

Grand Rounds by ReSound

A Guide on the Directionality Available in Program One

Valerie Kedem, Au.D.
Field Training Audiologist
GN ReSound

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

Risks/Benefits

- The applicability and accuracy of the course content may vary by the clinical, geographical, and cultural context; you should evaluate the course accordingly.
- As healthcare is rapidly evolving, new findings may change the validity of the information presented in this course. Providers should always consult the latest research and guidelines from professional associations.
- The interventions discussed in this course may be limited in generalizability, requiring practitioners to consider specific individual and population factors.
- The course may not cover all possible risk factors, diagnostic methods, or treatment options, and complex cases may require additional considerations.
- Healthcare providers should apply cultural competence and sensitivity to ensure effective and respectful care based on their patients' diverse needs.
- Providers should always evaluate the limitations of diagnostic and screening tools, considering their potential for false results as well as any ethical implications.
- It is the responsibility of course participants to critically evaluate the evidence from multiple sources to guide professional practice.



LEARNER OUTCOMES

- After this course, participants will be able to discuss the Directional Philosophy of ReSound.
- After this course, participants will be able to differentiate program one directionality options for technology levels 4, 5, 7, and 9.
- After this course, participants will be able to identify appropriate directionality changes in the ReSound Smart Fit 2.2 software based on patient complaints.



For further information please contact:

ReSound Customer Care at 1-800-248-4327

Additional resources:

Territory Sales Manager

Inside Sales Manager

Field Training Audiologist

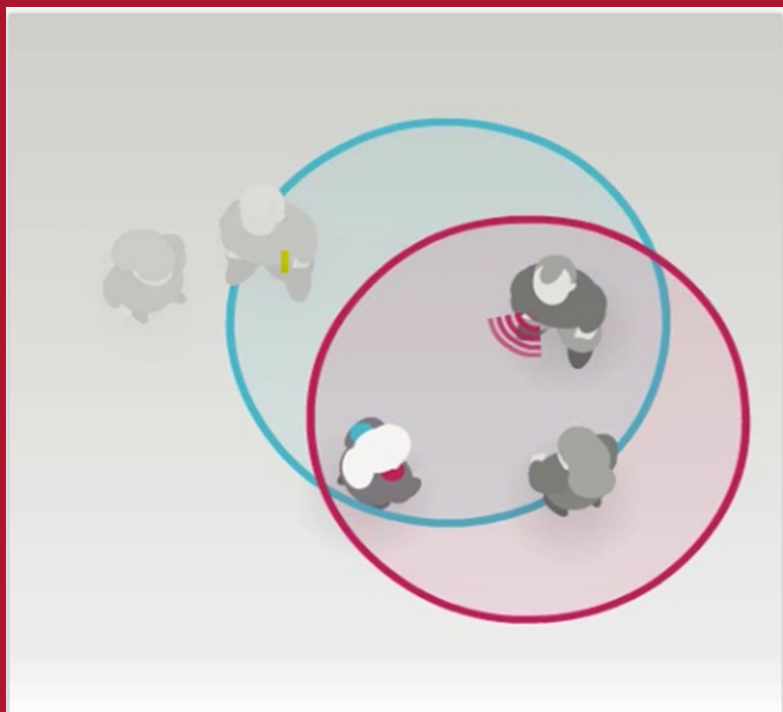
Remote Training Audiologist

What does Directionality mean to you?

Why is Directionality Important?



