment
- Sky Q-SPI/UP - mounting secured battery compartment
- Sky Q-M13 change tamperproof hook
- Sky Q-SPI/UP change tamperproof hook




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Pediatric accessories


New stickers for hearing aids and hardcase



Updated care kits




New book & Mascot



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Have you met Roger?



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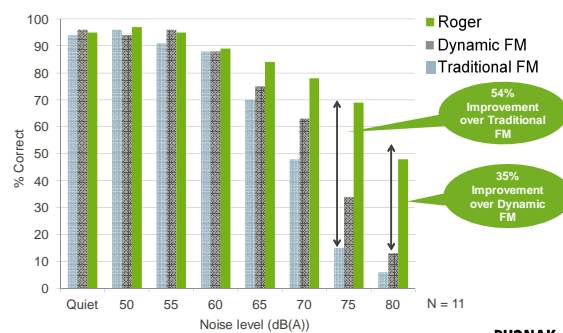
What is Roger?

- Roger is a new digital wireless technology standard
- Allows for low delay and reliable long-range broadcast towards miniature, low-power receivers
- Operates on 2.4 GHz band (ISM), with intelligent adaptive protocols
- Audio bandwidth up to 7300 Hz
- No interference

roger

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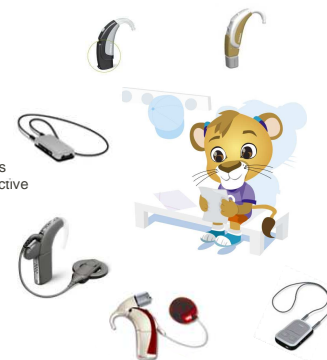
Speech understanding at 5.5 m in various noise levels

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Full compatibility

- Compatible with:
- Hearing Instruments
 - Cochlear Implants
 - BAHA

- Via:
- Design-Integrated Receivers
 - Universal Ear-Level or Inductive
 - Neck-Loop Receivers
 - Streamer

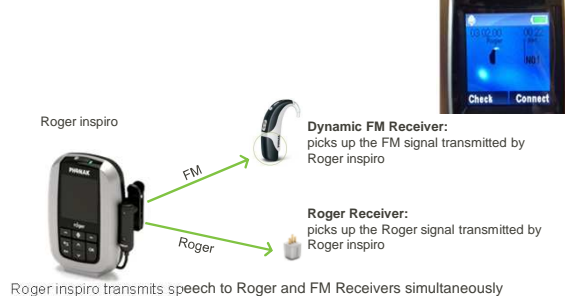
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Roger inspiro

- Roger inspiro - recommended classroom solution
 - FM
 - Roger
 - SoundField
 - Digimaster x
 - Audiohub
 - DynaMic

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Roger inspiro compatibility

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Upgrade your equipment to Roger for free!

- Roger upgrader- Simple to use firmware upgrade tool
- Used to upgrade:
 - inspiro Premium
 - DynaMic Premium
 - DigiMaster 5000/7000
 - Digimaster x
 - Audiohub
- Available within Phonak Target™ or Phonak website

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Are you Roger ready?

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Roger is simple- One-click connection of receivers

- Connecting microphones and receivers is easy
- Simply position the Roger inspiro close to a receiver and push the Connect button



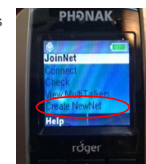
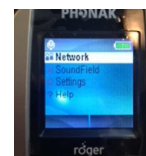
No need to repeat this after switch off and switch on – the connection remains

*Hold inspiro vertically to connect receiver

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Advanced uses for Roger- NewNet

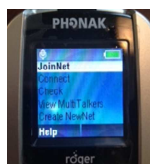
- Manage which kids are receiving Roger transmission
 - Turn off Roger for one or more kids
- Used to move forward with a different Network ID
 - Task in the classroom changes and teacher needs to transmit to different group of students



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Advanced uses for Roger- JoinNet

