

MED-EL Made Simple

A First Fit in 7 Easy Steps

Andrea Hedley-Williams, Clinical Education Manager

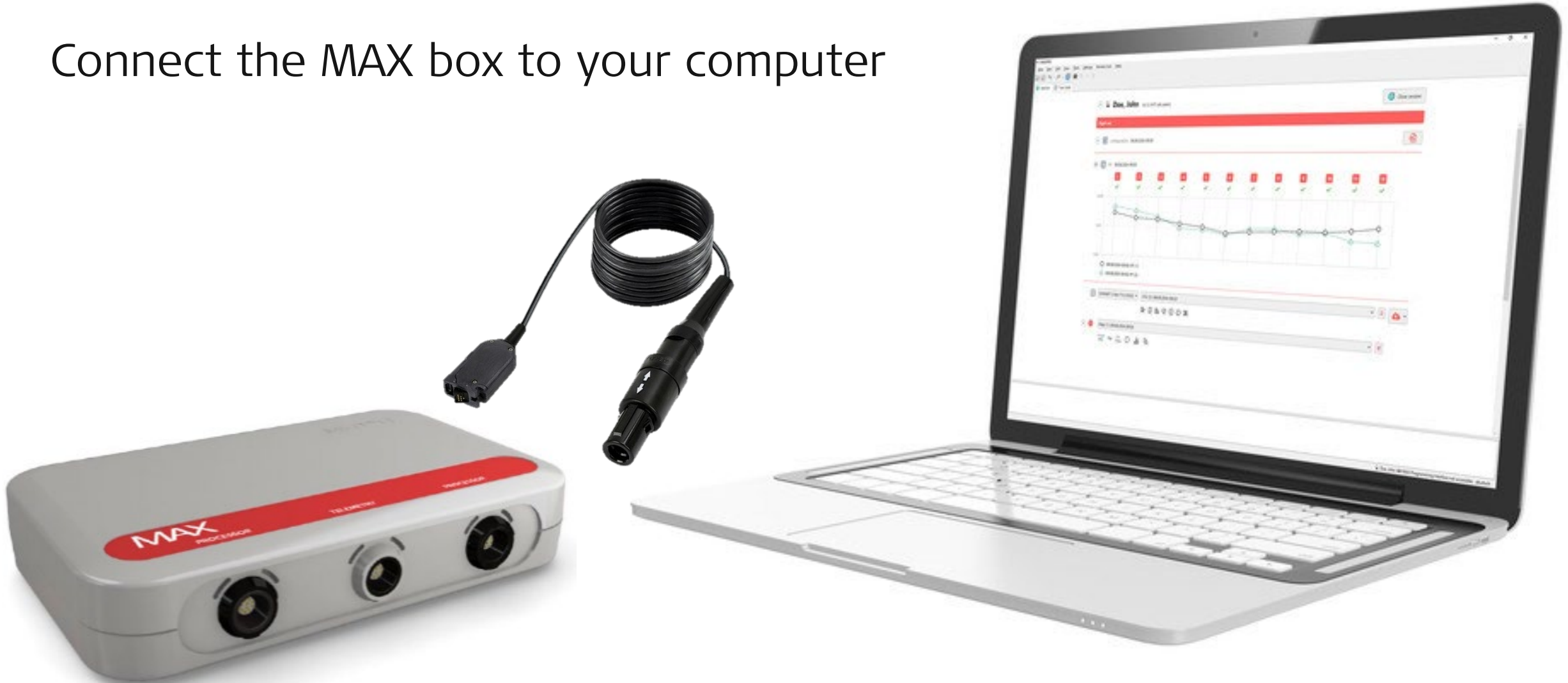
A First Fit in 7 Easy Steps

1. Create patient file
2. Run Impedance Field Telemetry (IFT)
3. Create a new fitting map with AutoART
4. Apply Anatomy-Based Fitting (ABF) (if available)
5. Measure Maximum Comfortable Loudness (MCL)
6. Create progressive maps
7. Program processor



