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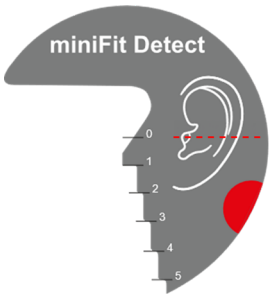
Philips HearSuite acoustic options guide

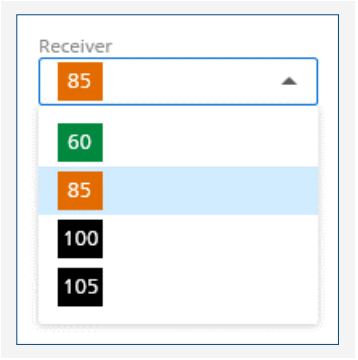
This guide provides detailed information regarding choosing instrument acoustics within Philips HearSuite software. The guide is divided into several sections, based on your specific needs, and includes the following: speaker strength, earpiece (non–custom dome), earpiece (custom earmold), and venting (for custom earmolds and custom devices).

Step 1: Choosing speaker: strength and length

Speaker strength is chosen based on member's hearing thresholds, and there are 4 available speaker strengths. For custom products, speaker strength is chosen on the order form and will be automatically detected/displayed within the software.

- **60 speaker** — only recommended for mild hearing loss and when canal space is limited.
- **85 speaker** — recommended for members with mild to mod-severe hearing loss, all thresholds above 75 dB.
- **100 speaker** — recommended for members with mod–severe to severe hearing loss, all thresholds above 90 dB.
- **105 speaker** — recommended for members with severe to profound hearing loss, or those wanting extra power.





A measuring tool is available to measure the ear for both miniFit Detect speakers and previous miniFit speakers. Measure from the middle of the canal opening. If in between sizes, select the longer length. miniFit Detect 60 and 85 speakers are available in wire lengths 0-5. miniFit Detect 100 speaker is available in wire lengths 1-5.

Note: It is recommended to choose Tools > Preferences > Display > Graph View in Acoustics > Fitting range with HTL audiogram. This will allow you to see the fitting range of all acoustic options displayed along with the audiogram within the fitting software.

Step 2: Choosing earpiece: non-custom dome

Non–custom domes are available for the HearLink 9060 miniRITE R. There are currently 4 non-custom domes available in a variety of sizes to best fit your member's canal.

- **OpenBass dome** — For use in small ear canals, comfort, and to combat occlusion.
- **Bass dome, double** — For use in dynamic ears (excessive canal movement with chewing, etc.), and to prevent feedback.
- **Bass dome, single** — To enhance low–frequency sound while maintaining comfort. Only available for the **HearLink 9060 miniRITE R**.
- **Power dome** — To prevent feedback and for members who desire a "full" fit without a custom mold.

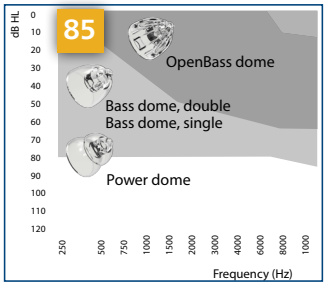
Note: Fitting ranges pictured below are recommendations. Actual fitting ranges are based on various factors such as audiogram, speaker strength, and canal size. For example, an OpenBass dome with 85 speaker is shown for a mild to moderate loss; however, a Bass dome, double vent may be necessary to meet high frequency targets without feedback.

