

Tips and Tricks and Treats: Fitting Success with ReSound Nexia

Jill Mecklenburger, Au.D

Principal Audiologist

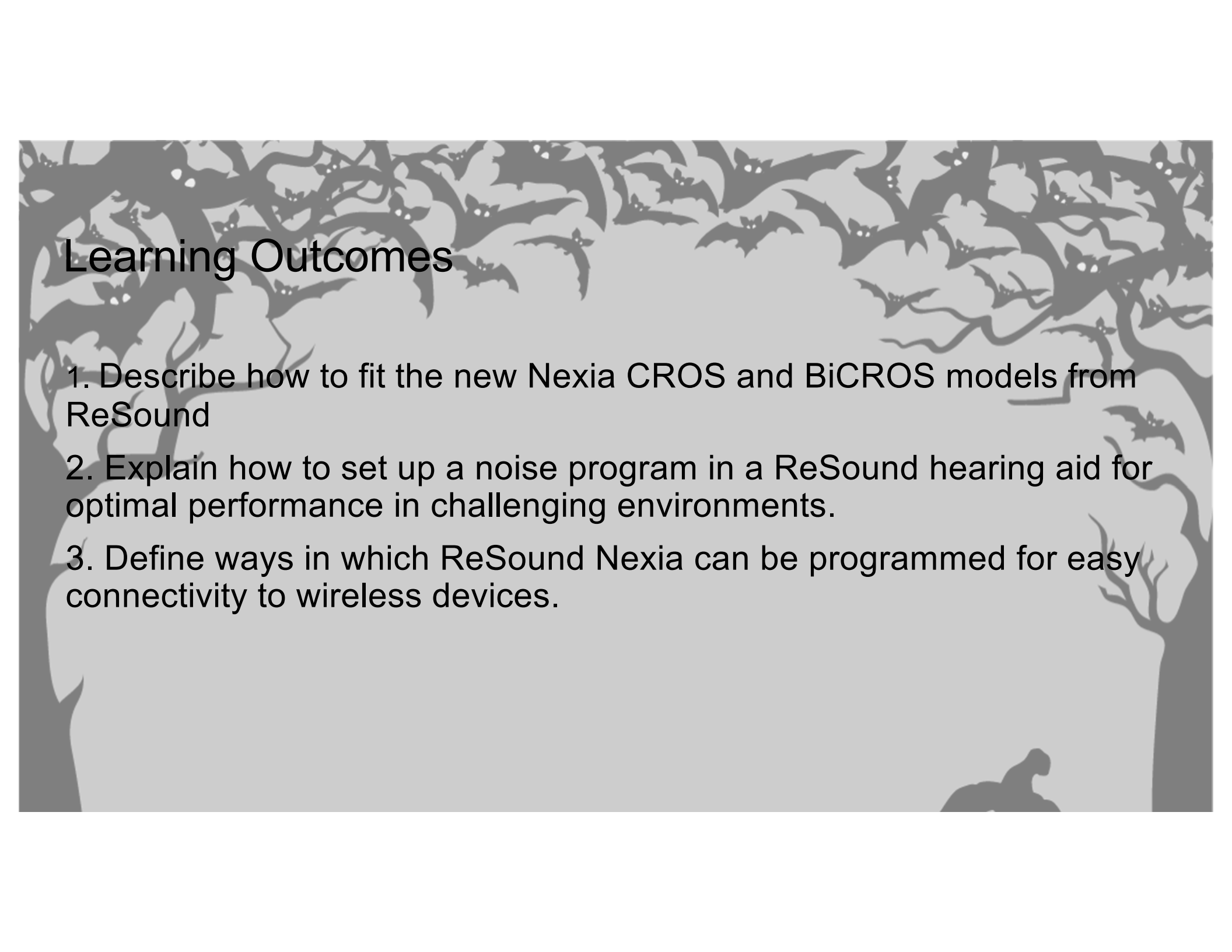
Tammara Stender, Au.D

Director, External Relations

Global Audiology, GN Hearing

Webinar FAQs

- **How to ask a question:**
 - Click Q&A, type your question and Send.
- **Where to get the handout:**
 - Download from Pending Courses
 - Or Click on link from Chat
- **How to view captions:**
 - Click Live Transcript CC button
 - Click Show Subtitle
- **How to earn CEUs:**
 - After the webinar, go to your Pending Courses and pass the multiple-choice exam.
- **For assistance or tech support:**
 - Call 800-753-2160
 - customerservice@audiologyonline.com
 - Use the Q&A window

The background of the slide is a dark gray with a repeating pattern of stylized white bats flying across the top and sides. There are also silhouettes of trees and a small figure in the bottom right corner, contributing to a Halloween or spooky theme.

Learning Outcomes

1. Describe how to fit the new Nexia CROS and BiCROS models from ReSound
2. Explain how to set up a noise program in a ReSound hearing aid for optimal performance in challenging environments.
3. Define ways in which ReSound Nexia can be programmed for easy connectivity to wireless devices.

Agenda

- Intro to ReSound Nexia
- Fitting CROS and BiCROS
- Programming for Hearing in Noise
- Setting up ReSound Nexia for LE Audio Connectivity
- More Tips and Tricks and Treats!

ReSound GN



ReSound
Nexia

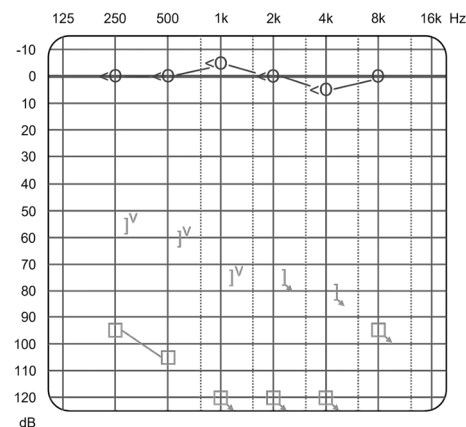
ReSound Nexia Highlights



- 1 Smallest RIE
Micro RIE



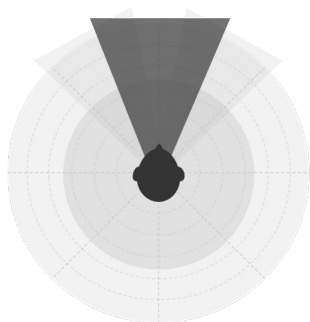
- 2 CROS/BiCROS



- 3 First Time User
Onboarding



- 4 Unmatched Directionality

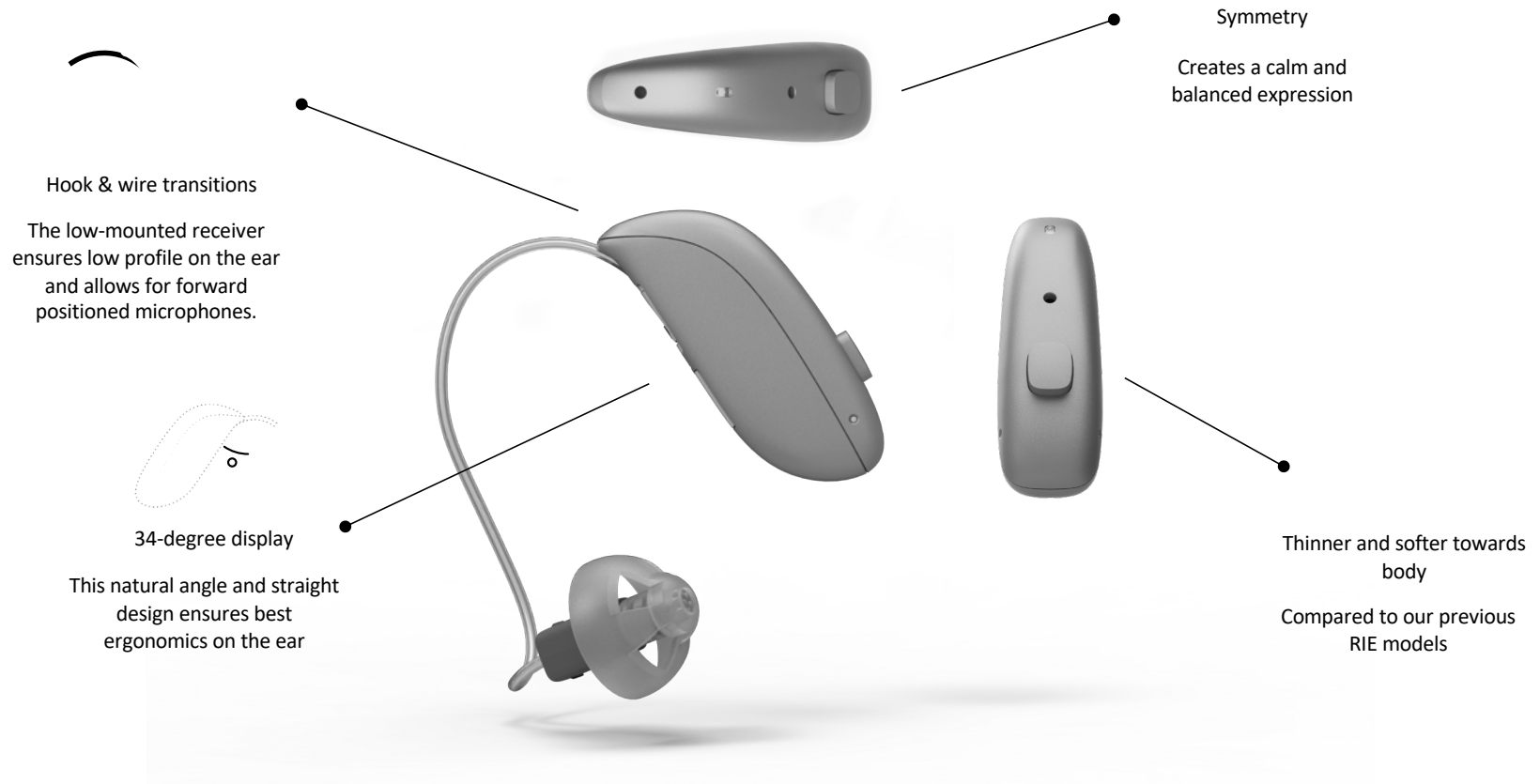
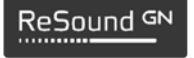


