



Desktop Fitting Guide for Kirkland Signature 10.0 Hearing Aids

The Target fitting software is intended to be used by qualified hearing care professionals to configure, program, and fit hearing aids to member-specific requirements. This guide provides a detailed introduction to hearing aid fitting with Target.

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Structure and navigation

The three tabs [Client], [Instruments] and [Fitting], as well as the dashboard above offer you easy navigation and status information.

The dashboard shows the fitting status and also offers shortcuts.

Client Costco	Instruments KS 10.0	Fitting Quiet
All member information, such as personal data and audiogram, are found in this tab.	All hearing aids, acoustic parameters, remote controls and other accessories are found here.	All device adjustments are done here.

Preparation of the hearing aids

iCube II / Noahlink Wireless

No cables to the hearing aids are needed. Just insert the battery and turn on the hearing aid by closing the battery compartment.

NOAHlink or HI-PRO

Connect the programing cables to the hearing aids and the fitting device.

Connect the hearing aids

Open the fitting session and confirm that the correct fitting device is shown. To change the fitting device, use the pull down arrow next to the fitting device in the dashboard.

Click **[Connect]** to start the fitting. The connected hearing aids will appear in the dashboard.

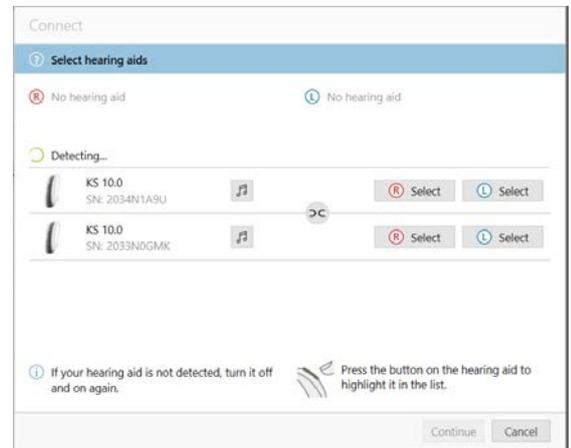
For direct connectivity hearing aids, devices available for pairing will automatically appear.

Note:

- If a device is not found, open/close the battery door to set into pairing mode.
- Press the push button or multi-function button on the hearing aid to highlight it in the list when multiple devices are available or to confirm the side to assign to a member.
- Devices fit previously together are detected as a linked pair.

For all new fittings, a suggested member experience level based upon fitting session information available, will be offered.

The audiogram data from NOAH will be automatically imported into Target and taken into account for the pre-calculation.



Fitting

Click on the tab **[Fitting]** to access **[Feedback & real ear test]**.

The feedback test can be run in both ears, or one ear at a time. Click **[R]** / **[Start both]** / **[L]** to start the test.

Note: The feedback test cannot be performed during a Remote Support session.

To use the test results to calculate the predicted RECD and the acoustic parameter settings, select the checkbox **[Use feedback test result to predict vent]**. The checkbox will be available only if the system can do the vent estimation.

Note: In Kirkland Signature™ 10.0 Hearing Aids hearing aids, overtuning the feedback threshold is available to further increase the gain limit. To overtune, click on the arrows. With increases to the gain limit, a purple shading appears to indicate increased gain limit.

AudiogramDirect

AudiogramDirect is an in-situ hearing test within Target. It does not replace diagnostic audiological assessments. Confirm the **[Feedback & real ear test]** has been run prior to using AudiogramDirect.

Click **[AudiogramDirect]** > **[Start]** to test air conduction (AC) hearing thresholds and uncomfortable loudness levels (UCLs) using the connected hearing aids. Please note that UCL measurements are disabled during a Remote Support session.

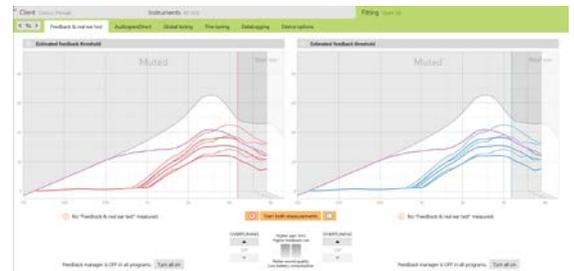
Previous hearing tests can be compared and reviewed by clicking on **[History]**.

