

INTERTON | APPRAISE 2.0



USER GUIDE

In this user guide you will find:

- > How to start**
 - Airlink use 3
 - Other programming interfaces 3

- > What to know about**
 - Welcome screen 4
 - Product database 4
 - Setup screen 5
 - Fit screen 5
 - Summary screen 6
 - Build-in video support 6

- > Precautions and Warnings**
 - General Precautions 7
 - General Warnings 7



Thank you for fitting with Interton Appraise



> Arlink use

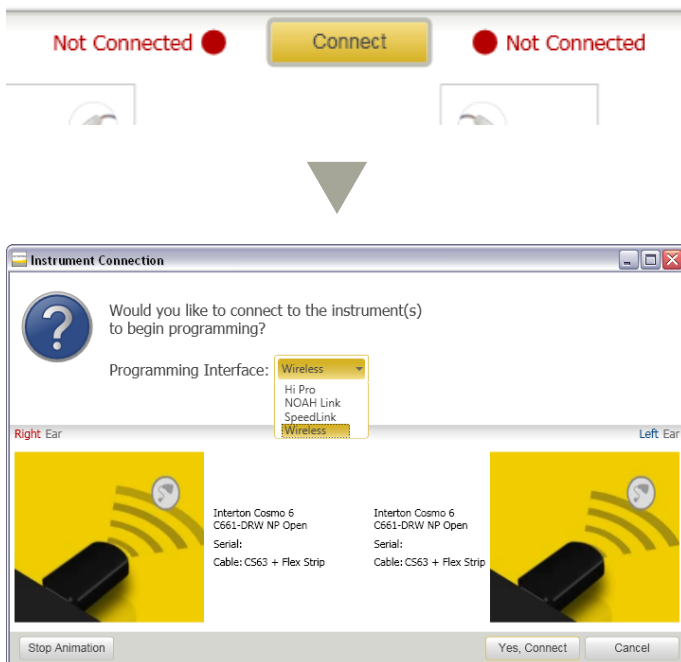


Remember to plug in Airlink before starting Appraise software.

You can plug in Airlink directly to USB port when you use laptop or when your computer works on open space and nothing is blocking signals between Airlink and Hearing Aids.

If you are using PC under your desk or sound booth where wireless communication can be distorted it is recommended to USB hub to plug in Airlink and to place it near your customer.

> Other programming interfaces



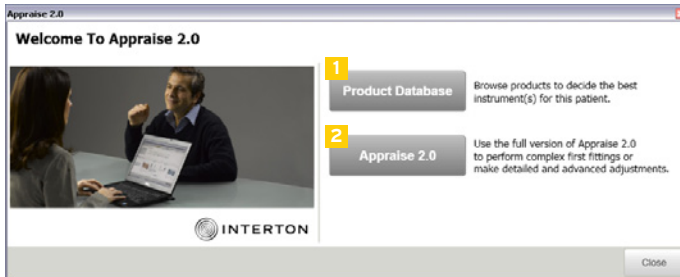
Appraise 2.0 works with:

- Airlink (wireless connection)
- Speedlink
- HiPro
- HiPro USB
- NOAHlink

You can select programming interface in connection dialog screen.

Note: Animations will show you how to connect specific models of hearing aid depending on selected programming interface.

➤ Welcome screen



After launching Appraise software you will see welcome screen.

Here you can decide to :

- 1 Browse Product Database, to present Interton portfolio to your patient.
- 2 Appraise 2.0, to start fitting software.

➤ Product database

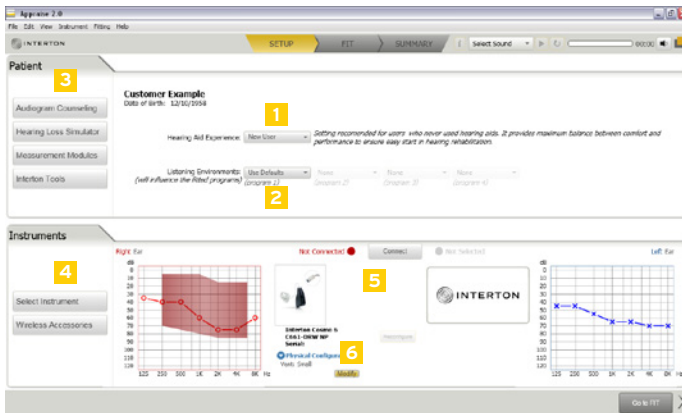


Options in the Product Database:

- 1 Product family selection - here you can see all available products per families.
- 2 Filters, to simplify searching for desired product you can use filters like "Audiogram Suitable" that show devices only in you patients fitting range.
- 3 Product window, here list of all product per selected family is displayed. You can limit number of products using specific filters.
- 4 Fitting ranges, Feature overview and Product Specification.
- 5 Product Presentation, here you can connect to product website to present benefits of desired hearing aid to your patient.

Note: you cannot connect to device in this screen. You need to close it and select Appraise 2.0 on the Welcome screen.

