

Back to school 2015-16



Agenda

- Sky/Venture- update on hearing aids and programming
 - Connectivity
 - Roger technology
 - Roger pen/ Easy pen
 - Remote microphone research
 - Resources
-
- Questions for chocolate 😊



Phonak Sky Q



IP rating-temporary exposure

	First digit: Solid objects	Second digit: Liquids
4	> 1mm	Splashing water <ul style="list-style-type: none">• <i>Water splashing from any direction has no harmful effects</i>
5	Dust protected <ul style="list-style-type: none">• <i>Any ingress of dust does not interfere with satisfactory operation of the equipment</i>	Water jets <ul style="list-style-type: none">• <i>Water projected by a nozzle (6.3mm) has no harmful effects</i>
6	Dust tight <ul style="list-style-type: none">• <i>No ingress of dust</i>	Powerful water jets <ul style="list-style-type: none">• <i>Water projected in powerful jets (12.5mm) has no harmful effects</i>
7		Temporary immersion <ul style="list-style-type: none">• <i>Immersion at 1m for 30 minutes doesn't damage the equipment beyond repair</i>
8		Continuous immersion <ul style="list-style-type: none">• <i>Enclosure can withstand continuous immersion in water; usually airtight</i>

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.

Question 1

- How do you maintain water resistancy on Sky Q M13?



Water resistance

- To maintain water resistancy, use integrated receiver option
 - Roger 15
 - ML 15i
- Recommended to change microphone covers of M13
- Fun way to change color of hearing aid



Phonak Sky Q – Hearing in color

UNIQUE



Electric Green
& Green



Caribbean Pirate
& Yellow



Dragon Orange
& Blue



Vanity Pink
& Pink



Blue Lagoon
Transparent
& Purple



Royal Purple
Transparent
& Orange

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.



Powered by 

ABOUT OUR SKINS

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

Tamperproof solutions for Phonak Sky Q



M13 battery door



M13 ear hook



SP & UP battery door



SP&UP ear hook

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-SP/UP - changing battery with secured battery compartment

Sky Q-SP/UP - mounting secured battery compartment

Sky Q-M13 change tamperproof hook

Sky Q-SP/UP change tamperproof hook



Pediatric accessories

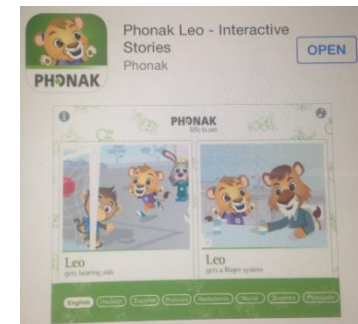
New stickers for hearing aids and hardcase



Updated care kits



New book & Mascot



Sky is not the limit Introducing Phonak Venture

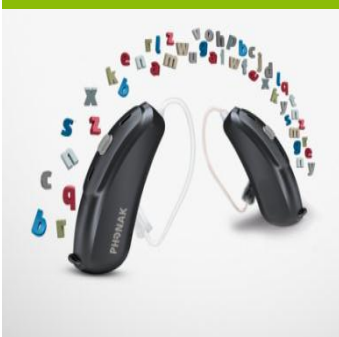


What's new?

Bolero V 3 new designs



CROS II 2 new designs



Phonak Support App



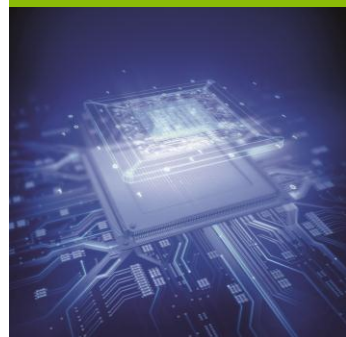
Phonak Target™ 4.1



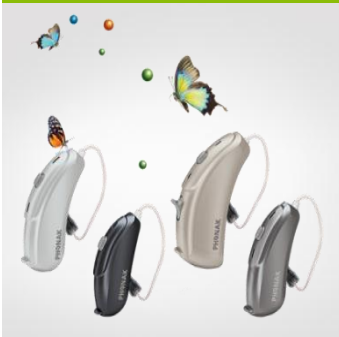
Roger EasyPen



Venture Chip



Audéo V 4 designs



AutoSense OS



EasyCall II



ComPilot Air II



Phonak Bolero V

Bolero V-P



Bolero V-SP



Bolero V-M



Question 2

- What devices can a student use to connect to their music?

A close-up, low-angle shot of a woman's head and shoulders, looking upwards and to the right. She has dark hair and is wearing a small, dark, circular earpiece in her left ear. The background is blurred, showing other people and warm, ambient lighting, suggesting a concert or festival setting.

Not just live music.
Alive music.

Connectivity - Music

Not just live music.
Alive music.

Catherine, 18
Carolyn, 16

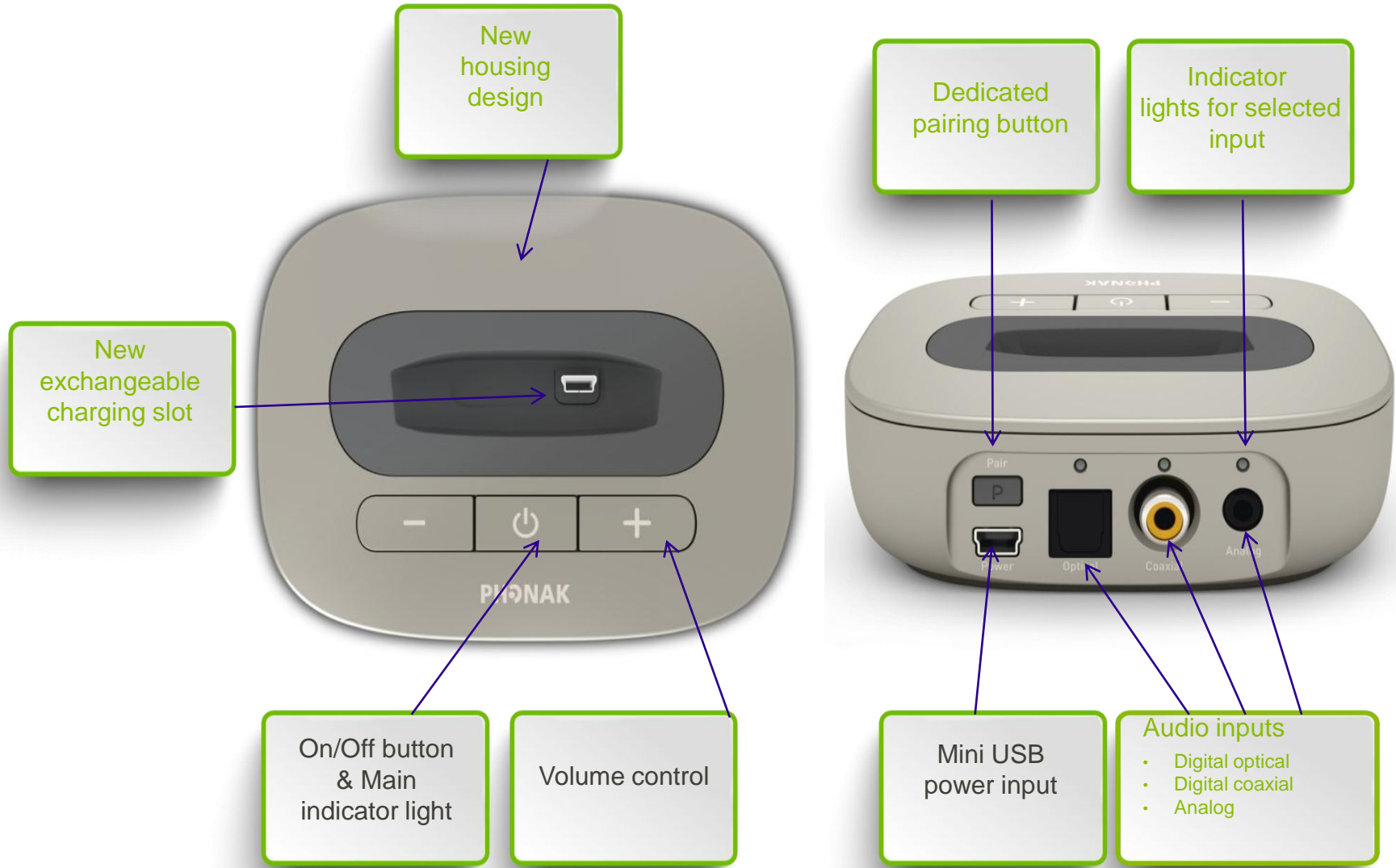
"The Roger Pen... totally helps when it comes to background noise. And you can connect it to your music!"