- 5 The Future of Connectivity

 **Bluetooth®**
Bluetooth® LE Audio
 **AURACAST**
A BLUETOOTH® TECHNOLOGY



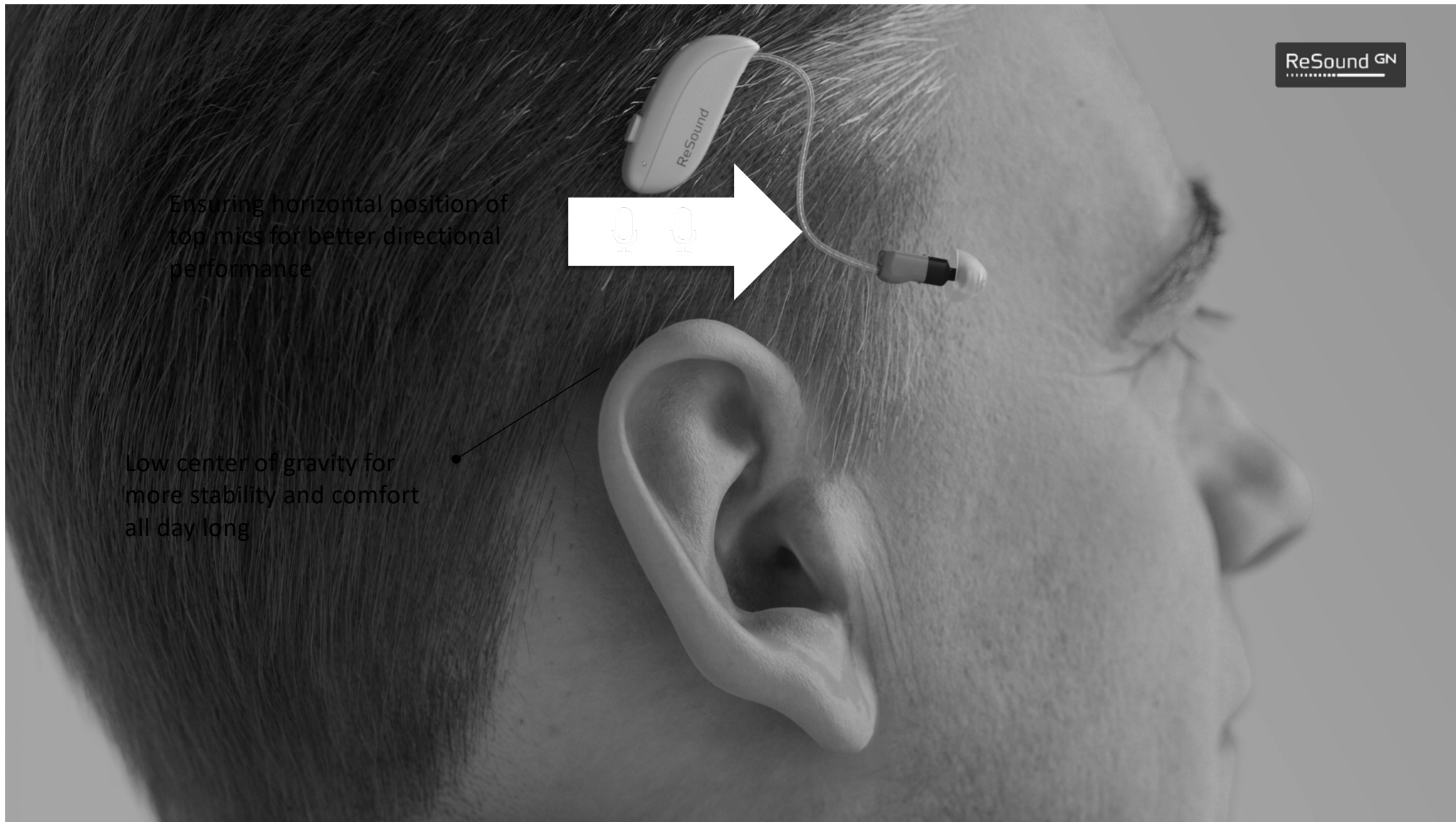
Our most organic design for highest comfort and performance all day long



Ensuring horizontal position of
top mics for better directional
performance



Low center of gravity for
more stability and comfort
all day long



New First Fit to Optimize Comfort

95% of first-time users
report challenges
getting started



Immediate acceptance is
important to acclimate



New hearing aid users
need an adjustment
period

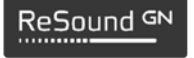


ReSound Smart Fit 1.17

Onboarding your patients
has never been easier



New user profile for patients who prefer a more comfortable sound experience at first fit

A screenshot of the ReSound software interface. The top navigation bar includes tabs for "Patient", "Instrument Set-Up", "Gain Adjustments", "Advanced Features", "Device Controls", and "Final". Below this, a sub-navigation bar shows "Profile", "In-Situ Fitting", "Data Logging", and "ReSound Assist". The main content area is titled "Prescribed First Fit" with an information icon. It contains three dropdown menus: "Target Rule" set to "Audiogram+", "Experience Level" set to "First Time User - Onboarding" (with a sub-note: "Focus on comfort across all input levels & most comfort in noise"), and "Gain Level (%)" set to "70%". At the bottom, there is a checkbox labeled "Recalculate Target Curves Only" with a sub-note: "Check to keep existing gain curves. Best to view new target curves while preserving fine tuning."

First-time User - Onboarding

Sets gain level to 70% of the prescribed target level, reducing overall loudness.

Sets "Impulse Noise Reduction" in Advanced Features to "moderate"

Replaces the profile "Comfort User", now with a more significant reduction in perceived loudness

Fitting Patients with Single Sided Deafness (SSD)

SSD: the significant or total loss of hearing in one ear

Main consequences



Hearing speech from the impaired side



Poor sound localization



Understanding speech in noise



Auditory fatigue



ReSound GN

Normal hearing
(PTA $\leq$ 25 HL)

Severe or worse
(PTA $>$ 70 HL)

Did you know?

In USA, the prevalence of SSD is estimated at 0.14%, which is nearly 350,000 people