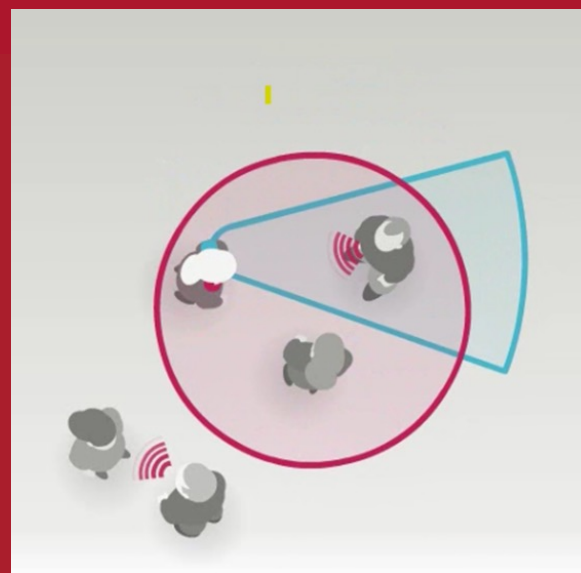
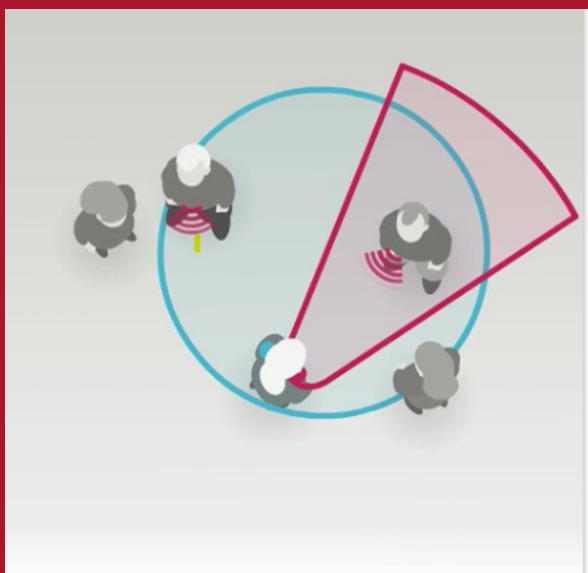
Omnidirectional



Directional



Asymmetrical



ReSound OMNIA™
360 All-Around

ReSound ONE™
All Access Directionality

ReSound LiNX Quattro™
Binaural Directionality III

ReSound LiNX²™
ReSound LiNX 3D™
Binaural Directionality II

ReSound Verso™
ReSound LiNX™
Binaural Directionality

ReSound Alera™
ReSound Live™
Natural Directionality II

ReSound Azure™
Natural Directionality

360 Degrees and
4-mic beamformer with 8.6 dB SNR Benefit**

Weighted
4-mic beamformer with 4.2 dB SNR Benefit*

Enhanced Omnidirectional

Ear-To-Ear with Spatial Sense

Ear-To-Ear Communication

Band-Split Asymmetric
Directionality

Asymmetric
Directionality

*Groth (2020)