To change the default AC and UCL measurement behavior, go to **[Startup]** > **[Fitting session]** > **[AudiogramDirect]**.

Global tuning

Go to **[Global tuning]** > **[Initial fitting]** if adjustments to the gain level, occlusion compensation, or compression are required. The gain level and compression settings are based on the member's usage experience and the selected fitting formula.

When a red shading appears, it indicates area of greater feedback risk and distortion.



Adaptation control

Confirm the [Feedback & real ear test] has been run before using adaption control.

Select [Adaptation control] in the gain level menu in the [Initial fitting] tab.

Click on [...] to specify the start level, the end level and the duration in which the gain of the hearing aid automatically increases to the set end level.

Note: For Kirkland Signature™ 10.0 Hearing Aids hearing aids, it is not necessary to run the [Feedback & real ear test] before activating adaptation control. To activate adaptation control, tick the checkbox. Specify a target gain and the remaining days the client would need to reach the target gain.

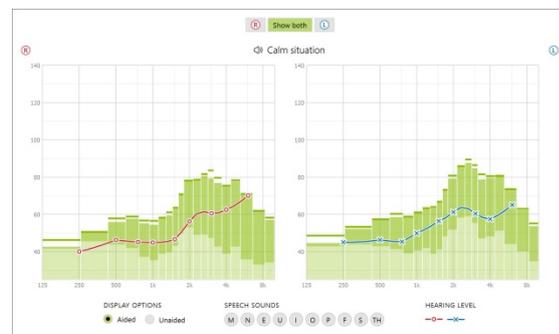


Real Time Display

In the menu bar at the top of the screen, click on [Client view] checkbox to access the Real Time Display.

The Real Time Display is available for all hearing aids as a fitting curve display option, in a member-friendly enlarged view or on a second screen.

Speech intelligibility improvements, gain, output, HiFrequency Protect+ and channel resolution can be easily demonstrated, especially with the provided stereo or surround sound samples.



Fine tuning

The left side of the [Fine tuning] screen is used for the handling of the programs.

Click [All programs] to adjust all programs simultaneously.

Click [Automatic] to modify all acoustic automatic programs or [Automatic (streaming)] to modify Automatic 3.0 for streaming.

To modify a single program, click on the program, e.g. [Quiet], in the list and adjust as needed.

Click on the [+] icon to add an additional manual program.

You can manage the programs by clicking [Program manager] above the programs. The startup program, program structure, and streaming programs can be customized here. The undo/redo function is located in the menu bar at the top of the screen and can be used to undo or redo steps in the fine tuning screen.



The tabs in the lower part of the screen will offer access to the fitting tools. Each tool has specific modifiers to fine tune the hearing aid.

Gain & MPO

Select gain values with the cursor to adjust them. The gain values are adjustable for soft, moderate and loud input sounds. The optimum fitting range is available if the individual UCL values were entered into the member's audiogram.

To modify the MPO simultaneously in all channels, click **[MPO]** shown on the left beside the MPO values. The overall gain can be changed by clicking **[Gain]**.

The compression ratio of each channel is shown in the row directly underneath the gain values.



Audibility fine tuning

Selectable sound samples and the related gain are shown in the curve display. The sound samples can be played to simulate a specific listening environment.

The gain values are displayed for soft, moderate and loud input sounds. Adjustments affect only gain levels and frequencies which are relevant to enhance the audibility of the selected stimuli, indicated by the different shades of red/right and blue/left.



Program options

Program options can be adjusted from the default settings. The features can be activated, deactivated, or changed in strength for each program individually. The available ranges within each scale are visible and depend upon performance level.

For direct connectivity hearing aids, the default switching behavior to access streaming can be modified:

- **[Automatic]** - the hearing aids will automatically switch and receive a streamed signal (default).
- **[Manual]** - no beep is heard and the program is added as the last program.
- **[Manual (with beep)]** - a beep is heard in the hearing aids and the member manually accepts to receive a streamed signal.



HiFrequency Protect+

The individual settings for HiFrequency Protect+ are initially set by the pre-calculation and can be fine-tuned. For binaural fittings, the cut-off frequency and the frequency compression ratio are calculated based on the better ear.

