

Life is On with Roger On

Haley Butler, AuD

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Life is On with Roger On.

Haley Butler, AuD

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Presenter disclosures

- Financial: I am employed by Phonak.
- Non-financial: I have no relevant non-financial relationships to disclose.



Learning Objectives

After this course, participants will be able to:

1. List the features of the Roger On microphone, RogerDirect, Roger Neckloop, and Roger Focus II.
2. Identify individuals who can benefit from Roger technology.
3. Describe how to choose, set up, pair, and troubleshoot Roger technology.

What is the fundamental challenge?

Because...

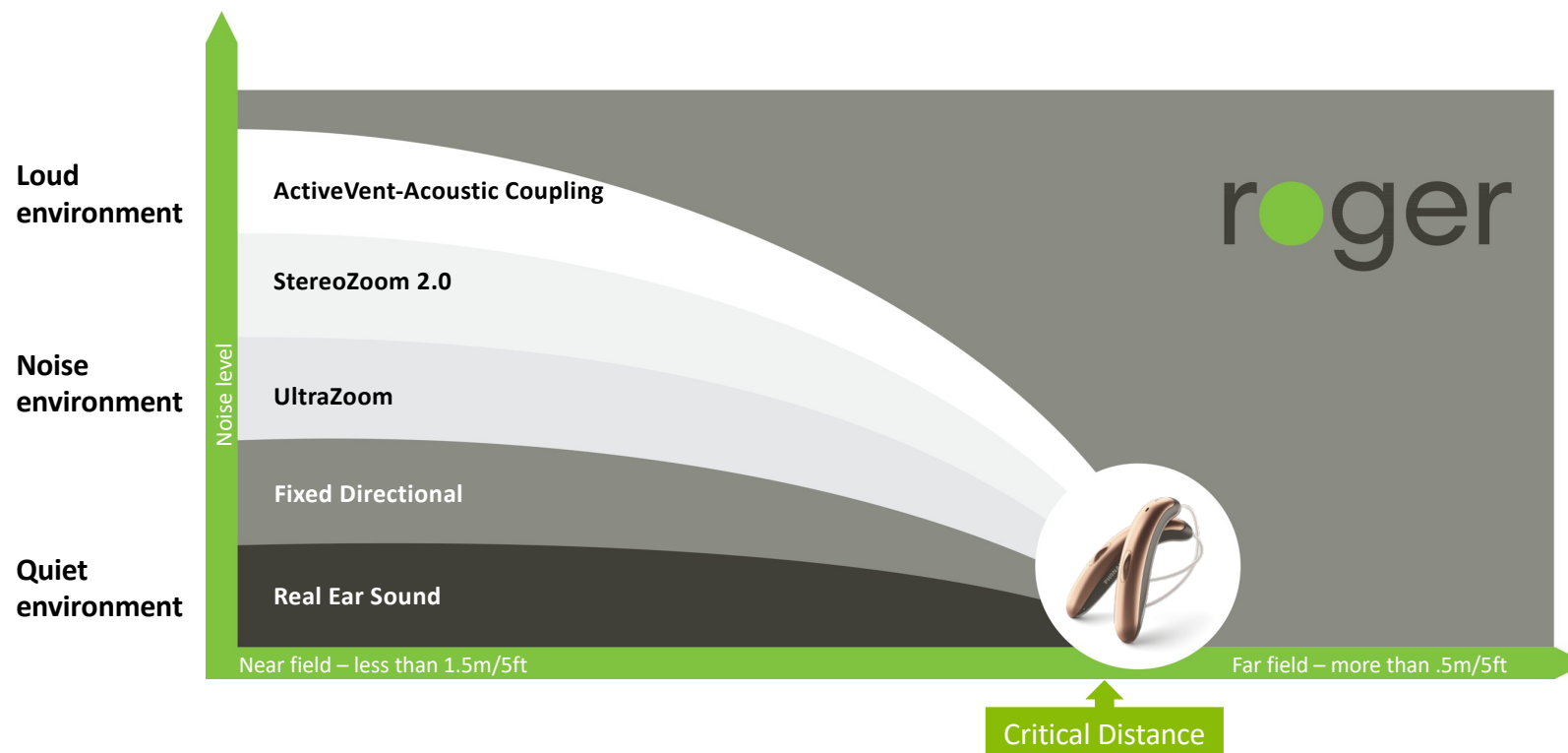
31%

of hearing aid wearers report
they have challenges hearing
in background noise¹

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¹ Abrams, H. B., & Kihm, J. (2015). An Introduction to MarkeTrack IX: A New Baseline for the Hearing Aid Market. Hearing Review, 22(6), 16.

Roger: Why is it needed?



Are Roger users satisfied?



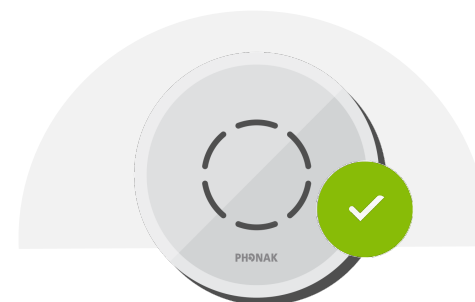
86%

communicate, participate
and contribute in meetings
more effectively



90%

would recommend Roger
to family and friends



82%

find their Roger microphone
easy to use

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*Taphuntsang, D. (2019). Market Research ID 1299. Please contact marketinsight@phonak.com if you are interested in further information.

