

TrueFit programming guide

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Programming in TrueFit

This guide will lead you through the steps of fitting hearing instruments using Unitron's TrueFit fitting software. Some screens or features described in this programming guide may not be available with all products. Prior to detecting the hearing instrument(s), choose your desired programming interface:

- If using iCube, insert batteries into the hearing instruments and close the battery door. Place hearing instruments on your client's ears and place the iCube around your client's neck or place the hearing instruments inside the iCube neck loop.
- If using NOAHlink or HI-PRO with BTE hearing instruments, open the battery door and insert the programming cable into the programming port. Connect the other end of the cable to the NOAHlink or HI-PRO.
- If using NOAHlink or HI-PRO with ITE hearing instruments, remove the battery door and insert the programming cable. Connect the other end of the cable to the NOAHlink or HI-PRO.

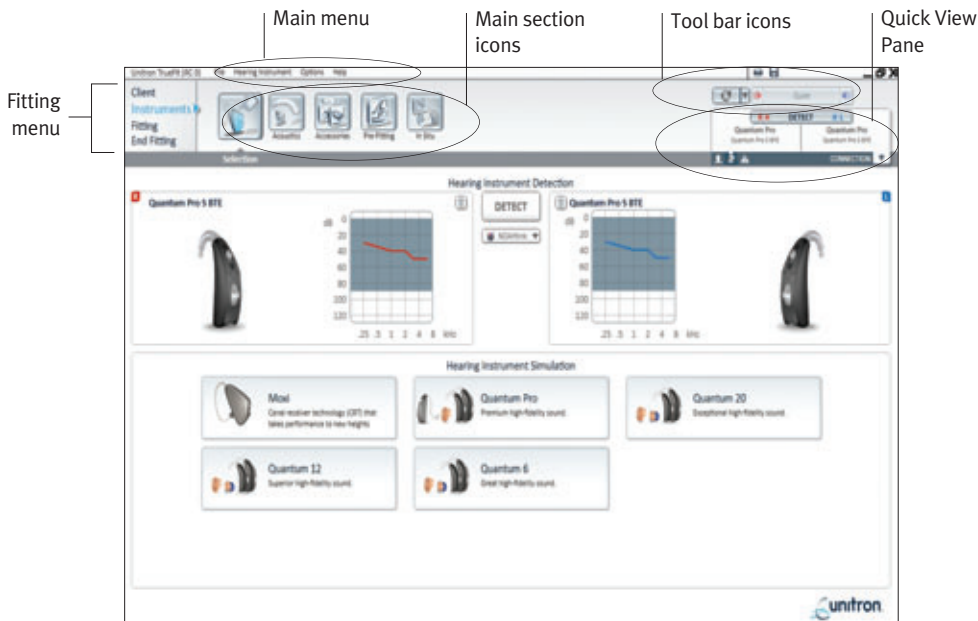
Note: Hearing instrument controls, accessories, easy-t, easy-DAI, audio streaming, and automatic microphone options are deactivated during programming.

Note: BTE hearing instruments are initially quick fit to a 40 dB HL flat hearing loss upon shipping. ITE hearing instruments are quick fit to the client's audiogram if supplied; otherwise, the devices are quick fit to a 40 dB HL flat hearing loss.

Note: For micro CIC products, ensure you are using the correct MIC programming cable to avoid damaging the hearing instrument.

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When you are ready to program your hearing instruments in TrueFit, certain sections of the screen (Main Menu, Tool Bar, Quick View Pane) will remain constant during the fitting process. Brief descriptions of these sections are found below.



Main menu

The main menu is available at the top of each screen and consists of these options:

File

- **Import client:** imports previously exported TrueFit client data.
- **Print:** opens a window that shows the documents available such as the Fitting Report and the Getting Started Guide. The selected documents can be previewed, printed or saved from this window.
- **Save:** saves the current fitting information. Choose from **Save to hearing instrument**, **Save to database**, or **Save to accessories** (if accessory added to fitting).
- **Close Untron TrueFit:** exits the software application. You will be prompted to save your fitting information if you have not done so before closing TrueFit.

Hearing Instrument

- **Save:** saves the current fitting information. Choose from **Save to hearing instrument**, **Save to database**, or **Save to accessories** (if accessory added to fitting).
- **Test Mode:** sets the hearing instrument into a test mode so you can compare the electroacoustic performance of the device to the published ANSI / IEC specification data sheets.

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- **Verification Mode:** sets the hearing instrument into a verification mode to allow testing without the interference of adaptive features.
There are 3 options:
 - Adaptive features active: default state.
 - Real Ear Verification: all adaptive features are disabled except for Natural Sound Balance and input selection.
 - 2cc Coupler Verification: all adaptive features and input selection are disabled.
- **HI Upgrade:** checks if newer functionality is available for the connected hearing instrument. If an upgrade is available, the instrument maintains its fine tuning and new features become enabled.
- **HI Repair:** will attempt to fix a hearing instrument with corrupted data. The client record stored in the database will not be affected.

Options

- **Preferences:** generates the user preferences dialog box with the following options:

General:

- **Language:** select the preferred language for text and sound files.
- **Presentation:** select your preferred level of animations.
- **Support:** generate Truefit logging information for support.

Fitting Session:

- **Diagnostics:** choose the preferred bone conduction symbol and view/adjust the DSL v5 ABR nHL to eHL correction values.
- **Fitting:** choose the default fitting formula and indicate if speech verification curves are available from the curve display options on the pre-fitting screen.
- **Presentation:** select the preferred tuning values display (absolute or relative); select visibility options for CR values; hide or show preparation instructions for the feedback wizard and the in situ test wizard.

Reports:

- **Curve Design:** select the preferred output curve type. Choose from: HL, SPL Real Ear, SPL 2cc, SPL Ear Simulator.

Fitting Device:

- **Communication:** fitting device management selects whether the fitting device is accessible by other programs while using TrueFit.
- **NOAHlink:** enable/disable the NOAHlink, perform a system check, configure properties, or start the pairing wizard.
- **HI-PRO:** enable/disable the HI-PRO, perform a system check or configure.
- **iCube:** enable/disable the iCube, perform a system check via USB or wireless connection, upgrade iCube firmware, or start the iCube pairing wizard.

Sound System:

- **Sound Output:** select stereo speaker or Aurical.

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- **Calibration:** calibrate to ensure media player sound files are presented at the correct level. Manual calibration uses a sound level meter. Play the calibration noise and adjust the TrueFit volume slider and/or Windows volume slider until you measure 80 dB (A) at the listening position (where the client will sit). For Automatic calibration start the calibration wizard. This process uses the hearing instrument to measure and adjust the sound level.
- **iCube Configuration:** opens the iCube configuration section in Preferences. The screen provides ability to enable/disable the iCube, perform a system check via USB or wireless connection, upgrade iCube firmware or start the iCube pairing wizard (i.e., add an iCube).
- **Accessory Firmware Upgrade:** opens a dialog box used to update uDirects and remote controls. The accessory must be connected to the computer using an USB cable. After detecting the device, TrueFit will offer available firmware upgrades.

Help

- **Online Help:** links to the Unitron online Help page.
- **Contact Us:** links to the Unitron Contact Us web page.
- **Unitron Website:** links to the Unitron website.
- **Support:**
 - **Generate Support Package:** produces a .zip file with relevant support information that can be sent to the Unitron Software Support team, for troubleshooting purposes.
 - **Homologation Settings:** sets the hearing instrument into a test mode used for certification of product parameters.
 - **Export Client for Support:** exports client data from the software for support/troubleshooting purposes.
- **Support Materials:** links to support material on the fitting computer (if installed)
- **About DSL v5:** generates a dialog box displaying notices related to the DSL v5 formula.
- **About Unitron TrueFit:** generates a dialog box displaying the software version and copyright notices.

Tool bar icons

There are tool bar icons available at the top of each screen.

The tool bar icons beside the Main Menu are:



Print icon: opens a window that shows the documents available such as the Fitting Report and the Getting Started Guide. The selected documents can be previewed, printed or saved from this window.



Save icon: saves the current fitting information. Choose from **Save to hearing instrument**, **Save to database**, **Save to accessories** (if accessory added to fitting).

The tool bar icons above the quick view pane are:



Quick Fit: quick fits the hearing instrument parameters based on the option selected in the Recalculate menu. The Recalculate menu is accessed with the drop-down arrow beside the Quick Fit icon. It provides the following options for the right, left or both hearing instruments:

- Use Audiological and Acoustic Data: uses new audiological and acoustic data to quick fit
- Reset frequency response
- Reset adaptive features
- Discard current fitting and start over: resets hearing instrument(s) to default settings

Note: The Quick Fit icon will highlight when a quick fit is recommended during the fitting.

*Note: The **discard current fitting and start over** option keeps the current feedback test results. To discard the feedback test results, click on the discard icon on the feedback optimization screen or re-run the feedback test.*



Mute / unmute icons: indicates the current state of the hearing instrument(s): muted or unmuted. Mute / unmute can be selected individually for each device or binaurally by clicking the centre of the button. The centre of the button also lists the currently active environment for the hearing instrument(s).

Quick View Pane

The quick view pane is a multi-tab panel in the upper right of the TrueFit screen that provides useful information on the current status of the hearing instrument fitting. Each tab can be expanded by clicking on the down arrow to view additional details relating to that section.

The various tabs serve different purposes:

Client tab

Provides the client's name, number, last audiogram date, hearing instrument type and accessories. Clicking on the down arrow also provides access to more information on the hearing instruments, date of birth, and an area for note entry.

