

Philips HearLink 9050 in Practice: Real-World Case Studies Across the Product Portfolio

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What's in This Handout

KEY TAKEAWAYS	3
COURSE CONTENT	4
Product Overview	4
Acoustics	7
Connectivity	10
Technology Overview	12
HearSuite Fitting Software	15
INTERACTIVE WORKSHEET	17
NOTES	20
QUIZ SUMMARY	21
REFERENCES	22
ADDITIONAL INFORMATION	23–24

Key Takeaways

Key Takeaway	Clinical Implication
Easy and efficient to wear	The HearLink 9050 family (miniRITE, miniBTE R, CIC, IIC) offers IP68 reliability, an LED power-status indicator, and longer battery life across styles, supporting all-day wear comfort.
Easy and efficient to fit	Streamlined receiver, dome, and mold options plus the 7-step HearSuite first-fit workflow let providers fit efficiently while preserving flexibility for individual acoustic needs.
Easy and fast charging	Charger Plus uses advanced contact charging technology; a 1-hour charge provides a full day of power, and the power bank supplies 3 full charges for members on the go.
Easy to connect	SoundTie 4 supports hands-free communication, Bluetooth LE Audio, and Auracast broadcast audio, with the Easy LE Adapter extending compatibility to phones that are not LE Audio-ready.
Easy and quick support	Dedicated Customer Excellence and Consumer Care lines give providers and members fast access to technical and connectivity support.

Course Content

Learner Outcomes

- Identify appropriate candidacy considerations, acoustic options, and connectivity solutions for Philips Hearing Solutions based on individual member needs.
- Explain the benefits of Philips SoundMap technology and describe how it supports improved member outcomes through practical case studies.
- Apply the advanced features available in the Philips HearSuite software and make programming adjustments based on real-world scenarios.

Product Overview

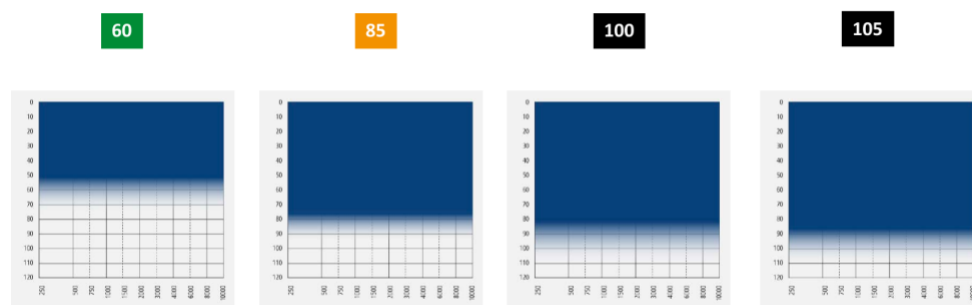
The Philips HearLink 9050 family makes speech clearer and easier to understand while helping members connect to the world. The family includes the miniRITE, miniBTE R, CIC, and IIC styles.

- IP68 reliability
- LED indicating power status (miniRITE and miniBTE R)
- Longer battery life
- Faster contact charging
- Benefits of Bluetooth® LE Audio

miniRITE Receivers and Fitting Ranges

The miniRITE uses miniFit Detect speakers available as Receiver 60, 85, 100, and the combined Receiver 60/85/100/105 with MicroShell Detect.

HearLink 9050 miniRITE fitting ranges



Fitting Tip: Always available in Philips HearSuite and the Costco Philips Portal

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Figure 1. HearLink 9050 miniRITE fitting ranges for the 60, 85, 100, and 105 receivers.

- Fitting Tip: Fitting ranges are always available in Philips HearSuite and the Costco Philips Portal.

miniBTE R: Two-in-One Fitting Innovation

The miniBTE R offers two fitting levels (85 and 105) in one device, assignable directly in Philips HearSuite for greater flexibility.