New CROS transmitter

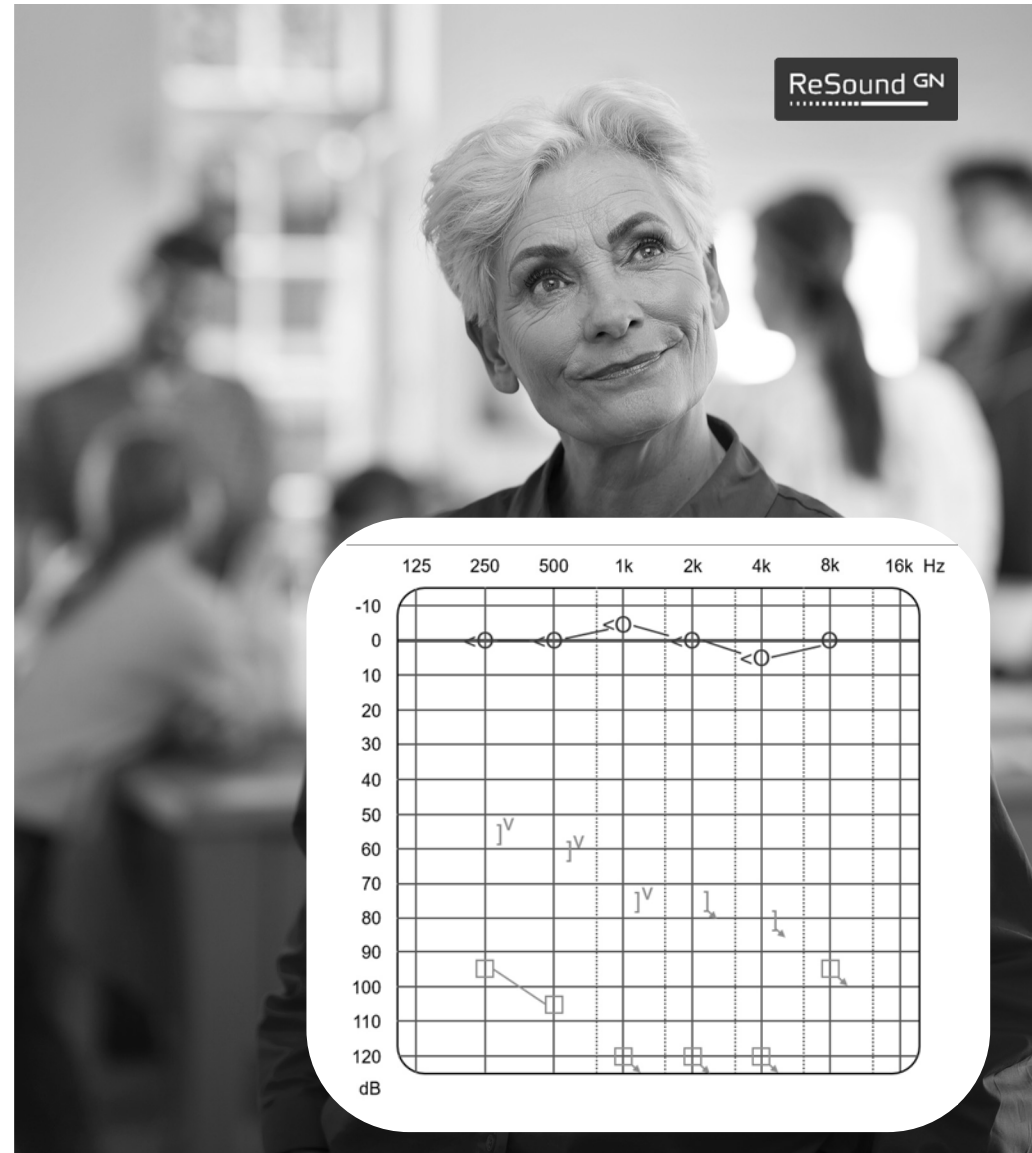


CX160S-DRWC



16h
Battery life when
streaming audio to
the opposite ear

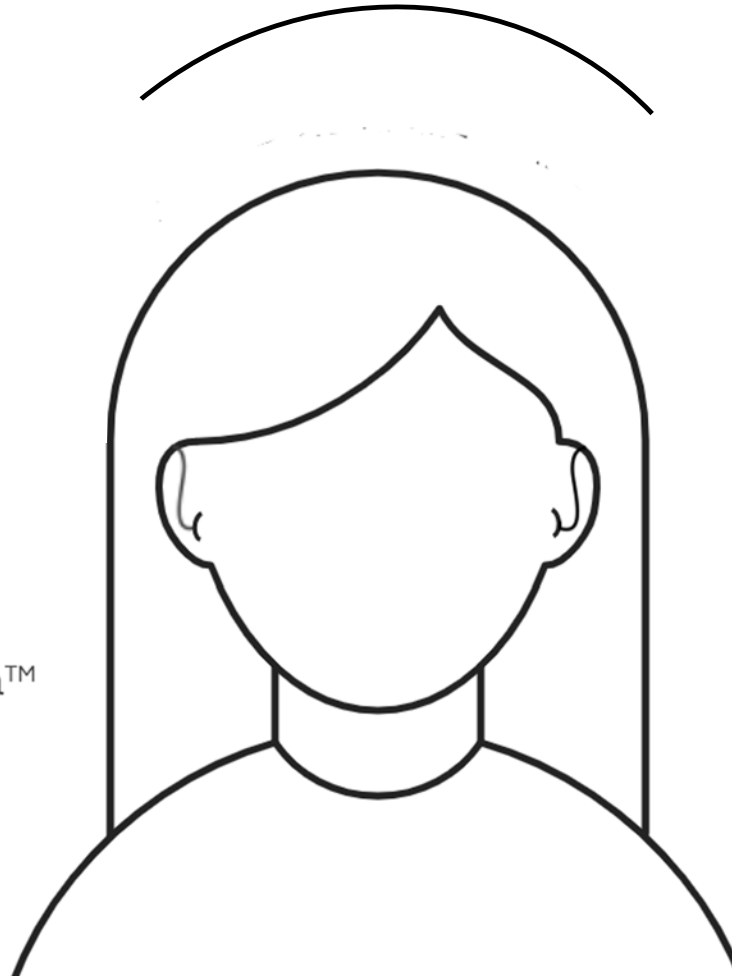
Works with LP, MP and HP receivers



Contralateral Routing of Signal CROS

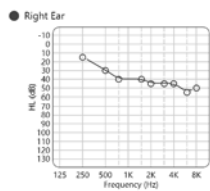


ReSound Nexia™



ReSound Nexia™
CROS Transmitter

Bilateral Contralateral Routing of Signal BiCROS



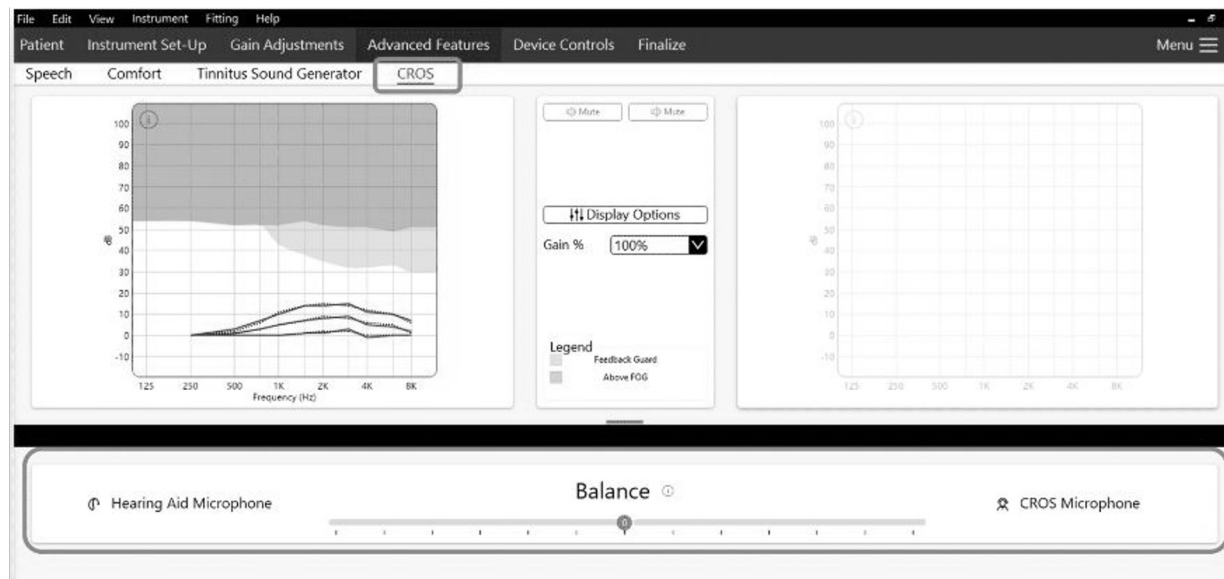
ReSound Nexia™



ReSound Nexia™
CROS Transmitter

Tips for Fitting CROS/BiCROS

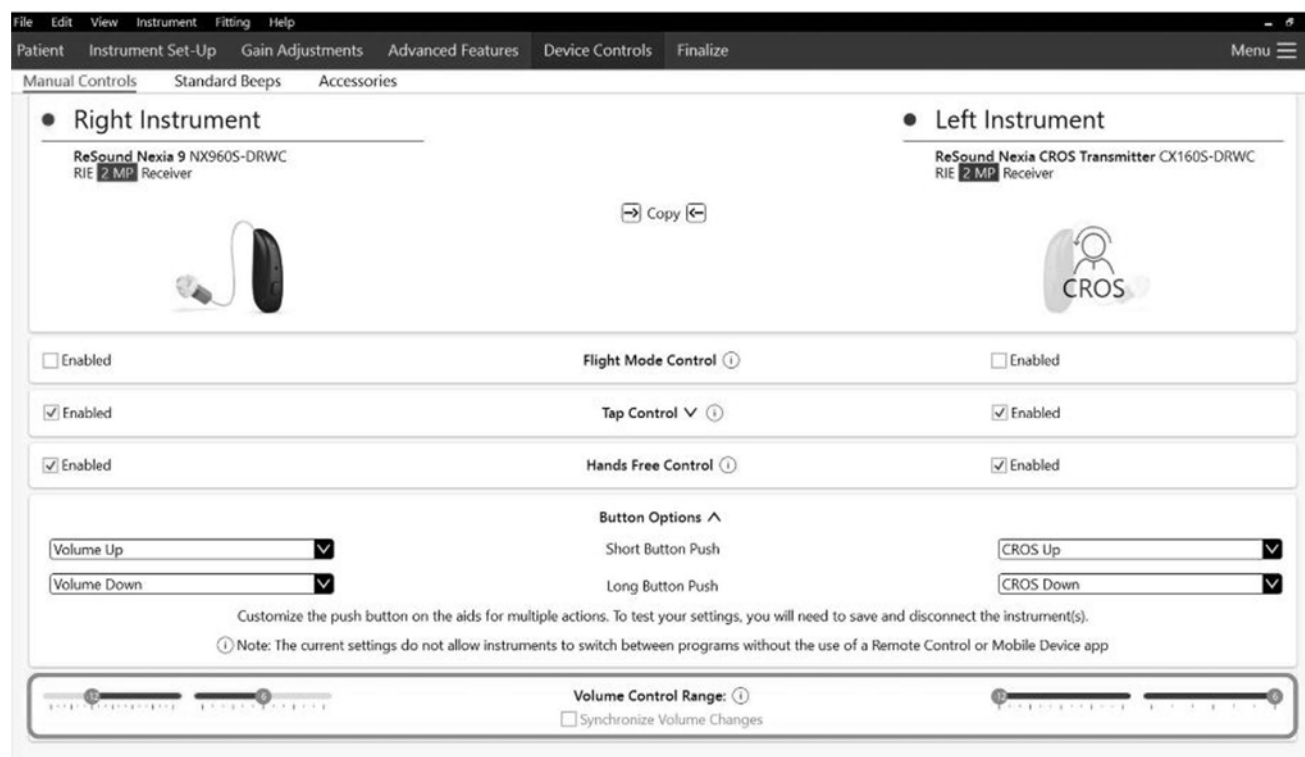
- Devices show up in SmartFit as Nexia and Nexia CROS transmitter
- For BiCROS fitting, program the hearing aid/receiver side in the same manner as a standard fitting
- CROS balance control can be found in advanced features



Pro Tip: The mute button in SmartFit for the receiver side will mute the output (not the mic). For testing levels of with/without CROS, mute the transmitter side

Tips for Fitting CROS/BiCROS

- User balance adjustment might be needed in situations where the HA wearer wants to hear more or less from the CROS or BiCROS transmitter side
- In the Manual Controls screen, use the short and long button press options for CROS up/down functionality on the transmitter side, and volume up/down on the receiver side





Trick:

**Helping your
Patients Achieve
Optimal Hearing in
Noise!**

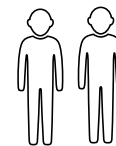
Hearing well in noise is still the biggest challenge for most



Hearing conversations in noise is the main reason for purchasing hearing aids¹



Following conversations in noise; Conversation at home with family; Talking on mobile phone are among the most important situations²



