Enrich your fitting experience

Fitting Flow ReSound Smart Fit

Spring 2025

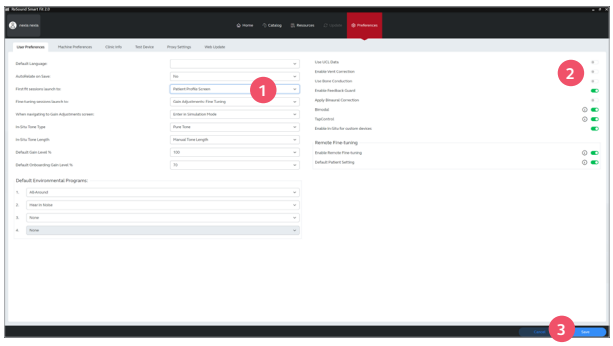


Great first fit experience

A great fitting experience is a combination of a good foundation and customization. ReSound Smart Fit™ provides you the ability to set the basis of your fitting by changing default settings with preferences. Preselecting defaults and experience levels can save time within a fitting session by beginning a fitting with your customizations. Once the base fitting is set you can make additional changes to tailor the fitting to your patient's unique needs.

Recommendations in preset settings

You can access the preference menu of the ReSound Smart Fit fitting software in the "Preferences" tab of the home screen.



1 Set first fit sessions launch to Patient Profile Screen

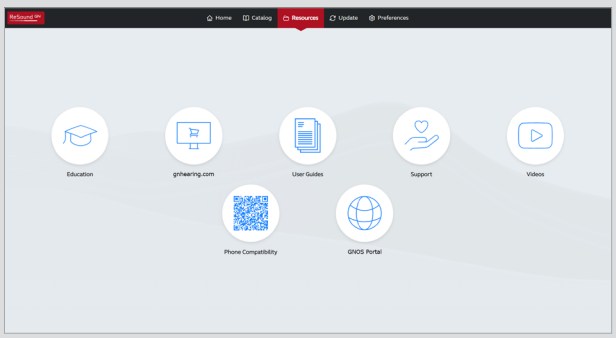
Reason: Starting on this page allows customizations to the initial fit based on previous hearing aid experience and tolerance for amplification.

2 Vent Correction view by default

Reason: The Vent Correction view is a simulation of the vent effect of the selected earpiece from the Physical Properties screen. Selecting ON will result in the display of the low frequency loss with an open or semi open earpiece. This can help determine the appropriate earpiece needed to meet target. Selecting OFF will display the hearing aid amplification regardless of earpiece.



3 Remember to **Save** changes before exiting the tab. Changes will take place upon re-launching the software.

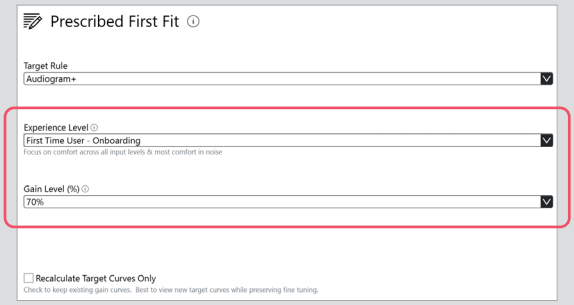


Easy access to resources

Always up to date: Navigate to "Resources" in ReSound Smart Fit and get access to a variety of e-learning modules, webinars, videos and other technical documents.

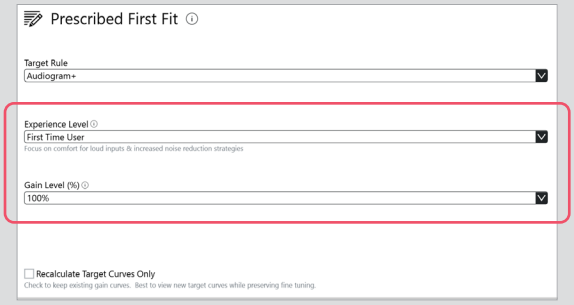
Initial fit set up with Prescribed First Fit

The initial settings for the gain prescriptions appear in the upper left corner of the Patient Profile screen. Select the desired fitting rule and customize by setting the Experience Level and Gain Level % based on the patient's previous hearing aid experience and acceptance. Experience levels will set gain targets, and noise reduction features accordingly.