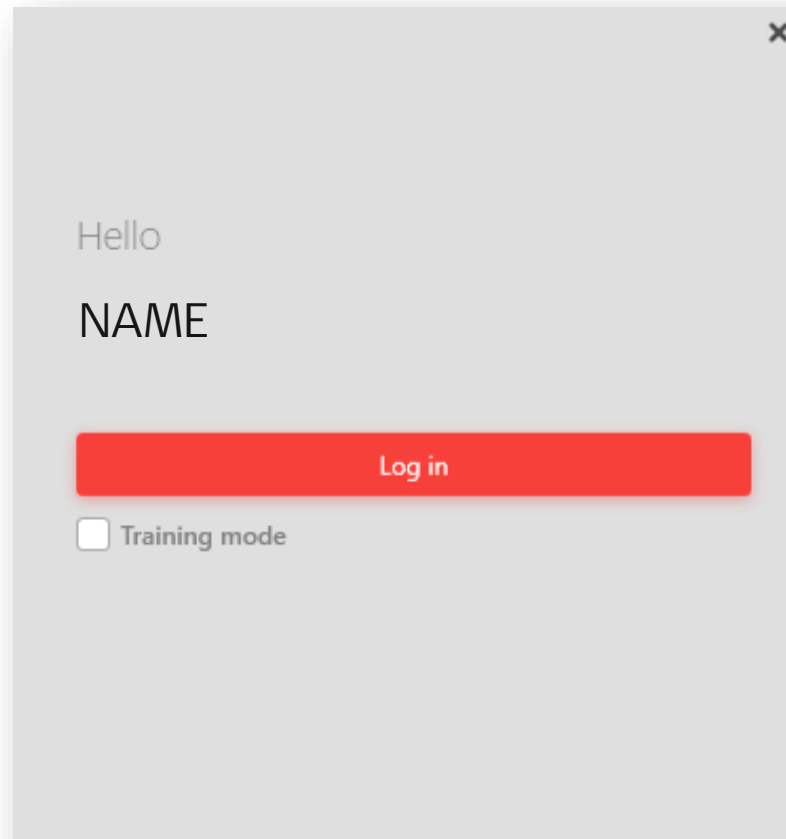
Getting Ready

Connect the MAX box to your computer



Getting Ready

Open the MAESTRO software



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Step 1: Create patient file



 **Personal**

First name *

Last name *

Birth date *

(select a birth date)



Gender *



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Answer Vaccination information



Vaccination information

Because people with cochlear implants are at increased risk for meningitis, the Centers for Disease Control and Prevention (CDC) recommends that people with cochlear implants follow recommendations for pneumococcal vaccinations.

Has the patient been counseled about age appropriate vaccinations?

Yes



Has the patient been vaccinated?

Yes



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Add Implant for the appropriate ear and complete requested data



M Add implant

Right ear

Surgical date

(select a surgical date)

Implant

Mi12xx Series

Serial number

715124

Electrode array

Read serial number

Import anatomy data

Save

Cancel

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For Anatomy-Based Fitting (ABF), Click Import anatomy data and upload the .xml file received from OTOPLAN On Demand

Right ear

Surgical date: 1/5/2026

Implant: Mi12xx Series

SYNCHRONY 2

Serial number: 1409804

Electrode array: FLEX34

State of electrodes: 1 2 3 4 5 6 7 8 9 10 11 12

Anatomy data: OTOPLAN 1.5.0, 2/12/2021, Unspecified Patient (1/1/1900, right)
FLEX28

Read serial number Import anatomy data Save Cancel

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Select the Audio Processor icon and verify the populated information



Add processor

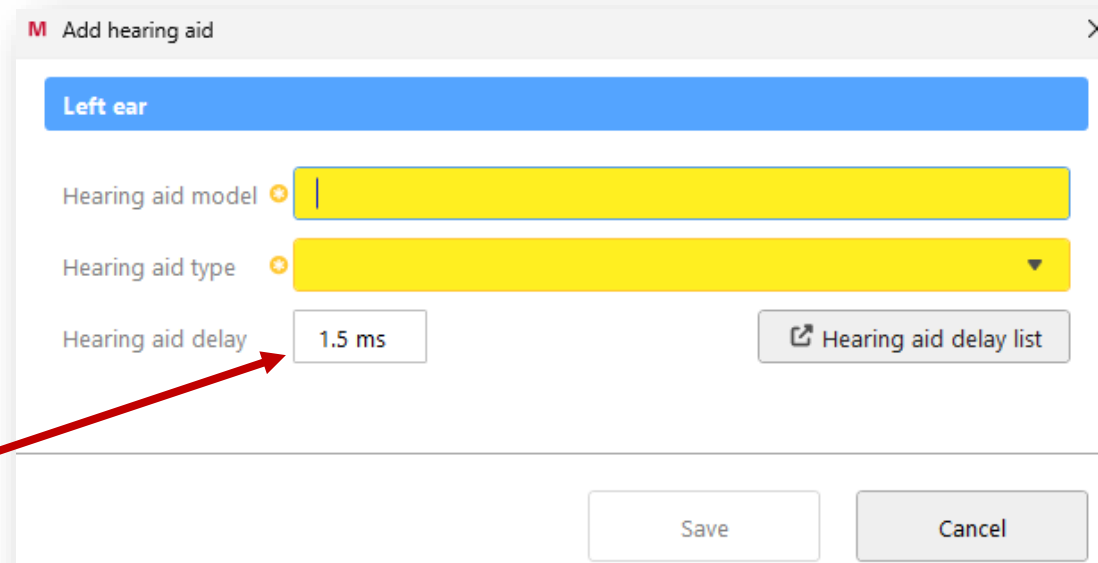
Right ear

Processor	SONNET 3 Me1710
Serial number	6245
Coil	DL-Coil
Coil magnet	Unknown
Remote control	FineTuner Echo, AudioKey
Added	4/16/2026
In use	Yes