Nearly 1 in 3 Hearing aid users are unsatisfied with their ability to hear conversations in noise³

1. Manchaiah and colleagues, 2021

2. Picou, 2020

3. MarkeTrak, 2022



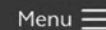
ReSound Smart Fit 1.17

Setting up a Noise Program in SmartFit



Patient Information ^

Patient Instrument Set-Up Gain Adjustments Advanced Features Device Controls Finalize



Speech **Comfort** Tinnitus Sound Generator CROS

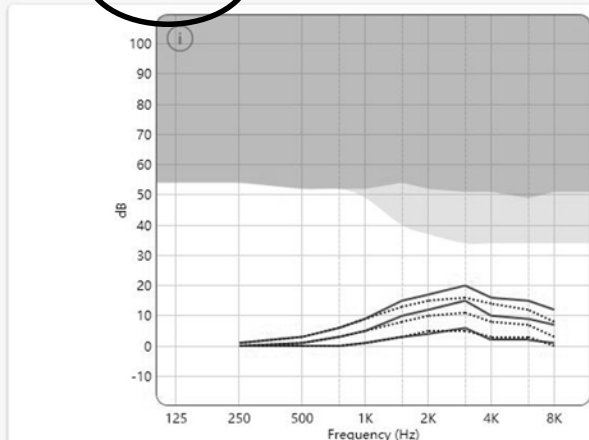
Nancy Nexia
Experienced - Non-Linear

Instruments ^

Noah... ⓘ

Right Connected Left Connected

Media Player v

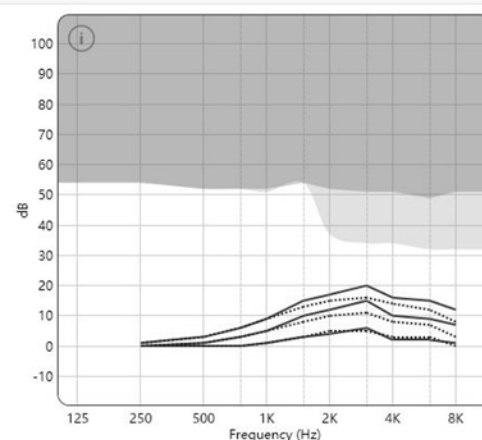


☒ Linked

Gain % ▾

Legend

- Feedback Guard
- Above FOG



All-Around Hear in Noise v ⓘ

Tools ⓘ

Off Mild Moderate Strong Music	DFS Ultra III ⓘ	Off Mild Moderate Strong Music
Off Mild Moderate Considerable Strong Per Environme... ⓘ	Noise Tracker II ⓘ	Off Mild Moderate Considerable Strong Per Environme... ⓘ
Off Mild Moderate Strong	Wind Guard ⓘ	Off Mild Moderate Strong
Off Mild Moderate Strong	Impulse Noise Reduction ⓘ	Off Mild Moderate Strong
Off Mild Moderate Strong	Expansion ⓘ	Off Mild Moderate Strong

ReSound GN

Download on the
App Store

GET IT ON
Google Play

9:41

Hear in Noise

Noise
filter

Speech
focus

Hear
everyone

Sound Enhancer

Home

Status

New Hear in Noise program

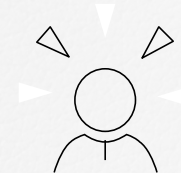
For clearer guidance when using the app



Restaurant



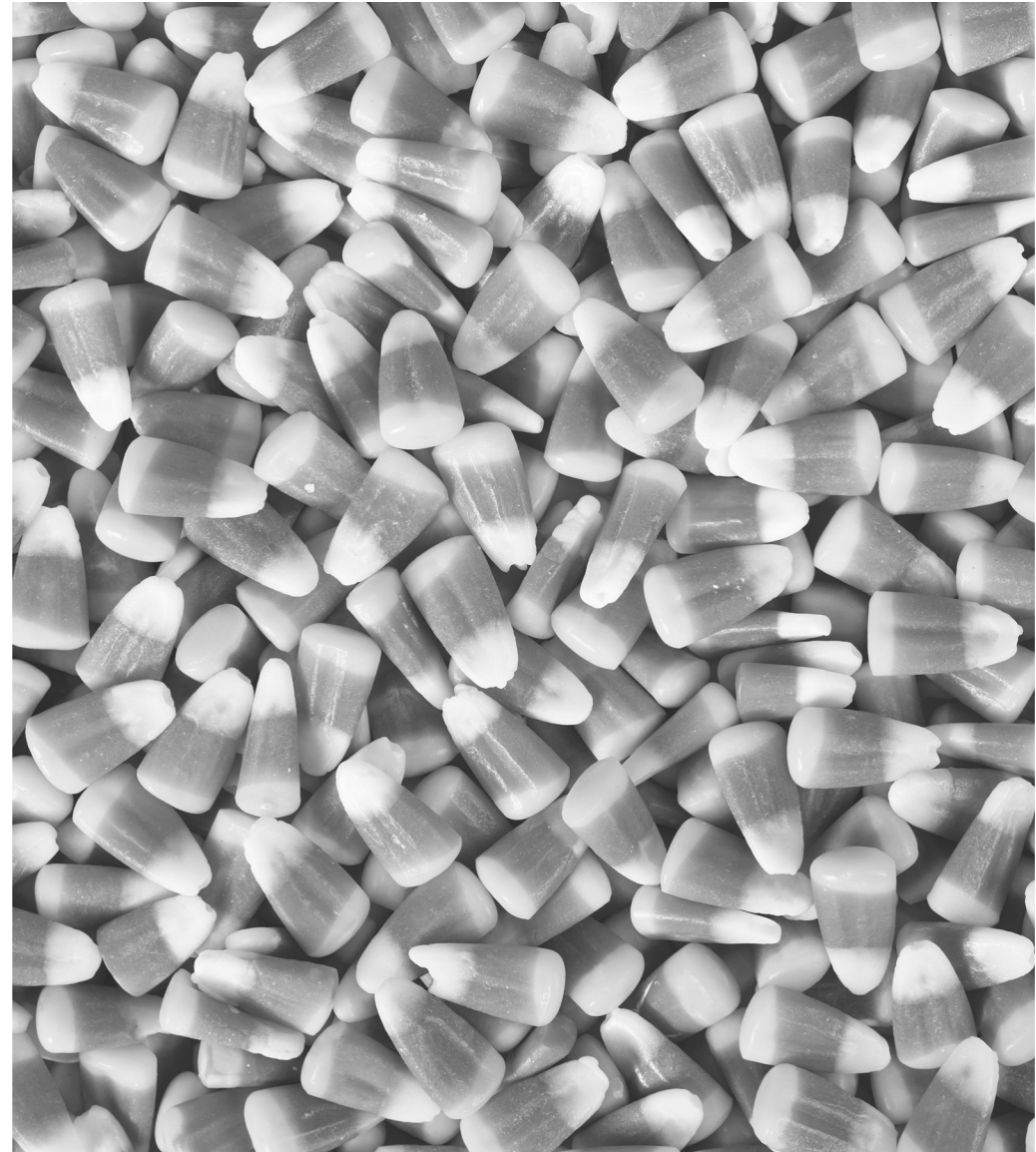
Ultra Focus &
Front Focus



Hear in Noise

Treat:

Set your patients up for
Bluetooth Low Energy
Audio Connectivity with
ReSound Nexia!



Bluetooth® LE Audio

Calls and streaming from device



Direct connectivity to smartphone, tablets and computers for calls and streaming using Bluetooth Low Energy

Broadcasting

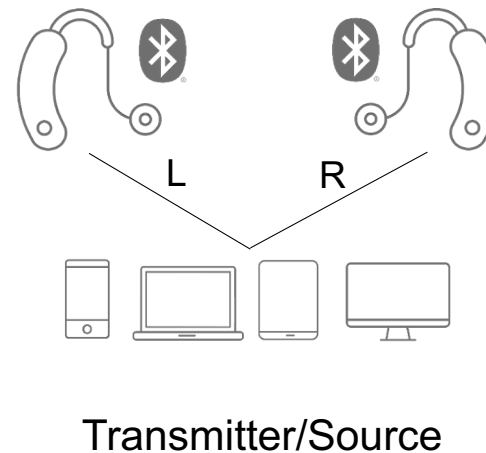


Stream sound to hearing aids using new TV streamer with Auracast technology and ready for Auracast Public Transmission

Bluetooth® Low Energy Audio for Hearing Aids

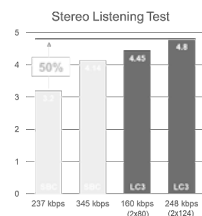
The Solution: Standardization

- New standardized profile for hearing aids (HAP)
- Better performance (quality, latency, power)
 - Low energy radio
 - New modern codec
 - Multi-streaming / binaural
- True, global interoperability
- More selection, choice, and accessibility



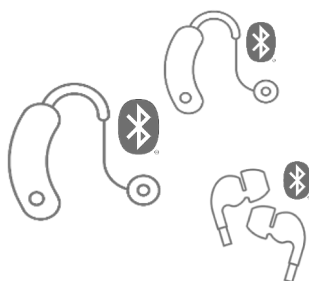
Bluetooth® LE Audio completed in 2022

New Modern Codec (LC3)



