

Hands-On with Target CI

Initial Activation



Josh Inn has a history of progressive sensorineural hearing loss. He has worn bilateral Phonak hearing aids for several years. Due to a recent decline in hearing sensitivity and lack of benefit from hearing aids, Josh received an Advanced Bionics cochlear implant for his left ear.

Josh leads a very demanding lifestyle. He works as a CEO for a biotech company. He is in frequent meetings, both at the office and at restaurants. Josh is an early technology adopter and chose the Marvel CI sound processor for the best-in-class technology and ease of use.

Use the following exercise to simulate Josh's initial activation programming session by walking through programming Marvel CI in Target CI.

Open Target CI

Target CI can run as a stand-alone software or can be used within Noah System 4.

Target CI must be accessed through Noah when using Noah and Target CI together.



Noah System 4

The Noah software system is designed specifically for the hearing care industry, providing professionals with a unified system for performing client-related tasks. The heart of Noah is its integration framework, supported by over 130 hearing care companies worldwide, now including [Advanced Bionics](#).

- Noah works as a common database to save audiograms, speech tests, or loudness scaling. The results can be used in the appropriate hearing instrument software, like Target CI.
- For clinics that require advanced security, Noah enables password-protected access to all fitting data.
- When accessing Target CI through Noah, the audiogram should be entered using the Audiogram Module in Noah if an audiogram is needed for the fitting (e.g. when fitting M Acoustic Earhook or Naída Link M / Sky Link M).



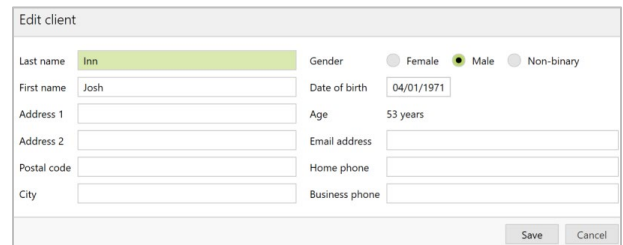
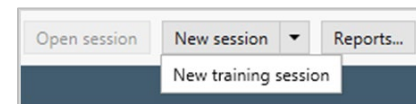
Target CI is the first cochlear implant fitting software to become a certified Noah fitting module.¹

□ Open Target CI.

¹ Advanced Bionics data on file. D000023832.

Create Client and Open Target CI Session

- ☐ Select **New client**.
- ☐ Enter the required information.
 - Last name: Inn
 - First name: Josh
 - Date of birth: 01/01/1971
- ☐ Select **Save**.
- ☐ Confirm Josh's client's file is selected (highlighted green), select the drop-down menu beside **New session**, and select **New training session**.


What are some advantages of having a training mode in Target CI?



Pro Tip: New session is recommended for the first fitting session only (initial activations). **Open session** should be used at all follow up visits to allow the programming professional to access historical impedance and NRI data. (NRI and impedance data are not stored in the sound processor.)

Target CI Workflow

Target CI provides an intuitive workflow. The dashboard at the top of Target CI shows the fitting status and offers shortcuts, making it easy to fit recipients with Marvel CI. There are three primary tabs (Client, Instruments and Fitting) that offer easy navigation and status information.

 Client Test, Test	      Instruments Naída CI M90	       Fitting Calm situation A
CLIENT TAB All client information, such as personal data and audiogram, are found in this tab.	INSTRUMENTS TAB All hearing instruments, acoustic parameters, remote controls and other accessories are found here.	FITTING TAB All device adjustments are completed here.

INSTRUMENTS TAB

Connect the Hearing Instrument(s)

Noahlink Wireless

Noahlink Wireless is a programming interface that uses Bluetooth Low Energy (BLE) standard. Noahlink Wireless provides completely wireless programming between a computer equipped with fitting software and BLE enabled hearing instruments.

- Noahlink Wireless can be used with Noah System 4 or independent of Noah System 4.
- The communication range of Noahlink Wireless is 3 meters/10 feet.
- When using Noahlink Wireless, place it on a table with a clear line-of-sight to the hearing instrument(s).

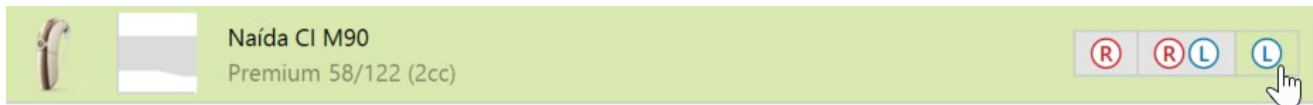


Pro Tip: The AB Remote mobile app should not be in use while programming with Target CI. The AB Remote mobile app should always be closed during programming. Note: The AB Remote mobile app and Noahlink Wireless both use Bluetooth LE.



Pro Tip: It is important to use rechargeable batteries when using Noahlink Wireless for programming. NRI, automatic impedances, and battery estimator cannot run when using Zinc-Air batteries. Target CI will provide a warning upon connection of device using Zinc-Air batteries that this is not recommended.

- ☐ Select the **Instruments** tab and identify the hearing instrument that Josh will use (Naída CI M90).