**Jespersen & Groth (2022)

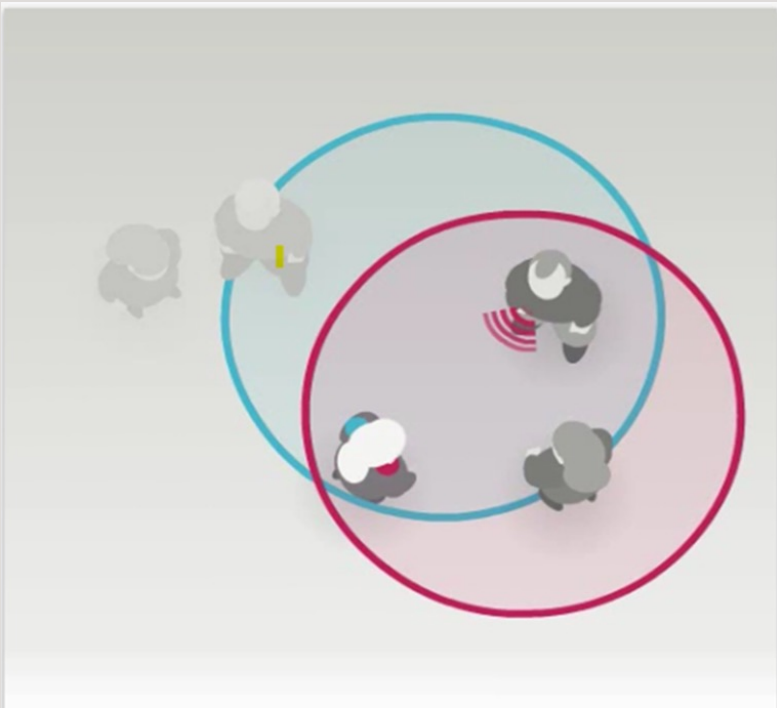
Program One Directionality

- 360 All Around
- All Access
- Binaural Directionality III

OMNI

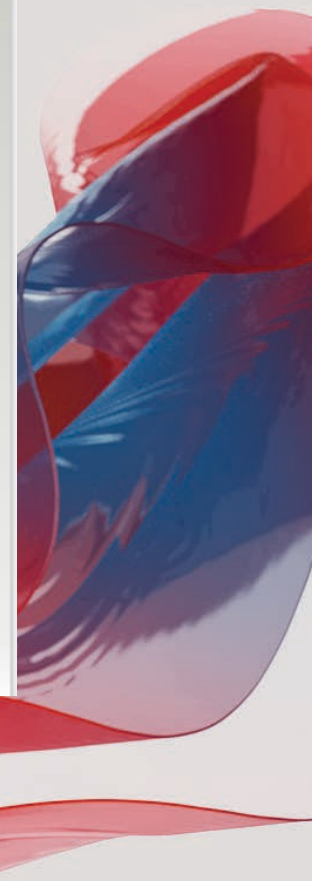
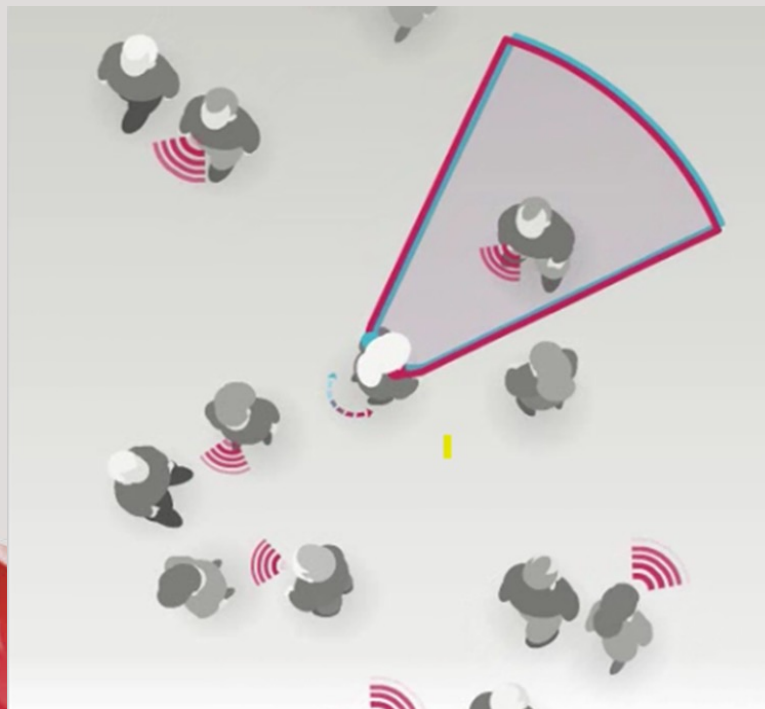
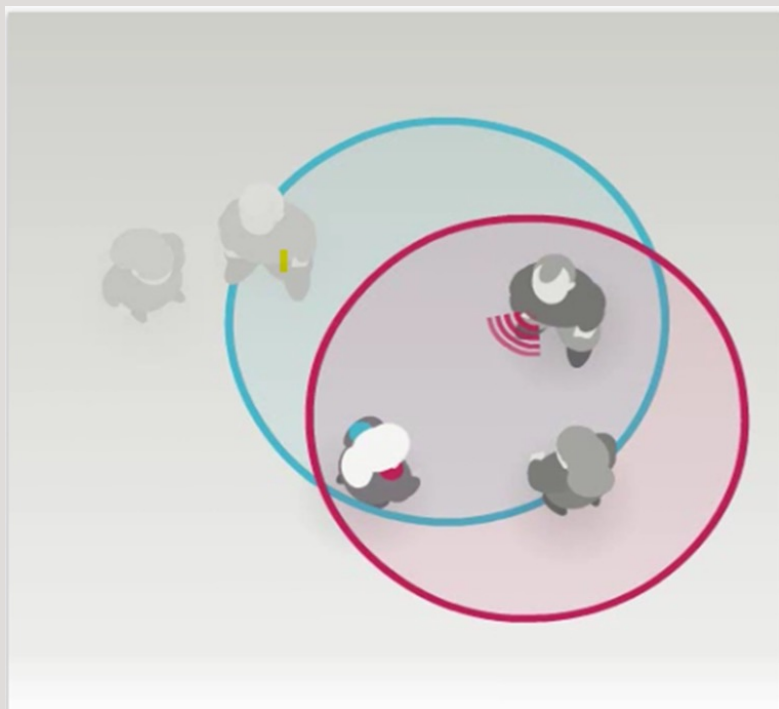
ReSound GN

