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Introduction

earVenture hearing aids and eVfit software’s intuitive interface has a wide range of fitting tools that have been specifically designed to deliver an even faster, more efficient and more comfortable fitting experience.

eVfit includes evidence based fitting rationales such as NAL-NL1, NAL-NL2, and Fig 6. eVfit provides you with a user centered screen format with information and tools at your immediate disposal or just a mouse click away. The tab choices are as follows:

• The Patient / Audiogram screen allows you to review the NOAH entry of the current client’s data to ensure accuracy prior to your fitting.

• The Selection screen provides you with all relevant product information. You are able to view a complete product overview, review fitting ranges, and select a device specifically for a user’s unique hearing needs.

• The Acoustic Parameters screen allows you to select specific corrections for coupling to the ear canal, canal insertion depth, and tubing style for maximum accuracy during your fit.

• The Basic screen provides you with all the tools you’ll need to get started by initially fitting, determine the right number of programs, and select whether to use directional microphones or telecoils.

• The Advanced screen allows fine tuning adjustment of your fittings.

• The Fitting Assistant screen provides common solutions to common problems encountered during a fitting. User centered design methodology was utilized in conjunction with audiolists to customize the software to work the way you work with fitting tools designed by the practitioner.

• The Ending screen provides a final overview and completes your interaction with your clients. Customizable reports are available for you to print and for your clients to take home with them.

• The Data Logging screen provides an overview of how the hearing aid has been used. Various counseling tools are also available in this screen to review with clients.

This eVfit User Guide walks you through the eVfit software and interface structure to ensure you have the tools and information you need to assist you in creating the best fitting for your patients.
Our installation guide was created using Windows 7 and a NOAH 4 standalone system. Please note if you are using a different Windows application, NOAH 4 server-only installation, or Office Management System the installation process will be the same.
Click next on the eVfit set up wizard.

Read and accept the terms in the Licence Agreement and then click install.
Click finish on the eVfit set up wizard and then restart computer.
USER/GLOBAL SETTING GUIDE
(User Preference Settings) Enter user settings by selecting (eVfit) on the settings task bar at the top of the screen. (Click Preferences) (Click User settings)
(User Settings) From here you can select the following options shown above. (Please see each option below)
(Audiogram Settings)
Audiogram settings must be set to ASHA
(Default Environments)

Popular programs and the order that they are selected can be set as default from here.
(Global Settings) Go to eVfit on the top settings task bar. (Select Preferences) (Select Global Settings) Your computer may ask you if you would like to allow the following program from an
unknown publisher to make changes to this computer – *(Click Yes)*

*(Interface Settings)*

You can select your default programming interface in this section.
In this section you can add text email/contact information which will be added to the available print outs that can be found under (eVfit) (Print Reports)

Help Menus

Throughout the fitting process whenever there are questions regarding how a feature works, refer to the Help menu at the top of the screen (Select Help)
FAVOR FITTING GUIDE
Open eVfit via Noah or by double clicking the icon on your desktop.
eVfit will open on the Selection tab on the top task bar. Select your desired interface in the detection zone then click on the middle bar for binaural hearing instruments or L or R for monaural fittings.
This will transfer the model of hearing instruments detected and show their serial numbers.

The eVfit software will advise you that the hearing instruments are muted. (Click OK)
Select acoustic parameters on the top task bar
(Save current selections when prompted) and then choose your desired vent size or acoustic coupling if using a thin tube.
Select basic on the top task bar
Then click Left – Right or both on the auto fit section. This is very important as it will transfer your desired fitting formula and register your first fit.

(Please note that your preferred fitting formula can be set as the default under eVfit Global Preference settings)

The importance of AutoFit

Consider the need to always perform an AutoFit on a given client prior to finalizing your fitting. This is recommended as a best-practice so that a given hearing health practitioner will not get through a fitting without having ever done an AutoFit.
Select your patient’s desired programs – You can then copy them from R→L or L→R using copy sides.

Select advanced on the top task bar
You can use the equalizer settings to fine tune and match to target.
For soft medium and loud sounds you can click onto the individual sound curve.
Select Ending
You can demonstrate the battery and memory/program beeps from here.
Then save/burn your settings using BTE hearing aid tab located bottom centre of the page.

(Click Yes) to store current settings in both hearing aids.
REVEL FITTING GUIDE
Open eVfit via Noah or by double clicking the icon on your desktop.

(NOAH) eVfit will open on the Selection tab on the top task bar. Select your desired interface in the detection zone then click on the middle bar for binaural hearing instruments or L or R for monaural fittings. This will transfer the model of hearing instruments detected and show their serial numbers.

The eVfit software will advise you that the hearing instruments are muted. (Click OK)
Select acoustic parameters on the top task bar
(Save current selections when prompted) and then choose your desired acoustic coupling.

Select basic on the top task bar
Click left – Right or both on the AutoFit section. This is very important as it will transfer your desired fitting formula and register your first fit. (Please note that your preferred fitting formula can be set
as the default under the eVfit Global Preference settings) Select your patient’s desired programs – You can then copy them from R→L or L→R using copy sides.

The importance of AutoFit

Consider the need to always perform an AutoFit on a given client prior to finalizing your fitting. This is recommended as a best-practice so that a given hearing health practitioner will not get through a fitting without having ever done an AutoFit.

Select advanced on the top task bar

You can use the equalizer settings to fine tune and match to target. For soft medium and loud sounds you can click onto the individual sound curve.
Select Ending
You can demonstrate the battery and memory/program beeps from here.
Then save/burn your settings using BTE hearing aid tab located bottom centre of the page.

(Click Yes) to store current settings in both hearing aids.