How is Roger different?

Phonak Roger

Other Remote
microphones

Universal solution

Adaptive gain

Personalization of
adaptive gain

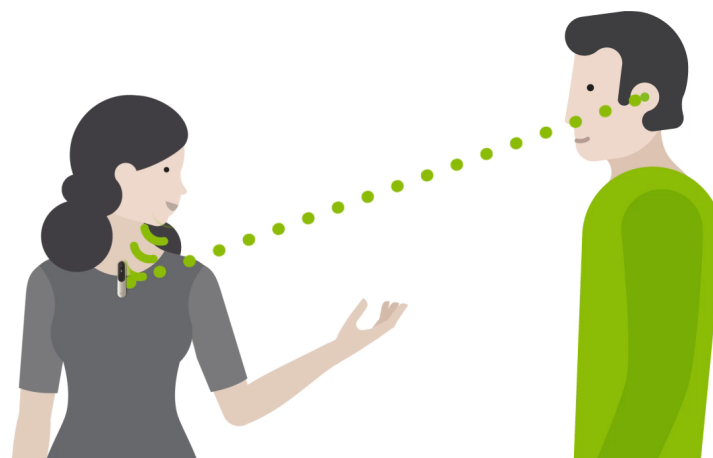
Microphone beamformer in
remote microphone program

roger



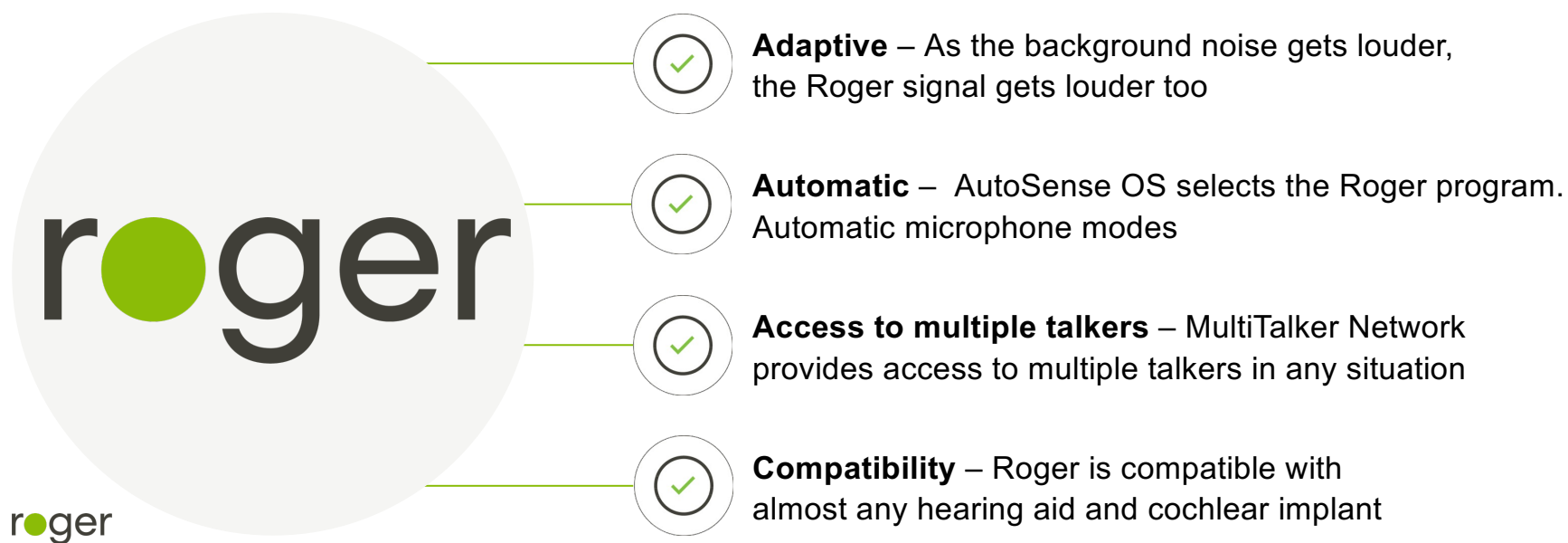
How does it work?

Picks up the voice and transmits speech directly to a hearing instrument



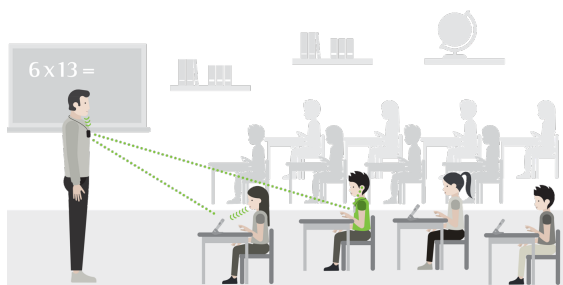
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How does it work?



In what kind of situations?