Program One Directionality



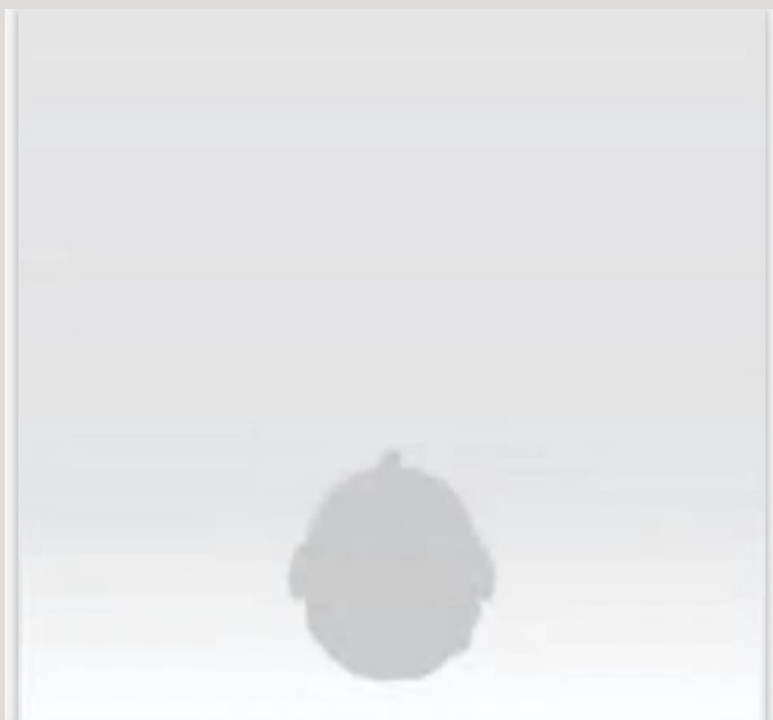
Soft-Switching

Program One Directionality



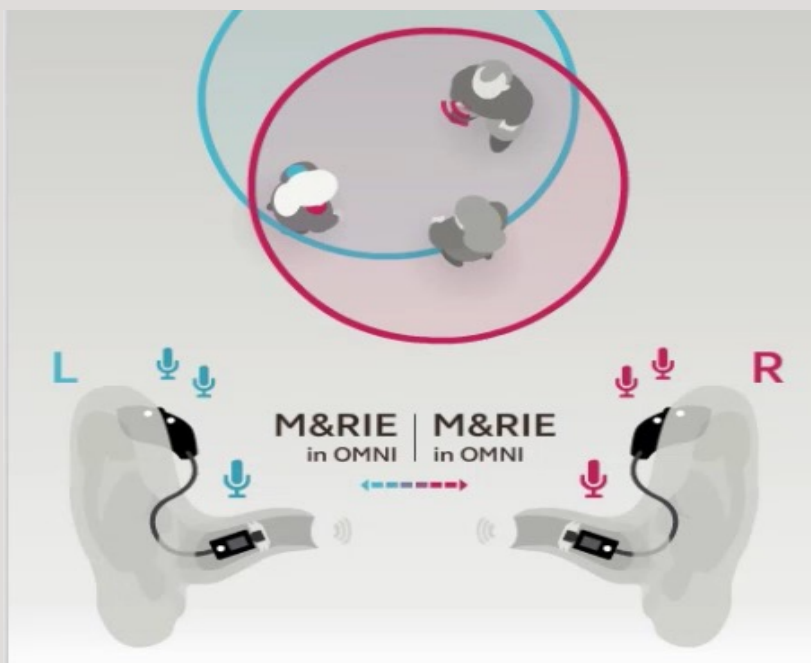
Spatial Sense

Program One Directionality



M&RIE *(microphone and receiver in ear)*

Program One Directionality



Level 9

ReSound GN

ReSound Smart Fit 2.2

Home | File View Instrument Fitting Help

GN Online Services Login

Patient Information ^

AO Vivia
SMART FIT 2.2
First Time User

Instruments ^

Connect

Right Not Connected Left Not Connected

VI960S-DRWC (microRIE) 2LT Receiver VI960S-DRWC (microRIE) 2LT Receiver

Media Player v

« Collapse Sidebar

ReSound GN

Speech Comfort Tinnitus Sound Generator

Speech

100 90 80 70 60 50 40 30 20 10 0 -10

125 250 500 1K 2K 4K 8K

Frequency (Hz)