			60	85	100	105
	**OpenBass dome**	5 mm	●	—	—	—
		6-12 mm	●	●	—	—
	**Bass dome double**	6-12 mm	●	●	●	—
	**Bass dome single***	6-12 mm	●	●	●	—
	**Power dome**	6-12 mm	●	●	●	—

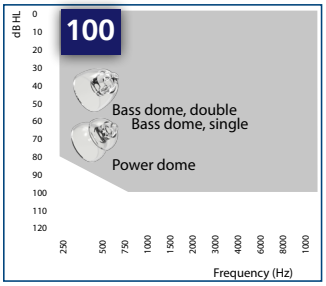
** Only compatible with the Philips HearLink 9060 miniRITE R*

Dome recommendations

Mild to moderate HL: 85 speaker strength

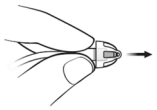


Mild to severe HL: 100 speaker strength

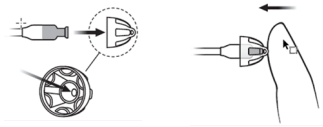


If a dome becomes filled with earwax, replace it with a new one. **To change/replace a dome,** follow the steps listed below:

1 Using a clean, dry cloth, firmly pull dome off thin tube/speaker and wipe off any oil or debris.



2 Insert the thin tube/speaker into the center of the dome and push firmly to ensure the earpiece is securely fastened.



3 ⚠ Always install a new dome. A remounted dome is more likely to fall off in the ear canal. If this should occur, please refer to Costco's policy on "Foreign Objects in the Ear Canal."

Prior to attaching a new dome, replace the wax filter:

1. Insert the empty pin of the filter tool into the wax filter in the speaker and pull the tool to remove the old wax filter.
2. Insert the new wax filter in the speaker using the other pin of the filter tool. Remove the tool and throw it away.

For dome maintenance, counsel members on daily cleaning procedures. Use only a soft, dry cloth to wipe hearing aid and earpiece free of any oil or debris. A multi–tool brush and wax loop can be used to clear earpiece of wax and debris as needed. If the dome is removed during cleaning a new dome must be placed, domes should never be remounted. Members can be instructed on proper dome replacement if they are able to safely perform the procedure or member can return to the hearing center for routine dome replacement.

Step 3: Choosing earpiece: custom mold

Mold Descriptions

LiteTip — Flexible suspension mold, ensures comfort, retention

Micro mold — For use in small or short ear canals (for a longer canal switch to canal mold). Can be ordered in:

- **Canal** — Increased retention, not recommended for members with small or narrow ear canals.
- **Skeleton** — For use with dynamic ears, or members with dexterity concerns
- **Full shell** — Enhanced seal to reduce feedback, ideal for more severe hearing losses

MicroShell Detect* — Encased mold for 60, 85, 100 and 105 speakers, optimal for small ear canals (only available with HearLink 9050 and 9060 miniRITE R)

		60	85	100	105
	LiteTip	•	•	–	–
	Micro mold	•	•	–	–
	MicroShell Detect	•	•	•	•

** All molds are clear in color, except MicroShell Detect which comes in clear, beige, light brown and black*

*** All molds are available in acrylic or silicone material, except MicroShell Detect and LiteTip (acrylic only)*

Step 4: Choosing vent: shape and sizing

The first consideration when choosing venting is vent shape. There are 4 vent shapes available in our custom devices.

- **Round** — Traditional vent shape, used when space is available.
- **Oval** — Mainly for IIC and CIC, used when space is limited.
- **Free** — Used when placement is difficult, not available with an IIC.
- **Collection** — Ideal when space is limited, and occlusion may be a concern.

The second consideration is vent sizing. It is important to understand that larger vents lead to decreased low frequency output, therefore if low frequency real-ear measurement targets can't be met ensure all acoustic options are correct, including vent sizing.

This chart can be used as a general guide for choosing vent sizing, however, "factory select" is an option on the order form and if chosen, venting style and size will be chosen based on the member's audiogram and ear impression.

Choosing vent sizing

dB HL at 500 Hz	Vent Diameter
>20- 30 dB HL	3.0 mm
30- 40 dB HL	2.4 mm
40- 50 dB HL	2.0 mm
50- 60 dB HL	1.6 mm
60- 70 dB HL	1.2 mm
70- 80 dB HL	0.8 mm

For additional assistance, visit the Help File or call Customer Support at **+1-800-327-3394**.

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