Read serial number Save Cancel

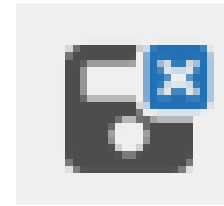
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For bimodal patients, add the hearing aid on the contralateral side
Enter the hearing aid model and type
Click **Hearing aid delay list** to access timing delay settings
Type in the delay in the Hearing aid delay box



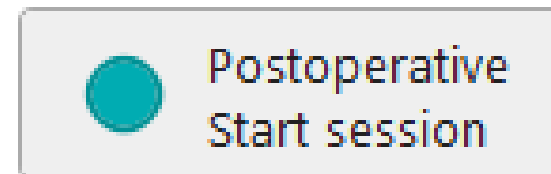
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Click Save and Close in the upper left corner



Select the patient name from the patient list in the session screen

Click Postoperative session to get started



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Step 2: Run IFT (Impedance Field Telemetry)

Select the icon



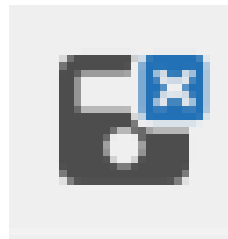
REQUIRED



Measure impedances

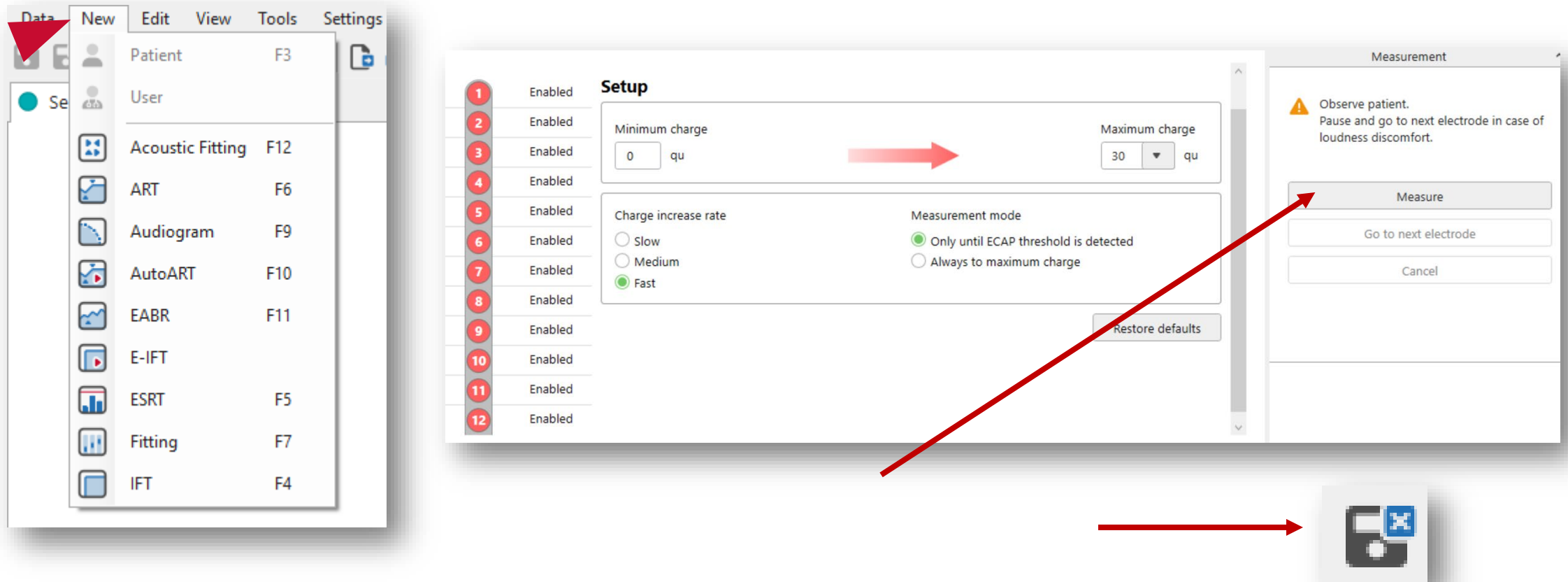
Measure

Save and Close



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Step 3: Run AutoART & Create a New Map