Connectivity - TV



Phonak TVLink II description



Question 3:

- How can a student connect to their cell phone?

Malin, 15

“I’ve never been able to talk on the phone at all, but now it’s easy. ”



Connectivity - Phone at home or on the go



EasyCall II
EasyCall



ComPilot Air II

Malin, 15

"I've never been able to talk on the phone at all, but now it's easy."



Phonak DECT II

Versatile integrated case options

- Hard shell available for the most popular phones
 - iPhone 5 and 6
 - Samsung Galaxy S5, S4 mini
 - \$10
- Compatible with all other phones by using removable double sided adhesive tape



Phonak Remote Control app

- No direct fitting required
- Automatically gets information from the streamer



Pair of Phonak Venture hearing aids

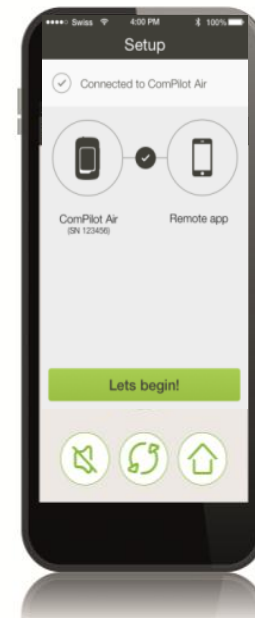
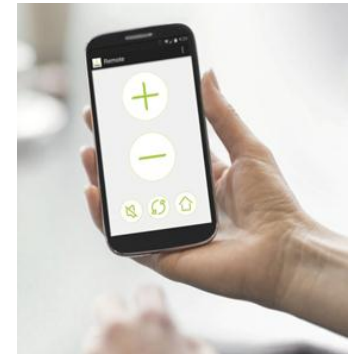


Phonak ComPilot II

or



Phonak ComPilot Air II



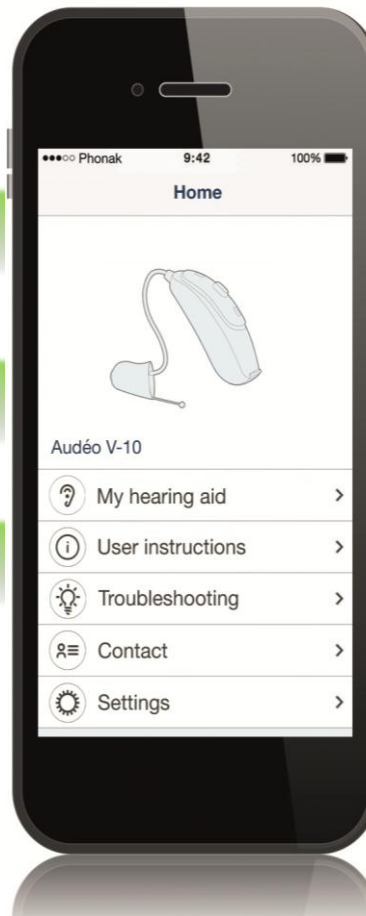
Phonak Support App

Turns the user guide into an app

User relevant content only

Step-by-step user instructions

Troubleshooting guide



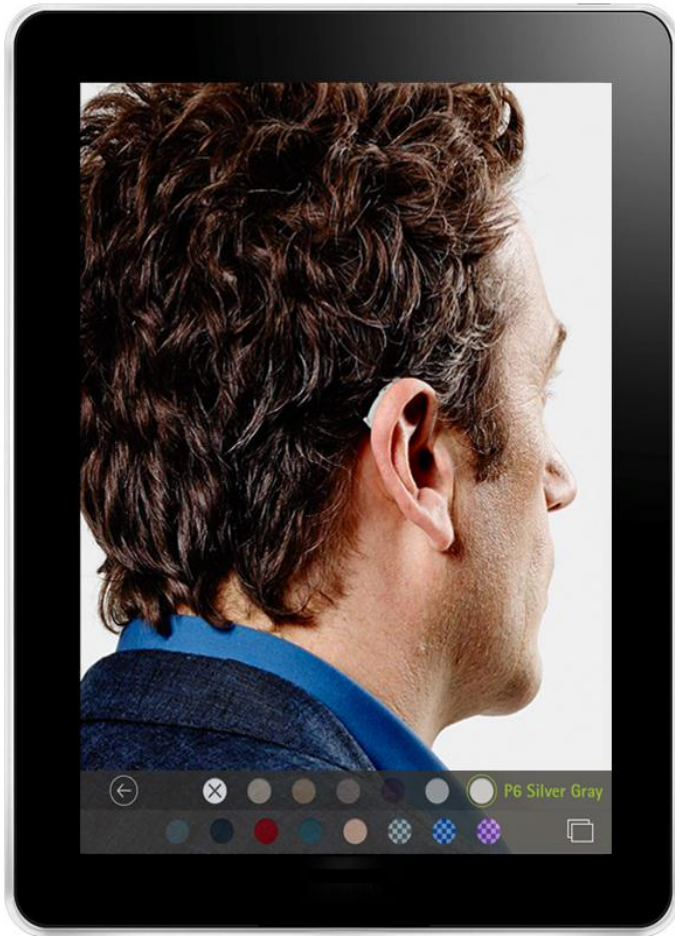
iOS 7.0 and newer / Android 4.0 and newer

Available globally in English, German, Spanish and French

All Venture products are supported

Phonak Virtual Mirror

Quick and easy to use in 3 steps



1. Take a picture of the selected hearing aid behind the ear
2. Let you client choose their preferred color
3. E-mail the picture to the client



Introducing Phonak CROS II



New Hardware

CROS



CROS H2O



CROS II-312



CROS II-13



Phonak CROS II Coupling Options

CROS Tip



For retention

CROS DemoHook



NEW

For demonstration

CROS II Hook*



NEW

For earmolds

CROS SlimTube



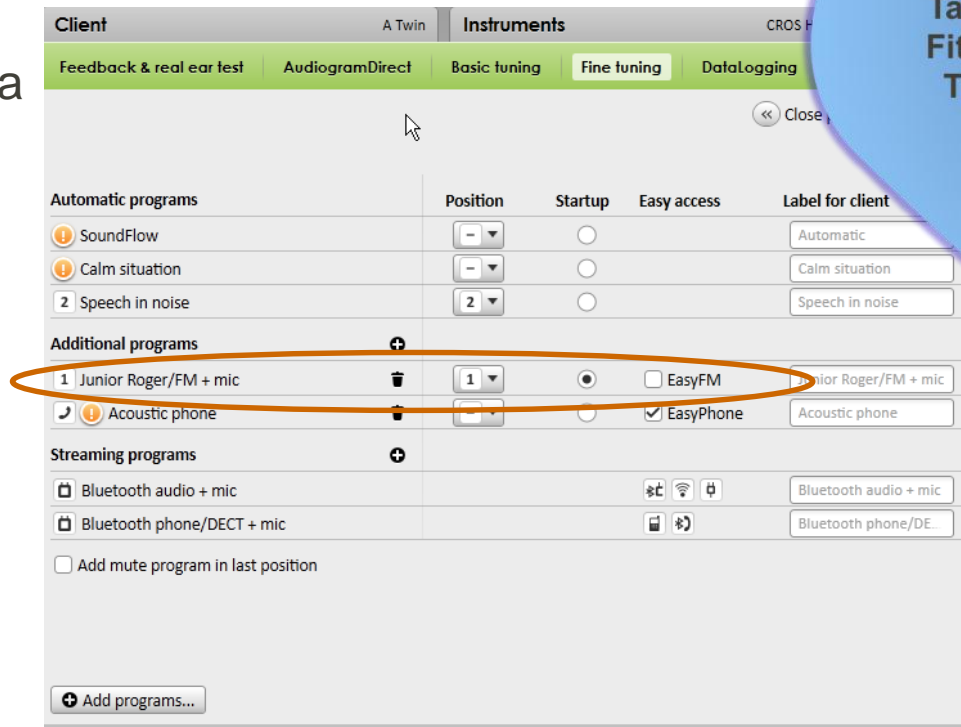
For instant fitting

*only for CROS II-13

Target Software tips for Fitting CROS

Start up Program!