Higher Quality
Better Performance
Lower Power

Multi-Stream Support



Earbuds Standard
Binaural Hearing Aids
Seamless Voice Control

Standardized Hearing Aids



Better Performance
Lower Power
Global Interoperability

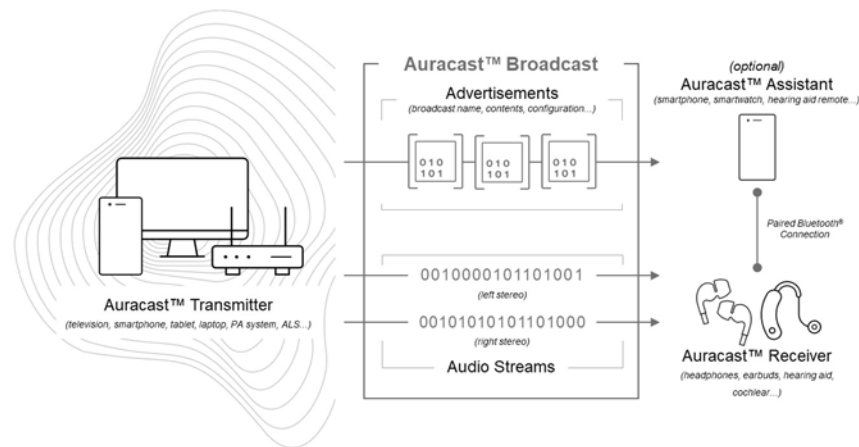
Broadcast Audio



Enhanced Listening
Next Generation
Assistive Listening
(and more)

Better Accessibility with Auracast

- The transmitter sends an information package in parallel with the audio signals
- The receiver (hearing aid) uses the information to connect to the audio signal
- A list of available streams can be found on a mobile phone

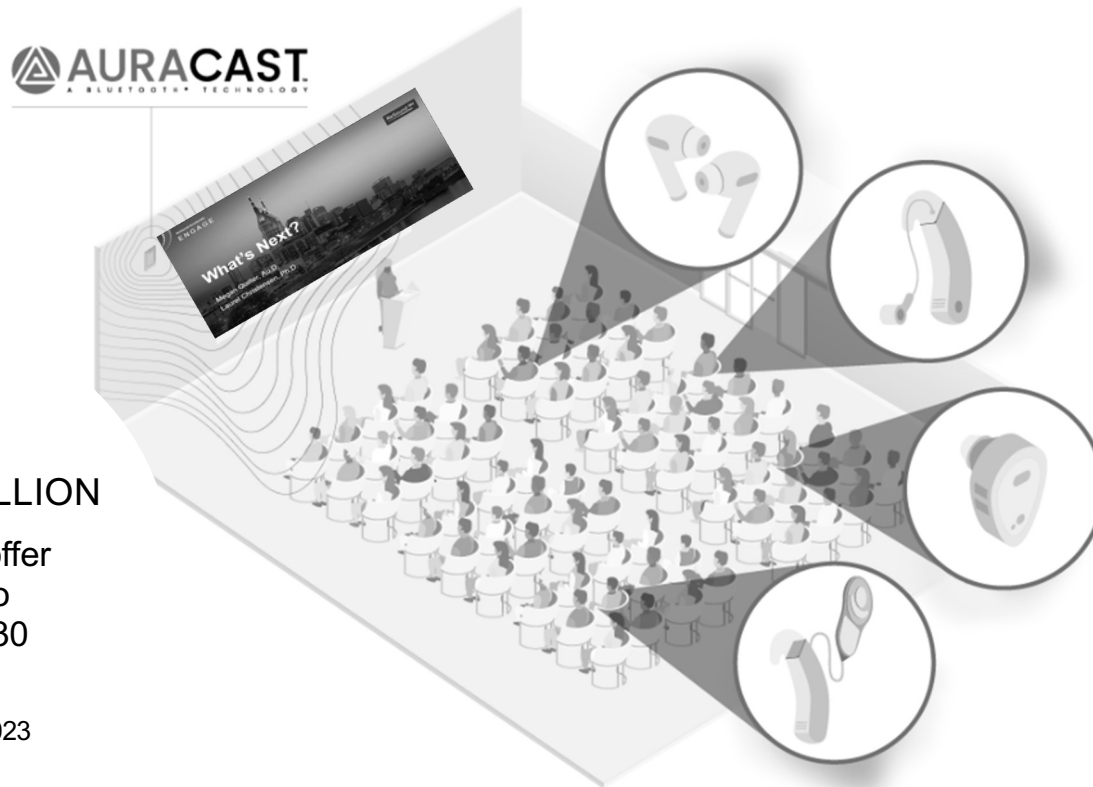


Broadcasting

2.5 MILLION

locations will offer
Auracast audio
globally by 2030

ABI Research, 2023



Bluetooth® LE Audio for all

Auracast™ broadcast audio is a Bluetooth® capability that will deliver great audio experiences for everyone - enhancing the way you engage with others and the world around you.



Share Your Audio

Shared listening and watching from your personal device



Hear Your Best

Public address and assistive listening



Unmute More of Your World

Public TV watching or immersive digital signage

TV Streamer +



Patient Information

Nancy
Nexia

Experienced - Non-Linear

Instruments

Noah... Connect

Right
Connected

Left
Connected



NX962-DRW
RIE 1MP Receiver

Mute



NX962-DRW
RIE 1MP Receiver

Mute

Media Player

« Collapse Sidebar

Patient Instrument Set-Up Gain Adjustments Advanced Features Device Controls Finalize

Menu

Manual Controls Standard Beeps Accessories



Pair New Generation Accessory



Pair Previous Generation Accessory

START CONNECTING



Learn More

TV Streamers Micro/ Multi/ Mini Mics Phone Clip Mobile Devices

Linked

Off Mild Moderate Strong

TV - Streaming
Bass Boost

Off Mild Moderate Strong

M=Access... -3db -6db -9db -12db Mute

Mic relative to TV
Streamer

M=Access... -3db -6db -9db -12db Mute

ReSound GN

Save

Auracast (public broadcast)
Capacity: Unlimited

Private (1:1) streaming
Capacity: 50 paired
devices

Did you know?

You can use the ReSound Smart 3D™ app to

- Update accessory software
- Turn off stereo sound
- Select public broadcast with Auracast, or private
- Adjust audiovisual delay



Three new pairing sequences



Pairing hearing aid(s) to phone



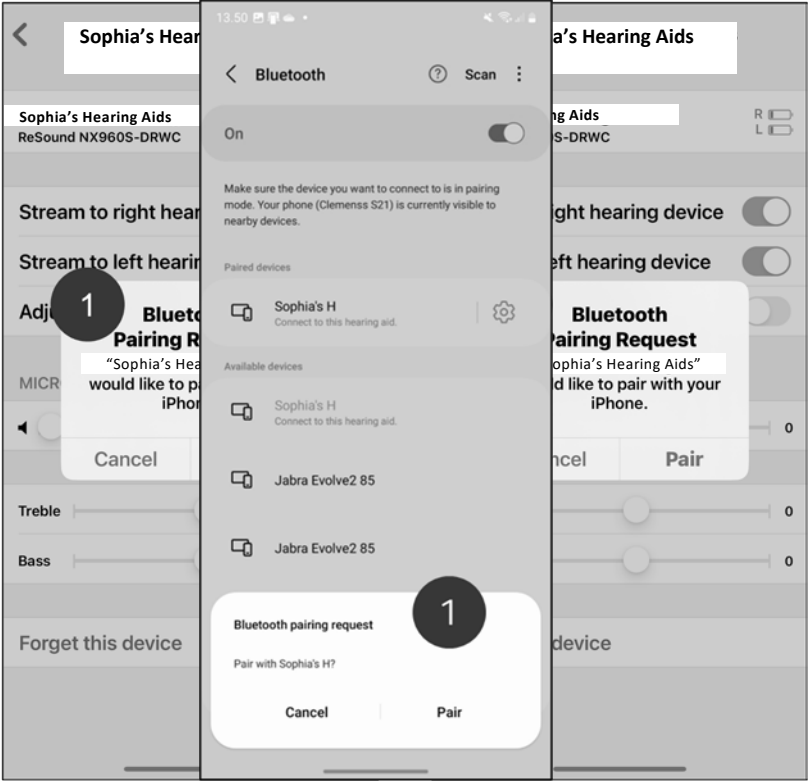
Pairing hearing aid(s) to TV-Streamer+



Pairing TV-Streamer+ to ReSound Smart 3D app



Pairing hearing aids to phone



Pairing hearing aid(s) to TV-Streamer+

New MagicPairing!



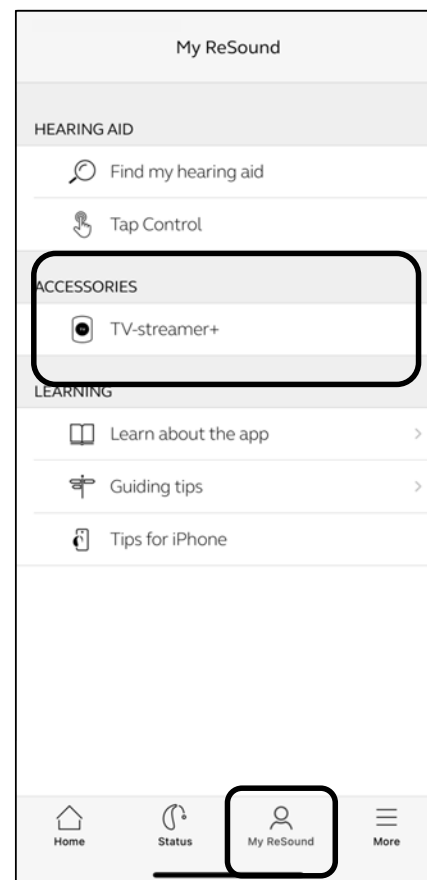
No hearing aid reboot required.