For all conversations in background noise and/or with a speaker at a distance



At school

to hear teachers and classmates in a dynamic classroom environment



At work

to hear colleagues in any meetings; virtual/face-to-face, large/small, spontaneous/scheduled



Socially

to be able to hear family and friends regardless of environment

Who is a Roger On candidate?

Teenagers and adults who are, or will be, wearing hearing aids or cochlear implants and still **struggle** to understand and **communicate in challenging situations**.



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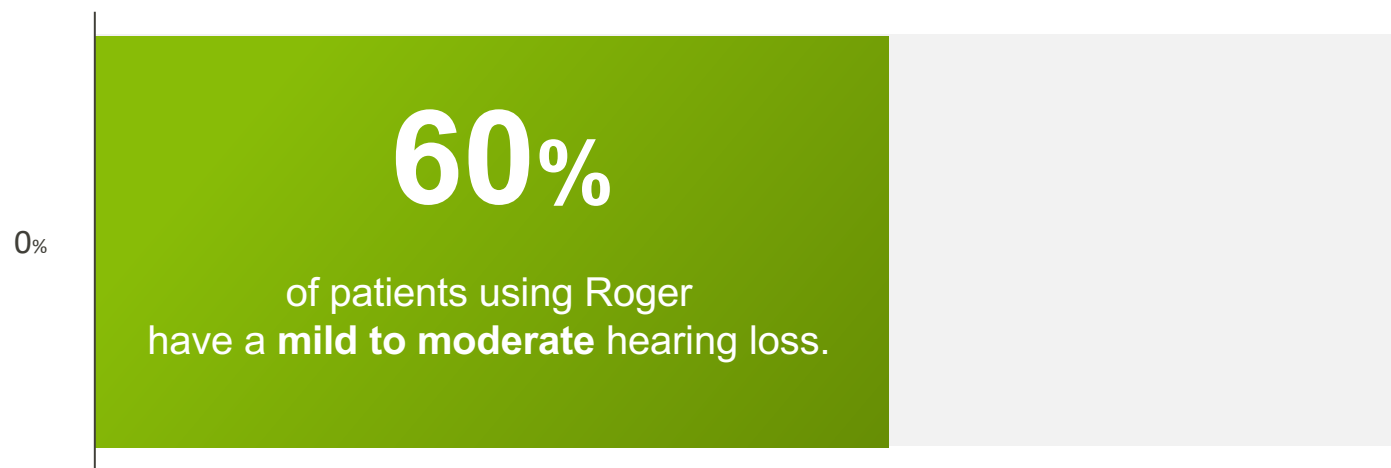
Total Communication Package



Immediate consideration of remote microphones

Remote microphone technology should be considered at the same time as selection of hearing aids and/or cochlear implants.

Not just for some hearing losses



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Senn, M., Baney L., (2018). An analysis of programs Roger Pen distribution across hearing loss - *Phonak Target Fitting Data*. Unpublished data. Contact claims@phonak.com if you are interested in further information.

Roger
microphones/transmitters

Roger for education



Roger for
home/adults



Roger receivers
roger



Roger
microphones/transmitters

Roger for education



Roger for
home/adults



Roger receivers
roger



RogerDirect™ Easy access to even more hearing performance¹

No external receiver
needs to be attached

Direct streaming to
Marvel, Paradise, and Lumity
hearing aids



Up to

42%

smaller*

On average

27%

less battery
consumption*

All Audéo and BTE models
are Roger compatible

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¹ Thibodeau, L. (2014). Comparison of speech recognition with adaptive digital and FM wireless technology by listeners who use hearing aids. American Journal of Audiology, 23(2), 201-210.

* with RogerDirect compared to the previous generation with Roger 18.

RogerDirect™ status

Phonak Target 8.1.1 File Fitting eService Help

Client Instruments Audéo L90-RL (M) Fitting Calm situation (q)

Feedback & real ear test AudiogramDirect Global tuning

HEARING AIDS

R: 2232N0G5V
L: 2232N0G5W

ROGER RECEIVER

R: (02) installed
L: (02) installed

SERVICES

Reports...
Check warranty
Available apps
Phone compatibility
Hearing aid support
Accessory support

Connect

SN: 2232N0G5V (FW: 1.0.6.0)
Roger receiver: (02) installed
Not connected

Behavior Standard Streaming Phone call

SHORT PRESS

Volume
±10 dB (±5 steps)

LONG PRESS

Program change
AutoSense OS 5.0 (Startup)
Button down has same function

DOUBLE TAP

R: Start/stop voice assistant
L: No function in Standard

BUTTON FUNCTIONS

☒ Volume
☒ L/R sync (QuickSync) (i)
☒ Program change
☒ Accept/end call
☐ Mute/unmute mic (not for phone call)

TAP CONTROL (i)

☒ Accept/end call
☒ Pause/resume streaming
☒ Start/stop voice assistant
Training & sensitivity...