Connection tab

Lists current hearing instrument(s) along with the current connection status for each ear. An **X** icon next to the associated side (R or L) indicates the device is not connected, while a **checkmark** indicates the device is connected. If the connection is lost at any point, click the **Detect** bar on the Connection tab to reconnect. Click the down arrow to select the desired programming interface: NOAHlink, iCube or HI-PRO.

Alerts tab

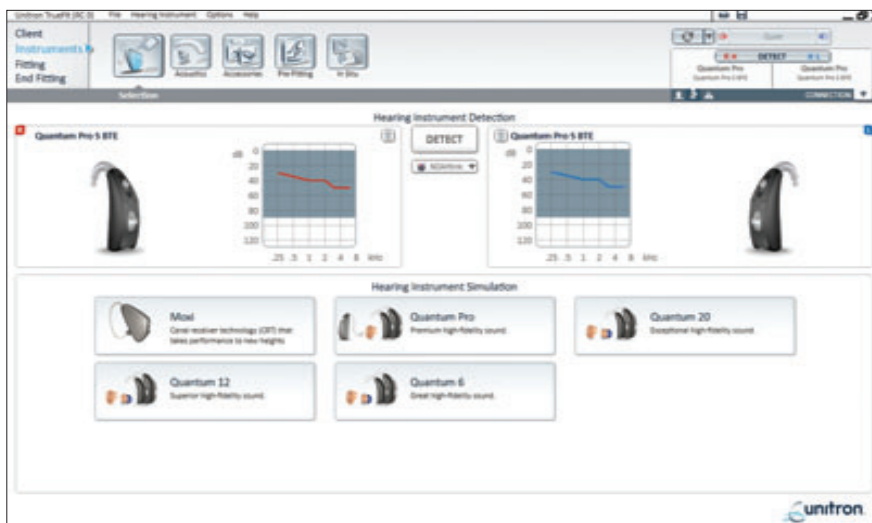
Provides fitting help and alert messages during the fitting. A yellow-highlighted alerts tab appears momentarily to inform you of items that could impact your fitting should a fitter action result in the need to modify the hearing instrument (e.g., quick fit) or affect another software screen (e.g., program removal changes program toggle on remote control). Clicking the down arrow provides a list of all help and alert messages that have occurred during the current fitting. The alert messages are automatically removed after being addressed during the fitting, after closing a session or via the remove icon on the alert tab.

Fitting menu overview


Contains the main categories of a fitting: Client, Instruments, Fitting and End Fitting. The main section icons beside the fitting menu will change based on which fitting menu category is selected. For example, under Client, the main section icons are: Information, Audiogram, RECD, REUG. Details of each of these different sections are included in this programming guide.

Task navigation

Once you have opened a task (e.g., Phase Canceller, AntiShock) by clicking the icon, you can move to your next task by either clicking the **x** icon on the header of that box, or by clicking directly on a different task. On some screen resolutions, you may need to use the navigation arrows along the bottom of the screen to scroll along and view the various task items that are available.



Curve display options

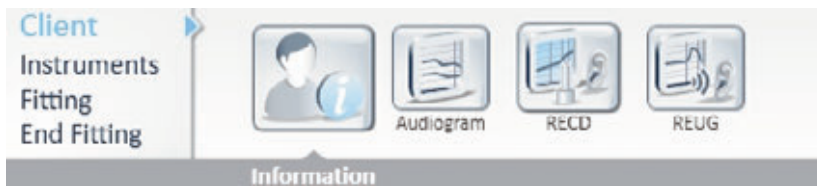
On any screen displaying a graph, you can change the items shown by clicking the **curve display**  icon above the upper right graph. Adjustments made here are applied to both the left and right graphs.

Depending on the section of the software, the fitter will have the option of choosing:

- Gain: insertion gain, real-ear, 2cc or ear simulator. Also, option of showing feedback threshold obtained during the feedback test.
- Output: HL real-ear, SPL real-ear, SPL 2cc or SPL ear simulator. Also, option of showing HTL (hearing threshold) and UCL (uncomfortable loudness) data.
- Input / Output: SPL real ear, SPL 2cc or SPL ear simulator, each available at .5, 1, 2, 4, 6, 8 kHz
- Audiogram: displays current audiogram used in software
- Show target: displays the target curve for the current view
- Show calculated response: displays the original quick fitted hearing instrument response for the current view
- Verification graph: (available in pre-fitting screen only) displays hearing instrument response and target curves based on speech inputs at 50 / 65 / 80 dB SPL. Fitter has option of showing curves in gain (insertion gain; 2cc coupler) or output (SPL real-ear)

Note: When the mouse cursor is positioned over items on the graph, a legend appears providing further details related to that item.

Client menu




a. Information


When running TrueFit under NOAH, the information screen is primarily for reference, with only the **Experience Level** dropdown box described below being used.

When running the TrueFit standalone version, the information screen is the interface with the client database.


To enter a new client in standalone:

1. Click on the **New Client** button.
2. Enter the client information in the appropriate fields. The minimum required information is indicated with an asterisk (*).
3. Click Save. A Client Summary table at the bottom of the screen will be populated with the client information and the client will be visible in the Clients and Sessions table.
4. Click on the **Blank Session**  icon or button to start a new session for the client.
5. Select the client's Experience Level with hearing instruments using the experience level dropdown box. Choose from:
 - i. **First time** – no experience with hearing instruments
 - ii. **Short term / Part time** – 30 to 90 days experience with hearing instruments or intermittent experience
 - iii. **Long term** – recently used hearing instruments full time for more than 90 days

Note: the Experience Level selection will impact the starting setting for the Automatic Adaptation Manager


To edit client information in the future, click on the **Edit Client**  button in the summary area, or click on the edit icon in the Clients and Sessions table.

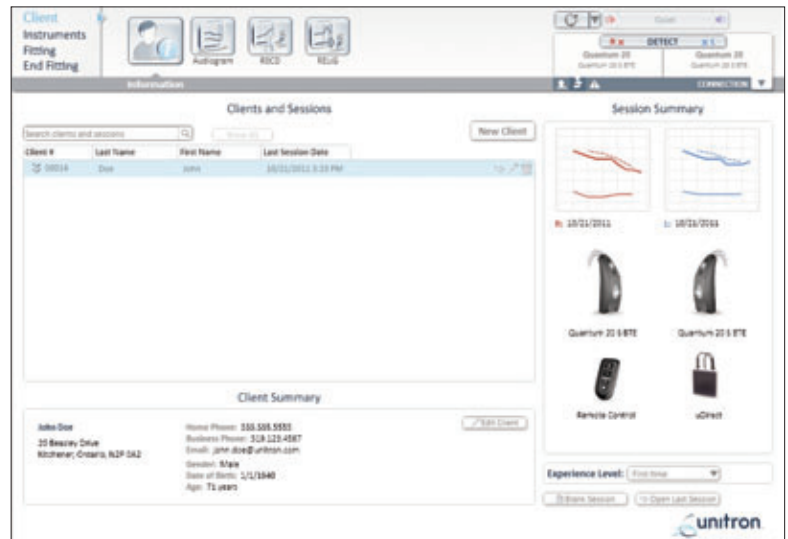
To find client information in the database:

1. Type the client name and/or session information into the search field.
2. Click the **Search**  icon. A list of client records matching the search criteria is displayed in the table. The list may be sorted by clicking the column headings.

To create a fresh session for the client containing no previous audiometric or fitting information, click on the **Blank Session**  icon.

In the Clients and Sessions table:

- Double clicking on a client will open the last session for that client or if the client does not have any sessions it will open a blank session.
- You can delete a specific client by clicking on the client and then clicking the **Delete Client**  icon.



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- For each client you can view all of their session information by clicking on the chevrons to the left of the client number.
- You can open a specific session by clicking on that session and then clicking the **Open Session** button or icon.
- You can delete a specific session by clicking on the session and then clicking the **Delete Session** icon.
- You can create a blank session for a client by clicking on the client information and then clicking **Blank Session** icon.

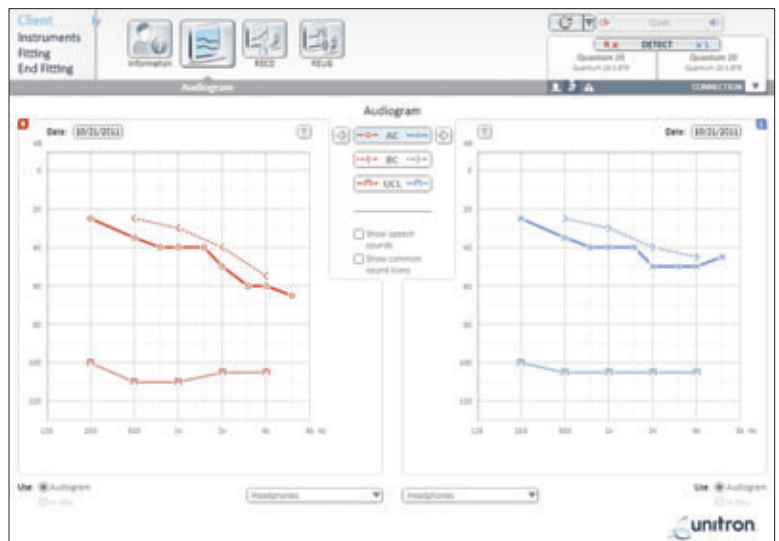
Note: when a blank session is created, the Session Summary information for the client screen will not change because the new blank session has not been saved yet and you will still be viewing the previous Session Summary. Only the Experience Level will change if it was different from the default.



b. Audiogram

When running TrueFit under NOAH, the audiogram screen is primarily for reference, with only the **transducer used for audiometry** dropdown box described below being used. To enter or change audiometric information, use the NOAH audiogram module.

