

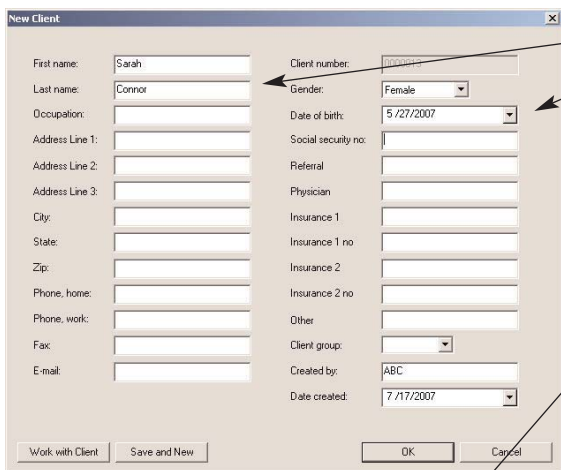


Desktop Fitting Guide for DSL v5

The new iPFG 1.7a has DSL v5 available as a fitting formula for all hearing instruments. Both the pediatric and the adult versions have been implemented. This guide describes a typical fitting via NOAH using iPFG Successware (Version 1.7a or higher).

Step 1

Clients

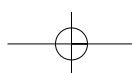
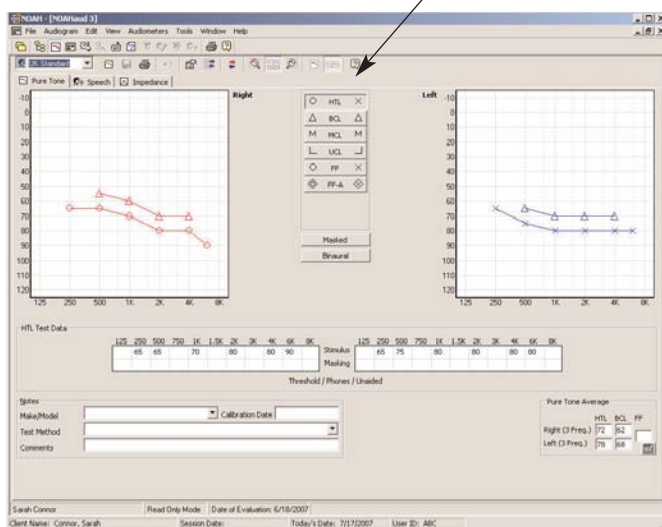


1 Enter the personal information of the client including the date of birth. DSL v5 includes new updated infant RECD norms. iPFG 1.7a automatically selects and implements the correct age appropriate average RECD based on your client's **date of birth** entered through NOAH or in iPFG's **Personal Data**.

2 Enter the client's ear specific AC/BC hearing thresholds (as well as Upper Comfort Limits if available) from behavioral audiogram or ABR/ ASSR data in the left and right **Audiogram screen**.

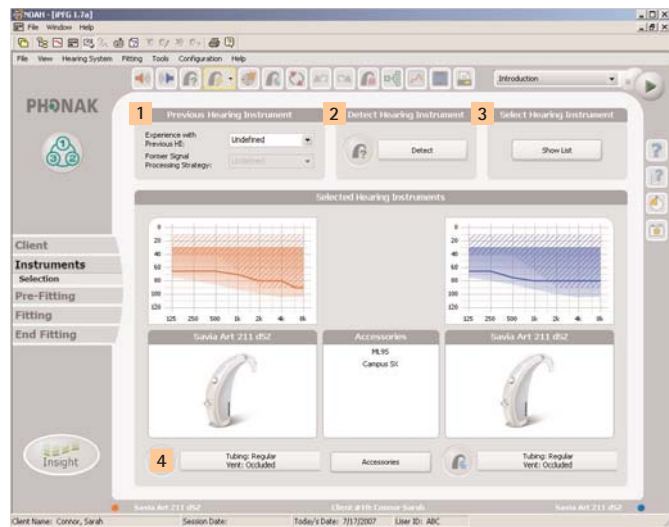
If behavioral correction values are already embedded in the ABR/ASSR equipment or if you have clinic correction values entered in System Settings in iPFG (see Advanced Fittings), the ABR values entered in the Audiogram screen will be eHL values and therefore will require no further correctional applications.