Pairing TV-Streamer+ to ReSound Smart 3D app



- More > Pair new wireless accessory
- Choose accessory
- Initiate pairing mode on accessory
- When accessory is found, tap OK
- Tap 'Pair' on native Bluetooth pairing prompt
- MagicPairing may be prompted
- Success is confirmed
- Tap Play button to stream
- Find accessory in My ReSound > Accessories

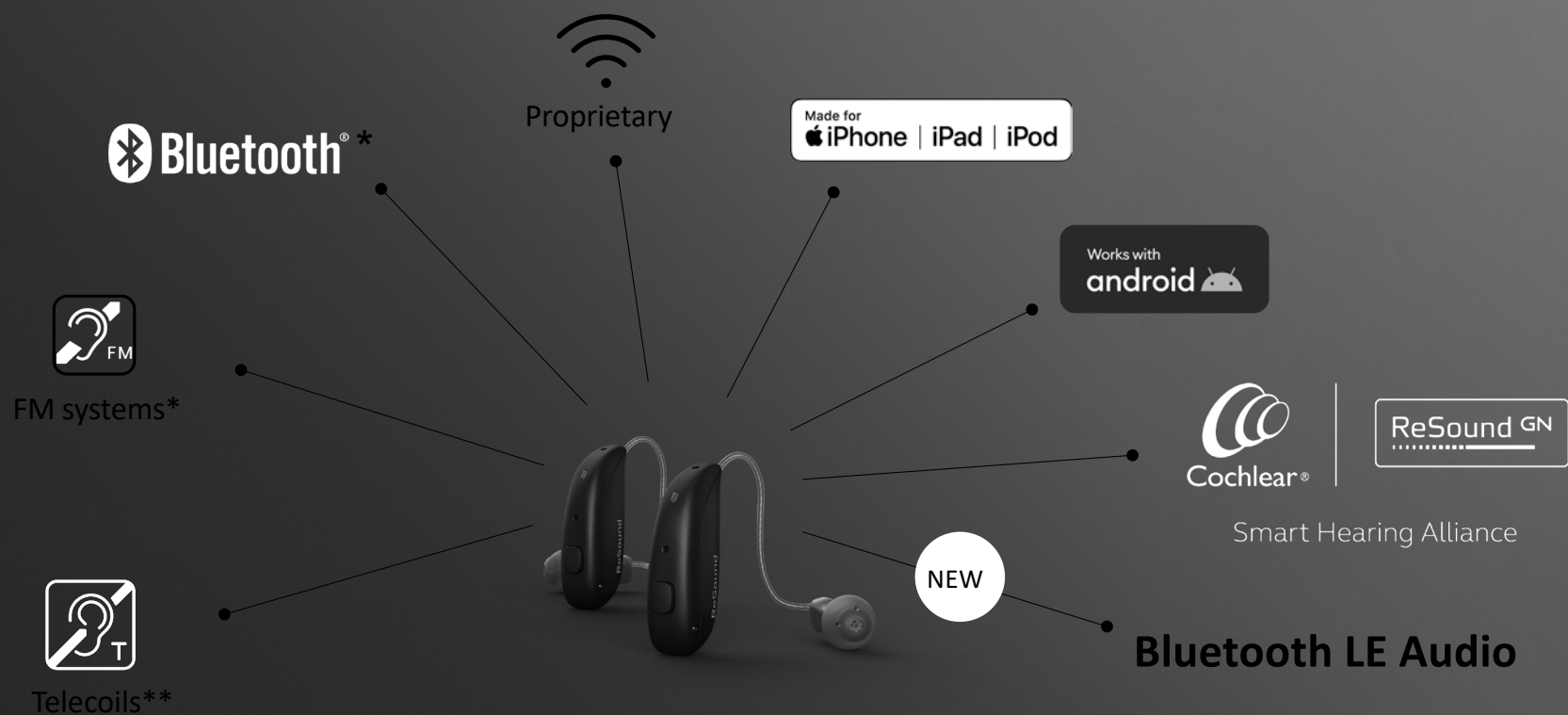
Note: Previous generation accessories cannot be paired in this manner.



Pairing TV-Streamer+ to ReSound Smart 3D app



ReSound Nexia: ready for the future



* With wireless accessory

** With wireless accessory or in selected models

The background is a solid light gray. It is framed by black silhouettes of tree trunks and spider webs in the corners. In the top-left corner, a spider is hanging from a web. In the bottom-left corner, a spider is on a web. In the bottom-right corner, a spider is on a web.

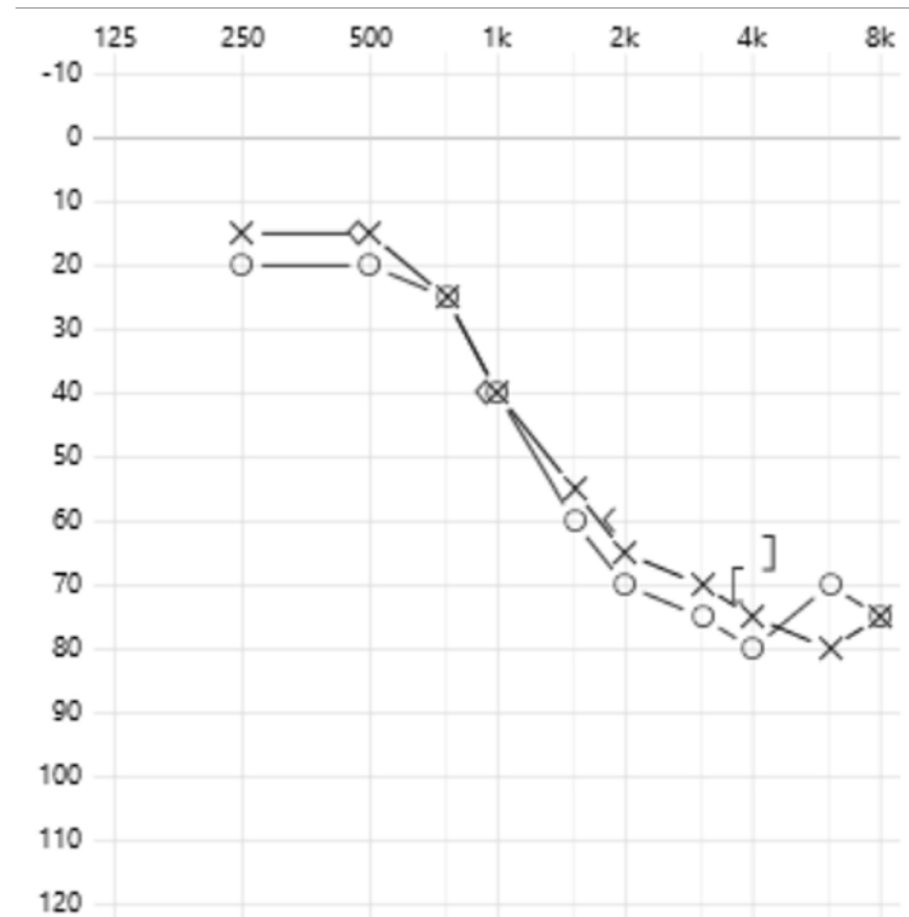
More Tips and Tricks and Treats!

Treat:

Practical Tips for
Receiver Power and
Dome Selection



Low,
Medium or
High Power
Receivers?

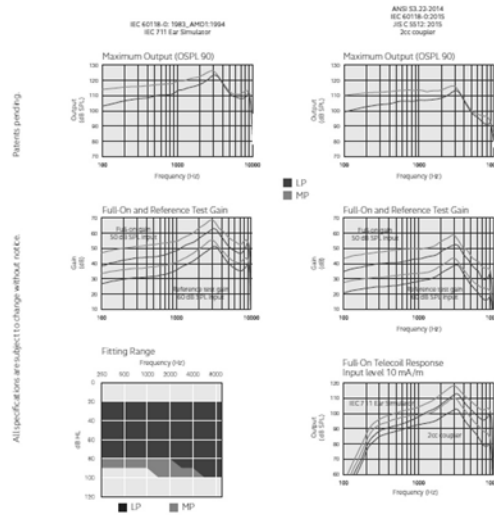


Which Receiver to Fit?

Technical specifications

Technical specifications	LP		MP			
	IEC 60118-0:1981, Amdt 1:1994 IEC 60118-0:2015 IEC 711 Ear Simulator	ANSI S3.23.2014 IEC 60118-0:2015 JIS C 1612:2015 3cc coupler	IEC 60118-0:1981, Amdt 1:1994 IEC 60118-0:2015 IEC 711 Ear Simulator	ANSI S3.23.2014 IEC 60118-0:2015 JIS C 1612:2015 3cc coupler		
Reference test gain (50 dB SPL input)	1600 Hz/HFA	41	32	46	37	dB
Full-on gain (50 dB SPL input)	1600 Hz/HFA	Max 63 Min 54	53 46	69 60	58 52	dB
	1600 Hz/HFA	Max 123 Min 116	113 108	126 121	116 114	dB SPL
Maximum output (90 dB SPL input)	500 Hz	0.6	0.5	0.8	0.6	%
	800 Hz	0.6	0.3	1.3	0.6	%
	1600 Hz	0.5	0.4	0.8	0.7	%
Total harmonic distortion	500 Hz	0.6	0.5	0.8	0.6	%
	800 Hz	0.6	0.3	1.3	0.6	%
1/3 Octave Equivalent input noise, w/o noise reduction	1600 Hz	5	7	6	7	dB SPL
	1600 Hz	5	7	6	7	dB SPL
Frequency range IEC60118-0:2015**		100-9640	100-9410	100-9560	100-9160	Hz
Battery Lifetime (Battery type Rechargeable)***		30	30	30	30	Hours
Current Drain (Quiescent / Operating) Model 61-DRW, 62-DRW		0.81 / 1.03	0.81 / 1.04	0.81 / 0.91	0.81 / 1.04	mA

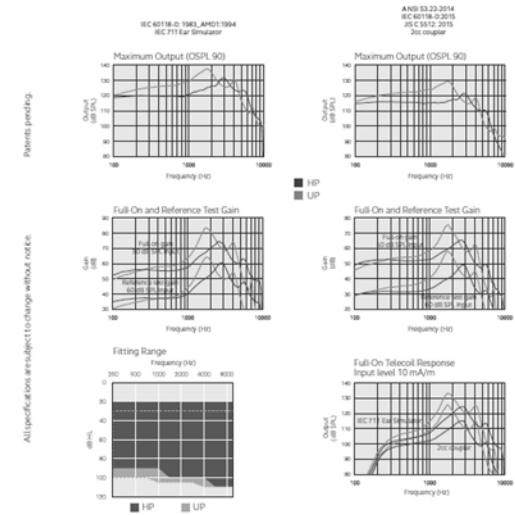
* Telecoil is only for the RUC62 DRW models.
** Measured according to IEC 60118-0:2015, with 711 Ear Simulator coupler.
*** Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.