➤ Setup screen



Options in the Patients tab:

- 1 Select patients experience with hearing aids for better gain.
- 2 You can leave recommended by Interton default environmental offsets or select them based on patients interview (that will customize hearing aids programs).
- 3 Those tools will help you explain to your patient nature of hearing lose, start REM module or show you video instructions.

Options in the Instruments tab:

- 4 Here you can look for desired hearing aid model or manage wireless accessories.
- 5 Connect button.
- 6 Here you can modify physical configuration of the device including venting or domes and tubes types or reconfigure connected device.

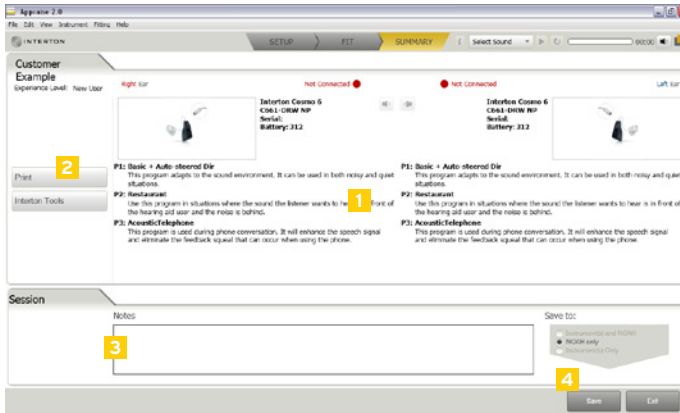
➤ Fit screen



Options in the Fit screen:

- 1 Main adjustments contain all adjustments that should be used during each fitting session.
- 2 Here you can modify gain settings and adjust gain changes (1,2,3 dB).
- 3 Environmental programs and Wireless program tabs.
- 4 Muting and coupling of the hearing aids. Curve view adjustments.
- 5 Tools, here you can find additional settings that can be used during fitting session. This menu can be hide by clicking "tools".

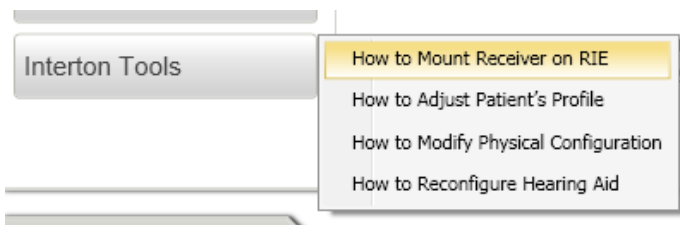
> Summary screen



Options in the Summary screen:

- 1** Summary of fitted devices including environmental offsets and recommendation to hearing aids usage.
- 2** Patient printout, it describes all basic information on hearing aid usage. Here you can also find videos for patients how to maintain their devices.
- 3** Space for notes - those notes will be printed on patients report.
- 4** Saving options (selecting database).

> Build-in video support



If your computer is connected to the internet you have access to many useful videos prepared by Interton.

Short videos are showing step-by-step how to work Appraise and Interton hearing with aids.

On each Appraise screen you can find "Interton tools". On each screen you will see only corresponding to available options videos.

Note: To see subtitles in your own language click on "CC" button (subtitles) on the video player.



> General Precautions

This Appraise fitting software will apply recommended amplification settings based on available audiometrical 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 patient when the instruments are connected. Caution should be taken with patients sensitive to sounds, for example suffering from tinnitus or hyperacusis.

> General Warnings

When connected, the Appraise Fitting Software controls the acoustic amplification levels in a hearing instrument. In some acoustic environments, over amplification can cause discomfort and damage to the patients hearing.

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 Fitting System initiates the feedback calibration procedure. Feedback calibration uses broadband noise to measure the amount of sound leaking from the hearing instrument. The output level is designed to be on the border of "uncomfortable" level based on hearing threshold level at a specific frequency. The sound will be ramped up in volume and cease when the calibration data is received. It is possible for the level to exceed a patients comfort level, but it needs to be determined if it can obtain hazardous risk levels.

The Fitting System initiates feedback calibration to measure the receiver to microphone transfer function. This is used primarily by the hearing instrument to manage feedback suppression but it is also used to display the limits of stable gain.

The maximum stable gain estimates are based on feedback calibration data, 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 max. 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.

If feedback calibration has not been performed during fitting the Max Stable Gain is not known and the device could cause feedback without warning.

The Fitting System uses the DynaFit+ algorithm to interpret audio gram data for determining optimal gain settings. The parameter used is "first time user". This 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

The Fitting System uses feedback calibration measurements to compute Max Stable Gain values. These values are an estimate of the amount of gain that can be safely applied to a hearing instrument before it begins to cause feedback. There is a warning when this gain is reached, and the over gain values are highlighted with bold, red text. The safety margins give a "close" approximation of the actual feedback border. However, it's an estimation and feedback can occur before the warning is given. 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.



Any issues relating to the EU Medical Device Directive 93/42/EEC should be directed to Interton A/S.