If there are no behavioral correctional default values embedded in the ABR/ ASSR equipment, the values entered in the Audiogram screen will be in nHL. iPFG will therefore apply the appropriate DSL v5 correctional values.



Step 2

Instruments



- 1 For DSL fittings, "Previous Hearing Instrument" experience is not relevant.
- 2 Click "Detect", to automatically detect connected hearing instruments.
or
- 3 Click "Show List" to view a choice of hearing aid families and their characteristics.
- 4 Select the appropriate Acoustic Parameters.

Step 3

Pre-Fitting

1

Adaptive Phonak Digital
 Phonak Digital Ski-Slope
 DSL v5
 DSL [i/o]
 NAL NL1

2

Pure Tone
 Speech

3

Loudspeaker 0° (HL)
 Loudspeaker 45° (HL)
 Loudspeaker 90° (HL)
 Real Ear (SPL)
 ABR Foam ear tip (eHL)
 ABR Foam ear tip (nHL)
 ABR Custom ear mold (eHL)
 ABR Custom ear mold (nHL)

4

Pediatric
 Adult

Fitting Formula

- 1 Select DSL v5 as your **Prescription Method**. iPFG will automatically set Experience/Loudness in the Fitting screen, to the maximum position (Level 4) to fully meet targets.

Note: DSL i/o remains available for hearing instruments introduced with iPFG versions 1.6 and below.

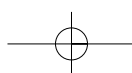
- 2 Select the correct **Verification Type** for iPFG to provide the right type of curves. Select **Speech** if targets will be verified using speech stimuli or **Pure Tone** if targets will be verified using pure tone stimuli.

Note: For optimal, realistic verification targets, ensure that the same signal type is used for a test box measurement and in iPFG 1.7a.
The displayed values for Speech are Soft, Medium and Loud.

For Pure Tones, the values are target gain 40 dB, 60 dB and 80 dB.

- 3 **New:** Select the appropriate transducer the Audiogram was measured with.

Note: In the "Audiogram Measured With" drop down box, choose ABR eHL (foam ear tip or ear mold) if the ABR equipment has correction values embedded or you have local clinic correction values. This will ensure that no further correction values are applied to the pre-calculation. Alternatively, choose ABR nHL (foam ear tip or ear mold) if the ABR equipment has no correction values embedded or you have no local clinic correction values available. This will ensure that the DSL correction values are automatically applied to the pre-calculation.



Fitting Formula (Cont'd)

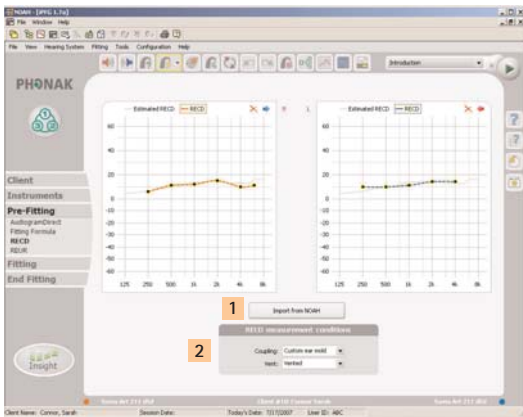
- 4 Select the appropriate **Client Type**. DSL v5 introduces lower fitting targets for adults (i.e. presumably with acquired hearing loss) and higher pediatric targets (i.e. presumably with congenital hearing loss). The adult-child difference decreases with increasing hearing loss.

Note: If fitting adults binaurally, there is a 3 dB reduction in the target gain when compared to a monaural fitting.

Real Ear to Coupler Difference (RECD)

- 1 **Individually measured RECD** data can be imported from NOAH or manually inserted.
- 2 Select the correct **coupling** and **venting** type that was used, for accurate use of your client's individually measured RECD values in the pre-calculation process.

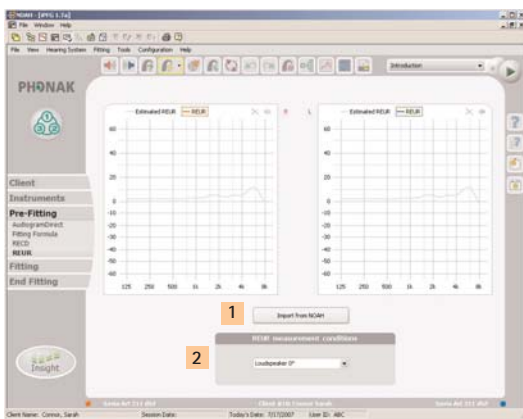
Note: Based on the date of birth, entered through NOAH or in iPFG stand-alone, iPFG will automatically select and implement the correct average RECD values if none are entered.