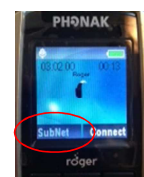
- Allows Microphones to join the current classroom Network by reading the Network ID from any receiver connected in the Network
- Can be used when teachers change classrooms



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Advanced uses for Roger- SubNet and EndSub

- Must have two inspiros
- Can only be used with in Multi-Talker Network
- Purpose:
 - To assist a child/children separately from whole class



EndSub is used to return to the main Network

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Roger accessories for the classroom

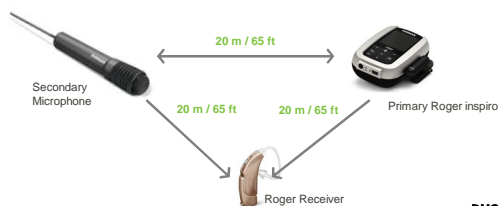
- DynaMic
- WallPilot
- Digimaster x
- Audiohub



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Roger MultiTalker Network - DynaMic

- Additional microphones can be added at any time
- Up to **35 microphones** in one network
- Roger inspiro is the primary device and manages the network
- Operating distances are equal between all devices
- Secondary microphones can always be switched off if not in use



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Roger WallPilot



- Connects Roger receivers fully automatically
- Connects Roger microphones to the MultiTalker network

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Roger Accessory- AudioHub

How do your HI students access audio from media such as smart board?

- Connects to any multimedia device with an audio output
- Works with MultiTalker Network
- Transmits speech simultaneously to Roger, FM and SoundField listeners



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Roger DigiMaster X

- Use existing speakers to bring Roger performance to classroom
 - Turn existing SoundField into a dynamic speaker system
 - Add Inspiro to existing speaker system to create classroom amplification system



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Roger Pen

- Easily access other talkers in the classroom
- Student can have control of microphone



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Roger Pen in detail

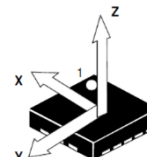
roger



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The Roger Pen features an accelerometer

- An accelerometer is a small mechanical and electronic component that measures accelerations in three dimensions (X, Y and Z)
- The accelerometer continuously informs the Roger Pen about its orientation with respect to the direction of gravity to choose a microphone mode automatically
- It also tells the Roger Pen when it is accidentally dropped
- Smart phones use accelerometers for instance to rotate pictures to avoid they are ever displayed upside down



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Automatically chooses microphone mode

- Lanyard - Useful for listening to one single talker (teacher)
- Conference - Place flat on the table to listen to several talkers (group work)
- Interview - Point in the direction of the talker (students asking questions)



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Listening to Multimedia via the Audio Cable or docking station

- Instant broadcasting of audio signal when audio is played
 - Microphones are muted
 - Use audio cable to plug into headphone jack of computer
 - Connect docking station to smart board, media, etc.



Audio input
(3.5 mm)

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Roger Clip-On Mic in detail

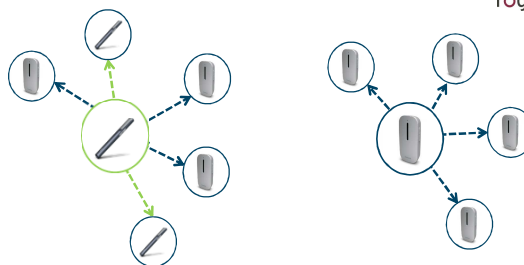
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MultiTalker network option - Connect up to 10 Microphones

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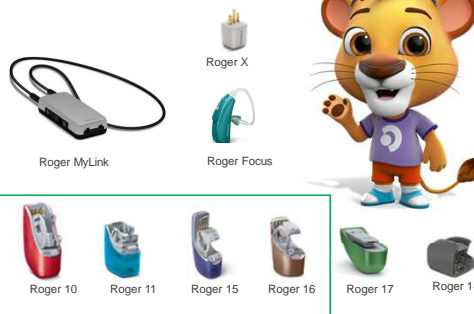
Compatibility between Microphones