When running the TrueFit standalone version, the audiogram screen provides the ability to enter the client's audiometric test results. Select the transducer used for audiometry from the dropdown menu. Choose from: Headphones, Insert earphones, Custom earpiece (earmold); Loudspeaker (0, 45, or 90 degrees azimuth); ABR insert earphones (eHL or nHL); ABR custom earmold (eHL or nHL).



Note: ABR eHL and ABR nHL data is only used with the DSL v5 fitting formula.

To complete the audiogram, enter the data for the appropriate ear by clicking on the graph. Right clicking on the graph provides the option to: Set point, Remove point, Remove all points or Copy (all curves) or Copy selected curve to the other ear. In addition, right clicking provides the option of specifying the measurement type for each data point; choose from: Unmasked, No response, Unmeasurable, Masked, Masked and no response or Masked and unmeasurable.

To enter air conduction data, click on the AC button.

To enter bone conduction data, click on the BC button.

To enter uncomfortable loudness level data, click on the UCL button.

Note: NAL-NL1 does not use UCL data for target generation.

To copy the entered curve from one ear to the next, click on the arrow icons above the graph for the respective ear.

To delete all of the curves on the audiogram, click on the Remove (**Delete**) icon.

Click on **Use Audiogram** to use entered standard audiometric data for fitting formula targets.

Click on **Use In Situ** to use previously measured In Situ data for fitting formula targets.

*Note: in cases where an In Situ measurement was previously conducted, you will see this information faded in the background behind the standard audiogram data when **Use Audiogram** is selected.*


If desired, speech sounds and common sound icons can be displayed on the audiogram for counseling purposes by selecting the check box for the desired information.



c. RECD

This screen provides the option to enter RECD values. If RECD values have not been measured, you may skip this screen.

To complete the RECD screen, enter the data for the appropriate ear by clicking on the graph. Right clicking on the graph also provides the option to: **Set Point**, **Remove Point**, **Remove all points** or **Copy** to the other ear.

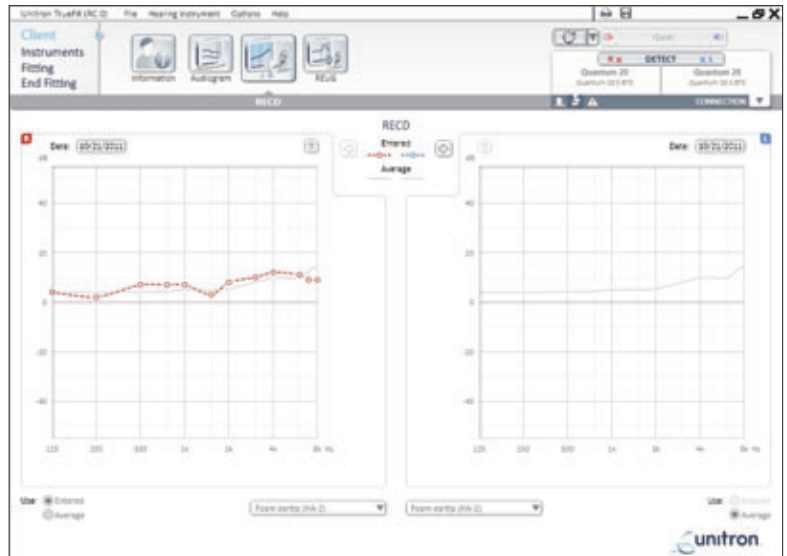
To copy the entered curve from one ear to the other, click on the arrow icons above the graph for the respective ear. To remove the curve, click on the Remove (**Delete**)  icon.

Select the earpiece used during the measurement from the drop-down menu; choose from: **Custom earmold vented**, **Custom earmold occluded** or **Foam eartip**. TrueFit will default to the appropriate zcc coupler reference.

Click on **Use Entered** to use the RECD data entered into the graph as the basis of fitting formula targets.

Click on **Use Average** to use age appropriate average RECD values as the basis of fitting formula targets.


Note: If a hearing instrument is already selected a grey curve will appear on the RECD graph. This grey curve represents the average data for the client's age and earpiece condition. If no RECD data is entered, age- appropriate average values generated by the selected fitting formula are used for the quick fit calculation.



d. REUG

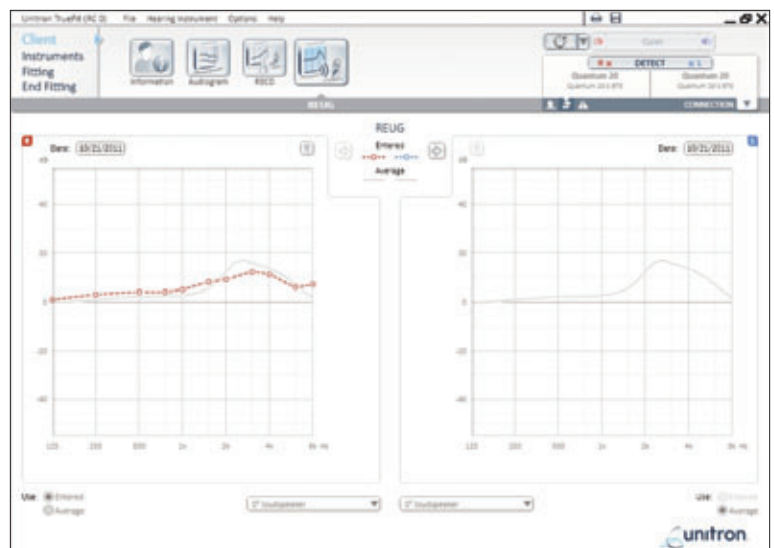
This screen provides the option to enter REUG values. If REUG values have not been measured, you may skip this screen.

To complete the REUG screen, enter the data for the appropriate ear by clicking on the graph. Right clicking on the graph also provides the option to: **Set Point**, **Remove Point**, **Remove all points** or **Copy** to the other ear.

To copy the entered curve from one ear to the other, click on the arrow icons above the graph for the respective ear. To remove the current curve, click on the Remove (**Delete**)  icon. Select the sound field speaker location used during the measurement from the drop-down menu, choose from: **0 degrees**, **45 degrees** or **90 degrees** azimuth.

Click on **Use Entered** to use the REUG data entered into the graph as the basis of fitting formula targets. Click on **Use Average** to use age appropriate average REUG values as the basis of fitting formula targets.

Note: If a hearing instrument is already selected a grey curve will appear on the REUG graph. This grey curve represents the average data for the client's age and speaker location. If no REUG data is entered, age-appropriate average values generated by the selected fitting formula are used for the quick fit calculation.



Instruments menu



a. Selection

The Selection screen provides the option to either detect or simulate a hearing instrument fitting.

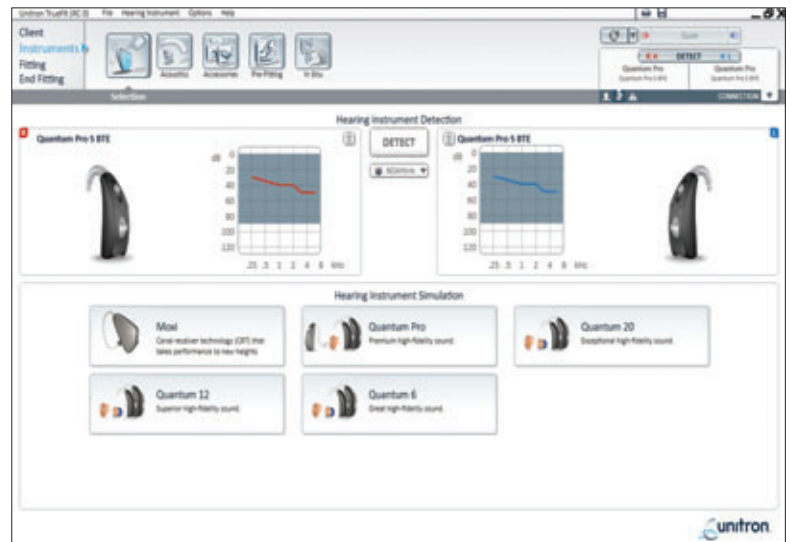
Detect hearing instrument(s):

1. Choose the desired programming interface from the drop-down menu. Choose **iCube**, **NOAHlink** or **HI-PRO**.

*Note: If using iCube for the first time, you will need to configure the iCube. From the top menu, select **Options...** > **iCube Configuration** and follow the on-screen instructions.*

2. Click the **Detect** button to perform a binaural detection.

*Note: BTE fittings using iCube may need to be assigned to a side (right or left). Select the **Play beep** button in the Detection dialog window to confirm the side assigned to each instrument.*



3. In cases where the data in the hearing instrument differs from that stored in the software:
 - Click **Use fitting from hearing instrument** to use data stored in the hearing instrument (including any data logging / learning information).
 - Click **Use fitting from this session** to use data stored in the software.
 - Click **Create new fitting** to setup the hearing instrument using software defaults.

The hearing instrument model, style, matrix and serial number are displayed after detection along with the audiogram and fitting range for each side. In addition, the communication status is updated on the connection tab of the quick view pane (upper right corner of screen).

Simulate hearing instrument(s):

1. Click the button for your desired product line in the hearing instrument simulation section at the lower part of the screen.
2. Depending on the product selected for simulation, you will have different options available.