Technical specifications

Technical specifications	HP		LP			
	IEC 60118-0:1981, Amdt 1:1994 IEC 60118-0:2015 IEC 711 Ear Simulator	ANSI S3.23.2014 IEC 60118-0:2015 JIS C 1612:2015 3cc coupler	IEC 60118-0:1981, Amdt 1:1994 IEC 60118-0:2015 IEC 711 Ear Simulator	ANSI S3.23.2014 IEC 60118-0:2015 JIS C 1612:2015 3cc coupler		
Reference test gain (50 dB SPL input)	1600 Hz/HFA	49	40	62	47	dB
Full on gain (50 dB SPL input)	1600 Hz/HFA	Max 75 Min 67	65 59	83 81	75 65	dB
Maximum output (90 dB SPL input)	1600 Hz/HFA	Max 131 Min 124	122 117	138 137	130 124	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.5 0.9 1.0	0.3 0.7 0.7	1.0 2.7 0.2	1.0 1.3 0.1	%
Telecoil sensitivity (1 mA/m input)*	Max	105	95	114	106	
HFA - SPL/V @ 31.6 mA/m (ANSI)	HFA	109	100	113	108	dB SPL
Full on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	96	88	111	95	
Equivalent input noise, w/o noise reduction		21	20	12	22	dB SPL
1/3 Octave Equivalent input noise, w/o noise reduction	1600 Hz	6	7	7	9	dB SPL
Frequency range IEC60118-0:2015**		100-9320	100-7140	100-5360	100-5010	Hz
Battery Lifetime (Battery type Rechargeable)***		30	30	30	30	Hours
Current Drain (Quiescent / Operating) (Model 61-DRW, 62-DRW)		0.81 / 0.88	0.81 / 1.04	0.81 / 1.01	0.81 / 1.04	mA

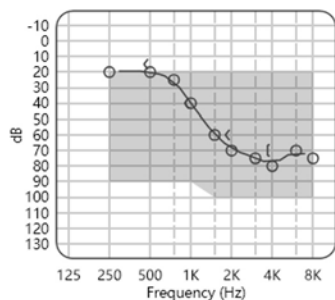
* Telecoil is only for the RUC62 DRW models.
** Measured according to IEC 60118-0:2015, with 711 Ear Simulator coupler.
*** Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.



ReSound SmartFit: MP Fitting Range

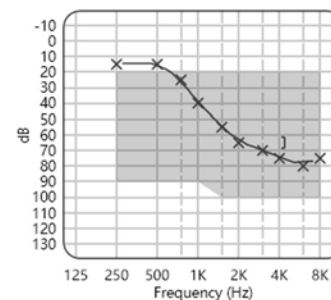
● Right Instrument

ReSound Nexia 9 NX960S-DRWC RIE 0 MP Receiver

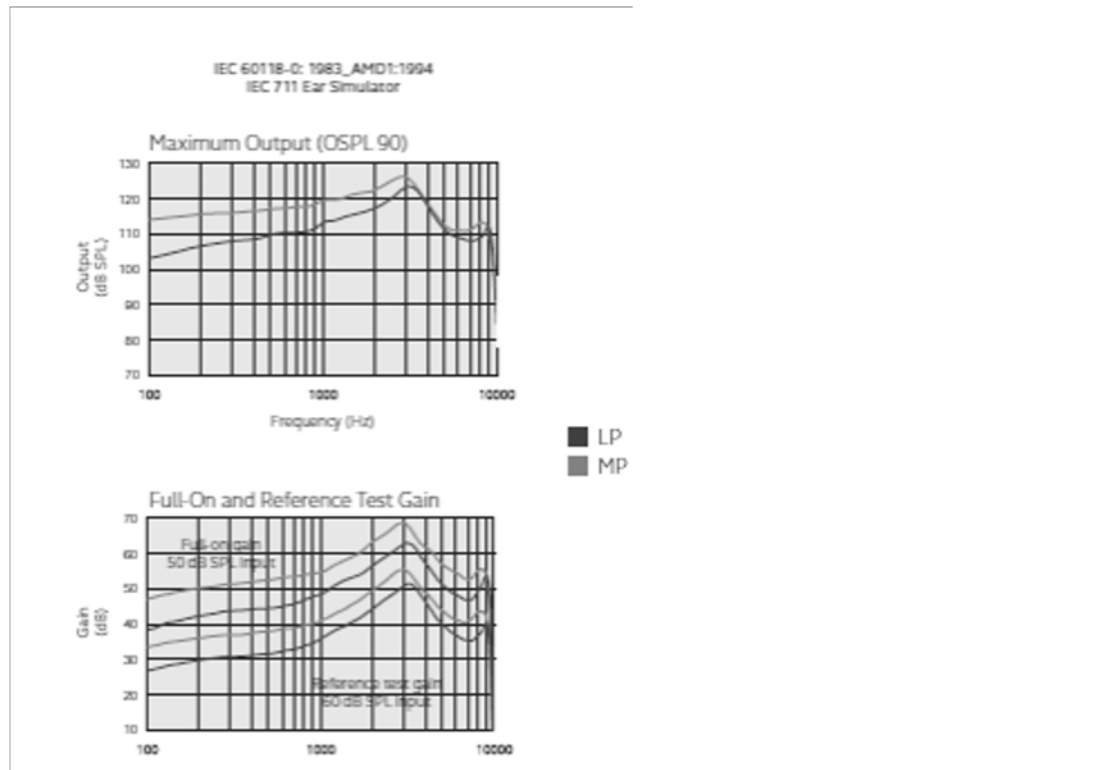


● Left Instrument

ReSound Nexia 9 NX960S-DRWC RIE 0 MP Receiver

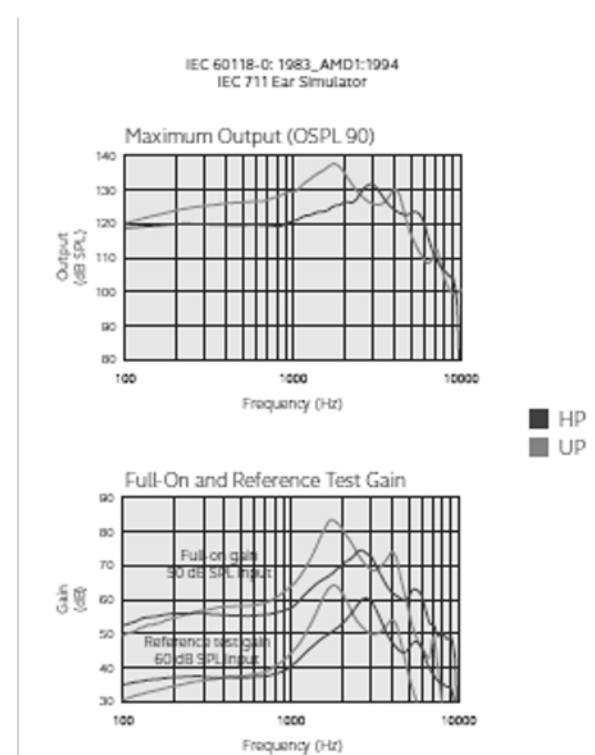


Lower Power Receivers = More Comfortable Fit, Greater HF Response



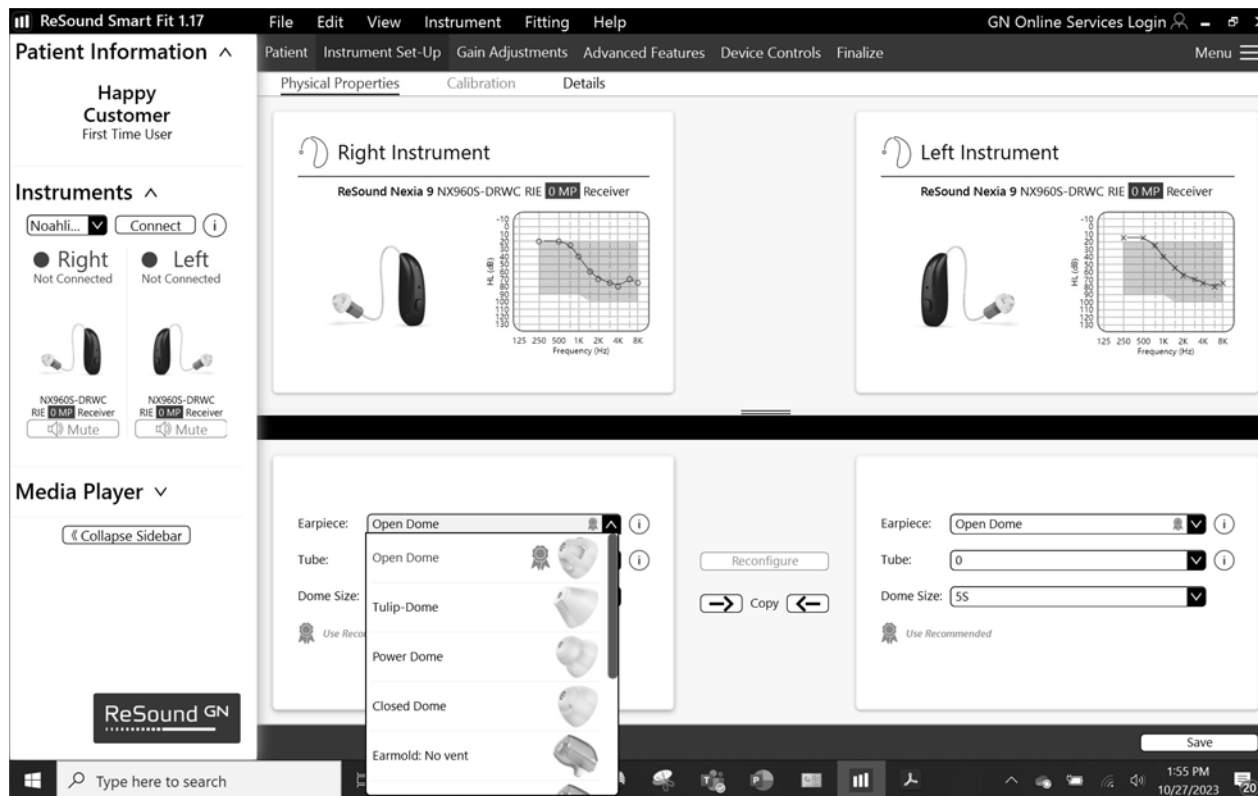
LP: To 9640 Hz
MP: To 9560 Hz

Ear simulator figures



HP: To 9320 Hz
UP: To 5360 Hz

When to Change Domes?