HearLink 9050 miniBTE R fitting ranges

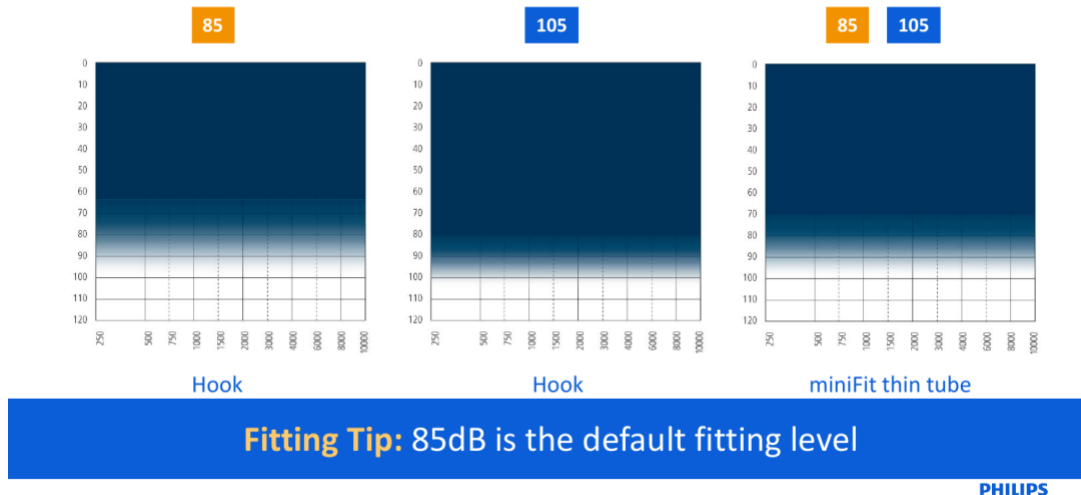


Figure 2. HearLink 9050 miniBTE R fitting ranges with Hook (85, 105) and miniFit thin tube.

- Fitting Tip: 85 dB is the default fitting level.

Charger Plus: Easy and Fast Charging

- Advanced contact charging technology
- 1 hour charge provides a full day of power
- Power bank provides 3 full charges

IIC and CIC

Philips HearLink 9050 IIC and CIC



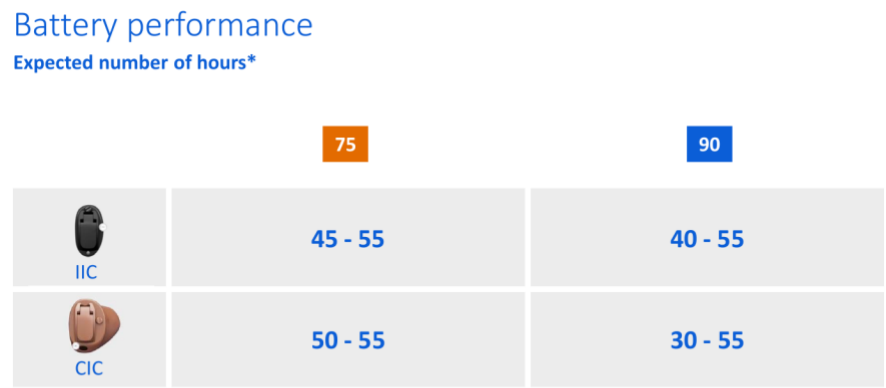
Figure 3. HearLink 9050 IIC and CIC feature comparison table.

HearLink 9050 Custom Fitting Ranges (IIC and CIC)

- Fitting tip: It is recommended to leave speaker level 'blank' to allow the factory to select speaker strength for optimal fit.

Battery Performance

Expected number of hours; actual battery life depends on battery quality, use pattern, active feature set, hearing loss, and sound environment.



*The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.

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Figure 4. Expected battery hours for IIC and CIC at 75 dB and 90 dB fitting levels.