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- For Quantum products, choose the desired form factor type: BTE, Custom Wireless or Custom Non-wireless.
 - With BTE products, click the picture of the product you desire.
 - With Custom products, click the picture of the product you desire. Select the desired shell type from the shell drop-down menu (if applicable). Select the desired receiver type from the receiver drop-down menu (if applicable).
- For Moxi products, click the picture of the product level you desire.

*Note: When selecting product for simulation, clicking the centre of the button performs a binaural selection, while clicking the **R** or **L** buttons performs a monaural selection.*

The hearing instrument model, style, matrix and key features are displayed after simulation along with the audiogram and fitting range for each side. If desired, you can simulate other products by clicking the picture of the desired product line on the left column of the screen. Furthermore, if you wish to detect a product while on the simulation screen, select the desired programming interface from the drop-down menu in the upper left column of the screen, and then click **Detect**. The process will follow the steps outlined above in the *Detect hearing instruments* section of this guide.



b. Acoustics

Select the Acoustics screen to configure items such as: coupling, venting, earhook, tubing, earpiece and receiver unit.

BTE and Moxi instruments

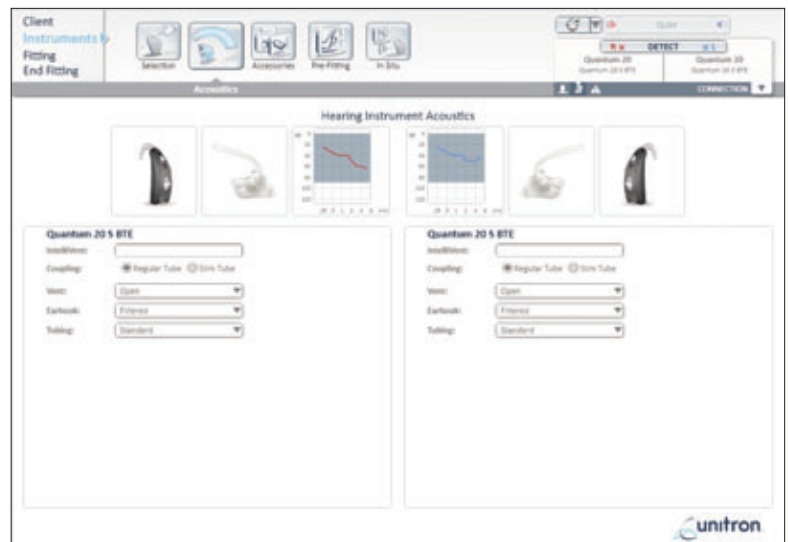
- If you have ordered your earmold, cShell, Power Shell, or sleeve molds with IntelliVent, enter the code and the software will automatically configure your hearing instrument for optimal venting.
- For BTE's select **Regular Tube** or **Slim Tube**.
- For BTEs with Slim Tube, select your **Ear Piece** and **Tubing Length** (optional).

Note: The tubing length parameter is for record keeping and has no impact on the output of the system.

- For BTEs with an earhook, select your **Vent** size, **Earhook** type and **Tubing** type.
- For BTEs with external receiver (Moxi), select your **Receiver**, **Ear Piece** and **Wire Length** (optional).

Note: The wire length parameter is for record keeping only and has no impact on the output of the system.

*Note: Select the **Quick Fit**  icon after configuring the acoustic parameters to ensure the product fitting considers these aspects.*



Custom instruments

- For custom instruments, you can configure the vent. If you have ordered the custom products with IntelliVent, the software will automatically read the code and configure your hearing instrument for optimal venting.




Note: With simulated fittings, you can also select the shell type and receiver type using the provided drop-down menus on the Acoustics screen (if applicable). In contrast, these parameters are read from the detected hearing instrument and cannot be changed through the software.




c. Accessories

Use the Accessories screen to add the Smart Control, Smart Alert, Remote Control, uDirect™ and/or uDirect 2 accessories to your fitting. When the **Accessories** button is clicked, all accessories that are possible to add to this fitting will be displayed. If an accessory button has a check mark in the corner, then at least one of these accessories has been added to the fitting. You will also see the serial number of an activated accessory or the word **Simulated** if the accessory has just been simulated.

To pair Smart Control or Smart Alert:




- Click the **Smart Control**  or **Smart Alert**  item.
- Click the **Activate**  button.
- The Pair new Smart Control or Pair new Smart Alert pairing wizard appears. Follow the onscreen instructions to pair the remote with the hearing instrument(s).
- After pairing, you will be provided with a graphic of the remote, along with check boxes and drop-down menus to configure the remote.
- If desired, you can also enter the serial number of the paired remote in the provided serial number box for record keeping purposes.




*Note: You can select the **Delete**  icon to remove any paired accessory from the fitting. You can add up to a total of 2 Smart Controls and Smart Alerts to the hearing instrument fitting.*


Note: If a Smart Alert is added to the fitting, the Smart Control scroll wheel cannot be configured as a volume control since both accessories share the same underlying communication technology.


To simulate Smart Control or Smart Alert:

- Click the **Smart Control**  or **Smart Alert**  item.
- Click the **Simulate**  button.
- The serial number box will say **Simulated Smart Control** or **Simulated Smart Alert** and a graphic will appear with various configuration options.

*Note: You can select the **Delete**  icon to remove any simulated accessory from the fitting. You can add up to a total of 2 Smart Controls and Smart Alerts to the hearing instrument fitting. Any simulated remote can later be added to the fitting by clicking the **Activate** button directly beside the row assigned to the simulated accessory.*


To pair Remote Control:


1. Click the **Remote Control**  item.
2. Click the **Activate** button.
3. A **Detect new accessories** pairing wizard appears. Connect a USB cable to the remote control and your computer, and follow the on-screen instructions.
4. After pairing, the serial number of the paired remote control is automatically shown in the serial number box. Various check boxes and a drop-down menu appear to configure the remote control.

*Note: You can select the **Delete**  icon to remove any paired accessory from the fitting. You can add up to 4 remote controls to the hearing instrument fitting.*



Note: To modify the configuration of a paired remote control, click on the serial number of the device you would like to modify.

To simulate Remote Control:

1. Click the **Remote Control**  item.
2. Click the **Simulate** button.
3. The serial number box will say Simulated Remote Control and a graphic with various configuration options appears.

*Note: You can select the **Delete**  icon to remove any simulated accessory from the fitting. You can add up to 4 remote controls to the hearing instrument fitting. Any simulated remote control can be added later to the fitting by clicking the Activate button beside the row assigned to the simulated accessory.*

To pair uDirect™:

1. Click the **uDirect**  item.
2. Click the **Activate**  button.
3. A **Detect new accessories** pairing wizard appears. Connect a USB cable to the uDirect and your computer, and follow the on-screen instructions.
4. After pairing, the serial number of the paired uDirect is automatically shown in the serial number box. Various check boxes and a drop-down menu appear to configure uDirect. These controls include:

- **Dialing Options**

- Voice Dial** – select to enable voice dialing on phones supporting this feature.

- Redial** – select to enable redialing of the last number called on phones supporting this feature.


- **Input Volume Corrections:** used to increase or decrease signal level of various input paths through the uDirect.

- Bluetooth Phone** (in the uPhone program)

- Bluetooth Audio** (in the uAudio program)

- Audio Input Jack** (in the uAudio program)



- **Allow uDirect streaming to other wireless Unitron hearing instruments:** uncheck this to prevent uDirect from working with Unitron devices it has not been paired with.


*Note: You can select the **Delete**  icon to remove any paired accessory from the fitting. You can add up to 4 uDirects to the hearing instrument fitting.*

Note: To modify the configuration of a paired uDirect, click on the serial number of the device you would like to modify.

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To simulate uDirect™:

1. Click the **uDirect**  item.
2. Click the **Simulate**  button.
3. The serial number box will say **Simulated uDirect** and a graphic with various configuration options appears.

*Note: You can select the **Delete**  icon to remove any simulated accessory from the fitting. You can add up to 4 uDirects to the hearing instrument fitting. Any simulated uDirect can be added later to the fitting by clicking the **Activate** button beside the row assigned to the simulated accessory.*

Note: uDirect does not need to be paired to work with Quantum & Moxi hearing instruments.

To pair uDirect 2™:

1. Click the **uDirect 2**  item.
2. Click the **Activate**  button.
3. A **Detect new accessories** pairing wizard appears. Connect a USB cable to the uDirect 2 and your computer, and follow the on-screen instructions.
4. After pairing, the serial number of the paired uDirect 2 is automatically shown in the serial number box. Various check boxes and a drop-down menu appear to configure uDirect 2. These controls include:

- **Notification Options**

- 1) **Warnings only** – low uDirect 2 battery; Bluetooth pairing process
- 2) **Standard** – Level 1 + uDirect 2 on/off; starting/ending charging during streaming; input channel confirmation; FM announcements
- 3) **Detailed** – Level 2 + starting/ending charging without active streaming; external microphone connection; Bluetooth device connect/disconnect; transfer call; hold call

In addition, you can select whether the notifications above are provided via **‘Beeps’** or **‘Spoken’** words. Should you select **‘Spoken’**, you have the option of selecting:

Language – used for the notifications, selected via the provided drop-down menu.

Caller ID – select to enable / disable the use of spoken caller ID notification for incoming call on phones supporting this feature.

- **Phone Streaming Functions**

Access button options:

Redial – select to enable redialing of the last number called on phones supporting this feature.

Transfer call back to phone – select to enable the client to transfer a streamed phone call back to the phone.

Connect button options:

Voice dial – select to enable voice dialing on phones supporting this feature.

Hold – select to enable user to hold a phone call.