Mute Mute

Display Options

Linked

Gain % 100%

Legend

Feedback Guard Above FOG

100 90 80 70 60 50 40 30 20 10 0 -10

125 250 500 1K 2K 4K 8K

Frequency (Hz)

All-Around Hear in Noise

Program Options

360 All-Around Omni Soft Switching 360 All-Around Spatial Sense

Directionality

Medium High

Directional Mix

Very Low Low Medium High

Time Constants

Syllabic Fast Moderate Slow

Sound Shaper

Off Very Mild (5K) Mild (4K) Moderate (3.5K) Strong (2.5K)

Calibrate DFS

Save

Level 7

ReSound GN

ReSound Smart Fit 2.2

Home | File | View | Instrument | Fitting | Help

GN Online Services Login

Patient Information ^

AO Vivia
SMART FIT 2.2
First Time User

Instruments ^

Connect

Right Not Connected

Left Not Connected

V1760S-DRWC (microRIE) 0 MP Receiver

V1760S-DRWC (microRIE) 0 MP Receiver

Media Player v

« Collapse Sidebar

ReSound GN

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

Speech Comfort Tinnitus Sound Generator

100 90 80 70 60 50 40 30 20 10 0 -10

125 250 500 1K 2K 4K 8K

Frequency (Hz)

Mute Mute

Display Options

Linked

Gain % 100%

Legend

Feedback Guard

Above FOG

100 90 80 70 60 50 40 30 20 10 0 -10

125 250 500 1K 2K 4K 8K

Frequency (Hz)

All-Around Hear in Noise

Program Options

All Access Directionality ^

Omni

Soft Switching

All Access Directionality

Spatial Sense

Directionality

Medium High

Directional Mix ⓘ

Very Low Low Medium High

Time Constants

Syllabic Fast Moderate Slow

Sound Shaper ⓘ

Off Very Mild (5K) Mild (4K) Moderate (3.5K) Strong (2.5K)

Off Very Mild (5K) Mild (4K) Moderate (3.5K) Strong (2.5K)

Calibrate DFS

Save

Level 5

ReSound GN

ReSound Smart Fit 2.2

Home | File | View | Instrument | Fitting | Help

GN Online Services Login

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

Menu

Patient Information ^

AO Vivia
SMART FIT 2.2
First Time User

Instruments ^

Connect

Right Not Connected Left Not Connected

VI560S-DRWC (microRIE) 0 MP Receiver VI560S-DRWC (microRIE) 0 MP Receiver

Mute Mute

Media Player v

« Collapse Sidebar

ReSound GN

Speech Comfort Tinnitus Sound Generator

100 90 80 70 60 50 40 30 20 10 0 -10

125 250 500 1K 2K 4K 8K

Frequency (Hz)

Mute Mute

Display Options Linked

Gain % 100%

Legend Feedback Guard Above FOG

100 90 80 70 60 50 40 30 20 10 0 -10

125 250 500 1K 2K 4K 8K

Frequency (Hz)

All-Around Hear in Noise

Program Options

All Access Directionality ^

Omni Soft Switching All Access Directionality Spatial Sense

Medium High

Directionality

Directional Mix 1

Very Low Low Medium High

Sound Shaper 1

Off Very Mild (5K) Mild (4K) Moderate (3.5K) Strong (2.5K)

Off Very Mild (5K) Mild (4K) Moderate (3.5K) Strong (2.5K)

Calibrate DFS

Save

Level 4

ReSound GN

ReSound Smart Fit 2.2

Home | File | View | Instrument | Fitting | Help

GN Online Services Login

Patient Information ^

AO Vivia
SMART FIT 2.2
First Time User

Instruments ^

Connect

Right Not Connected Left Not Connected

VI460S-DRWC (microRIE) 0 MB Receiver VI460S-DRWC (microRIE) 0 MB Receiver

Media Player v

« Collapse Sidebar

ReSound GN

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

Speech Comfort Tinnitus Sound Generator

Speech

100 90 80 70 60 50 40 30 20 10 0 -10

125 250 500 1K 2K 4K 8K

Frequency (Hz)

Mute Mute

Display Options

Linked

Gain % 100%

Legend

Feedback Guard Above FOG

All-Around Hear in Noise

Program Options

Binaural Directionality III

Omni

Soft Switching

Binaural Directionality III

Spatial Sense

Directionality

Medium High

Directional Mix

Very Low Low Medium High

Sound Shaper

Off Very Mild (5K) Mild (4K) **Moderate (3.5K)** Strong (2.5K)