- If you selected Junior Mode you will have a startup program of Junior Roger/DAI +mic
- Be sure to put Soundflow as a start up program!
- Roger program



Target
Fitting
Tip!!



Question 4

- How can you connect a Roger to a CROS system?

CROS DemoHook



NEW

For demonstration

CROS II Hook*



NEW

For earmolds

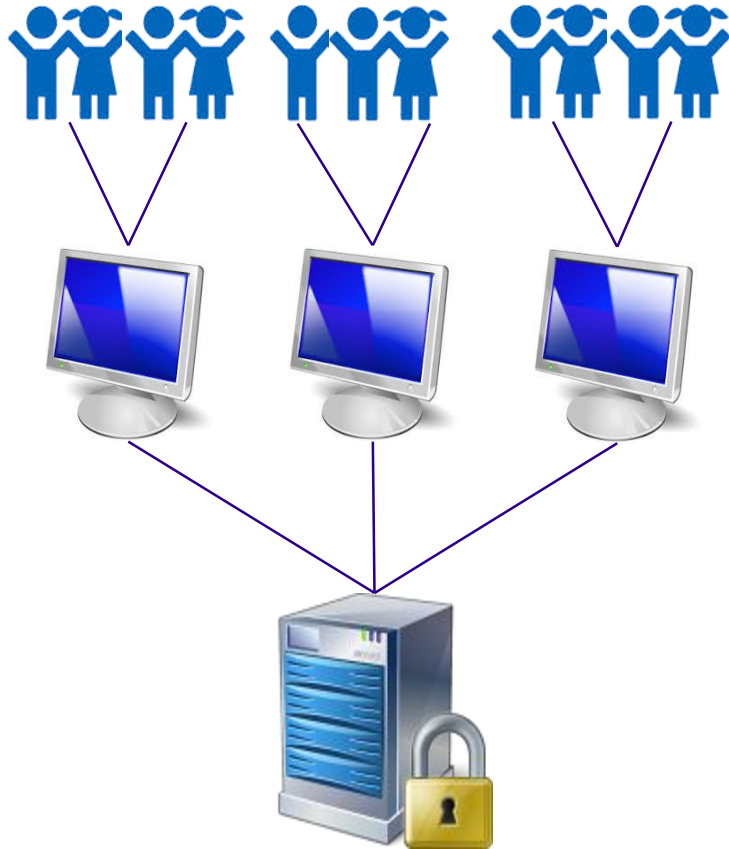
CROS SlimTube



For instant fitting

*only for CROS II-13

CUPER



Use logs are collected on HI



HI use logs are read into clinician software and stored with fitting logs



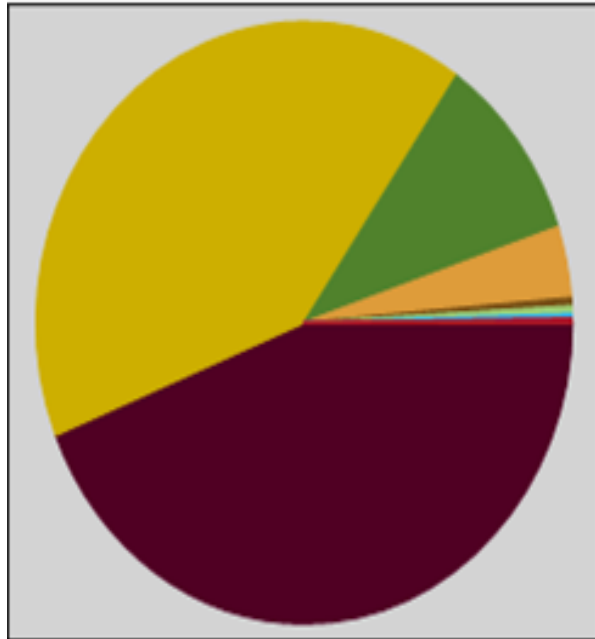
Participating clinics send anonymized software logs to a central repository for retrieval and analysis

Question 5:

Mic+ Roger is the default program in the programming software for children 0-18. How often do you think the Automatic mode is set as the default instead?
















Use of programs

Distribution of Start-up Programs



program name	#install.	in %
calm situation fm	5226	43.90%
Sound Flow	4850	40.74%
speech in quiet	1215	10.21%
school fm mic	458	3.85%
speech in noise	51	0.43%
public buildings t coil mic	50	0.42%
phone t coil mic	26	0.22%
phone	16	0.13%
comfort in noise	5	0.04%
tv t coil mic	3	0.03%
custom	2	0.02%
music fm mic	2	0.02%

Target programming- no Easy Roger

AUTOMATIC PROGRAMS		Position	Startup	Easy access
 SoundFlow		- ▼	<input type="radio"/>	
 Calm situation		- ▼	<input type="radio"/>	
 Speech in noise		2 ▼	<input type="radio"/>	
 Comfort in noise		- ▼	<input type="radio"/>	
ADDITIONAL PROGRAMS		+		
 Junior Roger/DAI + mic		1 ▼	<input checked="" type="radio"/>	<input type="checkbox"/> EasyRoger
 Acoustic phone		- ▼	<input type="radio"/>	<input type="checkbox"/> EasyPhone
STREAMING PROGRAMS		+		
 Bluetooth audio + mic				  
 Bluetooth phone / DECT + mic				 

Have you met Roger?



Question 6

- What transmission band does FM use?
- Roger?