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Roger Receiver Portfolio

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Roger Receivers and Hearing Aid Compatibility

Roger 16 (02)

Phonak Bolero Q-P

Phonak Bolero Q-SP

Roger 15 (02)

Phonak Sky Q-RIC
Phonak Sky Q-M13
Phonak Naida Q-RIC
Phonak Naida S CRT
Phonak Bolero Q-M13
Phonak Ambra M H20
Phonak Solana M H20
Phonak Cassia M H20
Phonak Nios S H20

Roger 13 (02)

Phonak Ambra microP
Phonak Ambra SP
Phonak Solana microP
Phonak Solana SP
Phonak Cassia microP
Phonak Cassia SP
Phonak Dalia microP
Phonak Dalia SP

Roger 11 (02)

Phonak Sky Q-SP
Phonak Naida Q-SP
Phonak Naida S SP
Phonak Naida SP

Roger 10 (02)

Phonak Sky Q-UP
Phonak Naida Q-UP
Phonak Naida S UP
Phonak Naida UP



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Receivers - Roger X features

- Roger X is the world's smallest universal receiver at 0.83 cm³
- Compatible with BTEs, CIs, BAHAs, Streamers
- Roger X works fully automatically, no buttons, no programmer
- Operating Range 20m / 66ft
- Power Consumption Active mode: 3 mA



- MLxi receiver has a clear button on the bottom



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Design Integrated Receivers

- For Phonak BTEs
- Offered in the same colors as the BTE including transparent colors
- Audio shoes are now offered in all colors to match the hearing instruments

[illegible]

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Design Integrated Roger Receivers for CI

Roger 17



- AB Naída CI Q70
- Must use 170 battery pack

Roger 14

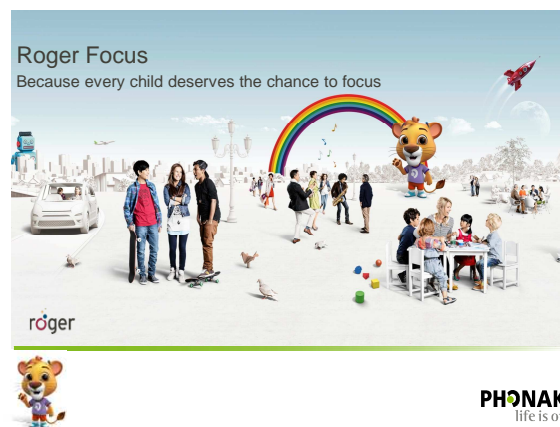


- Cochlear Nucleus 5 (CP810)
- Cochlear Nucleus 6 (CP910)

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Roger Focus

Because every child deserves the chance to focus



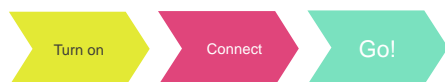
Roger Focus

- Non amplified Receiver - transmits information from microphone directly to the ear
- Roger can be used for:
 - Unilateral Hearing Loss (UHL)
 - Minimal Hearing Loss
 - Auditory Processing Disorder (APD)
 - ADHD
 - Autism
 - Dyslexia



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Zero hassle and full compatability



röger

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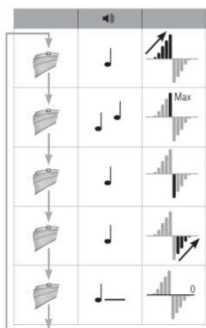
Measurement and fitting



Choose the SlimTube HE length using the measurement tool.
Can also be used with an ear hook option

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Adjusting volume

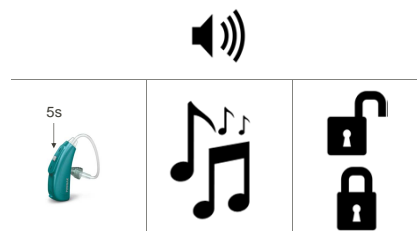


- Each press of the VC button increases the volume by 2 dB
- Maximum volume increase is 8 dB
- After maximum is reached, the next push is to minimum
- Further presses increase again
- VC changes are in a loop