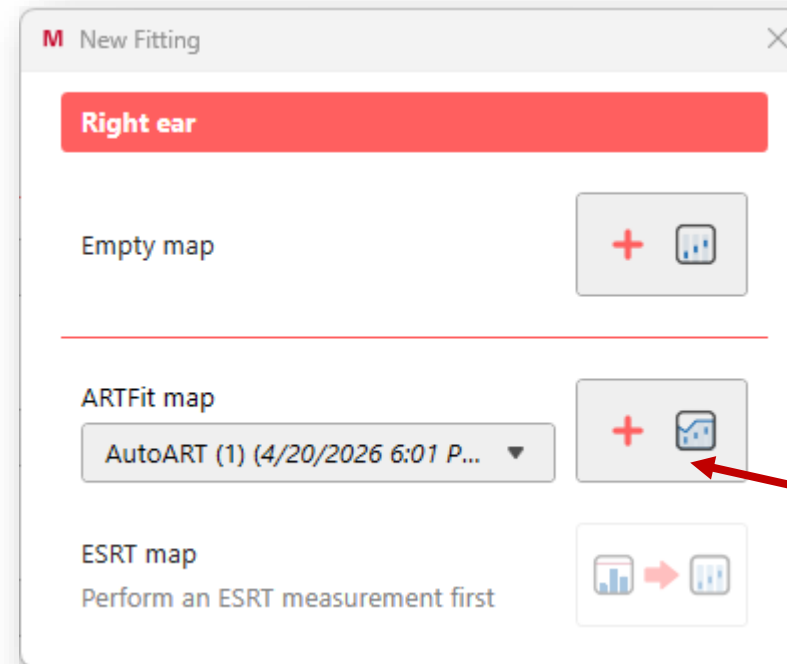


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Select



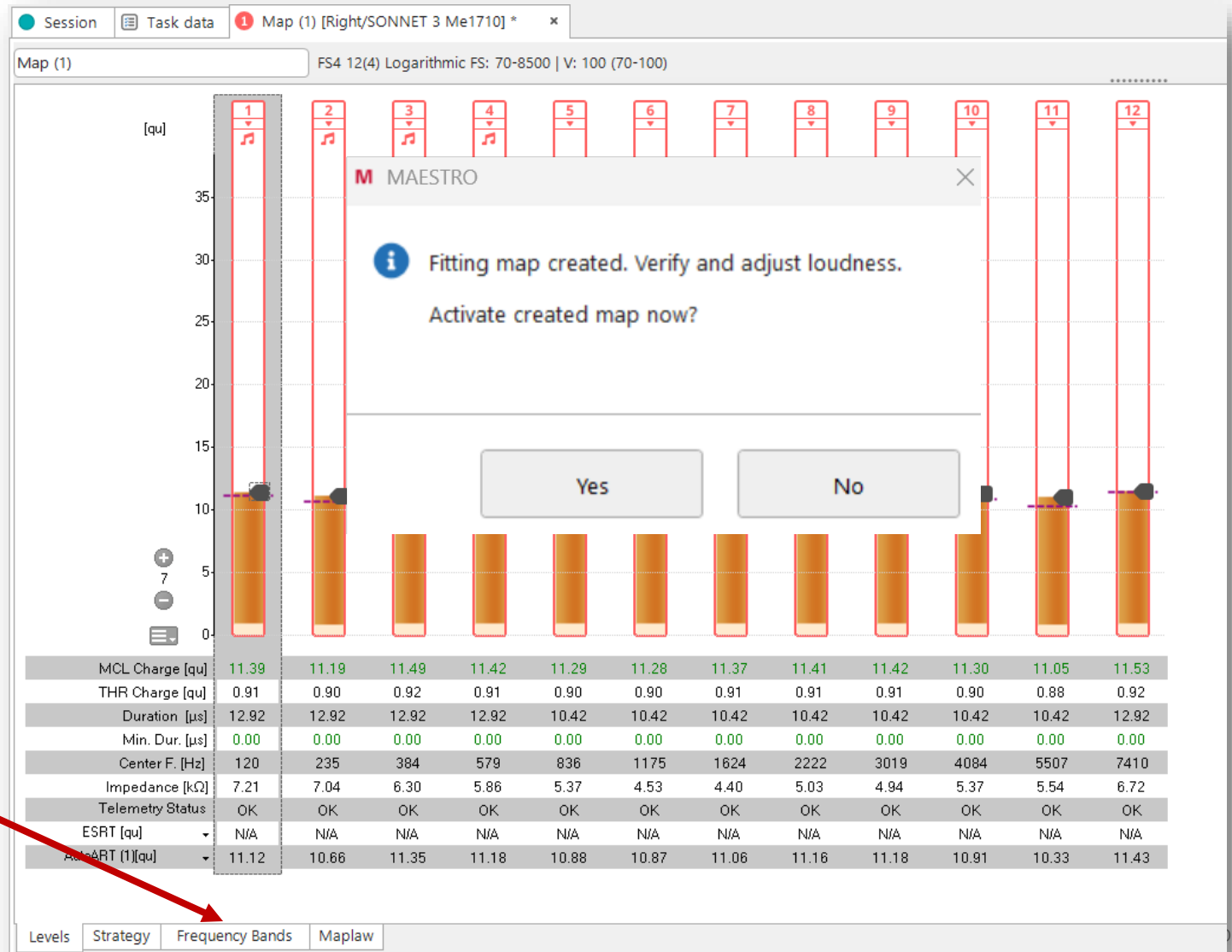
Then select create new map
from AutoART measurement