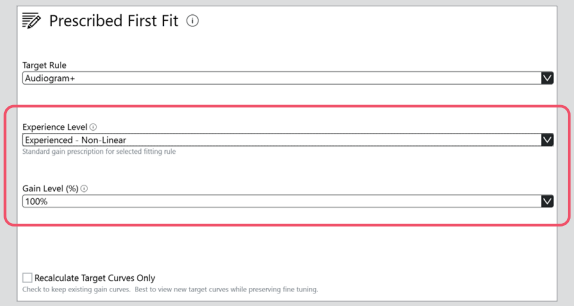
First Time User – Onboarding

This profile is designed as a solution for patients who are new to sound amplification and need to prioritize comfort and acceptance. Gain is set to 70% of First Time User targets by default. The experience level should be increased after an adaptation period.



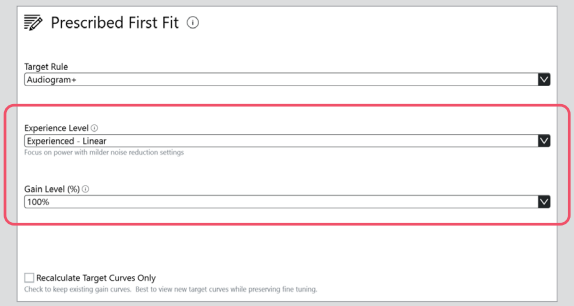
First Time User

This profile is designed for patients who are new to hearing aids and require comfort in loud or noisy environments.



Experienced Non-Linear

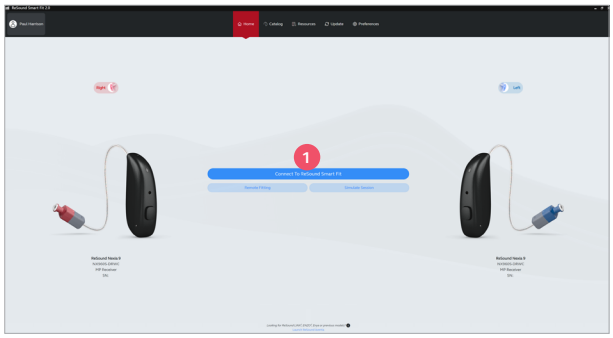
This profile is for those patients who have been wearing hearing aids and are accepting of full prescriptive targets.



Experienced Linear

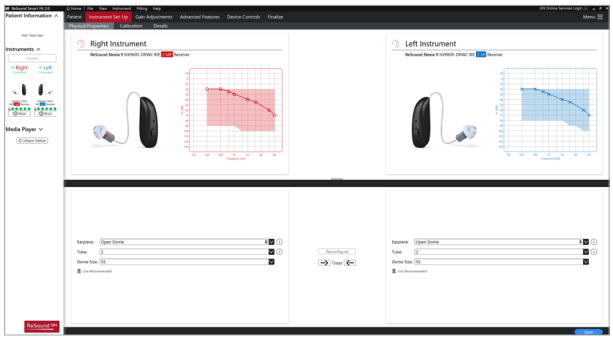
This profile is designed for patients with previous experience wearing linear amplification as it provides little compression across sound input levels.

Hearing aid connection flow

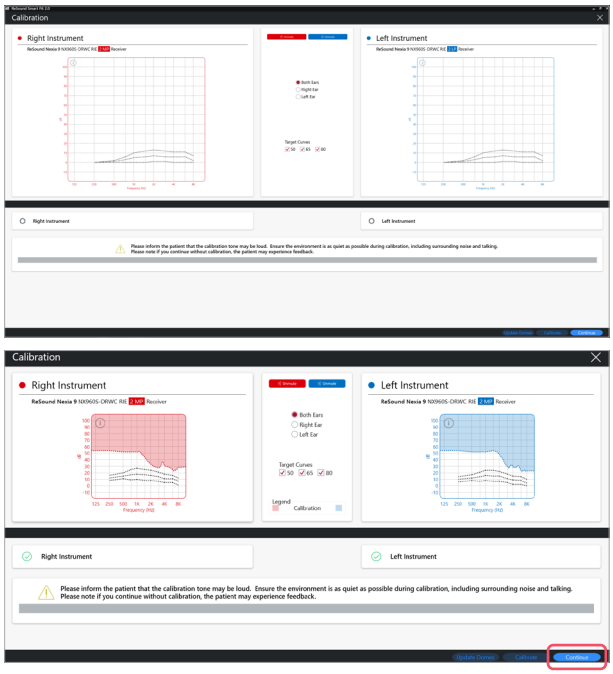


1 **Connect** the hearing aids by clicking on Connect in the home screen. On the discovery screen identify and assign the devices from the center list by pressing the button on the hearing aid, or clicking Assign to right or left.