* Volume can be changed using EasyGain on the Roger inspiro

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VC lock



röger

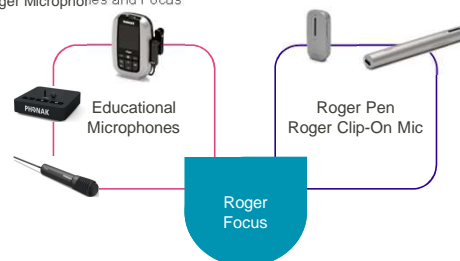
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Focus on fun

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Focus on flexibility

- Roger Microphones and Focus

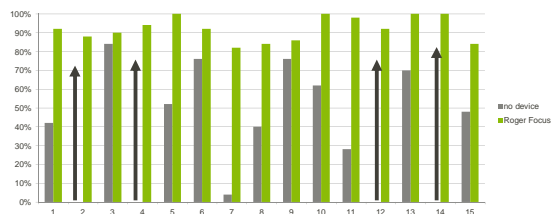


röger

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Maximum performance: Roger Focus Evidence

Speech-in-noise testing revealed an average improvement of 53% with Roger Focus compared to no device



N=15 BKB-SIN, 6dB SNR, noise at 65dB SPL

Note: with the exception of subjects 3 and 9 all individual scores showed significant improvement

Subjects 2, 4, 12, and 14 scored 0% without any device and almost 100% with Roger Focus.

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Roger Dynamic SoundField

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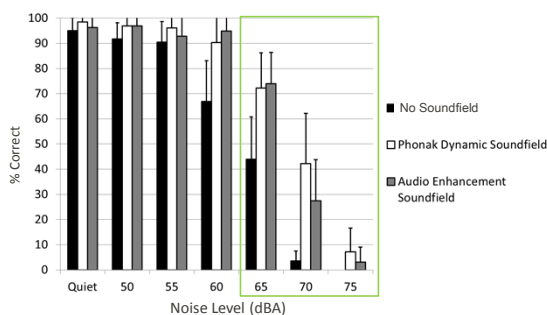
Roger DigiMaster 5000 and 7000 speakers

- Adaptive behavior
- 12-loudspeaker array
- DigiMaster 5000 used as a single speaker system per classroom
- DigiMaster 7000 can be used as a single or two speaker system for larger spaces
- Microphones:
 - Roger inspiro (Roger/FM/SoundField)
 - Roger inspiro SoundField only
- Floor stand or wall mounted
- Audio input- connect to smart board



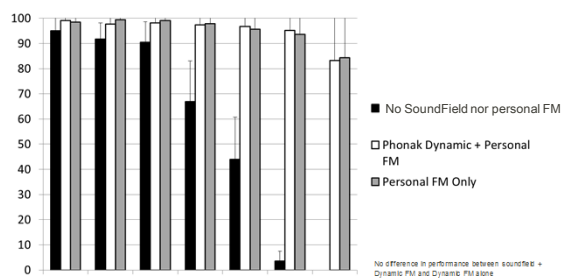
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Children with hearing loss- SoundField only not enough



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Dynamic SoundField + Dynamic FM \leftrightarrow Dynamic FM alone



No difference in performance between soundfield + Dynamic FM and Dynamic FM alone

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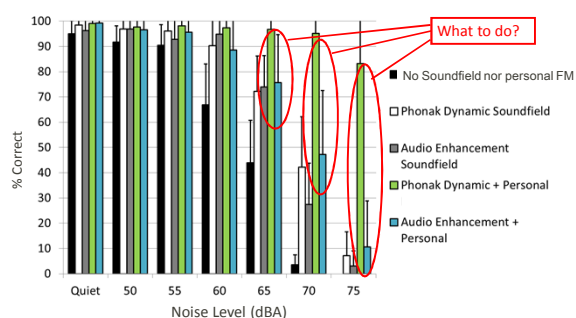
SoundField Benefits for teachers and non roger students

- Teacher better Roger/FM user (can hear if bad mic placement- clothes rubbing on mic)
- Transferring microphone from one teacher to another
- Teacher benefit- less vocal strain, increased student attention
- Student benefit- less listening concentration required



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Patching transmitter into SoundField



What to do?