Move to a More Closed Fit for Better Match to Real-Ear Targets in Low and Mid-Frequencies!

Trick:

**Empowering Your
Patients with
TapControl ...**

**To Use It, or Not to
Use It!**



Introducing TapControl



What If the User
Doesn't Want It?

Or, What If You're
Not Sure They'll
Be Successful
With It?



TapControl: How to Activate or Deactivate in Smart Fit

File Edit View Instrument Fitting Help GN Online Services Login

Patient Instrument Set-Up Gain Adjustments Advanced Features Device Controls Finalize Menu

Manual Controls Standard Beeps Accessories

● Right Instrument

ReSound Nexia 9 NX960S-DRWC
RIE 0 MP Receiver



→ Copy ←

● Left Instrument

ReSound Nexia 9 NX960S-DRWC
RIE 0 MP Receiver



☐ Enabled

Flight Mode Control ⓘ

☐ Enabled

☒ Enabled ←

Tap Control ▼ ⓘ

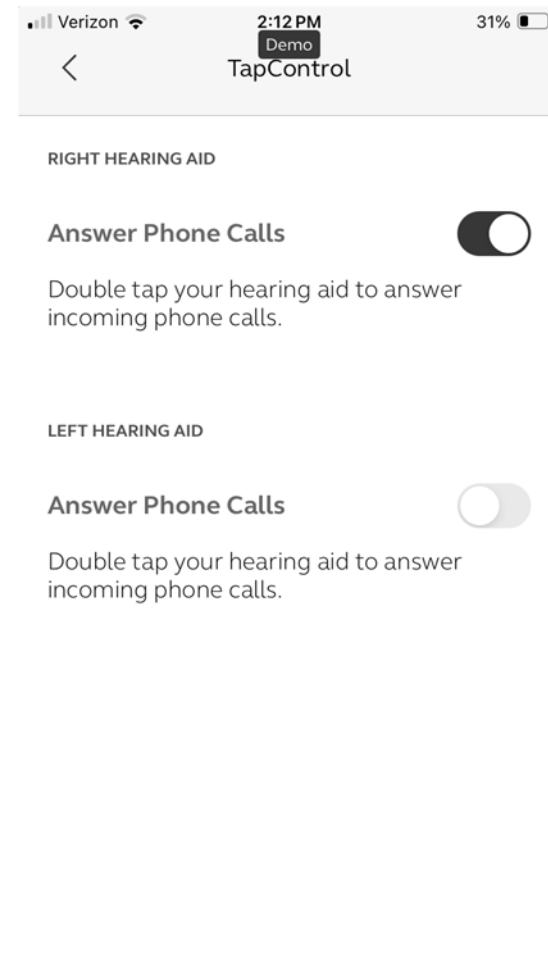
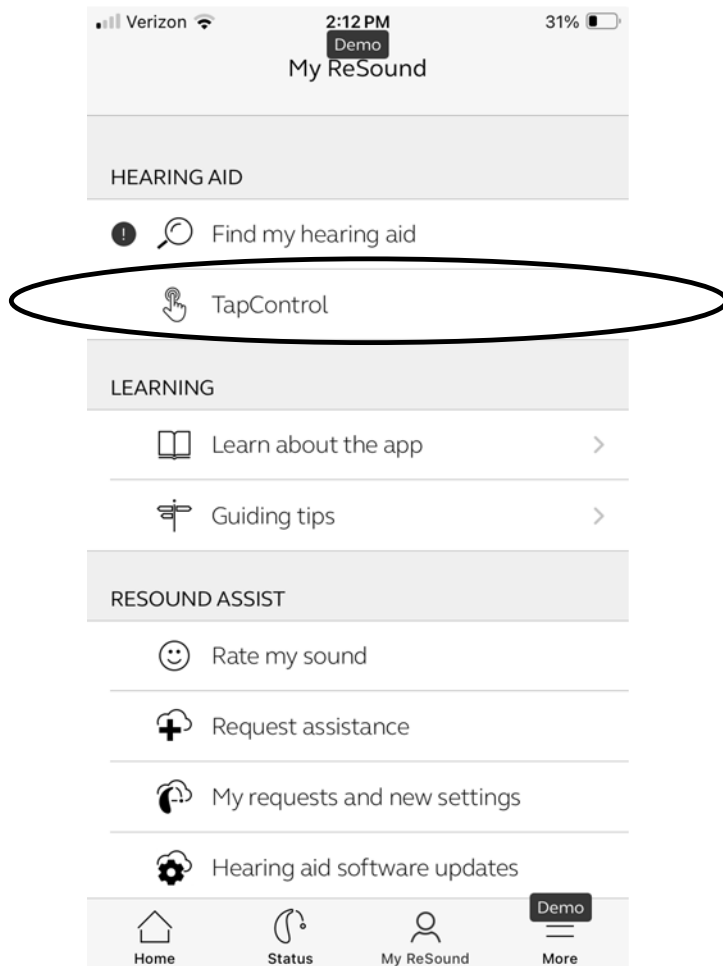
→ ☒ Enabled

☒ Enabled

Hands Free Control ⓘ

☒ Enabled

TapControl: How to Activate/Deactivate in Smart 3D App

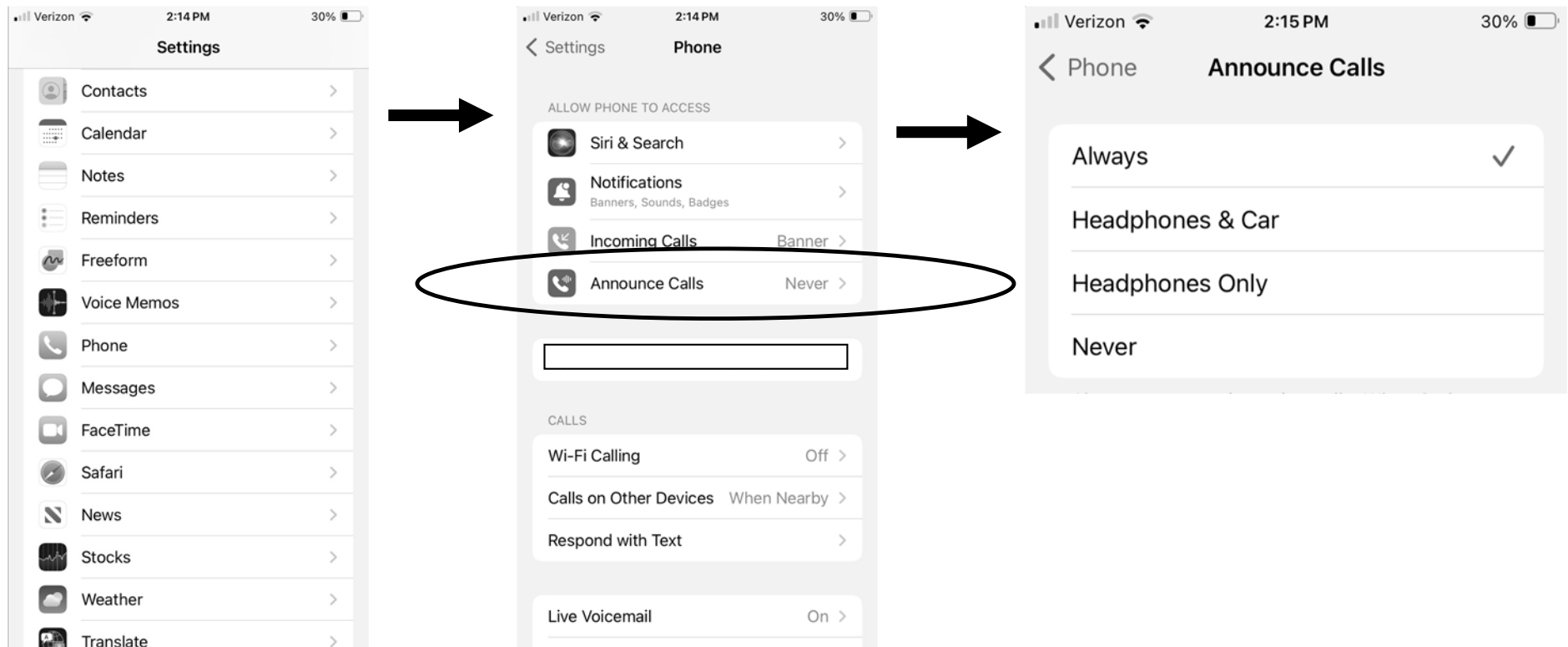


Trick:

Announcing
Calls with
iPhone



iPhone Users: Announce Calls



ReSound GN

Next-era hearing

ReSound Nexia