Acoustics

miniFit Domes:

miniFit domes

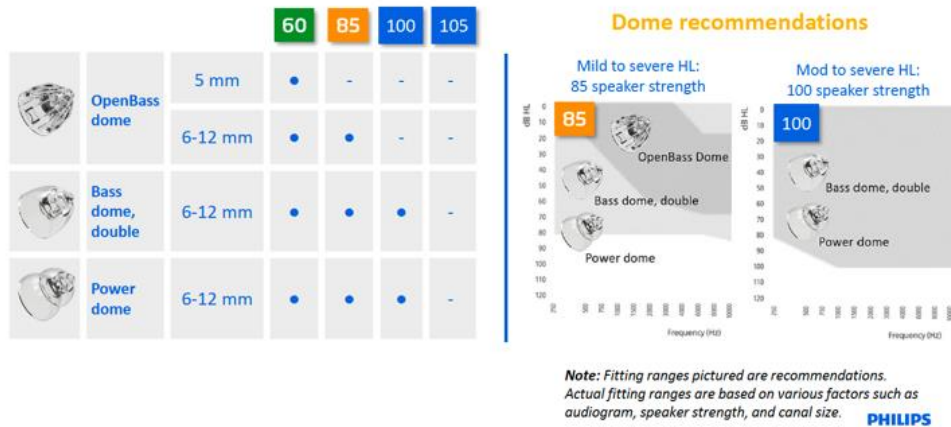


Figure 5. miniFit dome compatibility table and dome recommendations by hearing loss severity.

miniFit Molds:

miniFit molds

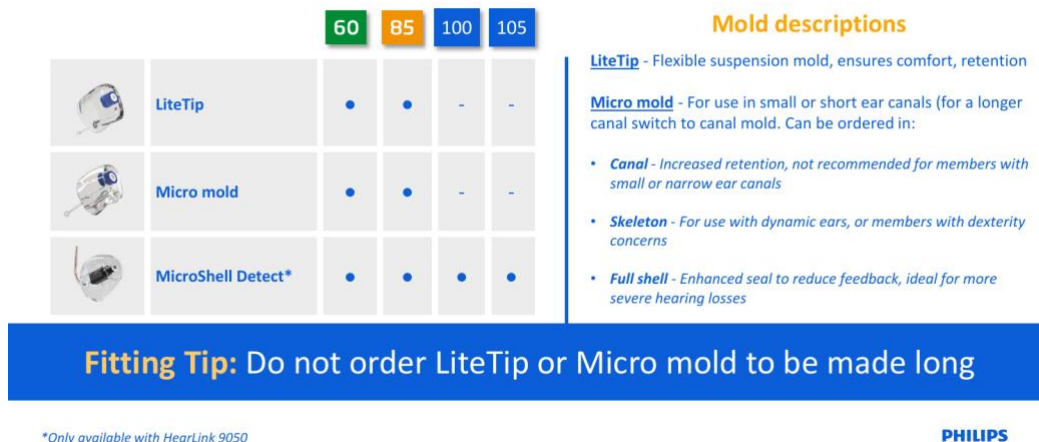


Figure 6. miniFit mold compatibility table and mold descriptions.

- Fitting Tip: Do not order LiteTip or Micro mold to be made long.

miniFit Thin Tube 0.9 and 1.3 mm

Compatible with a range of miniFit earpieces. miniFit thin tube sizes: 0, 1, 2, 3.

- Fitting tip: miniBTE R is always shipped with the hook attached.

When to Choose miniFit Thin Tube vs. Hook

- Hook: Choose for more power or durability.
- miniFit thin tube: Choose when the fitting range allows, the ear canal can support an open or vented fit, and the member values cosmetics and comfort.

Q3

Quiz Hint: For a HearLink miniBTE R fitting, choose an earhook when more power or a more secure acoustic fit is needed, and choose a thin tube when the member's hearing loss and ear anatomy support a more discreet, open-fit option.

Venting Considerations

What will be best for your member depends on the member's audiogram, ear anatomy, and perception.

The Occlusion Effect

A common complaint from hearing aid users: the build-up of pressure in the ear canal between the end of the ear mold (or ITE) and the eardrum, and the unnatural sound quality of the user's voice which results from the blocking of the ear canal.

Low Frequency Amplification and Vents

Low frequency amplification and vents

Fitting tip: The larger the vent the more amplified low frequencies will disappear.

It will be partly compensated by low frequencies coming in from the outside of the ear.