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Possible causes of decreased speech understanding

- Loss of adaptive (Dynamic) signal
- Loss of noise pre-processing at inspiro
- Insufficient input from audio output of the other CAD to inspiro
- Antenna in FM inspiro
- AAA guideline states:
5.2.3. Coupled ADS and Personal FM Verification
"Because of potential undesirable variation when interfacing a classroom ADS and personal FM System, the connection of the personal FM Transmitter to the audio output of the ADS is not recommended. The teacher should wear two microphones, one for the personal FM Receiver(s) and one for the ADS (parallel signal processing). Alternatively, the teacher may wear a transmitter that directly serves, both the personal FM Receiver(s) worn by the student(s) and an FM Receiver that provides input to the ADS (sequential signal processing)."



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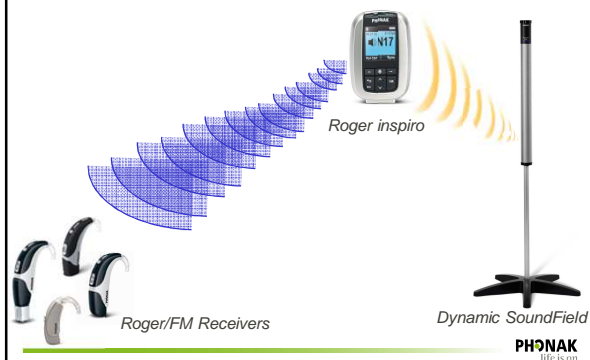
Solution – DigiMaster x

- Plugs into the audio input port of existing SoundField system
- Roger inspiro delivers signal to DigiMaster X and to personal Roger receivers
- Sound quality is dependent upon speakers being used



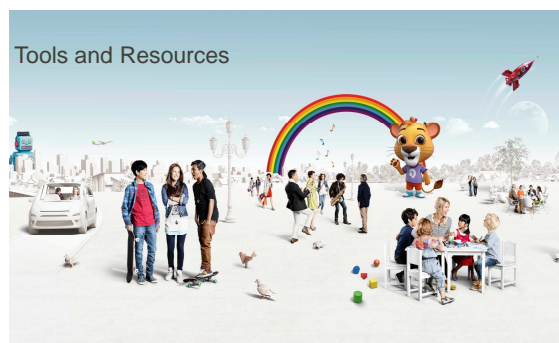
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Roger inspiro to Phonak Dynamic SoundField



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Tools and Resources



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Thinking about purchasing new Phonak equipment?

Obtain a formal Phonak Quote!



Note to self....

Email Cybill Johnson and copy my Phonak representative!
cybill.johnson@phonak.com

Allow 2 business days
(peak seasons may be up to 10 days)

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Comprehensive Service Plan (CSP)

- CSPs for school inventories provide savings for your program and convenience for rapid repair returns
- CSP Includes:
 - Repairs as needed during the school year
 - Summer Maintenance
 - Preventive maintenance check (includes repairs/replacements)
 - Listening check
 - Cleaning of cases and contacts
 - Replacement of defective components, i.e mics, cables, Phonak audio shoes

- Roger/FM Repair - \$139
- CSP Warranty - \$135
- And best of all...

Less down time for your students!

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Extend Protection Plan (EPP)

Why delay if you have the funding up front?

When you purchase your equipment buy the extended warranty!
The by far cheaper way to have a hassle free school year!

The EPP is available at the time of purchase only.