Note: ReSound SureFit 3 receivers will automatically select the receiver side, type and length.



2 Select the earpieces fitted to the devices. The grey recommendation badge is provided to suggest an earpiece based on audiogram.

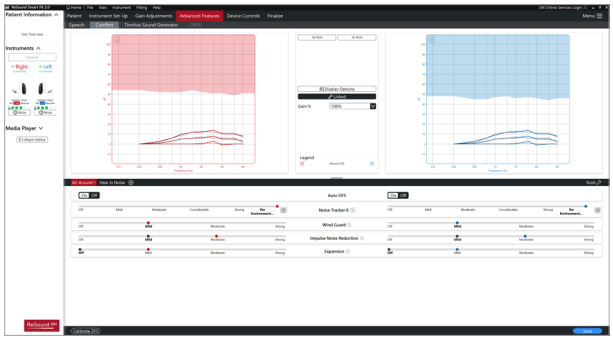


3 To ensure a fitting without feedback, DFS calibration should be performed for every fitting. DFS calibration is an in-situ measurement of the device in the patient's ears which takes the unique parameters of the patient's hearing and ear into account. A deeper DFS curve indicates a more open fitting, thus the DFS system will be working harder.

Note: DFS calibration is required before saving for devices fitted with the Microphone & Receiver-In-Ear (M&RIE) receiver.

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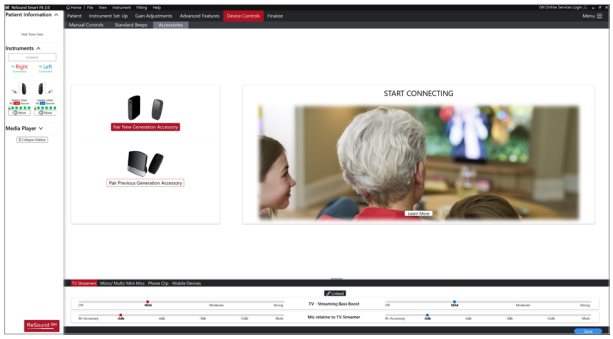
Advanced features and accessories



4 **Advanced features**

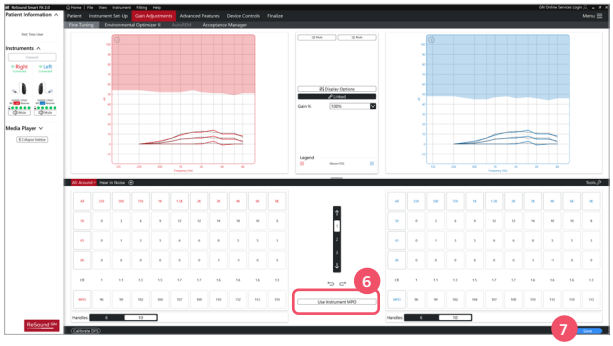
Features which provide better access to speech are found within the Speech tab. The Comfort tab contains primarily noise reduction features as well as feedback management. Other features, such as Tinnitus Sound Generator (TSG), can be found as their own unique tabs.

Note: The hearing loss thresholds, DFS calibration, hearing aid style, and selected experience level guide the default settings for some advanced features.



5 The Device Controls menu tabs contains setup options for device hardware options including button configuration, beep notifications, and wireless accessory management. Within the Accessories page, you can pair the new TV-Streamer+ and Multi-Mic+ as well as previous generation accessories. Features associated with the accessories and mobile device streaming can be adjusted here as well.

Note: ReSound wireless accessories can also be paired to the hearing aids outside of ReSound Smart Fit. All paired accessories and Bluetooth® devices will appear within the Accessories tab once the hearing aids are connected.