FM compared to Roger

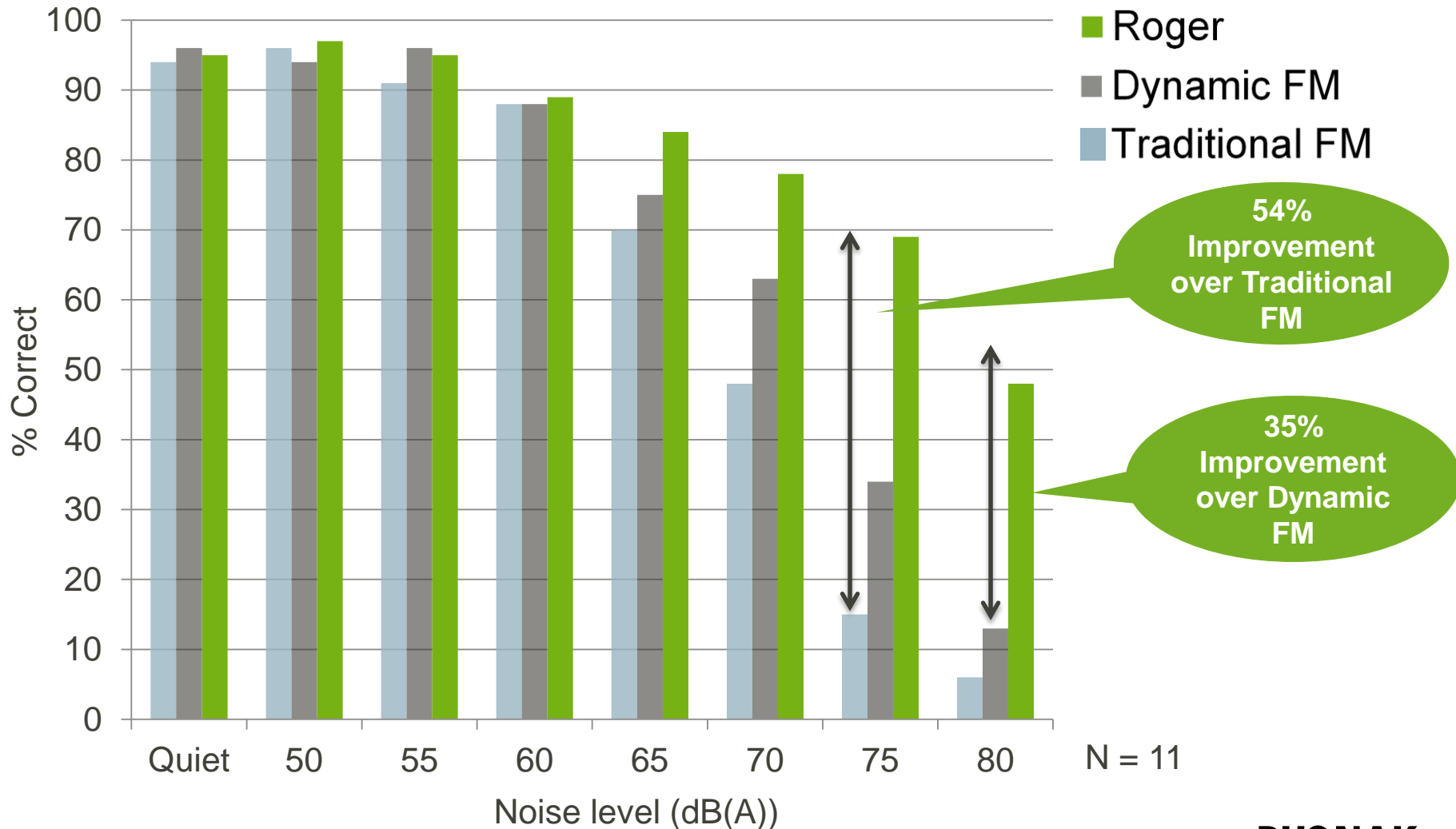
- FM
 - Analog signal
 - Audio bandwidth 5800 Hz
 - 216 MHz
 - Channels
 - Programming needed
 - FM SuccessWare/toaster
 - Interference possible
- Roger
 - Digital signal
 - Audio bandwidth 7300 Hz
 - 2.4 GHz
 - No channels
 - No programming needed
 - No software needed
 - No interference

Remote mic- bluetooth



röger

Speech understanding at 5.5 m in various noise levels



Full compatibility

Compatible with:

- hearing instruments
- cochlear implants
- BAHA

Via:

- Design-integrated receivers
- Universal ear level or inductive neck-loop receivers
- Streamer



Question 7:

- What transmitter sends FM and Roger at the same time?

Roger inspiro

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



Roger inspiro compatibility



Roger inspiro



Dynamic FM receiver:

picks up the FM signal transmitted by Roger inspiro

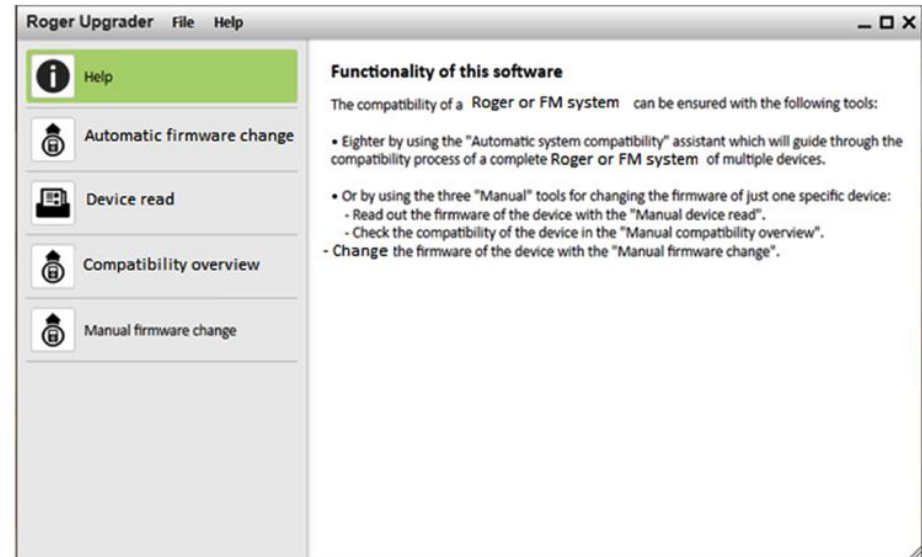
Roger receiver:

picks up the Roger signal transmitted by Roger inspiro

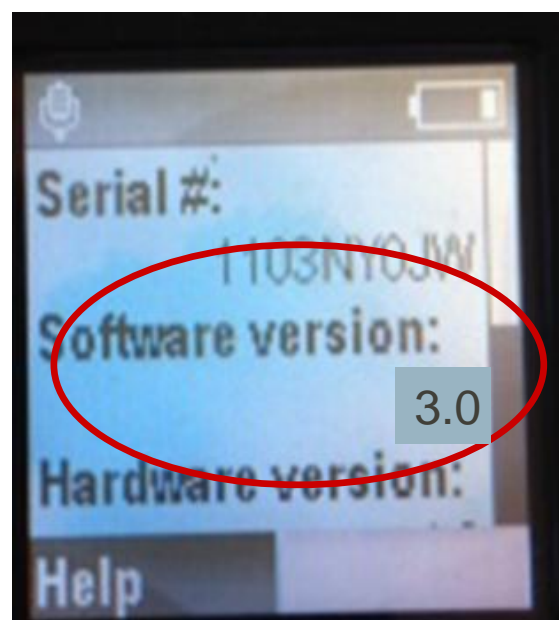
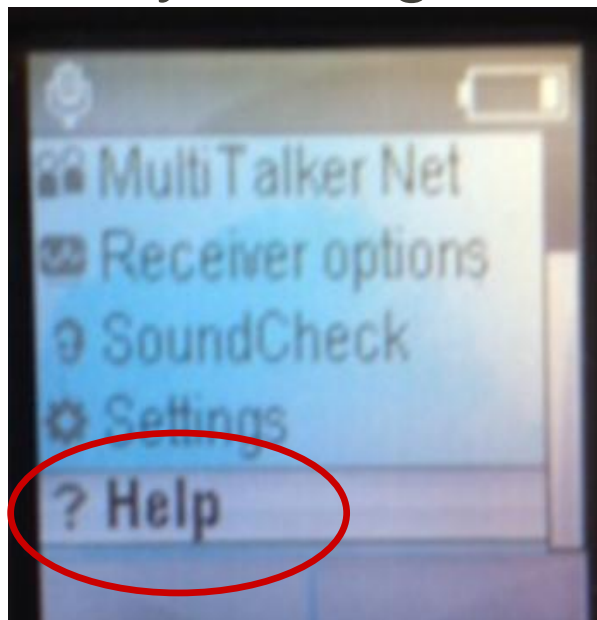
Roger inspiro transmits speech to Roger and FM receivers simultaneously

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

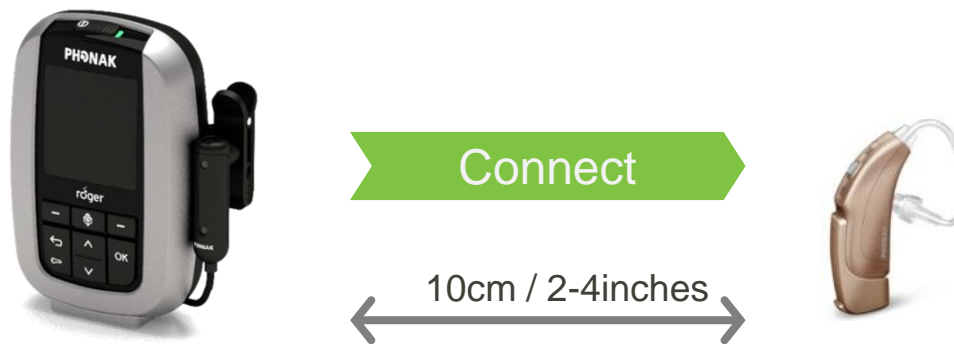


Are you Roger ready?