Very Mild (5K) Mild (4K) Moderate (3.5K) Strong (2.5K)

Calibrate DFS

Save

ReSound Smart Fit 2.2

Patient Information ^

AO Vivia
SMART FIT 2.2
First Time User

Instruments ^

Connect

Right
Not Connected

Left
Not Connected


V1762-DRW (RIE)
0 MM Receiver


V1762-DRW (RIE)
0 MM Receiver

Mute

Mute

Media Player v

Collapse Sidebar

Home | File | View | Instrument | Fitting | Help

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

Speech | Comfort | Tinnitus Sound Generator

100 90 80 70 60 50 40 30 20 10 0 -10

125 250 500 1K 2K 4K 8K

Frequency (Hz)

Mute

Mute

Display Options

Linked

Gain % 100%

Legend
Above FOG

100 90 80 70 60 50 40 30 20 10 0 -10

125 250 500 1K 2K 4K 8K

Frequency (Hz)

All-Around v | Hear in Noise +

Program Options

M&RIE

Omni

Soft Switching

All Access Directionality

M&RIE

Directionality

M&RIE

Moderate

Slow

Time Constants

Syllabic

Fast

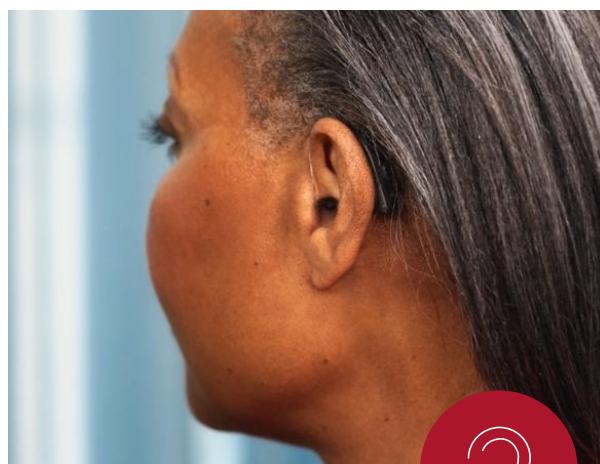
Moderate

Slow

Calibrate DFS

Save

Case Studies



Case Study One

Patient has severe to profound hearing loss.

During his consult, he mentioned he does not like when his hearing aids have automatic features. He likes to hear everything around him so he does not miss something.



Case Study One

Patient has severe to profound hearing loss.

During his consult, he mentioned he does not like when his hearing aids have automatic features. He likes to hear everything around him so he does not miss something.

In ReSound Smart Fit Software:

- Change Directionality to OMNI



Case Study Two

Patient reports feeling uneven from one side to the other.



Case Study Two

Patient reports feeling uneven from one side to the other.

In ReSound Smart Fit Software:

- Change Directionality to Soft-Switching.

Case Study Three

Patient with severe to profound hearing loss returns to your clinic. During his consult he reported not liking automatic changes. During his 1st fit, directionality was changed to OMNI.

At his follow up appointment, he mentions he does not know where sounds are coming from in his environment.



Case Study Three

Patient with severe to profound hearing loss returns to your clinic. During his consult he reported not liking automatic changes. During his 1st fit, directionality was changed to OMNI.

At his follow up appointment, he mentions he does not know where sounds are coming from in his environment.

In ReSound Smart Fit Software:

- Change Directionality to Spatial Sense



Case Study Four

Patient reports not being able to hear his children when they are in the backseat of his car.





Case Study Four

Patient reports not being able to hear his children when they are in the backseat of his car.

In ReSound Smart Fit Software:

- ***Add another All-Around program. Change Directionality to OMNI. Increase Noise Tracker II to moderate or considerable.***

- ***OR***

Add an Outdoor Program. Increase Noise Tracker II if needed.

Case Study Five

Patient is an avid boater. During her first follow up, she mentions wind noise is bothering her.



Case Study Five

Patient is an avid boater. During her first follow up, she mentions wind noise is bothering her.

In ReSound Smart Fit Software

- Increase Wind Guard

Receiver Options

- Change to M&RIE





ReSound GN

For further information please contact:

ReSound Customer Care at 1-800-248-4327

Additional resources:

Territory Sales Manager

Inside Sales Manager

Field Training Audiologist

Remote Training Audiologist

Thank You!