Manual controls Bluetooth Signals & alerts Startup

Versatility in your patients' hands:

1

One microphone to
suit all situations:

Group discussion
Distant talker
Handheld style
TV / Music

roger streaming

2

3



Roger On/On iN

PHONAK
life is on

Display

- Microphone mode
- Device status
- Battery status

Three microphones in a triangle

- MultiBeam 2.0 Technology

Three microphones in a row

- Pointing mode 2.0

Button

Two colors

- Champagne
- Graphite grey

On/off

- Clear indication of on/off

Clip

Charging

- USB-C
- 8 hours usage
- 3 hours charging



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Automatic switching to the situation:



Table mode
with MultiBeam 2.0 Technology



Pointing mode 2.0
with three built-in microphones

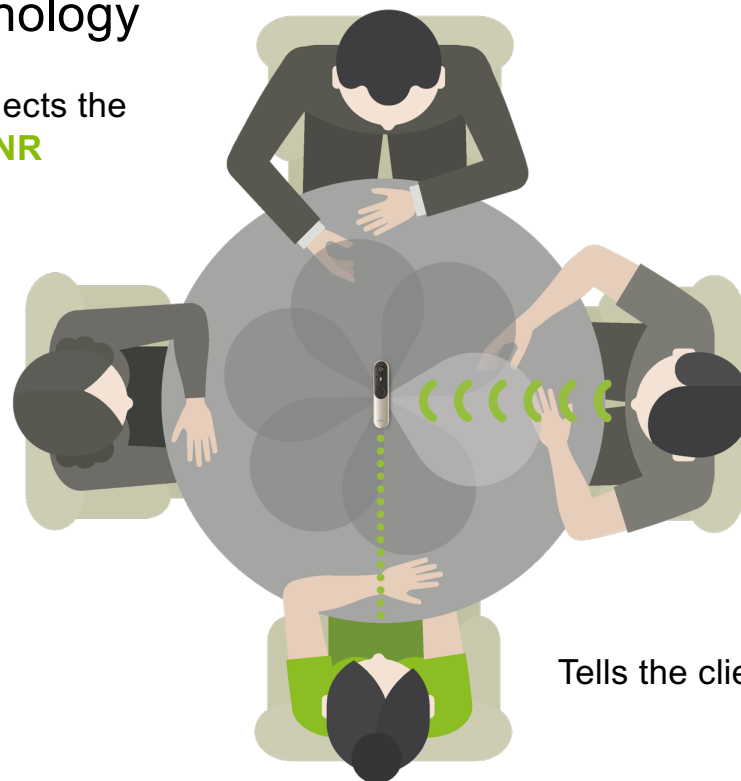


Presenter mode
with orientation independent
presenter mode

MultiBeam 2.0 Technology

MultiBeam 2.0 Technology* selects the microphone beam with **best SNR**

Left



Right

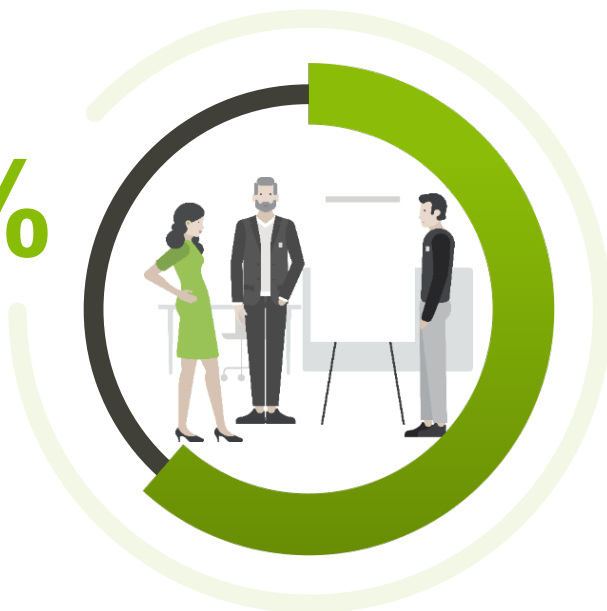
Tells the client the **direction of the speaker**

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*MultiBeam 2.0 Technology is only available when using hearing instruments with RogerDirect

MultiBeam Technology

61%



Speech understanding improves up to **61%** in a **group conversation** in 75 dBA of noise, compared to using hearing aids alone¹

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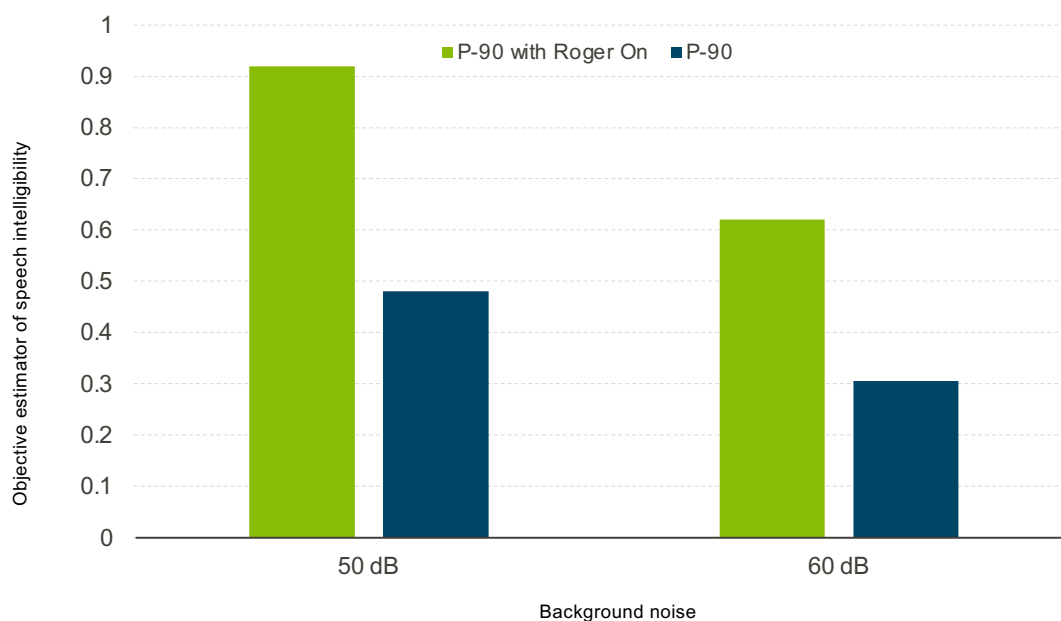
¹ Thibodeau L. M. (2020). Benefits in Speech Recognition in Noise with Remote Wireless Microphones in Group Settings. *Journal of the American Academy of Audiology*, 31(6), 404–411. <https://doi.org/10.3766/jaaa.19060>