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**

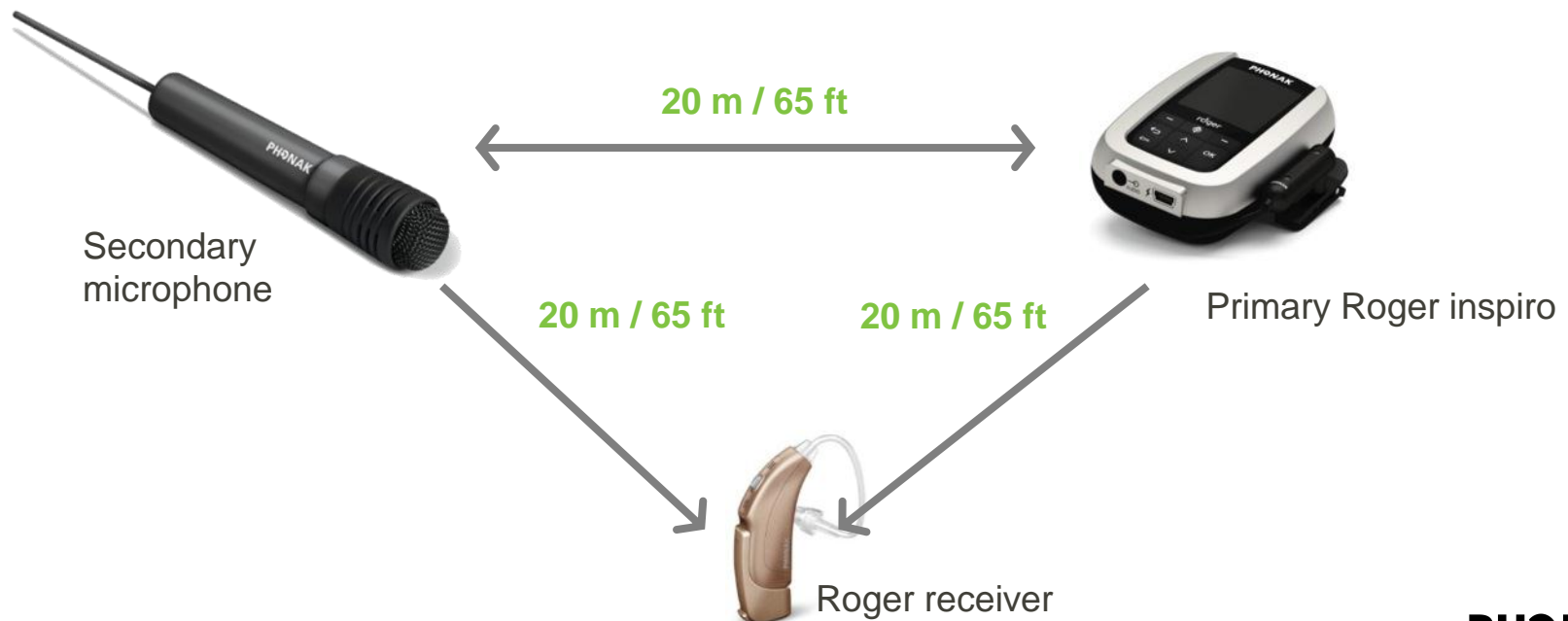
Roger accessories for the classroom

- DynaMic
- Wall pilot
- Digimaster x
- Audiohub



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



Roger WallPilot



Connects Roger receivers fully automatically

Connects Roger microphones to the MultiTalker network

Question 8:

How can your HI students access audio from media such as smartboard?



Roger Accessory- AudioHub

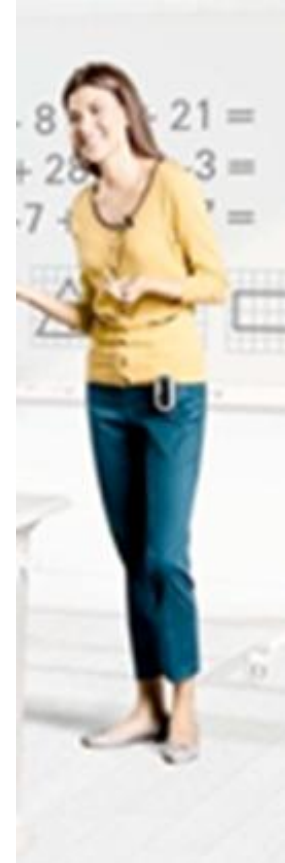
How do your HI students access audio from media such as smartboard?

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

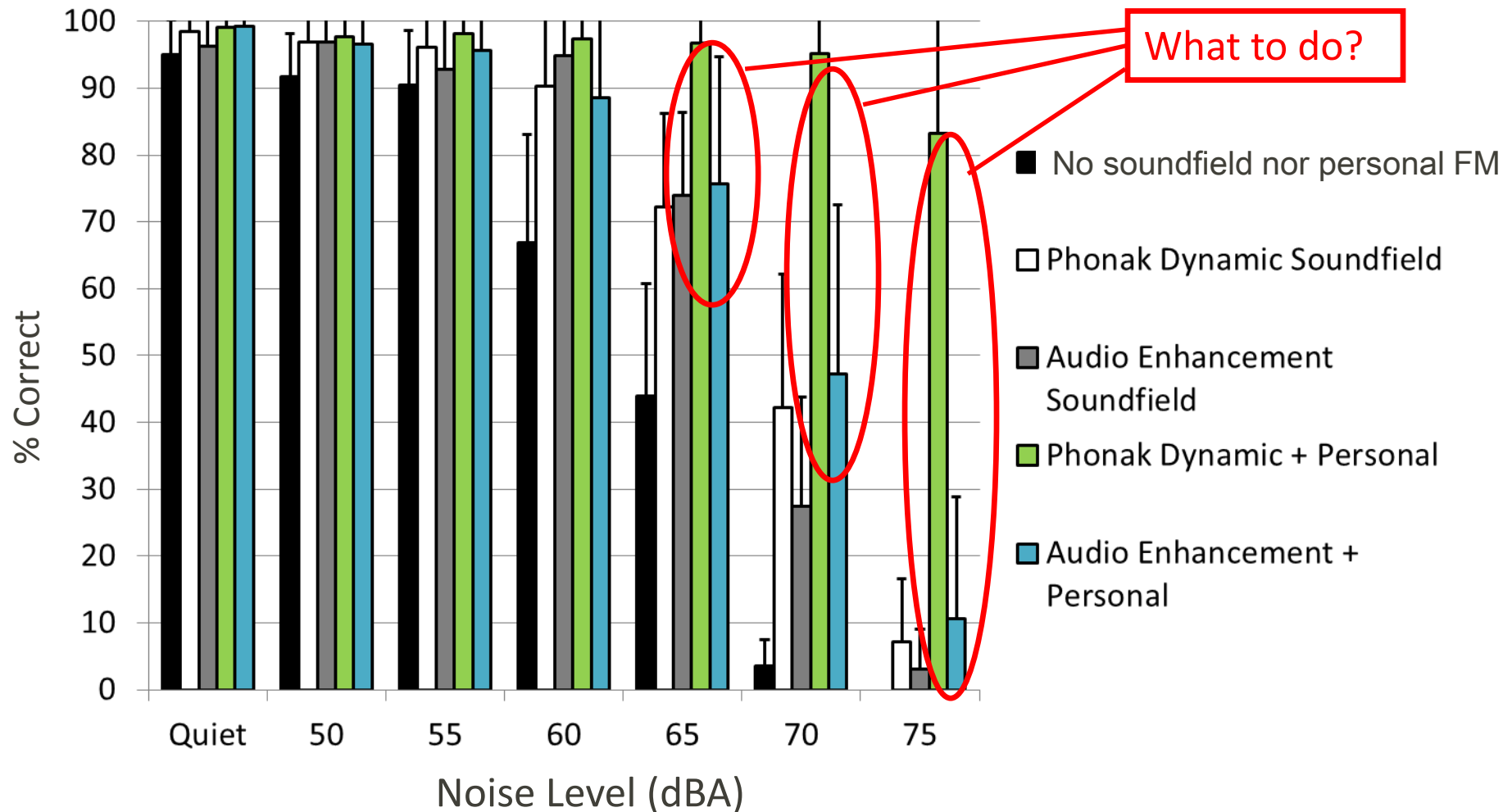


Soundfield with personal FM/Roger

- How do you incorporate FM/Roger into a classroom with soundfield?
- Patch in FM/Roger transmitter?
- Have the teacher wear two microphones?



