Advanced Bionics

Naída™ CI Q90 Acoustic Earhook

Programming Guide

SoundWave™ provides fully integrated fitting of the Naída CI Q90 Acoustic Earhook. By enabling the Acoustic Mode feature in the SoundWave fitting software, the Naída CI Q90 Acoustic Earhook can be utilized by any recipient who wishes to take advantage of acoustic hearing in the same ear as the cochlear implant.

The Naída CI Q90 Acoustic Earhook is easy to program in SoundWave with one simple fitting process.

Audiometric Testing

Gather Current Audiometric Data

Verify that the recipient has usable hearing by performing unaided pure tone audiometry across the frequency range.

- Obtain Air Conduction Thresholds (AC).
- Obtain Uncomfortable Loudness Levels (UCL), if desired.

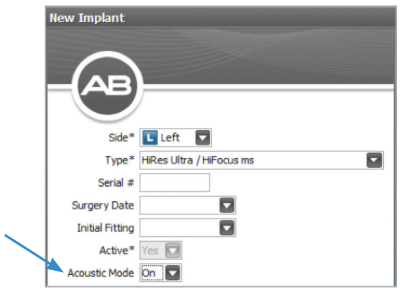
Manage Acoustic Information

Access the Patient File in SoundWave

Enable Acoustic Mode in the Implant Tab

Acoustic Mode allows access to the Acoustic Parameters within SoundWave.

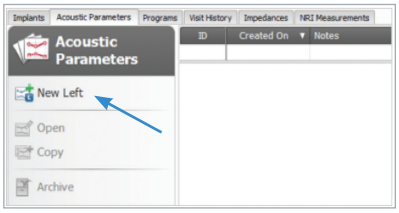
- In the Implant Tab, select ***New*** to access the Implant Window for a new recipient, or select ***Edit*** to access the Implant Window for an existing recipient.
- Select ***Acoustic Mode — On.***



Select Acoustic Parameters

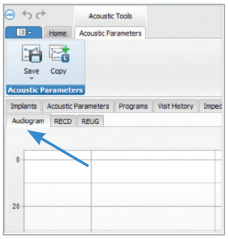
After acoustic mode has been enabled, the new Acoustic Parameters Tab will appear. All acoustic information (audiometric data, RECD, REUG) will be entered in SoundWave under Acoustic Parameters.

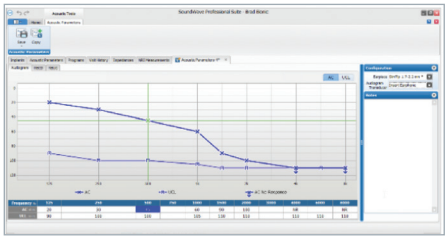
- Select the ***Acoustic Parameters Tab*** and then select ***New Right*** or ***New Left.***



Enter the Audiogram

- In the Audiogram Tab, enter the recipient's unaided pure tone audiometry Air Conduction (AC) thresholds and Uncomfortable Loudness Levels (UCL) across the frequency range.





Enter RECD and/or REUG Values (optional)

- Select the ***RECD*** or ***REUG Tab(s)***, and enter the recipient's values.
- If no values are entered, default adult values will be applied.

Note: If no response was noted for a specific frequency, select the highest tested level. Then, right-click on the value in the audiogram to select ***Mark as No Response.***

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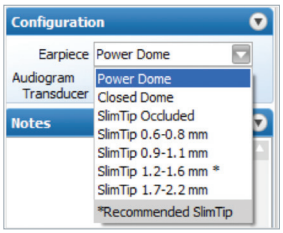
Select an Earpiece



- Under Configuration, select the earpiece from the dropdown menu.
- Available options:
  - Closed Dome: consider if occlusion is an issue
  - Power Dome: consider for first fitting
  - SlimTip (with various vent sizes): custom option from Phonak

  Note: The recommended SlimTip vent size is based on the entered audiogram and will be indicated with an asterisk (*).

Save and Close the Acoustic Parameters

- This step ***must be completed*** in order to access Acoustic Settings in the Program Window.

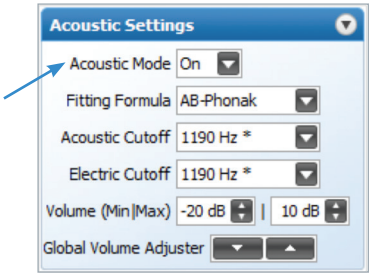
Create an Acoustic Earhook Program

Create a Baseline Program

- Select the ***Programs Tab.***
- Create a new program or copy an existing program.
- Verify/set the electric program settings (e.g. Strategy, Processing, Settings).
- Use Live Speech stimulation to verify sound quality and comfort of the baseline electric program.

Enable Acoustic Mode in Program

- Under Acoustic Settings, enable Acoustic Mode by selecting **On.**



Select the Fitting Formula

- Select the preferred fitting formula (AB-Phonak, NAL-RP, or DSL v.5).

  Note: The AB-Phonak fitting formula is designed to match the gain management and compression of the acoustic and electric signals.

Verify the Acoustic and Electric Cutoffs

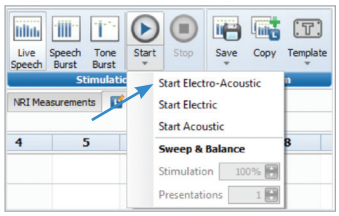
- SoundWave uses the point at which the acoustic threshold crosses 70 dB HL to determine the Acoustic and Electric Cutoff values.
- Recommended acoustic and electric cutoffs will be indicated with an asterisk (*).

Verify the Volume Range for Acoustic Stimulation

Verify Sound Quality

- Use Live Speech stimulation to verify sound quality and comfort of the electro-acoustic program.

  Note: The Global Volume Adjuster is available to adjust volume of the electric and acoustic stimulation at the same time.
- Select ***Save and Close.***



Create Additional Programs

- Consider creating additional programs based on the recipient's listening needs.

Manage Parameters in the Processor Pane and Download

Initialize Naida CI Q90 Sound Processor for Unilateral Use

Manage Parameters in the Processor Pane

- Place programs in the program slots.
- Manage processor-wide settings (Internal Alarms, Program Button, Standby Mode, Datalogging).
- Manage program slot settings (LED, ComPilot Mix, Zoom Front/Back).

Download Programs to the Processor

If you require further support, please contact your local AB representative.