- **Remote Control Functions:** check this to allow the uDirect 2 to function as a remote control when the hearing instrument is not in




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streaming mode. Configure the 'Plus/Minus' buttons as either: SmartFocus or Volume Control.

- **Allow uDirect 2 streaming to other wireless Unitron hearing instruments:** uncheck to prevent uDirect 2 from working with Unitron devices it has not been paired with.



Note: to perform remote control functions, the uDirect 2 must be paired to the hearing instrument.


*Note: You can select the **Delete**  icon to remove any paired accessory from the fitting. You can add up to 4 uDirect 2s to the hearing instrument fitting.*

Note: To modify the configuration of a paired uDirect 2, click on the serial number of the device you would like to modify.

Note: the input volume correction is not required with this accessory given the user can configure the volume level of streamed signals via the +/- buttons on the front of uDirect 2 and the accessory will maintain the user's adjustments for future streamed signals.

To simulate uDirect 2™:

1. Click the **uDirect 2**  item.
2. Click the **Simulate**  button.
3. The serial number box will say **Simulated uDirect 2** and a graphic with various configuration options appears.

*Note: You can select the **Delete**  icon to remove any simulated accessory from the fitting. You can add up to 4 uDirect 2s to the hearing instrument fitting. Any simulated uDirect 2 can be added later to the fitting by clicking the Activate button beside the row assigned to the simulated accessory.*

Note: uDirect 2 does not need to be paired to work with Quantum & Moxi hearing instruments.



d. Pre-Fitting screen

Use the Pre-Fitting screen to change the fitting formula and/or processing strategy used in the current fitting by clicking on the desired icon at the bottom of the screen.



Fitting Formula

1. Click the **Fitting Formula** task at the bottom of the screen.
2. Select your desired fitting formula from the provided drop-down menu: NAL-NL1, DSL v5 adult or DSL v5 pediatric.



Processing Strategy

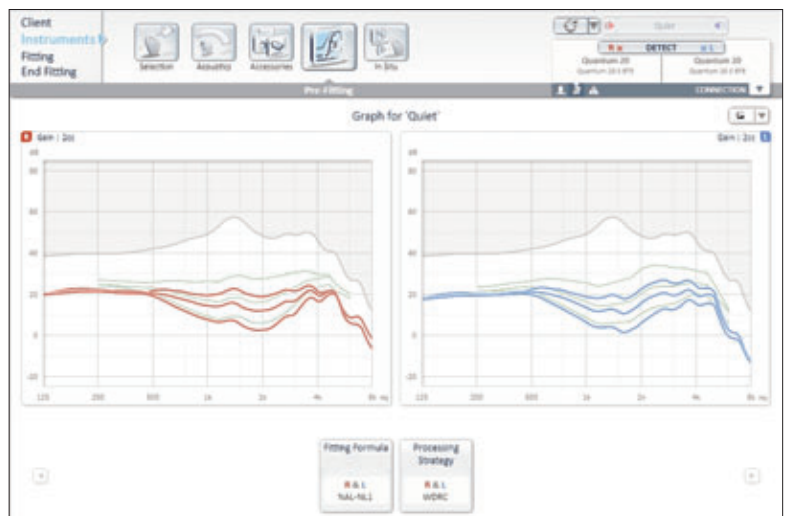
1. Click the **Processing Strategy** task at the bottom of the screen.
2. With DSLv5 adult or DSLv5 pediatric, select your desired processing strategy from the provided drop-down menu: WDRC or Linear.

*Note: Selecting **NAL-NL1** provides a WDRC processing option only.*



e. In Situ

Use the In Situ screen to assess hearing sensitivity and uncomfortable



loudness levels via signals generated by the hearing instruments. While these results are not a substitute for traditional audiometric assessment, the procedure can be used as a basis of defining the fitting formula targets.

1. Click on the **Start In Situ** button for the device / ear you would like to assess.
2. An In Situ wizard will appear. Preparation information is provided to assist you with the test.
3. Select the coupling option to be used for the In Situ test. The options available will depend on the form factor being fitted and can include:
 - a. Vented (**current vent value**).
Note: ensure the product venting is configured correctly in the acoustics screen as it will impact the signal level generated by the device.
 - b. Temporarily occluded earpiece.
4. After the coupling option is selected, click **Continue** to get to the In Situ measurement step.
5. Select the desired measurement type (**AC**: air conduction or **UCL**: uncomfortable loudness level) via the appropriate button.
6. Select the desired frequency /presentation level by clicking on the graph.
7. Present the tone by using the **space bar** or by clicking on the **Present Tone** button.
8. To present tones automatically when you click on the graph, select the **Enable Autoplay** option.
9. If you desire to present tones at a loudness level beyond the safety limit of 100 dB HL, select the **Enable HL > 100 dB HL** option.
10. To speak with the client during the test, the hearing instrument microphones must be enabled by clicking on the **Talk to Client** button. The volume level of the device can be adjusted as required using the up/down volume arrow keys.


If you would like to use the In Situ data as the basis for the hearing instrument quick fit, check the **Use In Situ data to recalculate hearing instrument settings** check box.

Following completion of the test, the In Situ data will be displayed on the graph, along with any previous standard audiometric data if it is available.

Note: If a previously entered audiogram is available in the session, it will be shown faded into the background for reference purposes on the In Situ and Audiogram screens.

Click on **Use Audiogram** to use the entered standard audiometric data for fitting formula targets.

Click on **Use In Situ** to use the measured In Situ data for fitting formula targets.

*Note: The In Situ data can be deleted using the Remove (**Delete**)  icon above the graph.*

If desired, speech sounds and common sound icons can be displayed on the audiogram for counseling purposes by selecting the check box for the desired information.

Fitting menu



a. Feedback Optimization


Select the Feedback Optimization screen to run the feedback test.

1. Click the **Start feedback test** button for the device/ear you would like to assess.
2. Follow the on-screen instructions to perform feedback optimization.

The status of the test appears above the graph (complete, incomplete, not run). In cases where the environment may have impacted the test (e.g., excess noise present), the final results include a combination of measured values and predicted feedback threshold values. The status then indicates *Incomplete*. Rerunning the test will replace any predicted values with measured values if they can be reliably obtained in the current test environment.

Once the feedback test is completed, the hearing instrument's gain is limited as shown on the graph where:

- Black line = feedback threshold
- Grey line = hearing instrument gain limit
- Green line = target gain for 50 dB pure tone input
- Red or Blue line = aided gain for 50 dB pure tone input

*Note: If desired, the feedback test can be deleted using the **Delete**  icon above the graph for the device /ear in question.*



Note: The phase canceller is enabled prior to running the feedback optimization test and the quick fit will be limited to the predicted maximum stable gain. Following the feedback test, the device is automatically quick fitted up to the desired adaptation manager level setting, but not beyond the measured maximum stable gain curve.

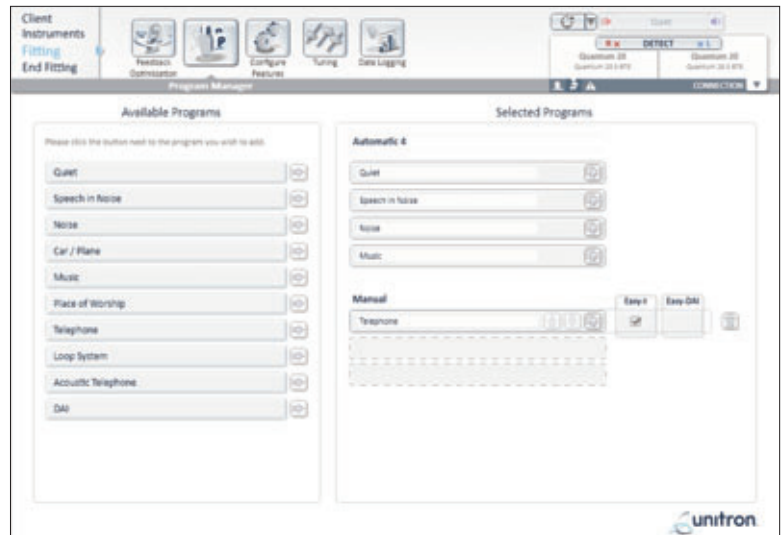


b. Program Manager screen


Select the Program Manager screen to add or remove additional manual programs, copy programs, rename programs, change program order, and assign easy-t / easy-DAI access (when applicable).

To add programs to the manual program list:

1. Select the **program name** under the Available Program list or click the arrow  next to the program name OR
2. Click the **Copy**  icon beside the program that you would like to copy from the Selected Programs list.



To remove manual programs:

- Click on the **Delete**  icon next to the program in question.

To rename programs:

- Click the program name under the Selected Programs header.

To assign easy-t to a program in devices supporting this feature:

- Add a telephone program that has easy-t capability and select the easy-t check box beside that program in the column list.

Note: Easy-t can only be assigned to one telephone program

To assign easy-DAI to a program in devices supporting this feature:

- Add a DAI program and select the easy-DAI check box beside that program in the column list.

Note: Easy-DAI can only be assigned to one DAI program.

To reorder manual programs:

- Click on the **Move Program Up**  or **Move Program Down**  icon next to the program in question.

Note: To select which program is the start-up program, go to the End Fitting → HI Setup → Startup Settings task box. By default, the Automatic Program is the start-up program when it is included in the program toggle sequence. To remove the Automatic Program, easy-t and/or easy-DAI from the program toggle sequence, go to the End Fitting → HI Setup → Program Toggle task box.