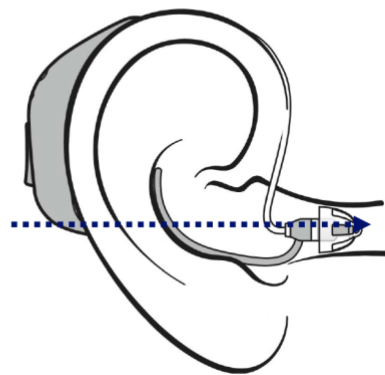


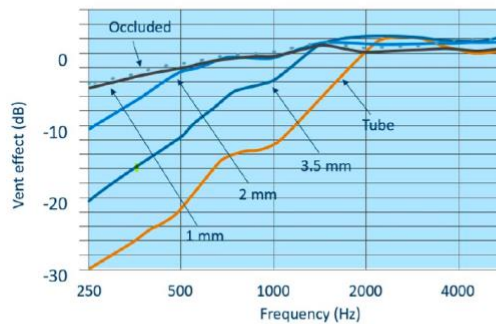
Figure 7. Illustration of vent placement and low-frequency amplification loss around a vented fitting.

- Fitting tip: The larger the vent, the more amplified low frequencies will disappear. It will be partly compensated by low frequencies coming in from the outside of the ear.

Understanding Venting Effects

Fitting tip!

Understanding Venting Effects



1 mm vent will have minimal acoustical effect but will provide relief for the user

2 mm vent will reduce the low frequencies from ~500 Hz and downwards

3.5 mm vent will reduce the low frequencies from ~1500 Hz and downwards

Open fit will reduce frequencies from ~2000 Hz and downwards

Dillon H. (1985). Earmolds and high frequency response modification. Hearing Instruments, 36 (12):8-12.

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Figure 8. Vent effect by frequency for 1 mm, 2 mm, 3.5 mm vents, and an open fit (Dillon, 1985).

- 1 mm vent will have minimal acoustical effect but will provide relief for the user
- 2 mm vent will reduce the low frequencies from ~500 Hz and downwards
- 3.5 mm vent will reduce the low frequencies from ~1500 Hz and downwards
- Open fit will reduce frequencies from ~2000 Hz and downwards

Case Study: Easy and Efficient to Fit

Field	Detail
Member	61 years old
Hearing Loss	Bilateral mild-to-moderate low frequency conductive HL; reports history of otosclerosis; otoscopy within normal limits
COSI Goals	Discreet, preferably in-the-ear style; follow conversation better in group settings; improve confidence hearing speech without making environmental sounds too sharp
Test Results	SRT: Right = 30 dB, Left = 35 dB; WDS: 96% (R&L)

Case Study

Choosing the right product

- 61 years old member
- Bilateral mild-to-moderate low frequency conductive HL
- Member reports a history of otosclerosis
- Otoscopy is within normal limits

COSI Goals:

- I want hearing aid style that is discreet, preferably an in-the-ear option, so I feel more comfortable wearing it throughout the day
- I want to follow conversation better in group settings
- I want to improve confidence hearing speech without making environmental sounds too sharp

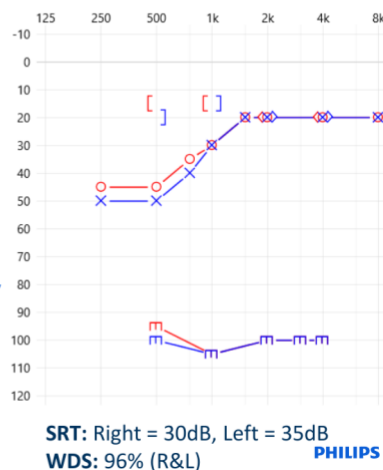


Figure 9. Case study audiogram: 61-year-old with bilateral mild-to-moderate conductive hearing loss.

Acoustic considerations:

1. Occlusion effect: Monitor closely, as own-voice concerns may be more likely.
2. Feedback risk: Expected to be minimal due to normal high-frequency thresholds.
3. Venting: Select a smaller vent to help preserve low-frequency gain.