Pointing mode 2.0

- Pointing mode 2.0 uses three microphones
- Well defined microphone beam
- Zoom in to a speaker in a conversation



Double the performance when using Pointing mode 2.0



Significantly better result
using Pointing mode 2.0
compared with hearing aids
alone in background noise
at 2 meters distance*

Orientation-independent in presenter mode

- Accelerometer activates upward pointing beam
- Equal speech quality is maintained independent of the position*

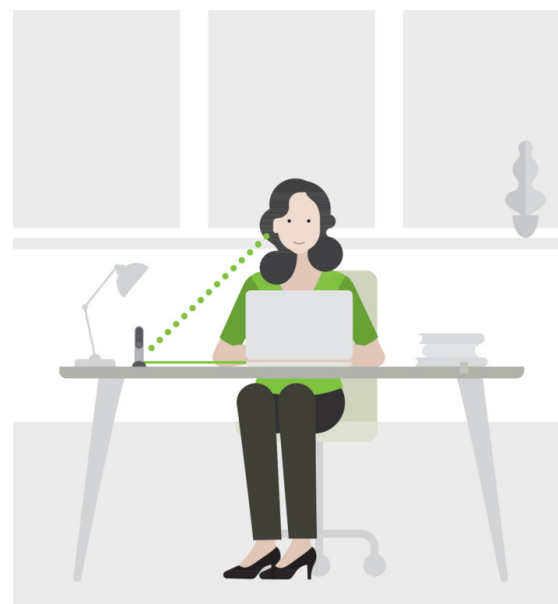




Streaming TV and Multimedia



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Versatility in your patients' hands:

1

One microphone to
suit all situations:

Group discussion
Distant talker
Handheld style
TV / Music

roger streaming

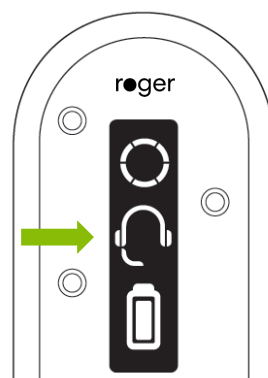
2

Complete solution
for online calls

3

Roger On™ V2

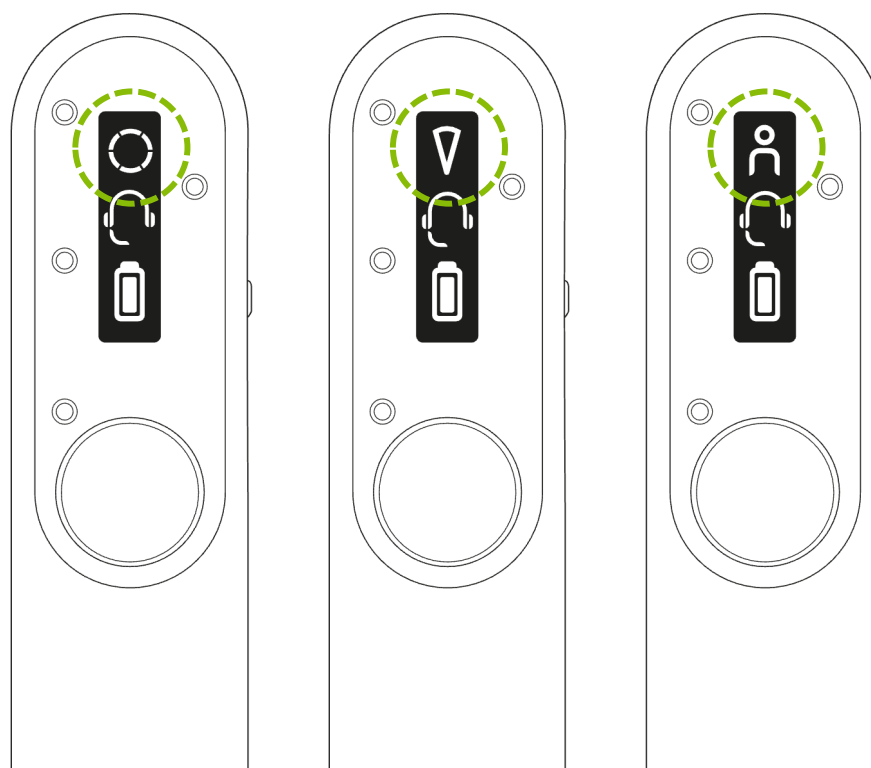
1. Headset mode - Roger On V2 can be used like a headset during online calls



