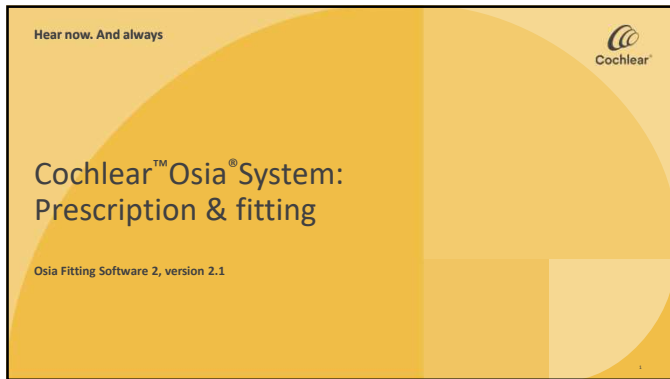




1

Learning Goals

At the end of this session, learners will be able to:

1. Describe how to select a magnet strength and place a magnet in the Osia 2 Sound Processor
2. Define Digital Link Calibration and explain how to run it for an Osia activation
3. List the steps for a successful Osia fitting in Osia Fitting Software 2.1



2

Our Mission

We help people hear and be heard.

We **empower** people to connect with others and live a full life.

We **transform** the way people understand and treat hearing loss.

We **innovate** and bring to market a range of implantable hearing solutions that deliver a lifetime of hearing outcomes.



3

Agenda

- Getting Started
- Osia Fitting Software 2.1
- Fitting Steps
- Fitting Tips
- Summary



4

Hear now. And always

Cochlear

Getting Started

5

System Overview

Cochlear OS2000 Implant

Cochlear OS3000 Implant

Cochlear Osia 2 or 2i Sound Processor

Cochlear Osia Smart App for iOS (iPhone and watch) & Android

Cochlear Osia Fitting Software 2.1

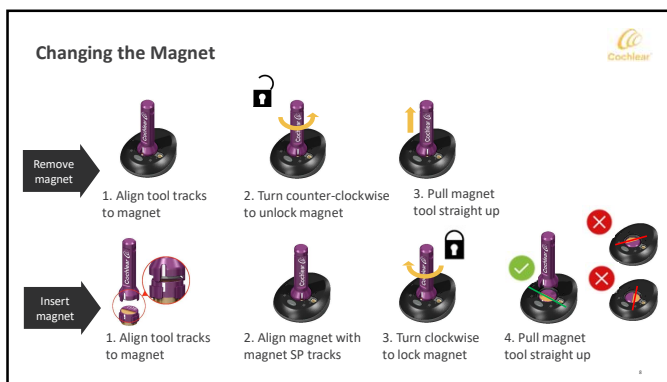
Compatible with Cochlear True Wireless Devices