Connectivity

Staying connected with SoundTie 4:

- Hands-free communication
- Bluetooth® LE Audio and Auracast™ broadcast audio
- Auracast™ broadcast audio
- Easy LE Adapter
- HearLink 2 app
- Fast Pair

SoundTie 4 accessories and app:

- Philips TV Adapter
- Easy LE Adapter (only compatible with the HearLink 9050 miniRITE and miniBTE R)
- Philips Remote Control
- Philips AudioClip
- Philips HearLink 2 app

Philips HearLink 2: Empower Your Members with Discreet Control

- Easy, discreet controls
- Personalized sound
- Auracast broadcast in-app assistant
- Philips Journal
- Remote fittings

Case Study: Easy and Efficient to Fit

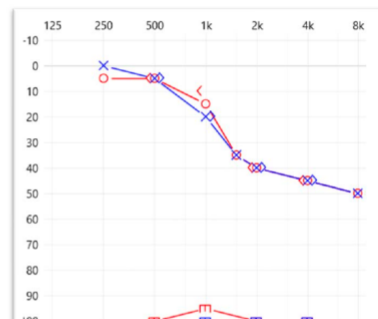
Field	Detail
Member	64 years old
Hearing Loss	Sloping bilateral mild to moderate SNHL; no significant medical history; never tried HAs but very frustrated and ready to pursue amplification
Fitting	HearLink 9050 miniRITEs, open fit, 60 speaker
COSI Goals	Hear wife better on the phone; hear the TV better when watching movies at home; better awareness of surroundings when at work
Test Results	SRT: Right = 20 dB, Left = 15 dB; WDS: 100% (R&L)

Case Study

Overview

- 64 years old
- Sloping bilateral mild to moderate SNHL
- No significant medical history
- Member has never tried HAs but is very frustrated and ready to pursue amplification
- Member was fit with HearLink 9050 miniRITEs, open fit, 60 speaker

COSI Goals:



I want to hear my wife better on the phone

WDS: 100% (R&L)

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Figure 10. Case study audiogram: 64-year-old with sloping bilateral mild-to-moderate SNHL.

Does the member's phone support LE Audio? The Philips Compatibility QR code is always available on the Costco Philips Portal.

Q5

Quiz Hint: If a member has an Android phone that is not compatible with direct streaming but would like streaming and hands-free communication, the Philips Easy LE Adapter can help support these connectivity needs.

Follow-up: When no one is talking at work, the member feels the hearing aids might be getting a little softer than they'd like. There is a slight 'buzzing' or 'static' sound in a quiet room. He still finds it hard to hear his wife on the phone, especially in challenging environments.

Technology Overview

SoundMap is the Philips sound processing system, built on SoundMap Noise Control, SoundMap Amplification, and SoundMap Feedback Canceller.

SoundGuide: How Does It Work?

SoundGuide activates based on consistent movement detected and environmental levels of 47-60 dB SPL.

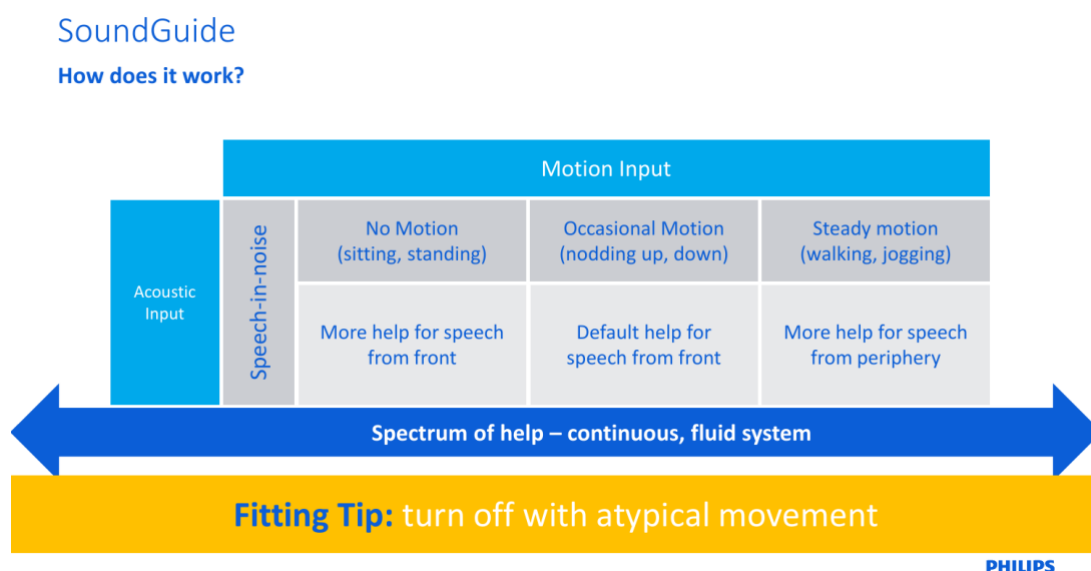


Figure 11. SoundGuide help pattern across motion and speech-in-noise input.