- ☐ Click on **L** to identify the side for which Josh's device will be used.
- ☐ Connect the hearing instrument by selecting **Connect** in the Dashboard.
- ☐ Click on  **Select** to confirm the side for which Josh's device is intended to be used.
- ☐ Select **Continue**.
- ☐ Once the connection is successful, select **Close** to proceed.



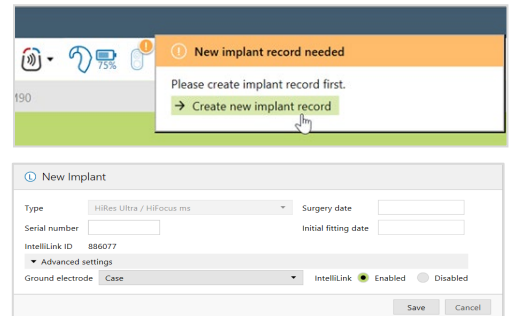
List some key benefits of using Noahlink Wireless.



CLIENT TAB

Connect to Internal Device

- ☐ In the Dashboard, hover on the orange ! and select **Create new implant record** for the left side to add the implant information.
- ☐ Confirm implant type. Enter any additional implant information.
Note: Implant type will be selected automatically when headpiece is connected to recipient's internal device.
- ☐ Select **Save**.



Condition Electrodes and Review Impedances

Impedances will run automatically by default when connected to the recipient's implant.

- ☐ Select the **Impedances** tab.
- ☐ Above the impedance chart for the left ear, select the drop-down menu beside Start Measurement.
- ☐ Select **Start conditioning** to condition the electrodes.
- ☐ Review impedances.

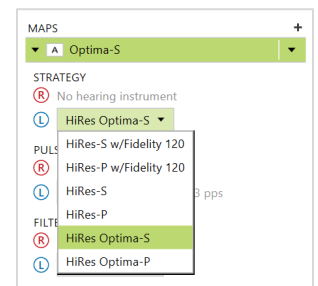
FITTING TAB

Create a Baseline Fitting Map

- ☐ From the Navigation Pane, select the **Fitting** tab > **Mapping**.
- ☐ Review parameters for the map: Strategy, Pulse Width & Rate, and Filter Type.



Pro Tip: Map option settings (IDR, ClearVoice, and SoftVoice) can be customized for each individual map. Changes to these settings may be made prior to mapping, if desired. Access these settings in the **Fine Tuning** tab > **Map options**.



- ☐ Set M-Levels using Live Speech, Speech Burst, or Tone Burst stimulation.
Note: M-Levels should be set at most comfortable (Level 6 on the Loudness Scale).
- ☐ Verify comfort using Live Speech stimulation.
- ☐ Select the **Progressive levels** drop-down from the Global Device Options menu.



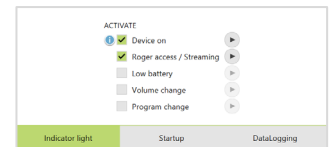
- ☐ Select the desired increment steps (5 CU or 10 CU) for Progressive levels.

Manage Programs / Fine Tuning

- ☐ From the Navigation Pane, select the **Fitting** tab > **Fine tuning**.
- ☐ Confirm settings for **AutoSense OS** program, as desired.
- ☐ Confirm settings in **Map options**, as desired.
Note: IDR, ClearVoice and SoftVoice settings can be adjusted in the Map options tab and are shared among all automatic programs and streaming programs.
- ☐ Confirm settings in **Program options**, as desired.
Note: Microphone mode and comfort features can be adjusted in the Program options tab for each individual program.

Manage Device Options

- ☐ From the Navigation Pane, select **Fitting** > **Device options**.
- ☐ Manage manual controls, Bluetooth, Signals & alerts, Indicator light, Startup and Datalogging, as needed, based on each recipient's unique preferences.
Note: In the Bluetooth tab, consider customizing the Bluetooth Name for each individual device. The Bluetooth Name will appear on the Bluetooth accessory (e.g. phone, tablet, computer) during Bluetooth pairing and in the AB Remote mobile app. A personalized name makes managing Bluetooth features easier for the recipient.



What helpful information can be found in the Manual controls tab?



Pro Tip: The audible alarm for the M Waterproof Battery is tied to the Marvel CI LED setting. For clients who plan to use this device, it is recommended to select the LED setting for **Device on**.



Pro Tip: Battery estimation data is available for all Marvel CI batteries. This data can be accessed after closing the session or anytime by accessing the Target CI fitting menu.

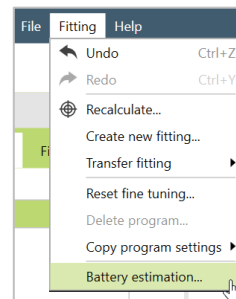
Run Battery Estimation

In a live clinic session, battery estimation will be available after **Save and Close** is selected. In order to conduct Battery estimation during a training session, complete the following steps.

- ☐ Select **Fitting** in the blue bar at the top of Target CI.
- ☐ Select **Battery estimation**.
- ☐ Select **Run battery estimation**.

Review the battery estimation data for Josh.

- ☐ Select **Close** to close the battery estimation data.
- ☐ Select **Close Training**.
- ☐ Select **OK** to confirm saving is not possible in training mode and close the session.



Success! Josh's initial activation is complete!