HiFrequency Protect+ is a frequency compression system with adaptive behavior. It is defined by two cut-off frequencies, CT1 and CT2.

HiFrequency Protect+ is:

- On by default for flat or sloping hearing losses where the 8 kHz threshold is 45 dB HL or poorer.
- Off by default for reverse sloping losses (8 kHz \geq 30 dB better than 3 kHz).

When on by default, HiFrequency Protect+ is enabled in all programs. It can be disabled by clicking [\[Enable HiFrequency Protect+\]](#) checkbox.

HiFrequency Protect+ settings can be viewed in the curve display. The shaded area gives information for which frequency range it is active in.

- The first solid line is cut off frequency 1 (CT1)
- The dotted line is cut off frequency 2 (CT2)
- The third line is the maximum output frequency

Adaptive compression is applied to frequencies in the shaded area between CT1 and CT2. This frequency region is only compressed if the input is dominated by high frequency energy.

Frequencies in the shaded area between CT2 and the maximum output frequency are always compressed. Frequencies below CT1 are always uncompressed. There is no output at frequencies above the maximum output frequency.

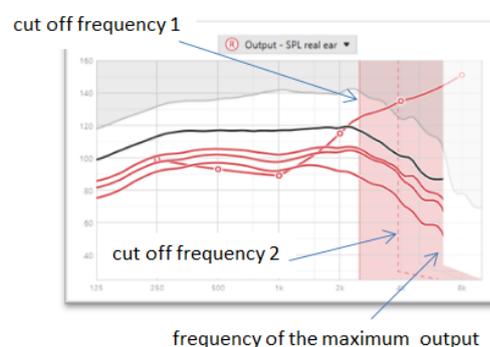
To fine tune HighFrequency Protect+, click on [\[Fine tuning\] > \[HighFrequency Protect+\]](#). Changing any slider will influence the cut off frequencies, compression ratio and the maximum output frequency.

Slide toward [\[Audibility\]](#) to increase the ability to detect an /s/ and /sh/.

Slide toward [\[Distinction\]](#) to increase the ability to distinguish the difference between /s/ and /sh/.

Slide toward [\[Comfort\]](#) to increase the naturalness of sounds, such as male voices, own voice, or music.

Note: When fine tuning, it is recommended to adjust the [\[Audibility/Distinction\]](#) slider first. The [\[Clarity/Comfort\]](#) slider will reset each time the [\[Audibility/Distinction\]](#) slider is adjusted in order to optimize sound quality for low and mid frequency sounds.



The following verification practices are recommended:

- Live voice /sh/ or /s/ or “Mississippi” to check detection. A word like “moon”, or “name” to check vowels.
- Test box verification

TK/Gain 35 dB

The amplification of very soft (G35) input sounds can be adjusted. An increase of gain for very soft input sounds lowers the threshold knee point (TK) and vice versa.

Select the values with the cursor to adjust them. Underneath the gain values the TK values are shown for each channel. The gain/output curve for very soft input sounds is shown in the curve display.

Note: This tab is not available for Kirkland Signature™ 10.0 Hearing Aids. To adjust soft input sounds, use the Soft noise reduction slider in [Program options].



Automatic fine tuning

This is a situation-based fine tuning tool. The available adjustments are dependent on the member’s evaluation of the sound situation.

The fine tuning steps are clearly displayed before the action will be applied. Depending on the selected program a recommended sound sample is pre-selected.

The sound samples can be played to simulate the listening environment.



Datalogging

Datalogging can provide information about the listening environments the user has been in and for how long. To access Datalogging information, go to [Fitting] > [Datalogging].

Device options

By clicking **[Device options]** you can configure hearing aid options such as manual controls, signals & alerts, startup behavior or datalogging.

When the hearing aid is connected, each configuration can be demonstrated on the hearing aid in **[Signals & alerts]**.

For direct connectivity hearing aids:

- Additional settings such as configuring the Bluetooth name, side and managing pairings can be found by clicking on **[Bluetooth]**.



Kirkland Signature™ 10.0 Hearing Aids hearing aids only:

- Touch control can be configured in **[Manual controls]**.
- Touch control can be used to accept/end phone call, pause/resume streaming, and start/stop the smartphone's voice assistant.
- Click **[Touch control training]** to demonstrate the double tap gesture.