- Fitting Tip: Turn off with atypical movement.

Dynamic Directionality: Pinna Mode

Two settings are available in HearSuite: Omni Directional or Pinna.

- Fitting tip: Switch to Omni Directional with circuit noise issues.

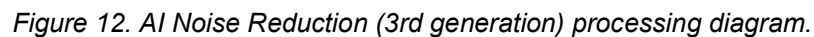
Q2

Quiz Hint: If a member reports hearing circuit noise from their hearing aids in quiet listening environments, adjust Pinna Mode to Omnidirectional to help improve their listening experience.

Settings range from Low (least noise attenuation) to High (most noise attenuation with best SNR), using seamless null steering in each of the 24 frequency bands.

- ## AI Noise Reduction (3rd Generation)

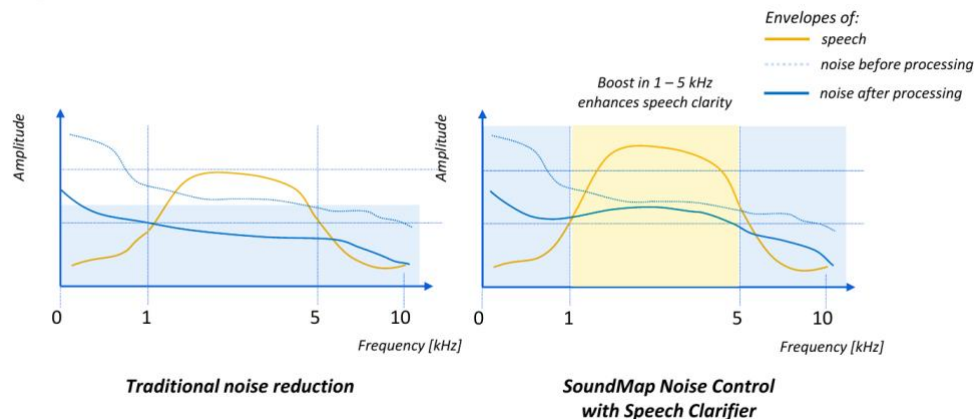
AI Noise Reduction (3rd generation)



Speech Clarifier

Speech Clarifier applies a boost in 1-5 kHz to enhance speech clarity, compared to traditional noise reduction.

Speech Clarifier



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Figure 13. Speech Clarifier frequency boost compared to traditional noise reduction.

Q4

Quiz Hint: Speech Clarifier is the advanced feature in Philips HearSuite software that can be adjusted to help improve a member's ability to understand speech in noise.

Feature, Benefit, Value framework: Feature - what does the feature do? Benefit - what is the outcome? Value - how will this improve my member's experience?

Case Study: Easy and Efficient to Fit

Field	Detail
Member	55 years old
Hearing Loss	Reverse slope hearing loss, stable; tried HAs in the past but not happy with sound quality; no significant medical history; high school teacher
Fitting	HearLink 9050 miniRITE, bass dome double, 60 speaker
COSI Goals	Communicate better with students; understand husband when cooking at home together; sounds in the environment comfortable while at work
Test Results	SRT: 35 (R&L); WDS: 100% (R&L)

Case Study

- 55 years old
- Reverse slope hearing loss is stable
- Tried HAs in the past but not happy with sound quality
- No significant medical history
- Member is a high school teacher
- Fit with Philips HearLink 9050 miniRITE, bass dome double, 60 speaker

COSI Goals:

- I want to be able to communicate better with students
- I want to understand my husband when cooking at home together
- I want sounds in the environment to be comfortable while at work