Patching transmitter into soundfield



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 receivers(s) and one for the ADS (parallel signal processing). Alternatively, the teacher may wear a transmitter that directly serves, both the personal FM receivers(s) worn by the student(s) and an FM receiver that provides input to the ADS (sequential signal processing).”



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



Digimaster x instructions



Roger microphone options



Roger inspiro



Roger Pen



Roger Clip-On Mic

Phonak RemoteMic is NOT Roger



Question 9:

- What are the 3 microphones modes of the Roger pen?



Roger inspiro



Roger Pen



Roger Clip-On Mic

Phonak RemoteMic is NOT Roger



Roger pen and Easy Pen

- » Easily access other talkers in the classroom
- » Student can have control of microphone
- » Can connect to other media- charging dock
- » Multi talker to other pens and clip on microphones



Roger upgrader



Firmware upgrade:

We are also excited to announce a firmware upgrade for Roger Pen and Roger Clip-On Mic (version 1.1). This new firmware version 1.1 will provide a more user-friendly and intuitive LED concept.

Function	Old firmware	New firmware
Switch on	White	Green
On	White flashing every 5s	Green flashing every 2s
Switch off	White fade out	Red fade out
Off, Bluetooth® enabled	No LED	Blue flashing every 5s
Connect	No LED	Blue blinking during connect
Secondary does not find primary	Red flashing	Blue flashing every 2s

Roger Easy Pen

Comparison of Roger Pen and Roger EasyPen feature set:

Feature	Roger Pen	New! Roger EasyPen
Adaptive behavior	•	•
Noise cancellation	•	•
Mute	•	•
Microphone modes	conference, interview, landyard	conference, interview, landyard
Switching between mic modes	automatic or manual	automatic
Audio input	•	•
Bluetooth®	•	•
MultiTalker Network (MTN)	•	•
Receiver compatibility	02-unlimited 03-unlimited	02-unlimited 03-unlimited
Docking station	•	•

Selecting the best wireless accessory for your patient

- There is a tremendous growth in number and variety of wireless microphones and accessory solutions that are compatible with HAs
- Solutions vary widely in
 - Cost
 - Features
 - Signal processing capabilities



Oklahoma City, OK

Evaluation of RM systems

Investigator:

Jace Wolfe, Ph.D.
Mila Morais, Au.D.