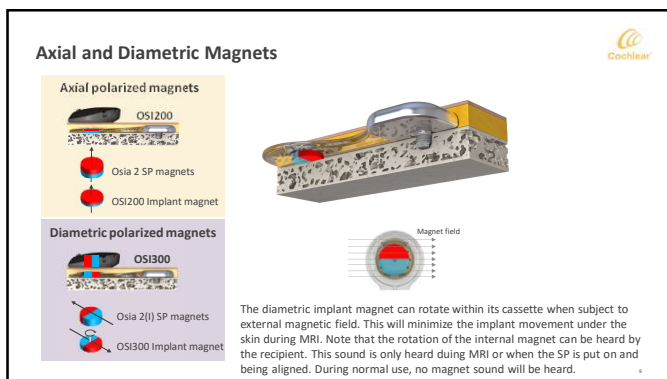
6



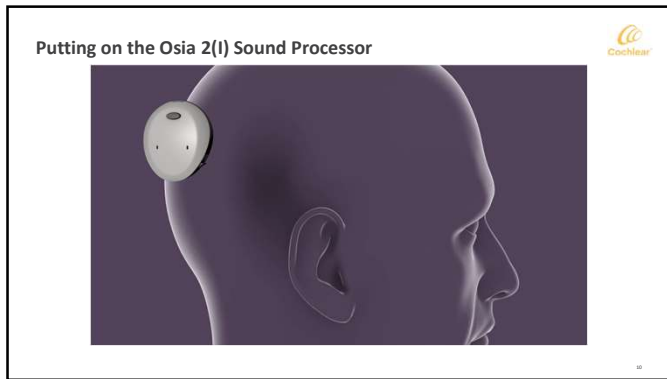
7



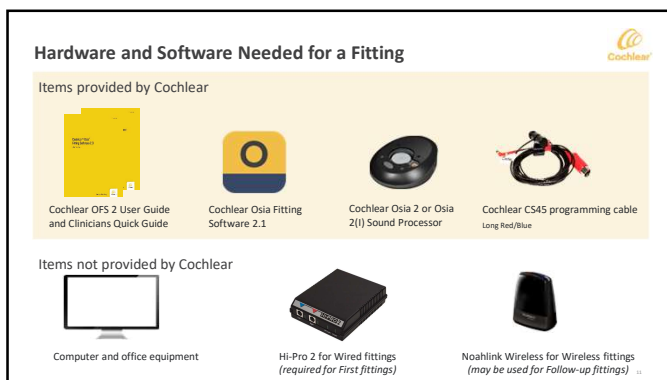
8



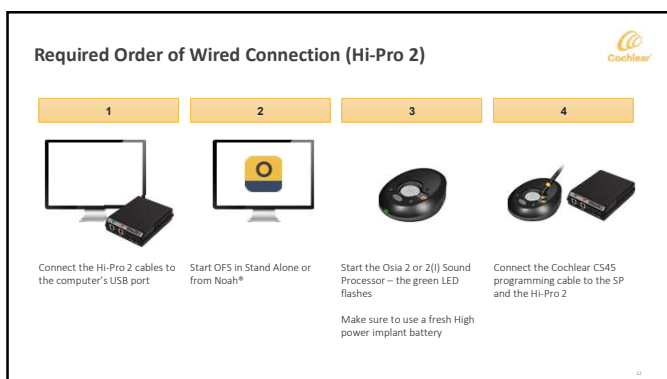
9



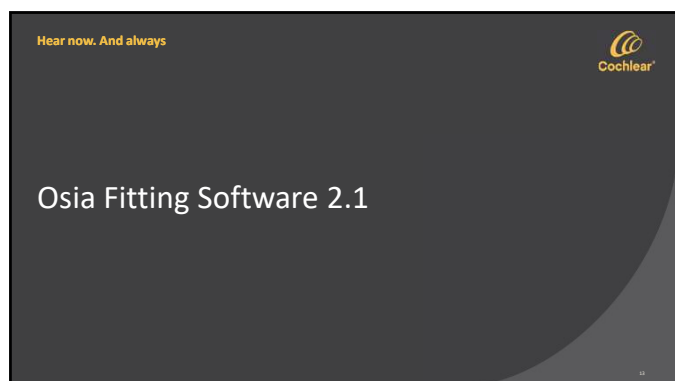
10



11



12



13

OFS 2.1 - Launch Using Stand Alone Mode or From Noah®

Stand Alone mode



Find the Cochlear Fitting Suite icon as a shortcut on your desktop or in your Start menu

In Cochlear Fitting Suite, you will find the Osia Fitting Software module.

- Fill in and edit patient and clinic information
- Fill in and edit audiogram
- No database available. Clinic needs to take precautions to save the patient files in a secure way

Using Noah



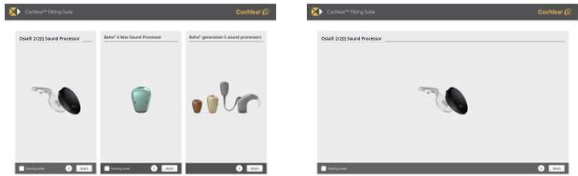
Find the Cochlear Fitting Suite module icon in the Noah module section

In Cochlear Fitting Suite, you will find the Osia Fitting Software module.

- Pre-populated patient information
- Pre-populated audiogram
- Saves file to Noah database

14

Cochlear Fitting Suite

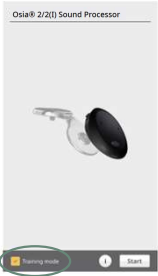


In Cochlear Fitting Suite, find all installed Osia Fitting Software and Baha® Fitting Software modules

Enter the software from the Cochlear Fitting Suite by clicking "Start"

15

Training Mode

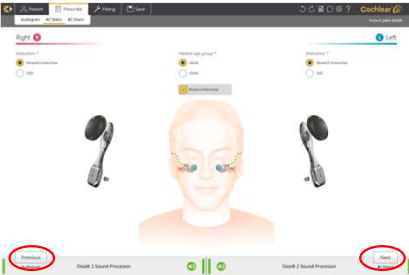


- Virtual**
 - No need for a sound processor or an implant
- Virtual practice session**
 - Feedback analyzer differs between different measurements
- Watermarked Training Mode**
 - To avoid confusion with a real fitting
- No save to file**
 - Save disc space

16

Navigate through the Software

Navigate through the software by using the **Previous** and **Next** buttons at the bottom of the screen or using the top menu.