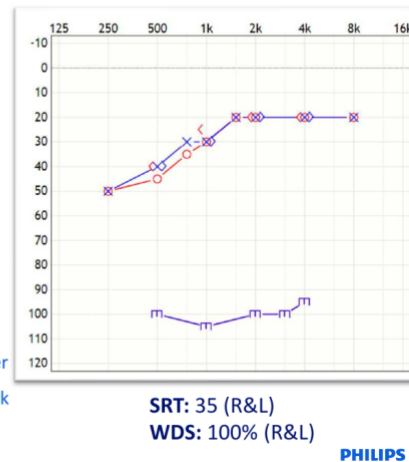


Figure 14. Case study audiogram: 55-year-old with stable reverse-slope hearing loss.

Follow-up: When speech is loud enough, background noise becomes too loud. Loud sudden noises in the classroom, like dropping books or doors slamming, are bothersome. It is still hard to follow a conversation with her husband when they cook together in the kitchen.

HearSuite Fitting Software: Easy and Efficient to Fit

Ease of use: the left side of the screen is the main fitting flow; across the top are categories within each fitting step.

Ease of use

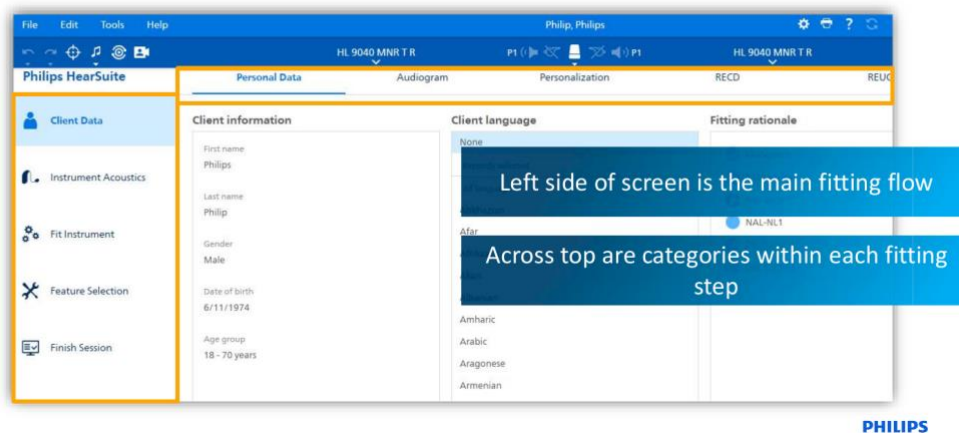


Figure 15. Philips HearSuite fitting software interface, Client Data screen.

First Fit Success: 7 Easy Steps

1. Verify fitting rationale and member
2. Verify/choose instrument acoustics
3. Set Adaptation level
4. Run SoundMap Feedback Cancellor
5. Run Real Ear verification (REM)
6. Select Programs
7. Finish session

Q1

Quiz Hint: Before completing Real Ear Measurements (REM) during a first fit, the Automatic Adaptation Gain target should be set to 100%.

Easy and Quick Support

Support Line	Purpose
Customer Excellence: 800-327-3394	For HCPs: Customer Service/Technical Support/Key Account Manager
Consumer Care: 800-327-4779	For Members: Connectivity Support

Conclusion

- Easy and efficient to wear
- Easy and efficient to fit
- Easy and fast charging
- Easy to connect
- Easy and quick support

Interactive Worksheet

Use this worksheet to actively engage with the course content. Click into each shaded box to type your response.

Module 1: Product Overview & Acoustics — Key Terms

Term	Your Definition / Note
MicroShell Detect	Click here to enter text.
Auracast™ broadcast audio	Click here to enter text.
Occlusion effect	Click here to enter text.

Guided Note — Fitting Choice:

When would you select an earhook over a miniFit thin tube for a miniBTE R fitting, and why?
[Click here to enter text.](#)

Pause & Apply 1 — Circuit Noise

If-Then Planning: complete the sentence below based on the Dynamic Directionality content.

If a member reports circuit noise in quiet environments, then I will... [Click here to enter text.](#)

Pause & Apply 2 — Speech in Noise

If a member scores high on a Speech in Noise assessment, then I will adjust the Maximum Effect setting to... [Click here to enter text.](#)

Module 2: Connectivity — Key Terms

Term	Your Definition / Note
Easy LE Adapter	Click here to enter text.
Fast Pair	Click here to enter text.