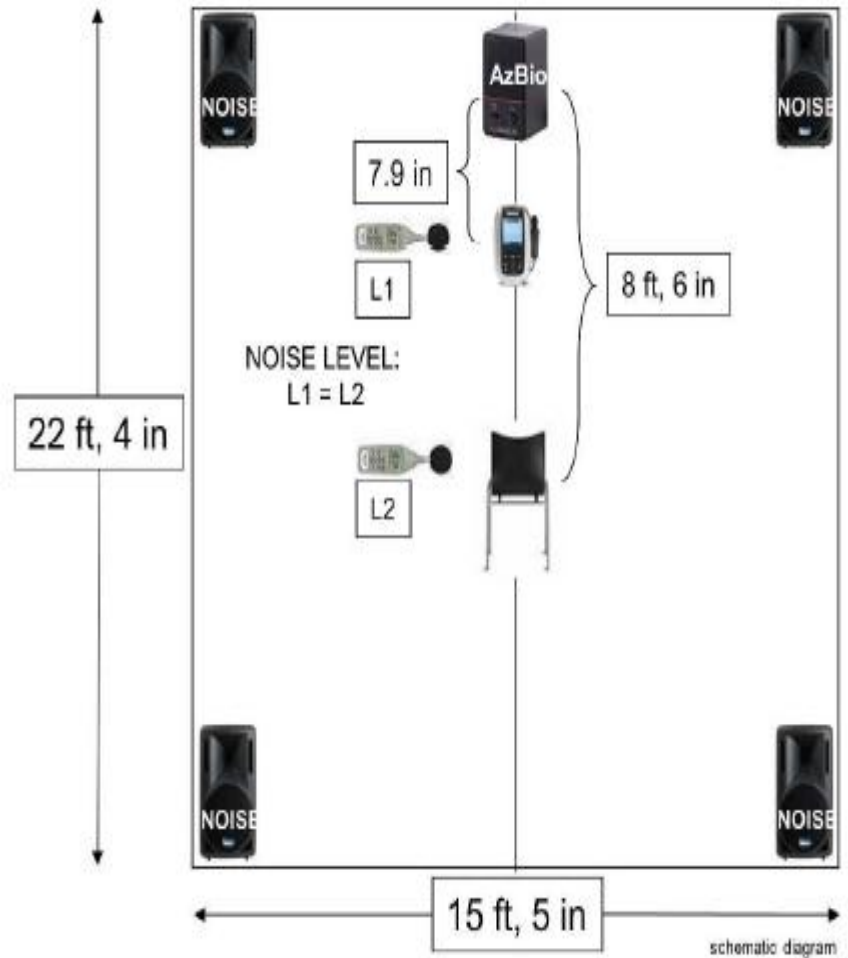


Wireless comparison study

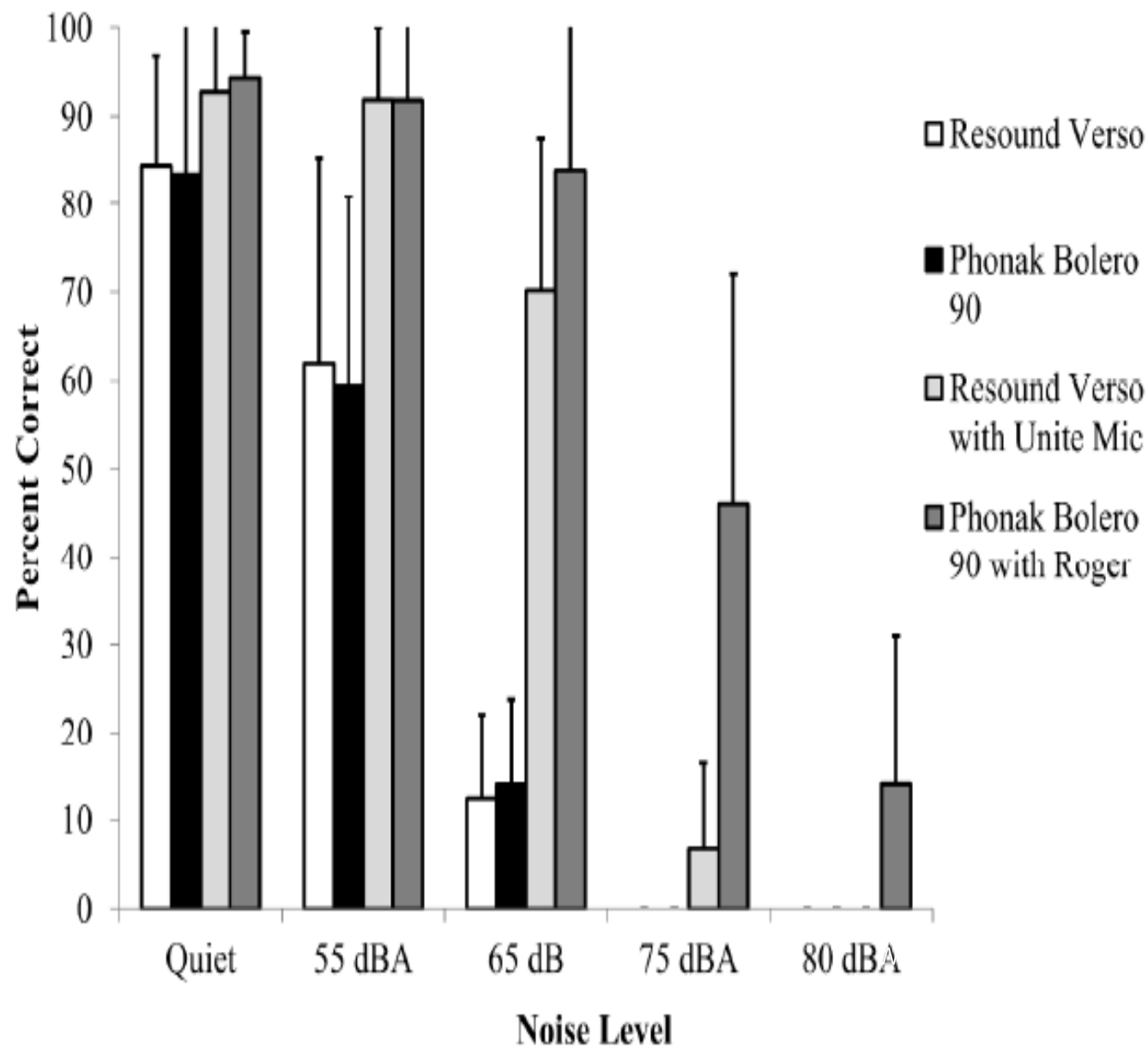
- » 17 adults with SNHL
 - » Resound Verso HA
 - » Resound Verseo with Unite mic
 - » Phonak Bolero Q90 BTE
 - » Phonak Bolero Q90 BTE with Roger Pen
- » All devices were fine tuned to create an equalized response that met NAL-NL2 targets for all device configurations. This ensured that differences could not be attributed to programming differences such as microphone offset or default FM advantage.

Test conditions

- » Testing with all 4 devices occurred in 5 conditions
 - » Quiet
 - » 55 dBA
 - » 65 dBA
 - » 75 dBA
 - » 80 dBA



Results



Conclusions

- » Inexpensive RM accessories might be a good solution for patients that wanted to improve listening at a distance, however, when background noise is present at moderate and high levels, only the signal processing of roger (adaptive directional microphones, adaptive gain model) are likely to yield any significant benefit
- » When selecting wireless accessories, it is important to understand the listener's target environments

Roger Receiver Portfolio

roger



Roger MyLink



Roger X



Roger focus



Roger 10



Roger 11



Roger 15



Roger 16



Roger 17



Roger 14



Roger 18

Question 10:

- What receiver needs to be programmed when used with cochlear implants?

Advanced Bionics Naida CI Q70	Advanced Bionics Harmony™ / Auria™	Cochlear Nucleus 6 (CP910) / Nucleus 5 (CP810) [†]	MED-EL OPUS 2
			

Cochlear implant considerations

Model	Recommended CI module setting	Recommended EasyGain	AutoConnect
MED-EL OPUS 2 and ML CI S (automatic setting)	Default	0dB	ON
MED-EL OPUS 2 (manual setting)	Setting 2	0dB	OFF
AB Naída CI Q70 with ComPilot and Roger X	Setting 3	0dB	OFF
AB Harmony / Auria	Setting 4 or Setting 1	+8dB or 0dB	OFF
MicroLink CI S (manual setting)	Setting 5	0dB	OFF
Cochlear Nucleus 6 / 5	Setting 9	0dB	OFF

Advanced Bionics Naída CI Q70	Advanced Bionics Harmony™ / Auria™	Cochlear Nucleus 6 (CP910) / Nucleus 5 (CP810) ⁴	MED-EL OPUS 2
			
Roger 17 ² or ComPilot + Roger X	iConnect™ + Roger X ³	Roger 14 or Euro accessory adapter + Roger X	FM battery door + Roger X
Receiver + Adapter			

Erin Schafer- University of North Texas

- FM systems improve hearing & educational performance
- Strong evidence to support FM systems in several underserved populations--
 - 1. Auditory Processing Disorder (APD)
 - 2 Autism Spectrum Disorders (ASD) & Attention-Deficit Hyperactivity Disorder (ADHD)
 - 3. Dyslexia
 - 4. Language Disorders



AS15 Audioshoe Update

- Phonak wants to thank you for your patience while the AS15 audioshoe was updated due to intermittency issues
- Updated audioshoes began shipping in February 2015



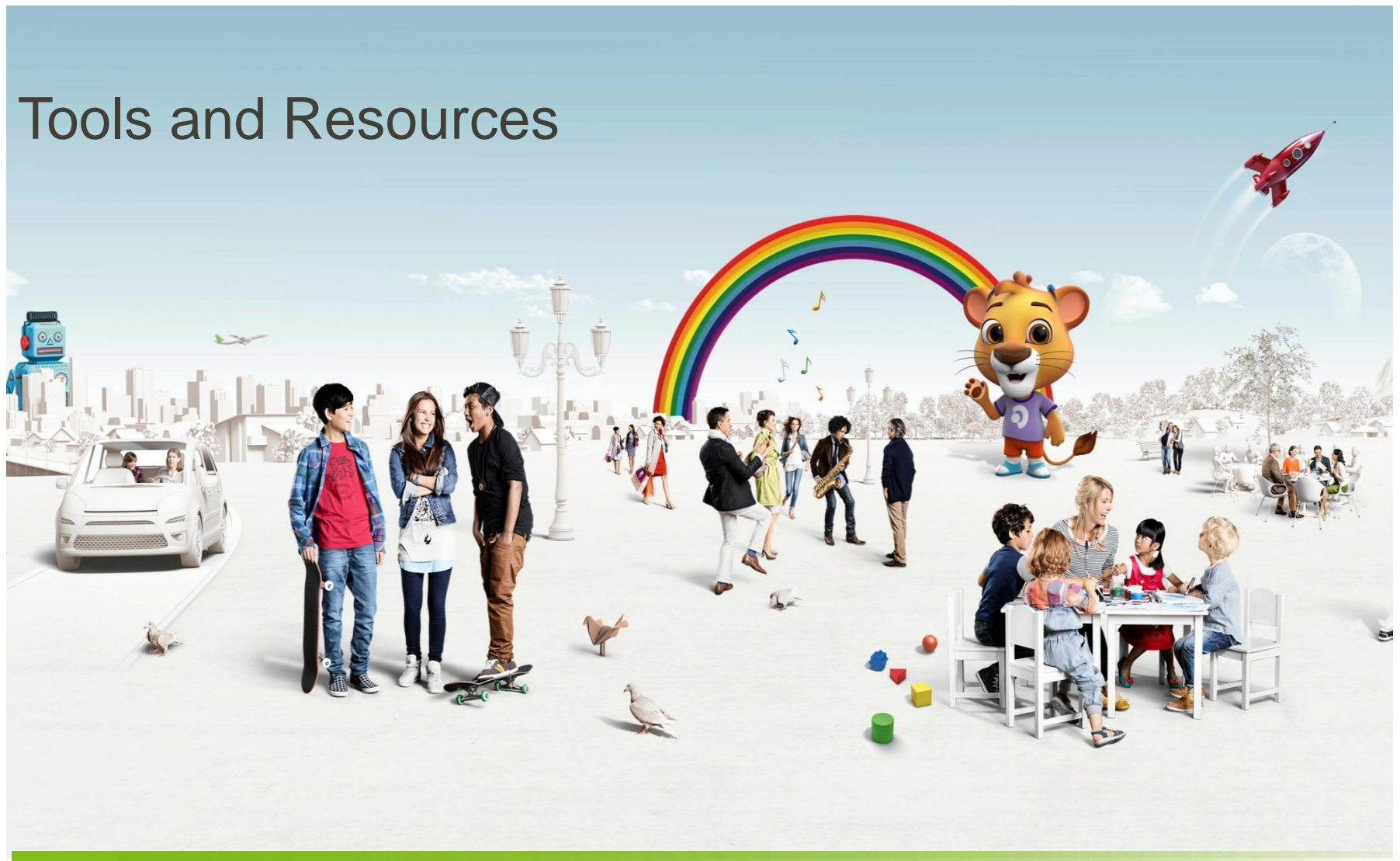
AS15 Audioshoe Update

- **Identifying a new AS15 on the package:** The barcode label in the blister package includes the production date on the bottom right side (see picture).