17

Welcome Screen – Select Fitting Workflow

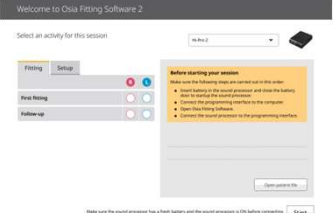
In the Welcome screen, select the workflow most appropriate for the current session.

There are several workflows to guide you through different fitting scenarios. Information about the different workflows is available in the activity selection grey box.

The Welcome screen will automatically be shown prior to connection.

The different activities are split into two tabs: **Fitting** and **Setup**.

Select the interface for connection: **Hi-Pro 2** or **Noahlink Wireless**



18

Fitting Workflow Overview									
	Connection	Associate to implant	Feedback Analyser	Audiogram	BC Select	BC Direct	Adjustments	Wireless	Save
Activity									
First fitting		✓	✓	✓	✓	✓	✓	✓	✓
Follow-Up	✓						✓	✓	✓
Set up replacement sound processor									

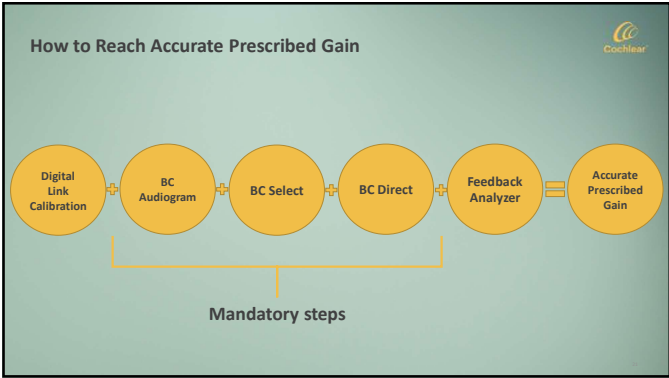
19

Hear now. And always

Cochlear

Fitting Steps

20



21

Digital Link Calibration (DLC)



All in one screen with indication when run

Set an individual gain baseline

Magnet recommendation

Pure tone sweep

NOTE: For the software to recommend a magnet strength for the recipient, a strength 3(l) or 4(l) magnet should be used in this calibration. Therefore, start the fitting with a 3(l) or 4(l) magnet in the processor. Change to an appropriate magnet before the patient leaves.

22

BC Audiogram

When working with OFS

- With NOAH, the audiogram is populated using data from the office system and cannot be edited.
- As a stand alone application, the audiogram must be added manually.
- Enter unmasked bone conduction thresholds if available.
 - If unavailable, masked bone conduction thresholds will be used to calculate prescription.
 - Air conduction thresholds are not used in BC prescription calculations.

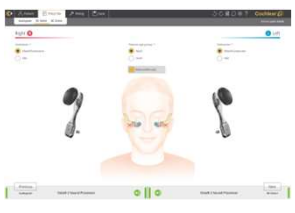


Information on this screen is included in the session report at the end of the session.

23

BC Select

- BC Select is a mandatory programming step
- Select the choices that best describe your patient:
 - Indication:** Mixed/Conductive or SSD
 - Patient age group:** Infant, Child, Adult
 - Bilateral/Bimodal:** Select to inform the software to compensate for binaural summation.



24

BC Direct

- BC Direct allows you to measure the hearing thresholds directly through the Baha System.
- Either Audiogram or BC Direct is required to apply a correct prescription. For best results, provide *both*.

Keyboard shortcuts:

Play tone: Space bar
 Lower tone frequency: Left arrow
 Higher tone frequency: Right arrow
 Decrease volume: Up arrow
 Increase volume: Down arrow



It is recommended to run 500 Hz, 1 kHz, 2 kHz, 4 kHz and 6 kHz as a minimum in BC Direct.