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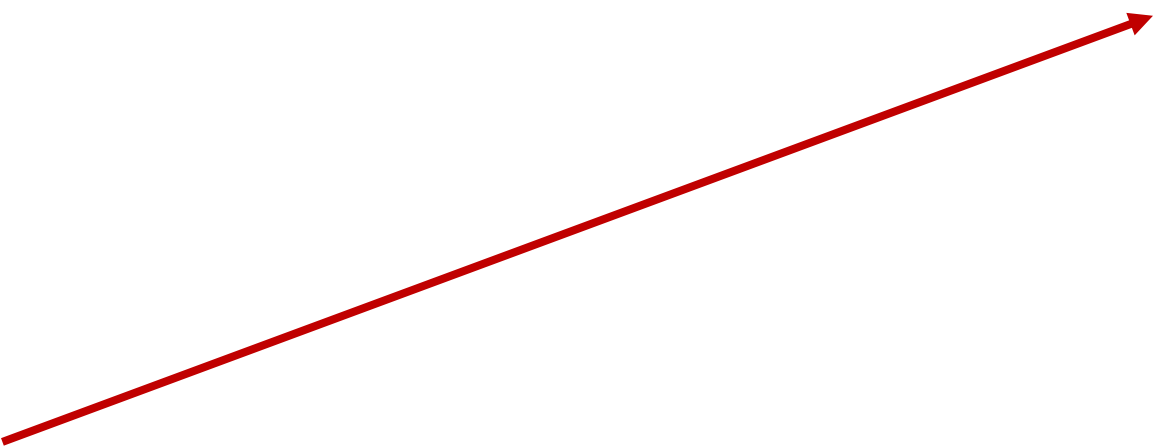
Step 4:
Apply Anatomy-Based
Fitting