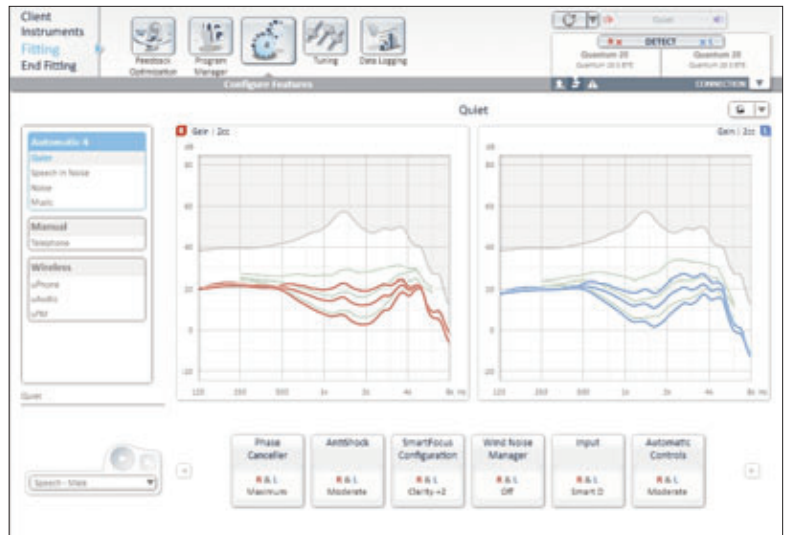
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c. Configure Features

Select the Configure Features screen to adjust various adaptive parameters in the hearing instrument by clicking the desired task item at the bottom of the screen. These options include: Phase Canceller, AntiShock™, SmartFocus™, Wind Noise Manager, Input, Automatic Controls, MyMusic™ (when a music program or environment is selected), and Binaural Phone (when telephone program is selected in a binaural wireless fitting). The adaptive feature settings for each program will automatically default to suggested values.

Prior to adjusting any adaptive feature, select the program you would like to manipulate from the program selector list on the left side of the screen. The active program is highlighted and its name is also listed above the graphs and in between the mute buttons.



*Note: Within the configuration boxes for the various adaptive features, both ears are linked by default. To unlink both ears, click the **link /unlink** icon above the controls in each feature's configuration box.*



Phase Canceller

1. Click the **Phase Canceller** task item at the bottom of the screen.
2. Select your desired phase canceller strength using the provided slider.

Note: This feature is global for all Automatic Program environments.



AntiShock

1. Click the **AntiShock** task item at the bottom of the screen.
2. Select your desired AntiShock strength using the provided slider.

Note: This feature is global for all Automatic Program environments.



SmartFocus Configuration

1. Click the **SmartFocus** Configuration task item at the bottom of the screen.
2. Select your desired SmartFocus position using the provided slider.



Wind Noise Manager

1. Click the **Wind Noise Manager** task item at the bottom of the screen.
2. Select your desired wind noise manager strength using the provided slider.



Input

1. Click the **Input** task item at the bottom of the screen.
2. The available input options depend on the product and program being adjusted:
 - Automatic Program environments - SpeechZone Directional (binaural increase to max directionality from the current Smart Directional position in speech-in-noise when speech is from the front), Smart Directional (input dependent on SmartFocus position).
 - Acoustic manual programs - Omni (Mic), Fixed Directional, Adaptive Directional, Smart Directional, Mute
 - Wireless streaming programs - Audio Streaming + Mic, Audio Streaming
 - Telephone programs – Telecoil, Telecoil + Microphone, Omni (Mic), Mute
 - DAI programs - Direct Audio Input + Mic, Direct Audio Input, Mute

Note: For environments that offer mixed inputs (e.g., Telecoil + Microphone, Audio Streaming + Mic, Direct Audio Input + Mic), the microphone level can be adjusted using the mic attenuation slider in 3 dB steps from 0 to -30 dB with the exception of easy-DAI.

Note: When binaural phone is activated, the input selection task box offers the ability to configure phone ear inputs (Telecoil + Microphone with 0 to -30 dB mic attenuation; or Omni) and non-phone ear inputs (Audio Streaming + Mic with optional 6 dB mic attenuation).



Automatic Controls

Note: This option is available when the automatic program or one of its environments are selected.

1. Click the **Automatic Controls** task item at the bottom of the screen.
2. If desired, select the client's **Highest Priority** and **Lowest Priority** environments from the provided drop-down menus.
3. If desired, adjust the **Sensitivity** control using the provided drop down menu to impact how quickly the Automatic Program responds to changes in the environment.

Note: The automatic controls should be left in their default positions for the initial fitting and reviewed later if the client has concerns regarding the instruments' switching behaviour.

Note: This feature is global for all Automatic Program environments.

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Binaural Phone

Note: This option is available when a telephone program is selected in a binaural fitting with wireless Quantum Pro, 20 & 12, and Moxi Pro, 20 & 12 products.

1. Click the **Binaural Phone** task item at the bottom of the screen.
2. Click the **Enable Binaural Phone** check box to activate this feature.
Note: This feature is active by default.
3. Select the client's **Preferred Phone Ear** from the provided drop-down menu. This choice impacts the streaming direction when Binaural Phone is activated using the remote control phone button.
4. Click the *Push button selects phone ear* check box to have the system stream the phone signal in either direction based on which push button was used to toggle into the Binaural Phone program. That is, the phone ear is identified as the side which had its push button activated.

Note: When accessing Binaural Phone streaming using easy-t, the phone ear is automatically identified as the side that triggered easy-t (ie., the ear where the phone receiver is located).

Note: When binaural phone is activated, the input selection task box offers the ability to configure phone ear inputs (Telecoil + Microphone with 0 to -30 dB mic attenuation; or Omni) and non-phone ear inputs (Audio Streaming + Mic with optional 6 dB mic attenuation).



MyMusic™

Note: This option is available when a music environment or program is selected.

1. Click the **MyMusic** task item at the bottom of the screen.
2. Choose one of the default offsets from the provided drop-down menu.



d. Tuning

Select the Tuning screen to adjust various parameters in the hearing instrument by clicking the desired item at the bottom of the screen. These options include: Adaptation Manager, Occlusion Manager, Soft/Mod/Loud Controls, MPO/Gain/CR Controls and Fitting Advice. The settings for each program automatically default to suggested values.

Prior to adjusting any of the parameters listed above, select the program you would like to tune from the program selector list on the left side of the screen. The active program is highlighted and its name is listed above the graphs and in between the mute buttons.



*Note: **All Programs** is selected by default in the Tuning section. This ensures that the relative differences across all programs are maintained when making changes and helps to maintain seamless transitions in the automatic program.*

To fine tune the hearing instrument:

1. Select the desired program from the program selector list on the left side of the screen.
 - To select **all programs** for modification, click the **All Programs** Select All Programs button at the top of the program selector list. The title will turn blue and all programs in the selector list will turn grey and the active program will turn blue.
 - To select **all automatic programs**, click the **Automatic** Automatic 4 program header above the individual environments. The title will turn blue, the group will turn grey and the active program will be blue.
 - To select **all manual programs**, click the **Manual** Manual program header above the individual manual programs. The title will turn blue, the group will turn grey and the active program will be blue.
 - To select **all wireless programs**, click the **Wireless** Wireless program header above the wireless programs. The title will turn blue, the group will turn grey and the active program will be blue.
 - To select an **individual program** or environment, click the program name or environment in the program selector list.

*Note: To simplify the view, you can click the **chevron** ⌵ icon beside the program header to collapse or expand the program list for that category.*

To simplify the view and expand the size of the graphs, you can click the side arrow to the immediate right of the program selector list to hide and reveal the program selector list.



Adaptation Manager

1. Click on the **Adaptation Manager** task item at the bottom of the screen.
2. Select the **Automatic** check box to activate the Automatic Adaptation Manager (AAM). The software will then use a proprietary calculation that considers the client's hearing loss, age, and hearing instrument experience level (as indicated on the client information screen) to determine the starting adaptation manager setting and the adaptation rate for the fitting.
3. If desired, select the speed of adaptation for the current fitting using the provided dropdown box. Choose from:
 - 1 week per 5% increase in the current value of AAM
 - 2 weeks per 5% increase
 - 3 weeks per 5% increase
 - 1 month per 5% increase
 - 2 months per 5% increase
 - 3 months per 5% increase
 - 4 months per 5% increase
 - 5 months per 5% increase
 - 6 months per 5% increase

*Note: For calculation purposes, the AAM adaptation rate assumes one week of use = 70 hours (i.e., 10 hours /day). Thus at the follow-up appointment, the AAM **current** position may differ from what is expected based on calendar days depending on the client's actual usage time per week.*

4. If desired, the fitter can adjust the current AAM position (% of target) and the desired end value for the AAM (% of target) for the chosen fitting formula using the provided sliders.

*Note: The predicted time to reach the end value will be updated automatically depending on the relative position of the **Current** and **End** value sliders.*

*Note: If desired, the Automatic Adaptation Manager can be disabled by de-selecting the **Automatic** check box. The fitter can then select their desired adaptation manager setting (% of target) relative to the full target value of their chosen fitting formula using the **Current** slider.*

Note: This feature is global and will impact all programs



Occlusion Manager

1. Click the **Occlusion Manager** task item at the bottom of the screen.
2. Select your desired occlusion manager setting using the provided slider to address any occlusion related complaints.

Note: This feature is global and will impact all programs.



Soft / Mod / Loud Controls

1. Click the **Soft / Mod / Loud Controls** task item at the bottom of the screen.
2. Select the **program(s)** you wish to modify using the program selector list as described above.