NOTE: The in-situ measurement may differ from the audiometric BC thresholds due to differences in the method of measurement (transducer vs bone vibrator)

25

Feedback Analyzer

The Feedback Analyzer is a recommended step to activate the feedback manager and set the Individual Stable Gain (ISG).

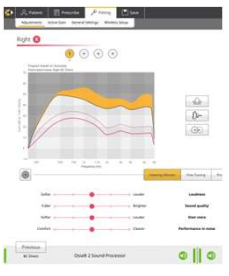
- Test lasts from 1 to 12 second
- Level will never exceed 73 dBHL
- Measures the patient's individual feedback path to reduce the risk of feedback.

The feedback measurement can be re-run in the software.



26

Fitting – Hearing Mentor



- Loudness:** adjust the overall loudness.
- Sound quality:** Increase for brighter sound. Decrease for fuller sound.
- Own voice:** Increase or decrease
- Performance in noise:** Increase for emphasis on speech sounds. Decrease for a more comfortable sound.

27

Fitting – Fine Tuning

Adjust soft and loud gain (G50 and G80) and MPO per channel.

Select frequency/frequencies and adjust by using the up/down arrows.

View the compression ratio (CR).

Change between offset gain and force gain in the table.

Expand to ten frequencies by clicking the "Expand" button.

28

Program Choices

First slot in first fitting will be Everyday as default, can be changed by patient choice.

Four slots to set patient's listening programs.

An active program slot will be marked with a grey outline

Five choices of program types.

29

Wireless Setup

To assist the clinician when setting up wireless devices.

Press the pair button in a free slot (1). Then press the pair button on the accessory (2) within 60 seconds.

30

Digital Link Settings

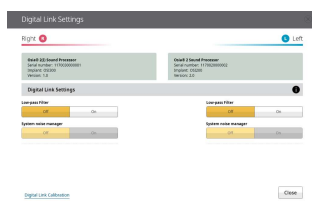
The Digital Link Settings screen provides adjustment options in the unlikely event that the recipient experiences audible system distortion.

For OSI200 Version 1.0:

Access to adjust the Audio Signal Offset and the Low-pass Filter.

For OSI200 Version 2.0 and OSI300:

Access to adjust the Low-pass Filter and turn on System Noise Manager. When the System Noise Manager is activated, it is recommended to re-measure BC Direct and the Feedback Analyzer.

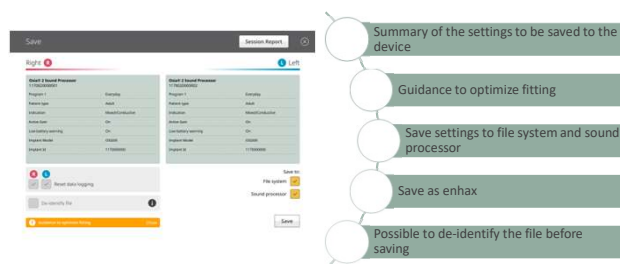


NOTE: Adding only the Low-pass Filter will increase battery consumption.

NOTE: The Digital Link Settings features are not available for OSI100 implant.

31

Save



Summary of the settings to be saved to the device

Guidance to optimize fitting

Save settings to file system and sound processor

Save as enhax

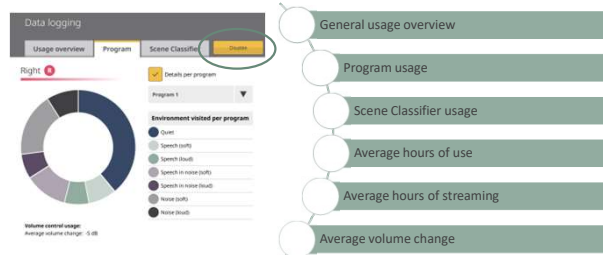
Possible to de-identify the file before saving

32

Data Logging

Access information about how the patient has used the sound processor through data logging.