Navigate to the
Frequency Bands Tab



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Select Anatomy-Based OC



Frequency Bands ^

Logarithmic FS ▾

Anatomy-based OC ▾

OC frequencies ▾

From 70 Hz ▴ ▾

To 8500 Hz ▴ ▾

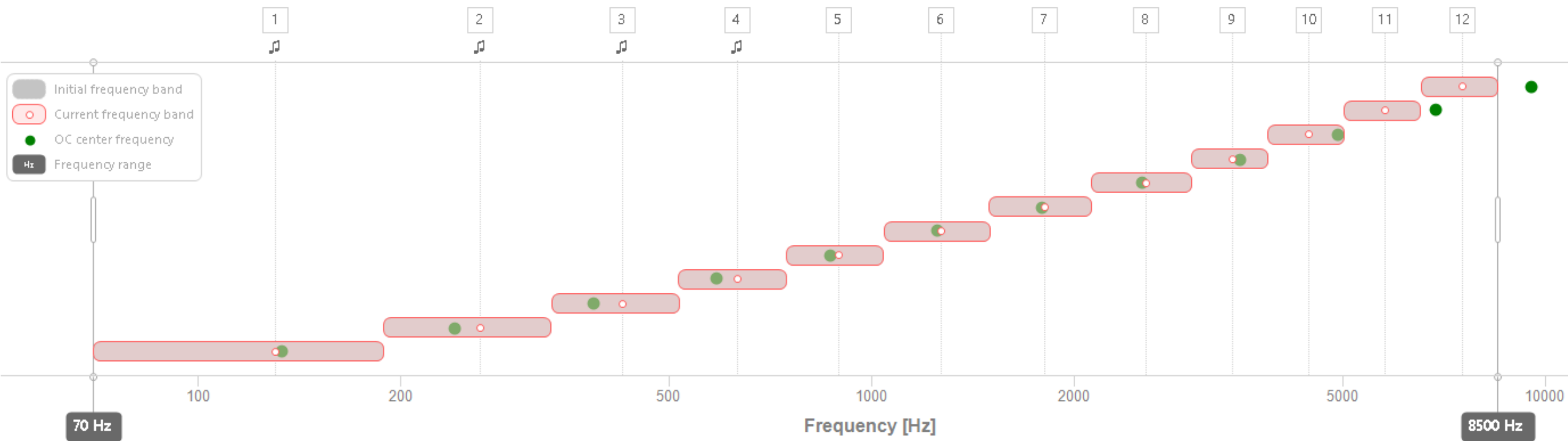
Restore Defaults

☒ Display Table

☒ Display Legend

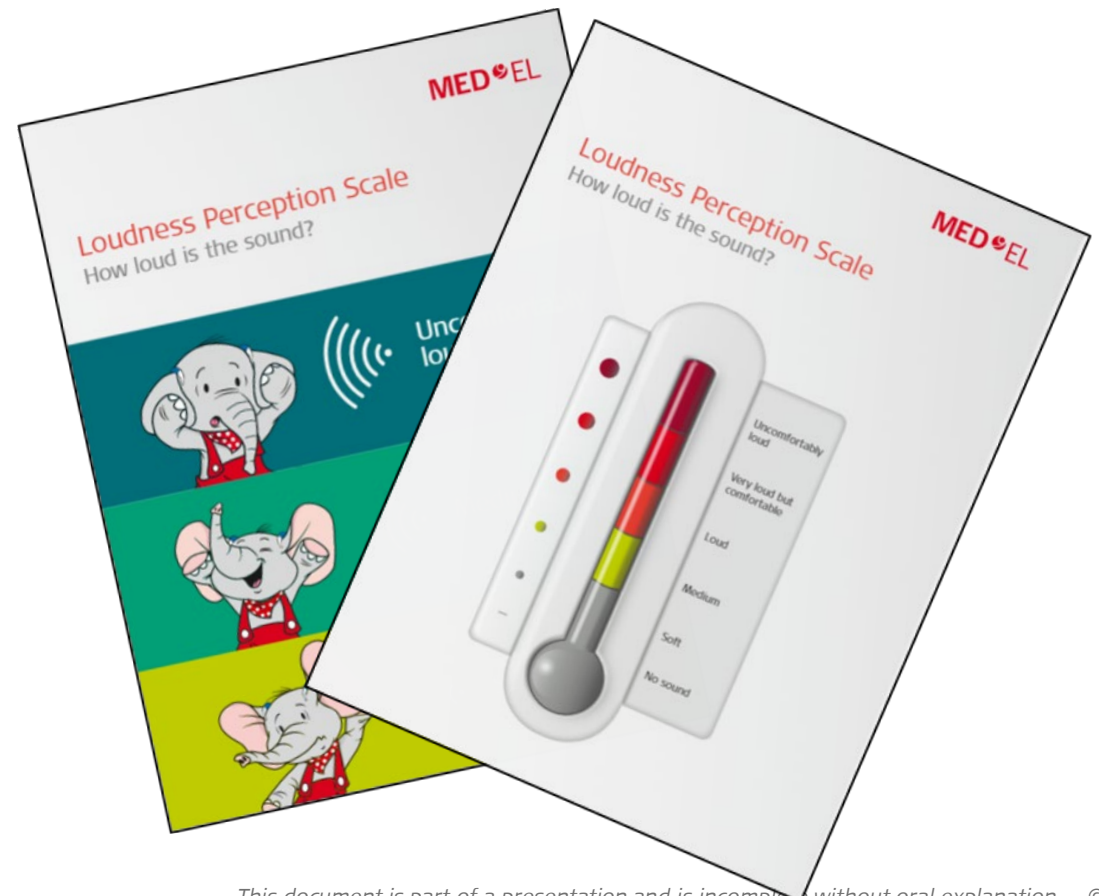
☒ Link Frequency Bands

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Step 5:
Measure Maximum
Comfortable Loudness (MCL)