3. Select the frequency resolution you require for your modification using the provided tabs.

Choose from:

- 3 / 6 frequency regions (Quantum 6, Moxi 6)
- 3 / 6 / 12 frequency regions (Quantum 12, Moxi 12)
- 3 / 8 / 20 frequency regions (Quantum Pro, Quantum 20, Moxi 20)

Note: The frequency resolution depends on the technology level of the product you are fitting.

4. Select the **frequency region(s)** and **input level(s)** to be modified in the provided table:

- To select an individual frequency region, select the desired value in the table.
- A range of fitting values can be selected by either choosing a specific input label (loud, mod, soft), channel grouping label (low, mid, high or specific frequency columns) or the *All* table label. The selected frequency region(s) are highlighted in the table and shaded in the fitting graph.
- To select multiple frequency regions for adjustment, you can also click and drag across the table. The slider bar along the bottom of the table allows you to view frequency regions that are outside the visible table area.
- To view all frequency regions for a particular ear, and/or increase the size of the selectable boxes in the table, click on the **View right ear only** or **View left ear only** text as appropriate. To change the table view back to a binaural view, click on the text **View both ears**.
- Once you have selected your desired region for adjustment, click the dB drop-down menu to alter the step size of any change. Choose from 1, 2 or 3 dB.
- Click the **+** or **-** buttons to apply the desired change.

*Note: When a fitting handle has reached its maximum setting, the **+** button will grey out (disable). Conversely, if a fitting handle is at its minimum setting, the **-** button will grey out (disable).*

Note: The table will also display the calculated compression ratios. These values can be impacted by adjusting the relative differences between soft, moderate and loud input levels in the Soft/Mod/Loud Control task and by the Gain Control.



MPO / Gain / CR Controls

1. Click the **MPO / Gain / CR Controls** task item at the bottom of the screen.
2. Select the **program(s)** you wish to modify using the program selector list as described above.
3. Select the **frequency resolution** you require for your modification using the provided tabs.

Choose from:

- 3 / 6 frequency regions (Quantum 6, Moxi 6)
- 3 / 6 / 12 frequency regions (Quantum 12, Moxi 12)
- 3 / 8 / 20 frequency regions (Quantum Pro, Quantum 20, Moxi 20)

Note: The frequency resolution depends on the technology level of the product you are fitting.

4. Select the frequency region(s) and parameter type (MPO, Gain or CR) to be modified in the table.
 - To select an individual frequency region, select the desired value in the table.
 - A range of fitting values can be selected by choosing a specific parameter label (MPO, Gain or CR). The selected frequency region(s) is highlighted in the table and shaded in the fitting graph.
 - To select multiple frequency regions for adjustment, you can also click and drag across the table. The slider bar along the bottom of the table allows you to view frequency regions that are outside the visible table area.
 - To view all frequency regions for a particular ear, and/or increase the size of the selectable boxes in the table, click on the **View right ear only** or **View left ear only** text as appropriate. To change the table view back to a binaural view, click on the text **View both ears**.
 - Once you have selected your desired region and parameter type for adjustment, click the dB drop-down menu to alter the step size of any change. Choose from 1, 2 or 3 dB.
 - Click the + or - buttons to apply the desired change.

Note: When a fitting handle has reached its maximum setting, the + button will grey out (disable). Conversely, if a fitting handle is at its minimum setting, the - button will grey out (disable)

Note: The CR values can also be impacted by adjusting the relative differences between soft, moderate and loud input levels in the Soft/Mod/Loud Controls task.



Fitting Advice

1. Click the **Fitting Advice** task item at the bottom of the screen.
2. Select the program(s) you wish to modify using the program selector list as described above.
3. Select the situation (type of sound environment) that is problematic for the client using the **Select Situation** dropdown box.
4. Select the concern that best describes the client's complaints for that sound type using the **Select Concern** dropdown box.
5. A description of the proposed change appears on the screen and an associated sound file is automatically selected by the media player.
6. If desired, play the associated sound file and/or apply the suggested change using the **Apply** button. Any previously applied undesirable changes can be removed using the **Undo** button.



e. Data logging

Select the Data logging screen to observe clients' usage patterns at follow-up appointments. At the initial fitting, no data logging information will be available.

Note: If you want to enable or disable data logging, self learning and LearnNow™ in the product, navigate to the End Fitting Section > HI Setup > Data logging task icon box. The availability of self learning and LearnNow will depend on the product.

Note: Saving to the hearing instrument will overwrite any data logging information stored on the hearing instruments. You should read from the hearing instruments at the follow-up appointment to view the data logging details before saving any changes to the hearing instruments.

The navigation tab along the left side of the data logging screen allows you to select from various summary screens. Choose from:

- All Programs: Overview
- Automatic Programs: Summary
- Manual Programs: Summary
- Wireless Programs: Summary

All Programs: Overview

The *All Programs Overview* screen provides a summary of the total usage patterns of all programs in the hearing instrument. A histogram chart shows a breakdown of total percentage of use in each of the available program categories (Automatic, Manual and Wireless programs).

A table below the chart also identifies:

- Hours / Day
- Total Days
- Program usage breakdown by category
- Further details regarding the individual programs/destinations within each category can be found by clicking the chevron icon to expand and collapse the table.

Note: Expanding/collapsing the table will also impact the information displayed in the summary histogram chart.



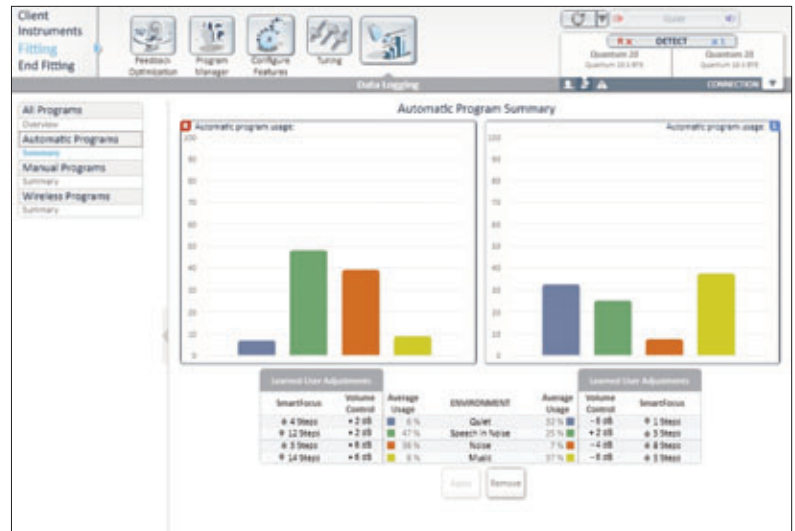
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Automatic Programs: Summary

The Automatic Programs Summary screen provides an overview of the learned (or logged) user adjustments for SmartFocus and the volume control in each of the automatic environments. A histogram chart shows a breakdown of percentage of use of each automatic environment relative to the total Automatic Program usage time.

A table below the chart also identifies:

- Average usage for each environment in percent
- Learned user adjustments for volume control for each environment
- Learned user adjustments for SmartFocus for each environment (if available)



Note: If learning is inactive or unavailable in the product, the data logging table will reflect logged adjustments as labeled in the table header.

- In the case of learned data, you can remove learning from all automatic environments for both VC and SmartFocus binaurally with the **Remove** button.
- In the case of logged data, you can apply logged data to all automatic environments for both VC and SmartFocus binaurally with the **Apply** button.

Manual Programs: Summary

The Manual Programs Summary screen provides an overview of the learned (or logged) user adjustments for SmartFocus and the volume control in each of the manual programs. A histogram chart shows a breakdown of percentage of use of each manual program relative to the total Manual Program usage time.

A table below the chart also identifies:

- Average usage for each manual program in percent
- Learned user adjustments for volume control for each manual program
- Learned user adjustments for SmartFocus for each manual program (if available)

Note: If learning is inactive or unavailable in the product, the data logging table will reflect logged adjustments as labeled in the table header.

- In the case of learned data, you can remove learning from all manual programs for both VC and SmartFocus binaurally with the **Remove** button.
- In the case of logged data, you can apply logged data to all manual programs for both VC and SmartFocus binaurally with the **Apply** button.

Wireless Programs: Summary

The Wireless Programs Summary screen provides an overview of the learned (or logged) user adjustments for SmartFocus and the volume control in each of the wireless programs. A histogram chart shows a breakdown of percentage of use of each wireless program relative to the total wireless program usage time.



A table below the chart also identifies:

- Average usage for each wireless program in percent
- Learned user adjustments for volume control for each wireless program
- Learned user adjustments for SmartFocus for each wireless program (if available)

Note: If learning is inactive or unavailable in the product, the data logging table will reflect logged adjustments as labeled in the table header.

- In the case of learned data, you can remove learning from all wireless programs for both VC and SmartFocus binaurally with the **Remove** button.
- In the case of logged data, you can apply logged data to all wireless programs for both VC and SmartFocus binaurally with the **Apply** button.

Note: For all summary screens with volume control data, ‘-’ values represent dB decrease relative to previous default position, while ‘+’ values represent dB increase relative to default position.

Note: For all summary screens with SmartFocus data,  steps represents movement of SmartFocus towards max clarity direction from previous setting, while  steps represents movement of SmartFocus toward max comfort direction from previous setting.

End Fitting menu



a. HI Setup

Select the HI Setup screen to configure the function of the user controls on the hearing instrument (e.g., push button and lever / dial) along with the activation of DuoLink (binaural wireless coordination) for each of these controls. In addition, HI setup allows you to adjust other hearing instrument parameters by clicking on the desired task item at the bottom of the screen. These options include volume settings, start up settings, data logging and program toggle.