Click **Enable** to view data logging. **Disable** turns off viewing but does not turn off collection of data logs in the processor.



general usage overview

Program usage

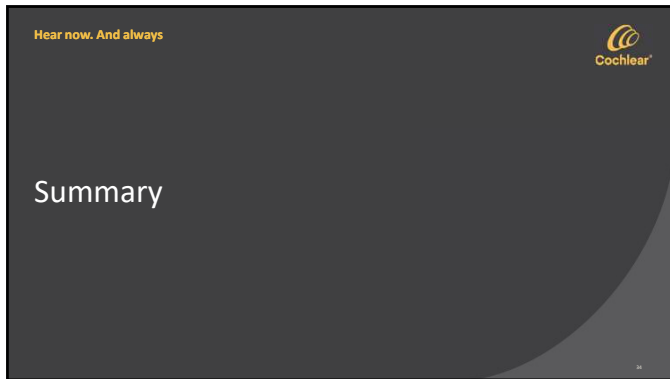
Scene Classifier usage

Average hours of use

Average hours of streaming

average volume change

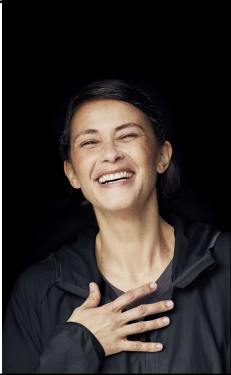
33



34

Fitting Reminders

- ✓ A wired connection using the HiPro 2 is required for initial fittings and applying firmware updates (subsequent fittings can be wireless)
- ✓ Magnet strength should be monitored closely in the initial weeks of device use to ensure tissue health under the magnet
- ✓ Patients should be counseled about wireless device use, retention options, battery life and basic device operation



35

Support Materials for Clinicians

- Osia Fitting Software User Guide
 - Access in Osia Fitting Software
 - Access at www.cochlear.com/global/en/manuals/osia-fitting-software
- Osia 2 and 2(I) Sound Processor Clinician's Quick Guide
 - Access at www.cochlear.com/global/en/manuals/osia-fitting-software
- OSi085 Osia System Candidate Selection Guide
- OSi099 Osia Fitting Software 2.1 Desk Reference Guide




36



37

Disclaimers

This material is intended for health professionals. If you are a consumer, please seek advice from your health professional about treatments for hearing loss. Outcomes may vary, and your health professional will advise you about the factors which could affect your outcome. Always read the instructions for use. Not all products are available in all countries. Please contact your local Cochlear representative for product information.

This material is intended as a guide for information purposes only and does not replace or remove clinical judgment or the professional care and duty necessary for each specific recipient case. The information has been prepared with reference to the best information available at the time of preparation. However, no assurance is given that the information is entirely complete or accurate in every respect. Clinical care carried out in accordance with this material should be provided within the context of locally available resources and expertise. This material does not address all elements of standard practice and accepts that individual clinicians are responsible to:

- advise recipients of their choice and ensure informed consent is obtained prior to delivering care
- provide care within scope of practice, meet all legislative requirements and maintain standards of professional conduct
- apply standard precautions, and additional precautions as necessary, when delivering care
- document all care in accordance with mandatory and local requirements.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Cochlear is under license.

Apple, the Apple logo, Apple Watch, FaceTime, Made for iPad logo, Made for iPhone logo, Made for iPod logo, iPhone, iPad Pro, iPad Air, iPad mini, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc., registered in the U.S. and other countries.

Android is a trademark of Google LLC.

HiPho2 is a trademark or registered trademark owned, licensed to, promoted or distributed by Natus Medical Incorporated, its subsidiaries or affiliates.

"Noah" is a registered trademark of HIMS II K/S in the USA. Outside the USA, "Noah" is a trademark of HIMS II K/S. "NOAHlink" is a registered trademark of HIMS II K/S in Denmark. Outside Denmark, "NOAHlink" is a trademark of HIMS II K/S.

©Cochlear Limited 2023. All rights reserved. ACU, Advance Off Stylet, ACU, Ardium, AutoMRT, AutoSensitivity, Baha, Baha SoftWear, BCDrive, Beam, Bring Back the Best, Button, Canine, Cochlear, 株式会社, コレラ, 코렐리, Cochlear SoftWear, Contour, コントラ, Contour Advance, Custom Sound, DermaLock, Freedom, Hear now. And always, Huglit, Human Design, Hybrid, Invisible Hearing, Kamo, LowPro, MET, MP3000, myCochlear, mySmartSound, NRT, Nucleus, Oia, Outcome Focused Fitting, Off Stylet, Pico Power, Profile, Similer, SmartSound, Softip, SoundArc, True Wireless, the elliptical logo, Viatra, Whisper, WindShield and Xidum are either trademarks or registered trademarks of the Cochlear group of companies.



38