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Navigate to the Levels tab



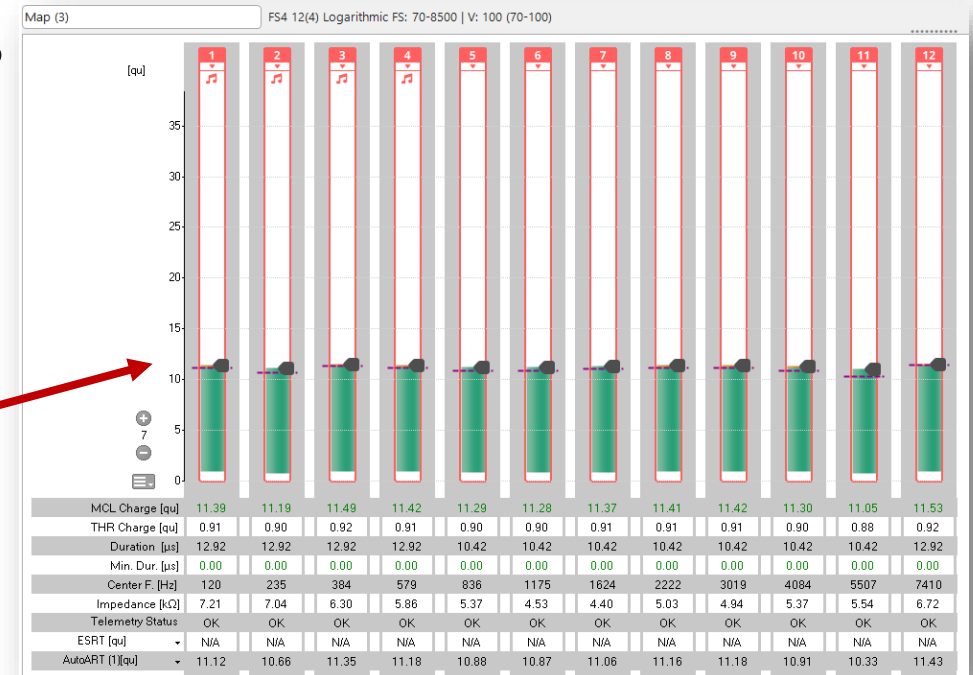
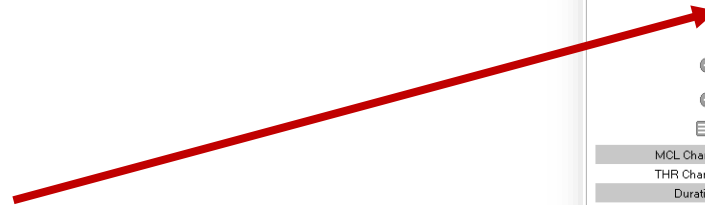
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Select the Live button to activate the processor