Finishing the fitting session

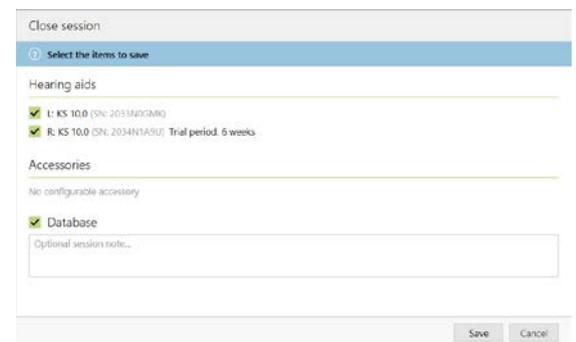
You can close the session at any time by clicking **[Save & close session]** in the top right corner of the screen. Select the items to save.

The standard save dialog will confirm the successful save of the hearing aids and accessories.

After the save, Target will guide you to the start screen.

If you are working under NOAH, you can go back to NOAH by clicking on

[Back to NOAH] at the top right corner of the start screen.



Information and description of symbols

 With the CE symbol, Sonova AG confirms that this product meets the requirements of the Medical Devices Directive 93/42/EEC. The numbers after the CE symbol correspond to the code of certified institutions that were consulted under the above-mentioned directive.

 **Name, address, date** Combined symbol “medical device manufacturer” and “date of manufacture” as defined in EU Directive 93/42/EEC.

 Indicates the manufacturer’s catalogue number so that the medical device can be identified.

 Consult instructions for use. Instructions can be obtained on the www.phonakpro.com website.

 Provides further clarification about a feature or functionality or highlights relevant fitting information being applied

 Indicates a restriction in functionality that may impact the end user’s experience or highlights important information that requires your attention

 HIMSA certification seal NOAHSEAL

System requirements

Operating system	<ul style="list-style-type: none">• Windows 10, Home / Pro / Enterprise / Education• Windows 8 / 8.1, latest SP, Pro / Enterprise
Processor	Intel Core or higher performance
RAM	4 GB or more
Hard disk space	3 GB or more
Screen resolution	1280 x 768 pixels or more
Graphic card	16 Million (24bit) screen colors or more
Drive	DVD
Serial COM port	Only if RS-232 HI-PRO is used
USB ports One for each purpose	<ul style="list-style-type: none">• Wireless adaptor with Bluetooth® technology*• Accessory programming• HI-PRO if used via USB port• Noahlink Wireless
Programming interfaces	Noahlink Wireless / iCube II / NOAHlink / RS-232 HI-PRO / HI-PRO USB / HI-PRO2
Noahlink driver	Latest version available
Noahlink Wireless driver	Latest version available
Internet connection	Recommended
Sound card	Stereo or surround 5.1
Playback system	20 Hz – 14 kHz (+/- 5 dB), 90 dB
NOAH version	Latest version (NOAH 4.4 or higher) Please check the NOAH limitations for Windows 64 bit operating systems on http://www.himsa.com
TargetMatch	NOAH Version 4.4.0.2280 or higher Otometrics Otosuite 4.81.00 or higher Otometrics AURICAL FreeFit for REM & AURICAL HIT for test box measurements

*The Bluetooth® word mark is a registered trademark owned by the Bluetooth SIG, Inc.

Security notice:

Patient data is private data and its protection is important:

- Make sure your operating system is up-to-date
- Have the Windows user login activated, use strong passwords and keep credentials secret
- Use adequate and up-to-date malware and antivirus protection

Depending on national laws, you might be required to encrypt all patient data in order not to be held liable in case of data loss and/or theft. You can use drive encryption (e.g. the free Microsoft BitLocker) to protect all data on your PC. If working under Noah, consider using the Noah database encryption.

Make sure to keep data safe at all times:

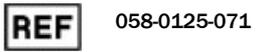
When transferring data through unsafe channels, either send anonymous data or encrypt it. Protect data backups not only from data loss but also from theft. Remove all data from data medium which are no longer used or will be disposed.

Please be aware that this listing is not exhaustive.

CE mark applied 2021



Manufacturer:
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CH-8712 Stäfa



Target 7.1 DVD