To configure the function of the push button on the hearing instrument(s) (if available):



1. Click the drop-down menu under the push button label on the primary screen. Choose from:

- **Program Toggle** - press the push button to toggle through the various listening programs.

Note: DuoLink is on by default in binaural wireless product fittings to ensure the program setting in both devices is synchronized when the program toggle on one device is activated.

- **Volume: Right up, Left down** - pressing the push button on the right device increases the volume for both hearing instruments. Pressing the push button on the left device decreases the volume for both hearing instruments.

Note: DuoLink must be on for this setting to function.

- **SmartFocus: R clarity, L comfort** - pressing the push button on the right device moves the SmartFocus setting towards clarity for both hearing instruments. Pressing the push button on the left device moves the SmartFocus setting towards comfort for both hearing instruments.

Note: DuoLink must be on for this setting to function.

- **Off**: the push button is disabled on the hearing instruments.

Note: The program toggle on the Smart Control remote is not impacted by the setting of this control.

To configure the function of the lever / dial on the hearing instrument(s) (if available):

1. Click the drop-down menu under the lever / dial label on the primary screen. Choose from:

- **Volume Control:** the lever / dial adjusts the volume level of the hearing instruments.

Note: DuoLink is disabled by default to allow independent adjustment of this control on each ear.

- **SmartFocus:** the lever / dial adjusts the SmartFocus setting in the hearing instrument.

Note: DuoLink is disabled by default to allow independent adjustment of this control on each ear.

- **Off:** the lever / dial is disabled on the hearing instrument.

Note: The + / – buttons and scroll wheel on the Smart Control remote are not impacted by the setting of this control.

Note: Only one user control on the hearing instrument can be assigned to perform a particular function. While both the push button and lever/dial can be configured as either a volume control or a SmartFocus control, both controls cannot perform the same function.



Volume Settings

1. Click the **Volume Settings** task item at the bottom of the screen.
2. Select the desired amount of increase in volume using the Volume Control Up drop-down menu.
3. Select the desired amount of decrease in volume using the Volume Control Down drop-down menu.

Note: The value selected in the volume control up and down boxes determines the volume control range provided to the client (as displayed in the volume settings task box). Each adjustment of the volume control using the Smart Control remote or on the hearing instruments is 2 dB.



Start up Settings

1. Click the **Start up Settings** task item at the bottom of the screen.
2. Select the desired **Start up Program** from the drop-down menu.
3. Select the desired **Start up Delay** from the drop-down menu. Choose **Minimum, 10 second delay** or **15 second delay**.



Data Logging

1. Click the **Data Logging** task item at the bottom of the screen.
2. Select the desired data logging and learning parameters (if applicable) from the drop-down menu. Choose from **Logging with Self Learning and LearnNow**, **Logging and Self Learning**, **Data logging on** or **Data logging off**.

Note: The presence or absence of LearnNow in the selected drop-box menu on this screen changes the configuration of the LearnNow button on the Smart Control remote. Similarly, the configuration of the LearnNow checkbox on the Smart Control Accessories screen changes the selection in the Data Logging task box.



Program Toggle



1. Click the **Program Toggle** task item at the bottom of the screen.
2. Click the check boxes to indicate which of the following you would like to include in the program toggle sequence:
 - The Automatic Program
 - The easy-t program (if applicable to the product being fitted)
 - The easy-DAI program (if applicable to the product being fitted)



b. Beeps

Select the Beeps screen to demonstrate and configure the various user notification beeps in the hearing instrument. These options include beep setup and beep enabling.

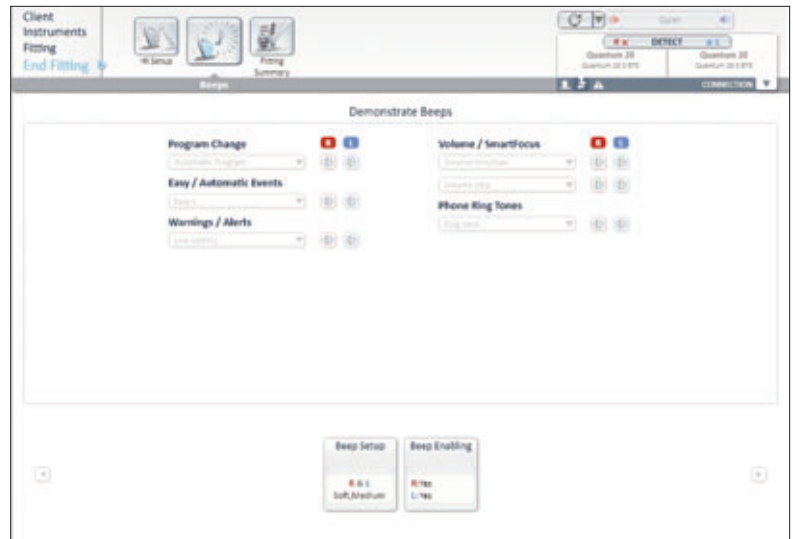
To demonstrate beeps:

There are a number of play buttons   for various user notifications. Depending on the product being fitted, you have the option of playing beeps associated with:

- **Program Change:** choose the desired program to demo using the drop-down menu.
- **Easy / Automatic Events:** choose from Easy-t, uPhone activation, uAudio Bluetooth activation, uAudio audio jack input activation, uFM activation, or Smart Control telephone button activation.
- **Warnings / Alerts:** choose from low battery, LearnNow (if applicable) and Smart Alert notification alerts (if applicable).
- **Volume / SmartFocus:** choose from: volume min/max, volume ideal (default), SmartFocus min/max, SmartFocus ideal (default), volume step change, SmartFocus step change.
- **Phone Ring Tones:** play provided ring tone.

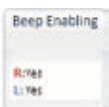
Note: The phone ring tone notification is generated during uPhone activation with phones supporting this feature.

To play the selected notification through the hearing instrument, click the right or left play buttons beside the chosen drop-down menu.



Beep Setup

1. Click the **Beep Setup** task item at the bottom of the screen.
2. Select the **intensity level** from the drop-down menu. Choose from: **Very Soft, Soft, Moderate, Loud, or Very Loud.**
3. Select the **frequency** from the drop-down menu. Choose from: **Low, Medium or High.**



Beep Enabling

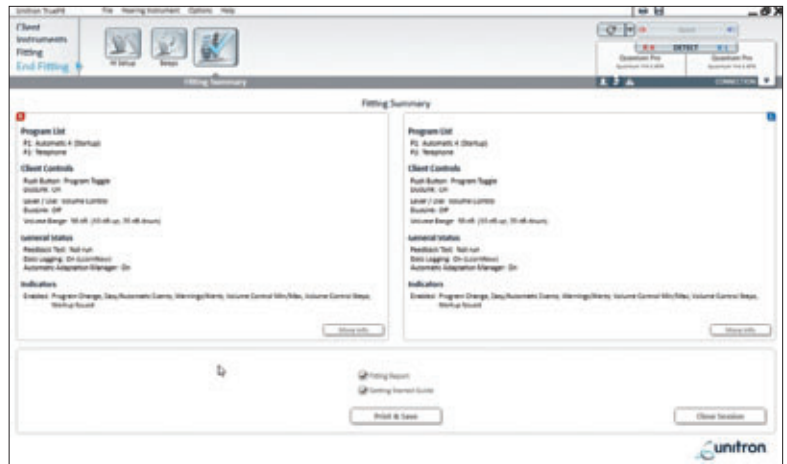
1. Click the **Beep Enabling** task item at the bottom of the screen.
2. Select the beep notification types you would like active for the client. Choose from: **Program Change, Start Up Sound** (initial sound which occurs upon the powering up of the hearing instruments), **Easy / Automatic Events** (events listed under the demo drop-down menu for this category), **VC & SmartFocus Min/Max** (end of range), **VC & SmartFocus steps** (beeps that occur each time these user controls are changed), and **Warning / Alerts** (events listed under the demo drop-down menu for this category).



c. Fitting Summary


The Fitting Summary screen provides a succinct overview of primary fitting-related items in an easy-to-read table for each hearing instrument. The table provides an opportunity for a final check of the fitting settings and general status prior to printing, saving and closing the session.

The default table information is dependent on the product being fitted and can include: Program List, Client Controls, General Status, Accessories, and Indicators. If desired, additional details can be obtained by clicking the **More Info** button which then displays Fitting Settings and Acoustics. Items outside the primary viewing area can be observed by adjusting the vertical scrolling slider.



To end the fitting:

1. Select the check boxes for the items you would like to print (e.g., Fitting report, Getting Started Guide). Click the **Print & Save** button. If you do not desire to print any materials, remove the check marks and click the relabeled **Save** button.
2. Select the check boxes for the items that you would like to save (e.g., Save to hearing instruments, Save to database, Save to accessories) on the save dialog pop-up window. Click **Save** and then **Close** in the save confirmation window.

*Note: Clicking the **Save**  icon on the primary tool bar or accessing the Save function in the main menu also provides the ability to save to the hearing instruments and save to the database.*

3. To close the session, click the **Close Session** button. If you have not yet saved the fitting, the save dialog pop-up window will appear. When running TrueFit under NOAH click the **Exit Unitron TrueFit** button.
4. After closing the session:
 - If using iCube, restart your hearing instrument(s) by opening and closing the battery door(s).
 - If using NOAHlink or HI-PRO, remove the programming cable, insert the batteries and close the battery door.