**eVfit**

This will store the current settings in both hearing aids.
OK to proceed?

Don't show this again  Yes  No

Both sides: Burn-in successful

(eVfit will confirm that the settings have stored successfully)

(Click OK) Your fitting session will now be completed and will take you back to the selection tab on the top task bar which will be clear ready for a new fitting.
Open eVfit via Noah or by double clicking the icon on your desktop. (NOAH) eVfit will open on the Selection tab on the top task bar. Select your desired interface in the detection zone then click on the middle bar for binaural hearing instruments or L or R for monaural fittings. This will transfer the model of hearing instruments detected and show their serial numbers.

The eVfit software will advise you that the hearing instruments are muted. (Click OK)
Select acoustic parameters on the top task bar
(Save current selections when prompted) and then choose your desired acoustic coupling.

Select basic on the top task bar
Click left – right or both on the AutoFit section. This is very important as it will transfer your desired fitting formula and perform your first fit. Select your client’s desired programs – You can then copy them from R-L or L-R using copy sides.
The importance of AutoFit

Consider the need to always perform an AutoFit on a given client prior to finalizing your fitting. This is recommended as a best-practice so that a given hearing health practitioner will not get through a fitting without having ever done an AutoFit.

Select advanced on the top task bar

You can use the equalizer settings to fine tune and match to target. For soft medium and loud sounds you can click onto the individual sound curve.
Select Ending
You can demonstrate the battery and memory/program beeps from here.
Then save/burn your settings using BTE hearing aid tab located bottom centre of the page.

(Click Yes) to store current settings in both hearing instruments.

eVfit will confirm that the settings have stored successfully
(Click OK) Your fitting session will now be completed and will take you back to the selection tab on the top task bar which will be clear ready for a new fitting.
(Tab to select desired parameters to be adjusted)

(Equalizer settings)
You can adjust the when matching to target.

(Compression Ratio Settings) You can adjust when dealing with limited dynamic range.
**Threshold Kneepoint**
For adjusting low level speech & environmental sounds

<table>
<thead>
<tr>
<th>Equalizer Settings</th>
<th>Compression Ratio</th>
<th>Threshold Kneepoint</th>
<th>Channel MPO</th>
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<td>250 Hz</td>
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**Channel MPO**
For adjusting available headroom.

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<th>Equalizer Settings</th>
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<th>Threshold Kneepoint</th>
<th>Channel MPO</th>
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<tr>
<td>250 Hz</td>
<td>500 Hz</td>
<td>1000 Hz</td>
<td>1500 Hz</td>
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**Please note**
You can left click with your mouse on one of the in-between bars and pull a shaded box over the desired adjustment handles and then adjust all using one of the arrows.

**This Applies to all of the Tabs Above**
(Program comparison)

Allows you to temporarily compare a memory/program and then adjust and compare. Drag and drop the program – green arrow and then drop onto the compare box – orange arrow.

(You will be prompted to copy)
If your patient is happy with the adjustments you can then drag and drop it back into the original program.

(Select Swap)

You can adjust your overall gain and MPO from these two handles.

(Gain MPO)
(Polar Patterns)

Polar pattern display and selection in directional microphone modes **(Greyed out if omni directional is selected)**

**Please note** The adaptive directional threshold adjustment. Depending on the input SPL will determine when the hearing instrument enters into directional mode. This can be adjusted in 5 dB steps up and down.
(Mute Function) The mute functionality works independently in each ear.
**Show both** Will show you both fitting screens at the same time. You can make adjustments independently by selecting left and right.

**dB SPL output**
You can select a list of user display and fitting rationale from here.

**dB SPL output** Here are the selectable unit displays and fitting rational options. *Please note these options are display only and do not alter any settings within the hearing aid.*
(Data Logging Feature) You can see how often the client wears their hearing aids, and in which programs to help further enhance and counsel a client on hearing aid use.
GENERAL PRECAUTIONS
General Precautions

This eVfit fitting software will apply recommended amplification settings based on available audiometric information. Settings will be specific to each fitting. Manual modification of the fitting parameters will impact and change the amplification level prescribed. This change will be audible to the client when the instruments are connected. Caution should be exercised with clients sensitive to sounds, for example suffering from tinnitus or hyperacusis.

General Warnings

- When connected, the eVfit Fitting Software controls the acoustic amplification levels in a hearing instrument. In some acoustic environments, over-amplification can cause discomfort or injury to the client.

- The Fitting System provides initial default amplification settings based on hearing threshold levels. These default settings could be higher than stable levels and cause feedback when amplification is first applied.

- The maximum stable gain estimates are based on the saturation response of the hearing aid for high level inputs, the presence of active feedback suppression, and a headroom estimate. The headroom value is meant to be conservative however the presence of directionality has shown to give inaccurate estimates of maximum stable gain. The risk is that, under some situations, The Fitting System could show that the hearing instrument is stable when it is actually close to unstable and in risk of feedback.

- The Fitting System uses the NOAH entered audiogram data for determining optimal gain settings. The parameter used is selectable between “first time user” and “experienced user.” Using “first time user” may give a less than optimal initial fitting but should not pose a safety risk. The algorithm has been independently validated with the specification and verified to be consistent with Fitting Software

- Sustained feedback on high power devices can damage residual hearing.

- Warning to hearing care practitioners

Special care should be exercised in selecting and fitting hearing instrument(s) whose maximum sound pressure level exceeds 132 dB SPL with an IEC 60711-1981 occluded ear simulator, because there may be a risk of impairing the remaining hearing of the hearing instrument user.

WARNING points out a situation that could lead to serious injuries.

CAUTION indicates a situation that could lead to minor and moderate injuries.