Describe a scenario from your own practice where the Easy LE Adapter would resolve a member's connectivity concern: [Click here to enter text.](#)

Case Application: Case Study 3 (55-Year-Old Teacher, Reverse-Slope Loss)

Part 1 (Initial Presentation): The member reports difficulty communicating with students and understanding her husband while cooking together.

What acoustic/fitting choices from this course support this member's goals? [Click here to enter text.](#)

Part 2 (Assessment Findings): SRT 35 dB (R&L), WDS 100% (R&L), fit with miniRITE, bass dome double, 60 speaker.

What does this fitting pattern suggest, and what cross-check measure would you use at first fit? [Click here to enter text.](#)

Part 3 (Complicating Factor): At follow-up, background noise becomes too loud when speech is loud enough, and sudden classroom noises are bothersome.

How does this change your programming plan? Which HearSuite feature(s) would you adjust? [Click here to enter text.](#)

Part 4 (Application): She still struggles to follow conversation with her husband while cooking.

What would you recommend next? Identify any red flags or referral criteria that apply. [Click here to enter text.](#)

Clinical Reference Tool: Member Communication Checklist

This tool is for clinical reference only. Always follow your facility's protocols.

Step	Notes
Confirm phone LE Audio compatibility (QR code)	Click here to enter text.
Review connectivity accessory needs (TV Adapter, Easy LE Adapter, Remote, AudioClip)	Click here to enter text.
Set Pinna Mode / Maximum Effect per member's listening environments	Click here to enter text.
Confirm Automatic Adaptation Gain at 100% before REM	Click here to enter text.

Post-Course Reflection

What was the most significant thing you learned today that surprised you or challenged your existing practice? [Click here to enter text.](#)

What knowledge gaps did this course reveal in your own skills or knowledge? [Click here to enter text.](#)

Describe a specific patient or client from your own practice where you would apply something from this course: [Click here to enter text.](#)

What is one thing you will do differently in your practice next week as a result of this course? [Click here to enter text.](#)

Action Plan

Identify at least 2 specific, measurable changes you plan to make to your clinical practice as a direct result of this course. Use the If-Then format where possible.

My Action Plan Goal	Target Date	How I Will Measure Success
Click here to enter text.	Click here to enter text.	Click here to enter text.
Click here to enter text.	Click here to enter text.	Click here to enter text.

Quiz Summary

The following quiz hints appeared throughout the course content. Use this section as a quick study reference.

Q1

Quiz Hint: Before completing Real Ear Measurements (REM) during a first fit, the Automatic Adaptation Gain target should be set to 100%.

Q2

Quiz Hint: If a member reports hearing circuit noise from their hearing aids in quiet listening environments, adjust Pinna Mode to Omnidirectional to help improve their listening experience.

Q3

Quiz Hint: For a HearLink miniBTE R fitting, choose an earhook when more power or a more secure acoustic fit is needed, and choose a thin tube when the member's hearing loss and ear anatomy support a more discreet, open-fit option.

Q4

Quiz Hint: Speech Clarifier is the advanced feature in Philips HearSuite software that can be adjusted to help improve a member's ability to understand speech in noise.

Q5

Quiz Hint: If a member has an Android phone that is not compatible with direct streaming but would like streaming and hands-free communication, the Philips Easy LE Adapter can help support these connectivity needs.

References

Dillon, H. (1985). Earmolds and high frequency response modification. *Hearing Instruments*, 36(12), 8–12.

Additional Information

Presenter Bio

Krysta Goolsby, AuD — Philips/SBO Hearing

Presenter Disclosure

Financial: Receives a paid salary from SBO Hearing US.

Non-Financial: No relevant nonfinancial relationship exists.

Additional Information (continued)

Handout Information

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Social Workers

For additional information regarding standards and indicators for cultural competence, please review the NASW resource: [Standards and Indicators for Cultural Competence in Social Work Practice](#)

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Select the "Help" option in the member dashboard to access FAQs or contact us.

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- 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.

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