6 For patients without loudness sensitivity and those that have a music program, consider using Instrument MPO to avoid distortion and providing the largest possible dynamic range.



7 Click **Save** and you are done.

Additional information

Audiogram+: The ReSound fitting rule

The Audiogram+ target calculation is based on the basic idea of loudness normalization. To achieve loudness normalization, a frequency and input level dependent amplification is applied, so that hearing aid patients perceive the loudness of narrowband signals in a similar way to a person whose natural hearing dynamics are not restricted.

Hearing aid patients generally tend to prefer less amplification than the basic principle of loudness normalization would predict (Smeds, 2006; Keidser & Grant, 2003). For this reason, Audiogram+ calculates less amplification than a strict principle of loudness normalization would require.

Compared to the generic fitting rule NAL-NL2, which aims to maximize speech intelligibility, Audiogram+ calculates 3 to 10 dB less insertion gain depending on the frequency and hearing loss.

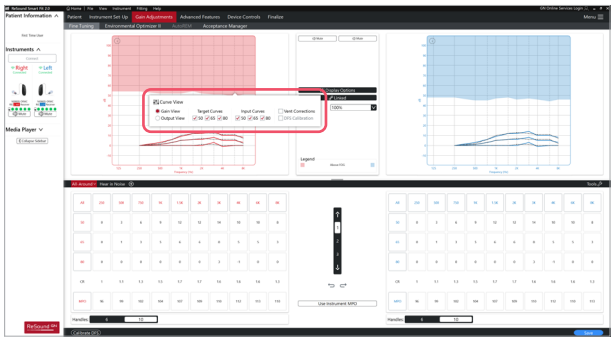
Less listening effort with M&RIE

Each listener uses unique cues as sound travels through the environment. M&RIE gives the hearing aid patient access to these natural cues again. The microphone positioned in the ear canal allows the hearing aid to access sound in a very individual way - reflected by the patient's own ear and head anatomy. This not only makes the hearing aid sound more natural, but also provides better localization cues. Hearing aid patients can better orient themselves in space and differentiate between different sound sources. The M&RIE microphone is protected by the outer ear, and as a result, wind noise is reduced by up to 22 dB compared to omnidirectional microphone transmission*.

When considering fitting M&RIE remember the receiver is slightly larger than the LP and MP due to the additional microphone and should be fitted with a more closed fitting. The M&RIE receiver was developed with Audiogram+ and it's therefore the recommended fitting rule for use with M&RIE.

*Schumacher (2023); Newall et al. (2023)

Display Options

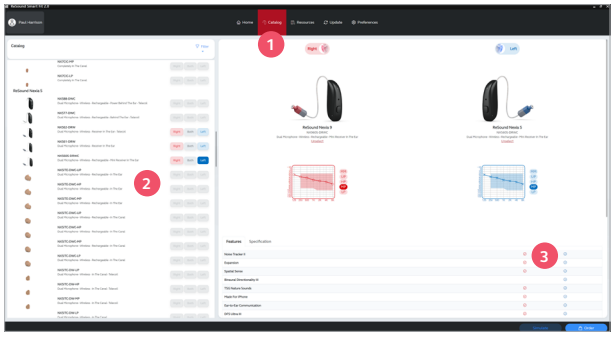


Display Options contains the Vent Correction and Output View. Both displays can be valuable in a fitting.
Output View displays the Maximum Power Output (MPO) curve. If the MPO and gain curves are compressed together, consider increasing the MPO, or change to a higher power receiver. If adjustments were made to low frequency gain and are not audible to the patient or are not visible on real ear verification, select Vent Correction View to assist in evaluating the current earpiece selection. If the gain curves are significantly below target, consider a more occluding earpiece.

Compare across technology levels

The catalog feature has become even smarter since the release of ReSound Smart Fit 2.0. Now, you can not only look up and check all our hearing aid models, but you can also compare the different devices across technology levels.

Compare hearing aid features on different technology levels for better counselling or look up the individual hearing loss for the optimal device choice.



1. **Go to** “Catalog” and browse through all hearing aid models or use the filter.
2. **Click** “Right” on the selected hearing aid/technology level and “Left” on the hearing aid you would like to compare with.
3. **Explore** the different features.

ReSound GN

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MK605921 Rev A 2025.01