NEW: Real Ear Unaided Response (REUR)

- 1 Import the REUR data from NOAH or manually insert the data.
- 2 Indicate the position of the loudspeaker during the REUR measurement.

Note: Adding individually measured REUR data allows iPFG to transform sound field audiometric data in dB HL to dB SPL ear canal reference – optimizing the data for inclusion in the pre-calculation and fitting process. It also supports calculation of an REIG target reference for verification using real-ear measurements.



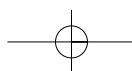
Step 4

Fitting



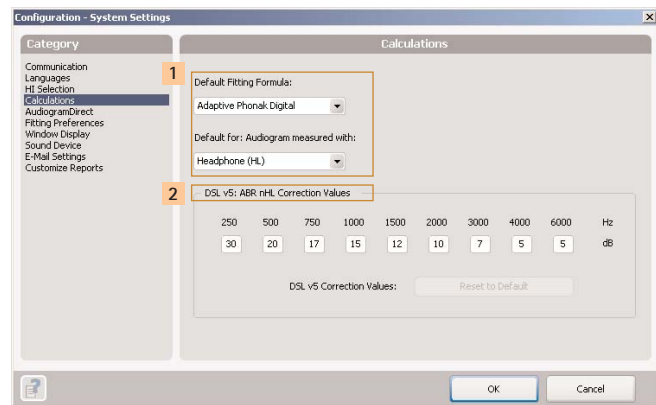
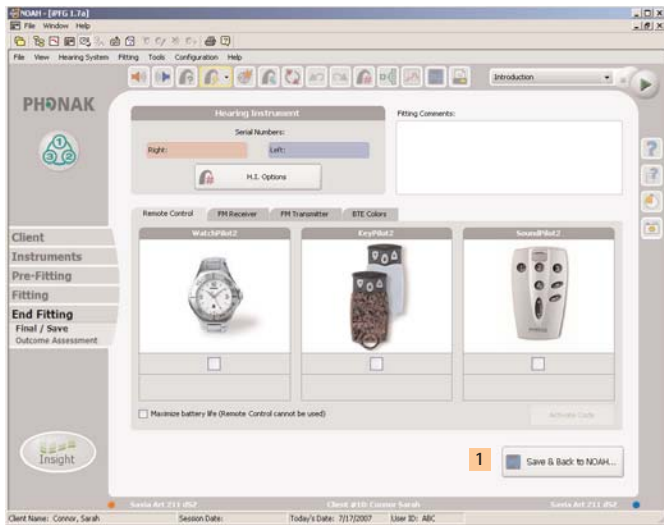
- 1 Selection of DSL v5 as a **Fitting Formula** automatically sets the Experience/Loudness level in the Initial Fit screen to Level 4 and the Occlusion Control to Off. You can adjust these settings to your own preference.
- 2 All curves shown in **Automatic Fine Tuning** or **Manual Fine Tuning** screens represent pure tone target curves. In iPFG, DSL v5 target output curves for soft, medium, loud and MPO correlate with the 40, 60, 80 dB and MPO curves shown in AFT and MFT graphs.

Note: Consult the Desktop Fitting Guide of your client's selected hearing instrument(s) for further fitting tips.



Step 5

End Fitting



Advanced Fittings

DSL v5 ABR nHL Corrections Values

If DSL v5 is the fitting formula you use most often for your fittings, it could be helpful to configure iPFG to your personal needs.

- 1 Select Configuration, choose System Settings, and then click on "Calculations". In the Calculations screen, select the appropriate default settings for **Fitting Formula** as well as settings for **Audiogram Measured With**.
- 2 For adaptation of the nHL correction values to your own equipment's standards, you can manually change the values in the screen to your clinic's correction values or you can use the DSL v5 correction values already provided in iPFG 1.7a.

Note: The default values shown on the screen are DSL nHL correction values.

Fitting reports print-out

By selecting DSL v5 fitting information, iPFG will add DSL v5 specific information to the fitting report. This includes: default or individual RECD and REUR values, and the ABR nHL correction values used for this particular client.