• EPP Includes:

- | Instrument | Additional cost per added year of warranty
(up to 5 years available) |
|-------------------------------|---|
| Digital BTE | \$119 |
| Roger/FM Transmitter/Receiver | \$109 |
| Roger/FM Auxiliary Products | \$59 |

Note to self....

I need a raise!

I saved \$26 a Roger/FM
instrument by prepaying
for the warranty!

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www.phonakpro.com

Phonak Pediatric Solutions

Becoming a child is not a small adult.

For over 40 years Phonak has played a key role in developing and offering the very best hearing solutions for children of any age.

Our close collaboration with hearing care professionals, teachers, researchers, children and their families has allowed us to make unique technological advances.

Together we have significantly improved the lives of millions of children worldwide.



True Audibility of high-pitched Sounds

SoundRecover - this technology, unique to Phonak, gently compresses and shifts the soft consonants of speech into a range where they become audible. This can greatly support speech and language development and speech production.

Read scientific evidence
or www.googlephnanager.com.



Access to the full soundscape - for a child's unlimited imagination.

Watch the movie

Phonak Pediatric Solutions

Every child is unique with different needs as they grow. Whatever the age, Phonak provides solutions for children and their families.

Infants & Toddlers

The first hearing aid experience not only has to be comfortable for the baby, but for the parent too.

Pediatric

Pediatric Solutions
Pediatric Fitting
Pediatric Resources
GAP - Guide to Access Planning

Downloads

- Pediatric Professional Brochure 10/2013 (PDF, 125KB)
- Roger for Education Professional Brochure 10/2013 (PDF, 11MB)

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www.bringstoundtolife.com

Bring sound to life.

Phonak Sky Q and Roger connect you to friends, family, and everything important to you.
Live without compromise.



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Roger configurator

Configure Roger System Set Up Instructions Product Documentation



Phonak Sky Q50 M13

Standard WaterResistant BTE (13) for mild to severe hearing loss.
—Wireless

Order Number
050-0163



Roger Inspiro

Roger Inspiro is a wireless microphone that together with Roger receivers gives children high-quality access to the voice of the teacher or parent, especially in noisy conditions.

Order Number
052-3169



Roger X

Roger X is a miniature universal Roger receiver that is compatible with virtually every hearing aid and cochlear implant speech processor on the market.

Order Number
052-3113



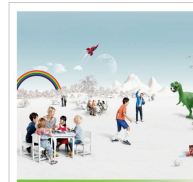
Audio Shoe AS 15

Order Number
054-0682

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Hearing Birthday Book

- Initially developed by Callier Center at UT Dallas
- Designed by Phonak
- Customizable photo book for children
- Fun way for children and parents to teach others about hearing aids
- Phonak is hosting the web ordering system and making the book template available for purchase by fitter or parent (\$24.99)

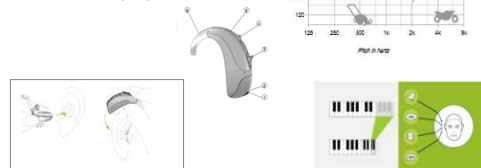


My Hearing Birthday

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Junior reports

- Audiogram on familiar sounds audio
- Pictures - how to put hearing aids in
- Parts of hearing instruments
- Program description
- Sound Recover information
- FM/Roger information
- 30 different languages



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Target™ 3.3 Instructional Videos

Media language: English

Naida - Changing battery with secured battery compartment 00:36

Naida - Mounting secured battery compartment 00:44

Naida RIC - Changing receiver 00:42

Naida RIC / M H20 / M13 - Left/ right identification assembling 00:39

Naida RIC / M H20 - Changing microphone protection and prog... 00:54

Naida - Mounting secured battery compartment

Enable hearing loss simulator

Characteristic: dB

Output boost: dB

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Roger/FM Checker and Listening Adapters

MLx Audio Checker: 052-0289

Contains: Checker w/ headset and power supply

Price: \$85

Warranty: 90 day accessory

Roger 17

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