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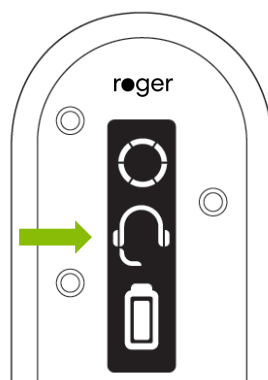


How to position Roger On during online calls



What's new in Roger On™ V2

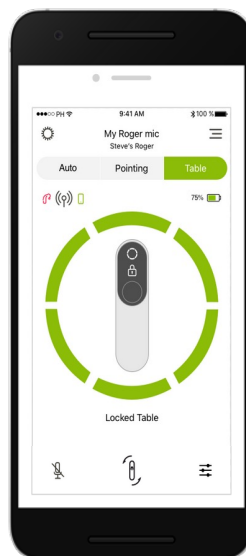
1. Headset mode - Roger On V2 can be used like a headset during online calls
2. Easy Roger demo and trial with the pre-installation of Roger receivers into all trial HIs
3. Docking station's volume indication



App to personalize

With **myRogerMic app** you can:

- Steer microphone beam
- Change microphone mode
- Mute and unmute
- See microphone status
- Save custom modes



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Not just for some hearing aids

Versatility in your patients' hands:

1

One microphone to
suit all situations:

Group discussion
Distant talker
Handheld style
TV / Music

roger streaming

2

Complete solution
for online calls

3

Compatible with
virtually all hearing
aids and cochlear
implants

<https://www.phonakpro.com/com/en/roger-configurator.html>

PHONAK
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Roger Configurator

Start Over

Hearing Instrument

Microphone

Receiver

Configuration



Roger works with almost every hearing system on the market. This tool makes it easy to find the equipment you need and creates customized set up instructions for your client.

Choose a Hearing Instrument

Select a product



Select a product family



Select a model



Get Started

Roger NeckLoop

Brings conversation closer



Roger NeckLoop

A universal receiver for all clients

- Children over 8 years old
- Students in higher education
- Adults in work life
- Seniors



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Roger NeckLoop

**Roger NeckLoop can be used with all
hearing instruments with T-coil**



- Hearing aids
- Cochlear implants
- BAHA

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Roger NeckLoop features

Detachable neck loop

- Available two lengths, 60 and 80 cm

On/off

- Clear indication of on/off

Two-sided housing

USB-C

- Charging
- Digital output

Battery

- Indication for battery status
- Up to 10 hours use, 3 hours charging

Volume control

Display

- Volume setting
- Connection status



Roger NeckLoop for non-Phonak hearing aids



of the test participants preferred using a Roger system* compared with hearing aids alone.¹

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Phonak Field Study News

Speech improvement using Roger NeckLoop with different brands of hearing aids

The benefits of Roger technology for speech intelligibility in noise and over distance are well-established. However, just a small percentage of that research has examined the impact of using Roger technology with non-Phonak hearing aids. In a new study, Roger NeckLoop and Roger Table Mic II were combined with hearing aids from three different manufacturers. Results of objective and subjective testing demonstrated a significant advantage for Roger use with non-Phonak hearing aids in noise and over distance than hearing aids alone.

Anna K Lejon & Chase Smith, AuD / January 2021

* Roger system = Roger NeckLoop and Roger Table Mic II.

¹ Lejon K. A. & Smith C. (2021) Speech improvement using Roger NeckLoop with different brands of hearing aids. Phonak Field Study News retrieved from <https://www.phonak.com/en-us/professionals/audiology-hub/evidence-library>, retrieved April 27, 2023.

Roger Focus II

Ear-level receiver for:

- Auditory Processing Disorder
- Functional hearing loss
- Hearing over distance
- Autism
- Dyslexia
- English Language Learners
- ADHD
- Unilateral Hearing Loss
 - Fit on normal hearing ear

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- NOT a hearing aid
- Available in 312 battery & rechargeable models
- Can be used with any Roger microphone
- Couples via slim tube and open domes
- Volume button with locking feature
- Indicator light & tamperproof battery door option



- 

The Foundation: Americans with Disabilities Act (ADA)



- The Americans with Disabilities Act of 1990 or ADA is a civil rights law that prohibits discrimination based on disability.
- Federal employees also protected by Rehabilitation Act of 1973; FEHB
- Allows for “reasonable accommodations” to be made upon request, in the workplace
 - ***Employer*** pays for the accommodation
 - **ADA law applies for businesses of 15 or more employees**

When/who should I discuss RA with?

- RA can be discussed with any patient employed by a company 15 or greater.
- Case history indicates they are still struggling to hear/communicate at work.
- New HA patients should be introduced to the concept during their first hearing aid consultation, and preferably given a demo of Roger at the first fit or initial consult.
- At a minimum ALL employed patients should know the ADA law exists.
- Even if they don't act on it now, educate them on their options.