- If this production date is 2015, then it is a **new AS15**.
- If this production date is 2014 or lower and has an orange dot, then it is also a **new AS15**
- If this production date is 2014 or lower and has no orange dot, then it is an **old AS15**

Tools and Resources



New quote request form! Email schoolquotes@phonak.com

1.Be sure to fill out contact information completely.

2. Select desired quantity and color of items. If your desired equipment is not on the list, simply write it in the special instructions section

3. Email your form to schoolquotes@phonak.com

[illegible][illegible]

Placing your order is simple! Email Schoolhelpdesk@phonak.com



Note to self....

**Send your newly obtained P.O.
to the school desk.**

Schoolhelpdesk@phonak.com

A confirmation email will be sent
upon receipt.

FM/Roger checker and listening adapters

MLx Audio Checker:

Contains:

Price:

Warranty:

052-0289

Checker w/ headset and power supply

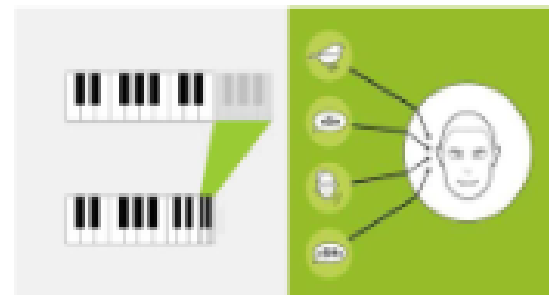
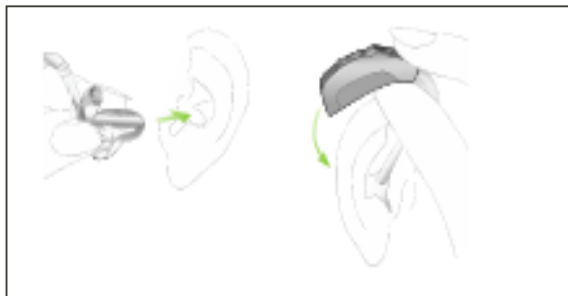
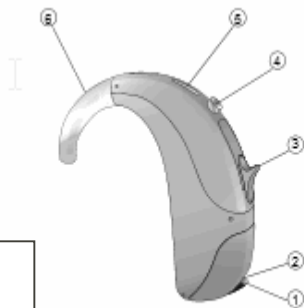
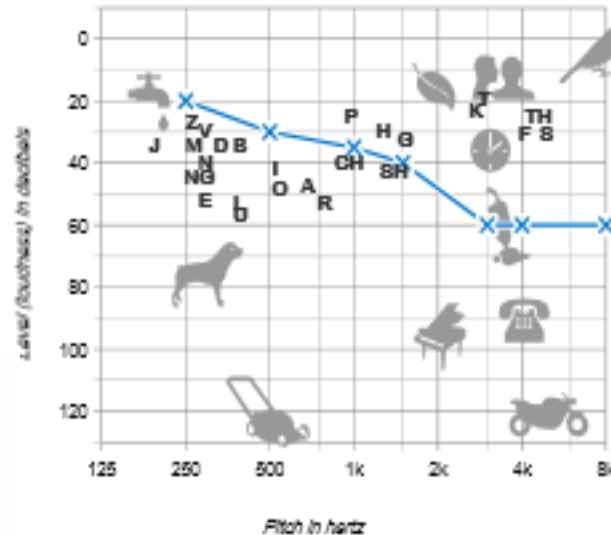
\$85

90 day accessory








Junior reports

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




Target™ 4.1 instructional videos

Media language: **English** ▼

-  **Naída - Changing battery with secured battery compartment**
00:56
-  **Naída - Mounting secured battery compartment**
01:44
★
-  **Naída RIC - Changing receiver**
00:42
-  **Naída RIC / M H20 / M13 - Left/right identification assembling**
00:39
-  **Naída RIC / M H20 - Changing microphone protection and prog...**
00:54

Naída - Mounting secured battery compartment



Progress bar: [Slider bar with play button icon]

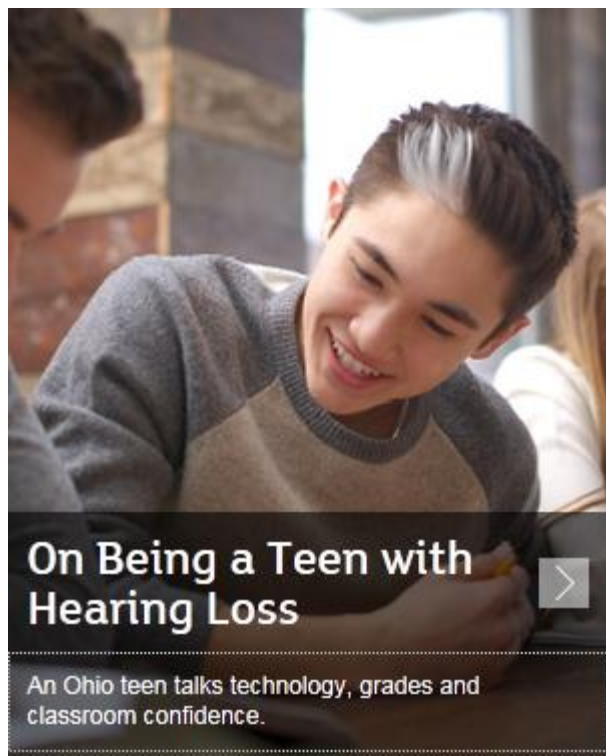
☐ Enable hearing loss simulator

Characteristic: **Mild** ▼

Output boost: [Slider bar] 0dB

Play

Teens requesting information- Hearing Like Me




Listening Room


Listening your best is now much easier and a lot more fun

The Listening Room™ is a one-of-a-kind website delivering dynamic listening exercises tailored for all ages and levels of hearing loss.



- Learn to discriminate sounds and speech more easily
- Practice listening with fun, engaging exercises
- Develop your appreciation of music
- Track your progress

A large, colorful illustration of a park scene. On the left, a man and a woman are sitting on a wooden bench, talking. A small yellow dog is sitting next to them. In the center, a man wearing a hat is sitting on the grass, playing an acoustic guitar. A woman is sitting next to him, smiling. To the right, there is a swing set with two children swinging. Another child is running towards the swing set. In the background, there are green bushes, a blue building, and a clear sky.

 The Listening Room, sponsored by Advanced Bionics and Phonak, is one of the many rehabilitation and educational resources offered by AB's rehAB program. The website provides a foundation of interactive and uniquely designed practice activities to maximize the hearing experience so communicating with others is both successful and enjoyable.

RELATED REHAB RESOURCES

HEARINGJOURNEY
HEARING LIKE ME

SPONSORED BY

 **PHONAK**

Partners for Better Hearing

www.bringstoundtolife.com

Use technology to succeed in different situations

Bring sound to life.

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



New Guide to Access Planning eBook

- A new GAP eBook is available in both Apple and Android format
 - Content
 - Links
 - Downloads
- A link to the eBook will be available on PhonakPro and Phonak.com





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For Schools

Guides



Brochure: Roger for education

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To the SKY and beyond!



Whatever adventure your student is ready to explore Phonak has a solution to provide the most optimal auditory experience during the journey