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Reasonable Accommodation

5 steps to Reasonable Accommodation:

1

Determine which Roger solution is best for your patient.

- Use the Roger Easy Guide found by scanning the QR code below

2

Trial the prescribed Roger set-up at work.

- Nothing trumps real world experience – encourage your patient to test their mic setup and make changes if needed

3

Download a templated accommodation request letter.

- Patient downloads and submits accommodation letter/request to their HR manager or line manager

4

Set appointment to fit prescribed Roger solution.

- After accommodation is agreed upon between patient and employer, fit the Roger solution

5

Provide a copy of the invoice to employer or copy of paid receipt for reimbursement (whichever is agreed upon with employer).



Demonstrate the Roger benefit

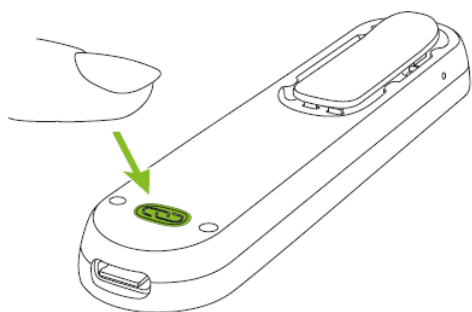


All Sky M (received after 8/10/22), Paradise, and Lumity Trial devices have Roger receivers pre-installed

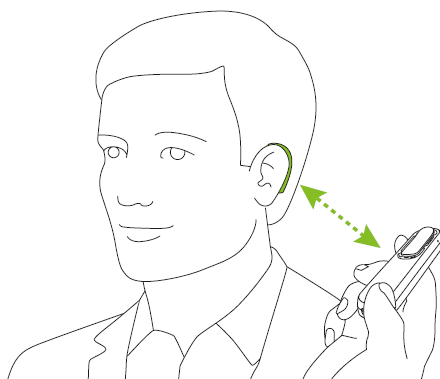
roger

How to pair Roger On

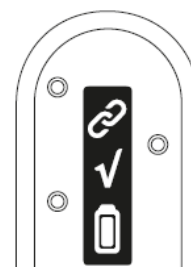
Hearing aid(s): On
Roger On: On
Push connect button



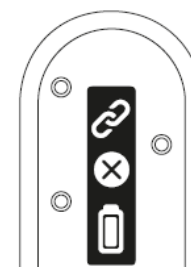
4" from the hearing aid



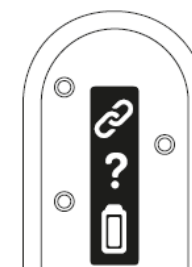
Confirm connection on Roger On



Connect
successful



Receiver not
compatible



No receiver found,
go closer



What do you want to highlight during your Roger demo?

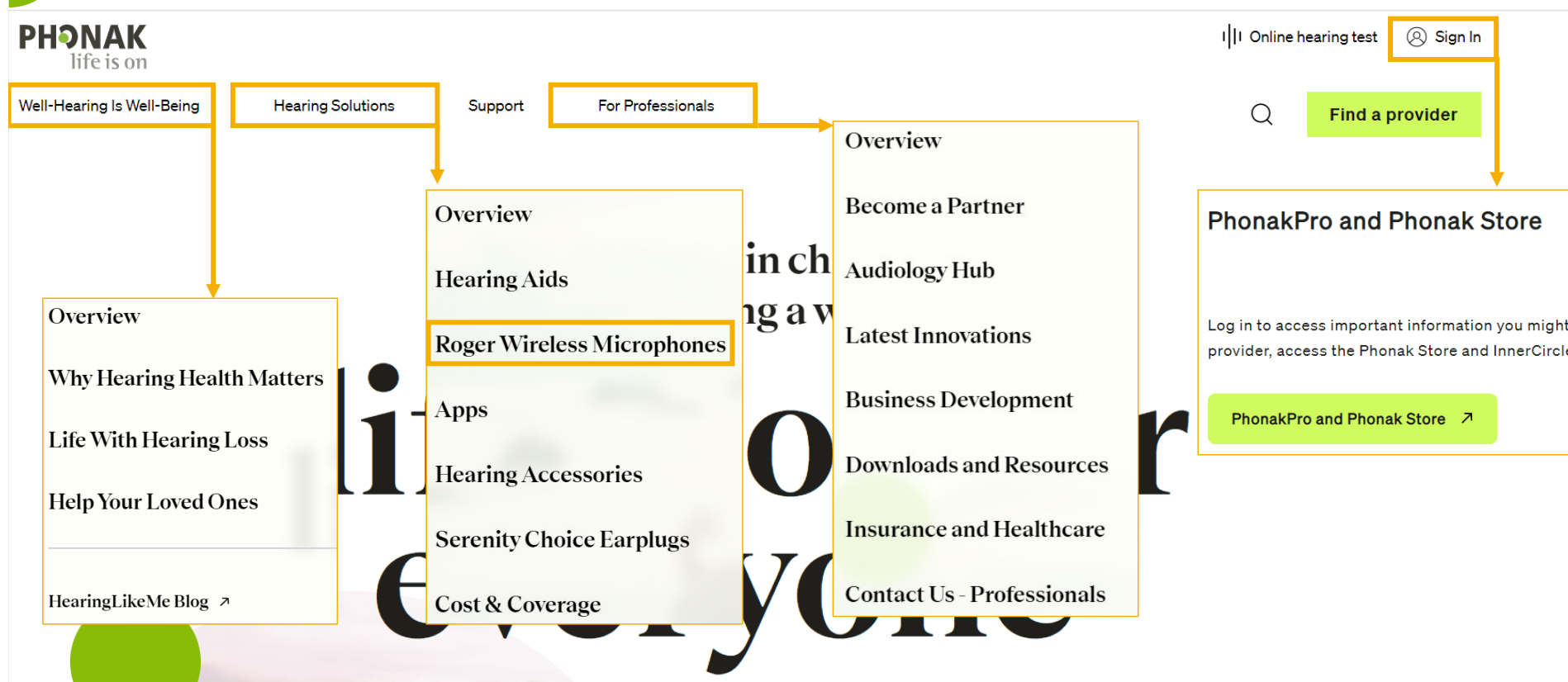
One on one conversation over distance

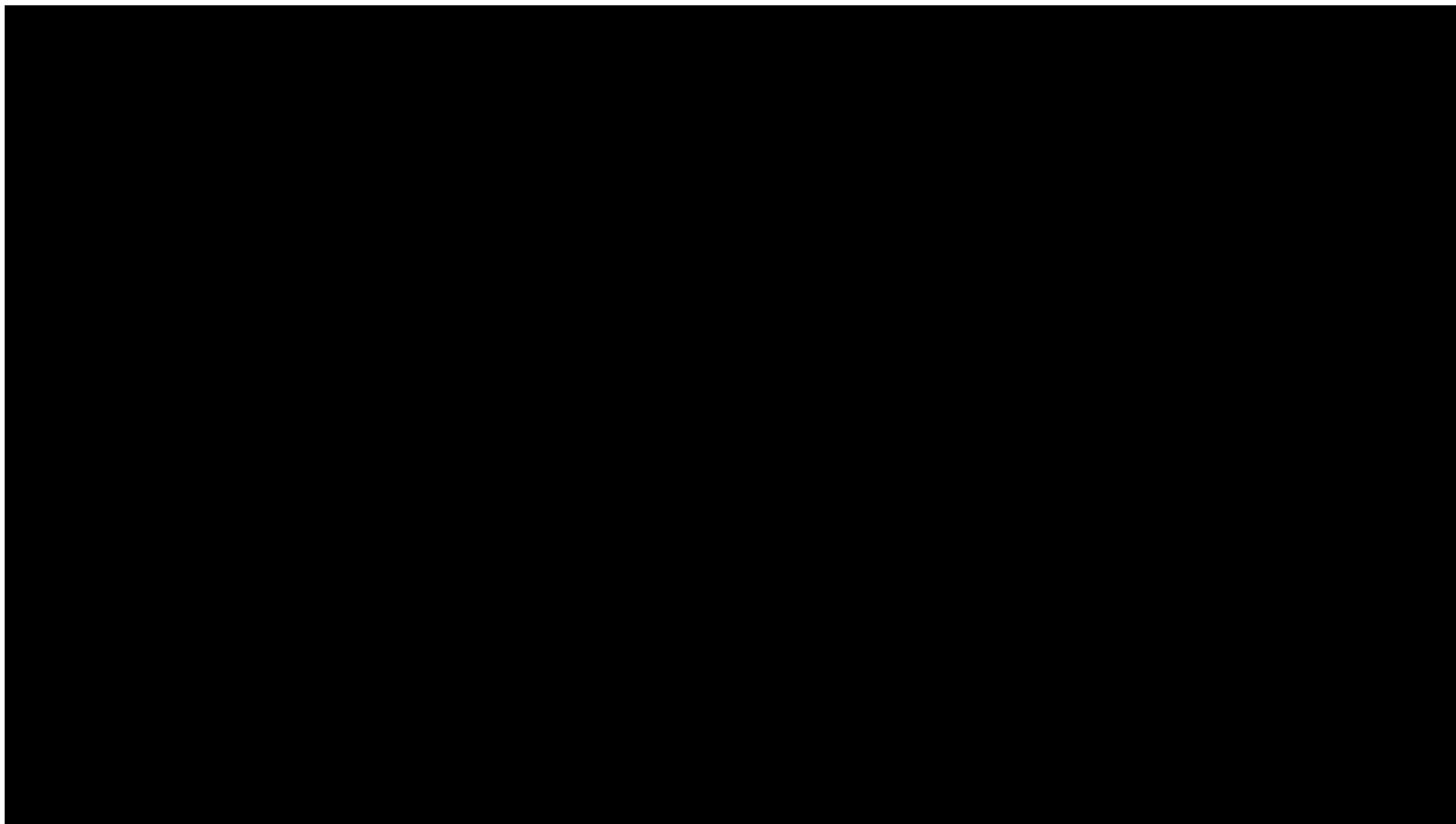
Group conversation in background noise

Pointing mode

Media streaming

Resources at your fingertips: Phonak.com







Together, we
change lives