Hold Control + A to highlight all electrodes

Gradually increase the stimulation

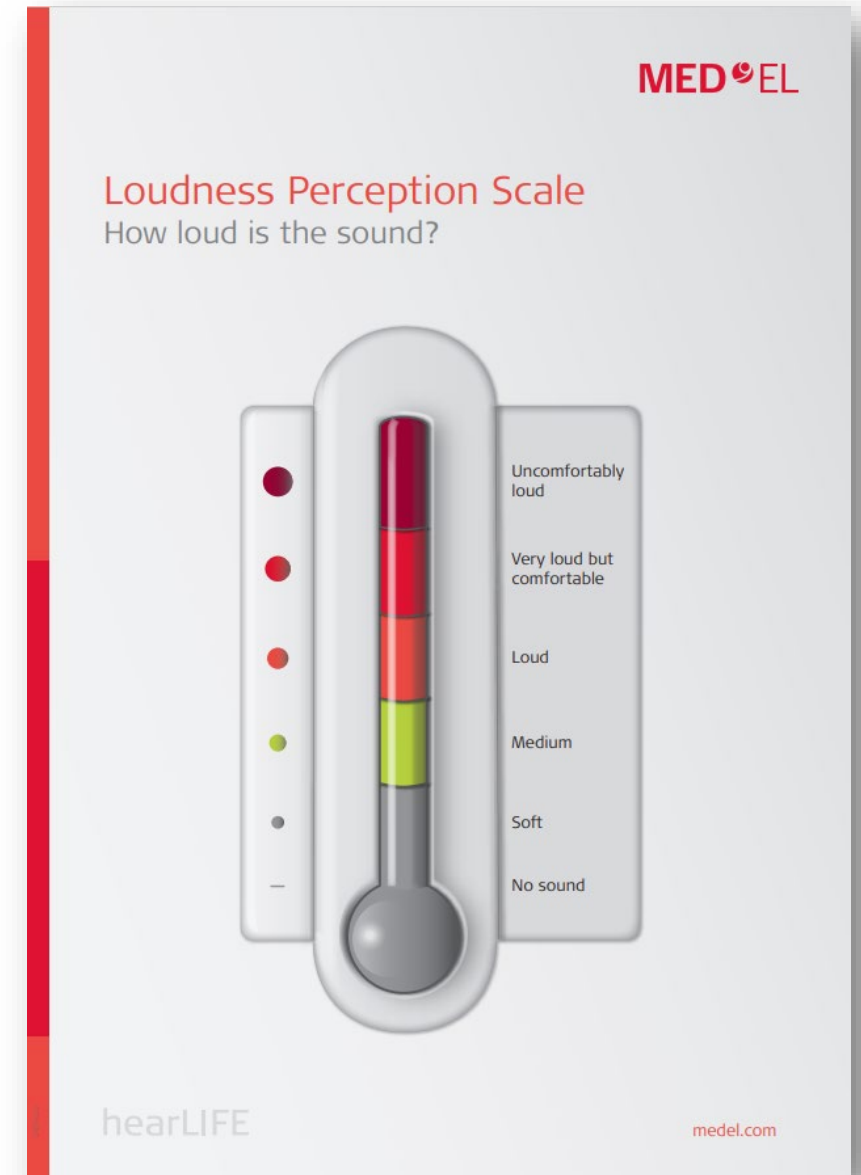


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Use a MED-EL loudness perception scale to assess loudness percept

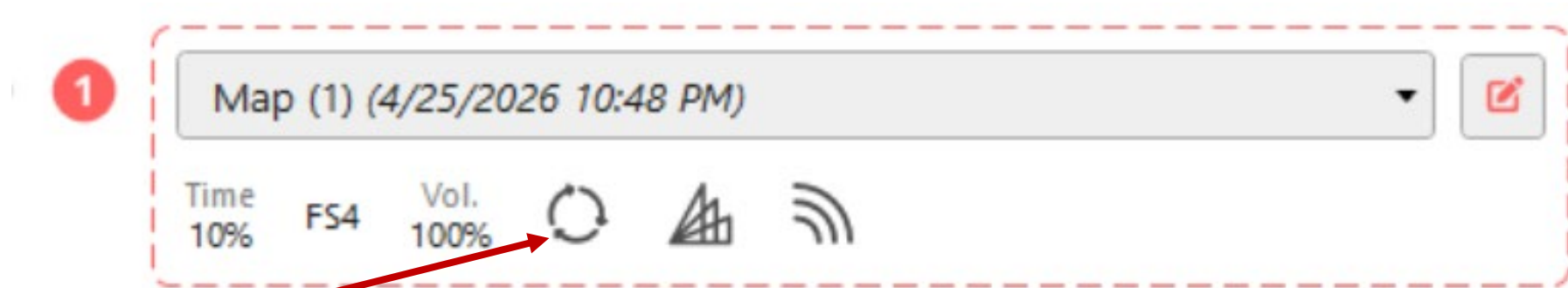
Increase the charge units, while ensuring speech is comfortable

Average charge units at activation = 8 to 15qu



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Click on any of the icons under the programming slot to adjust front end processing features if needed



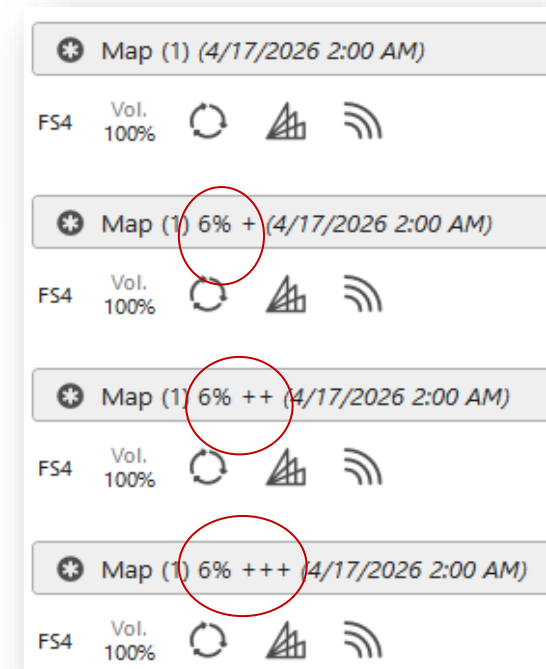
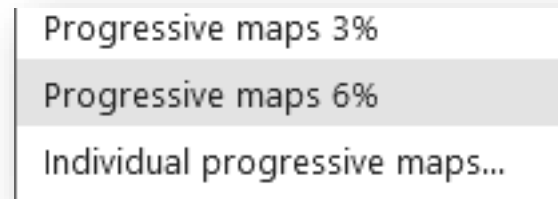
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Step 6: Create Progressive Maps

Click on the Options icon 

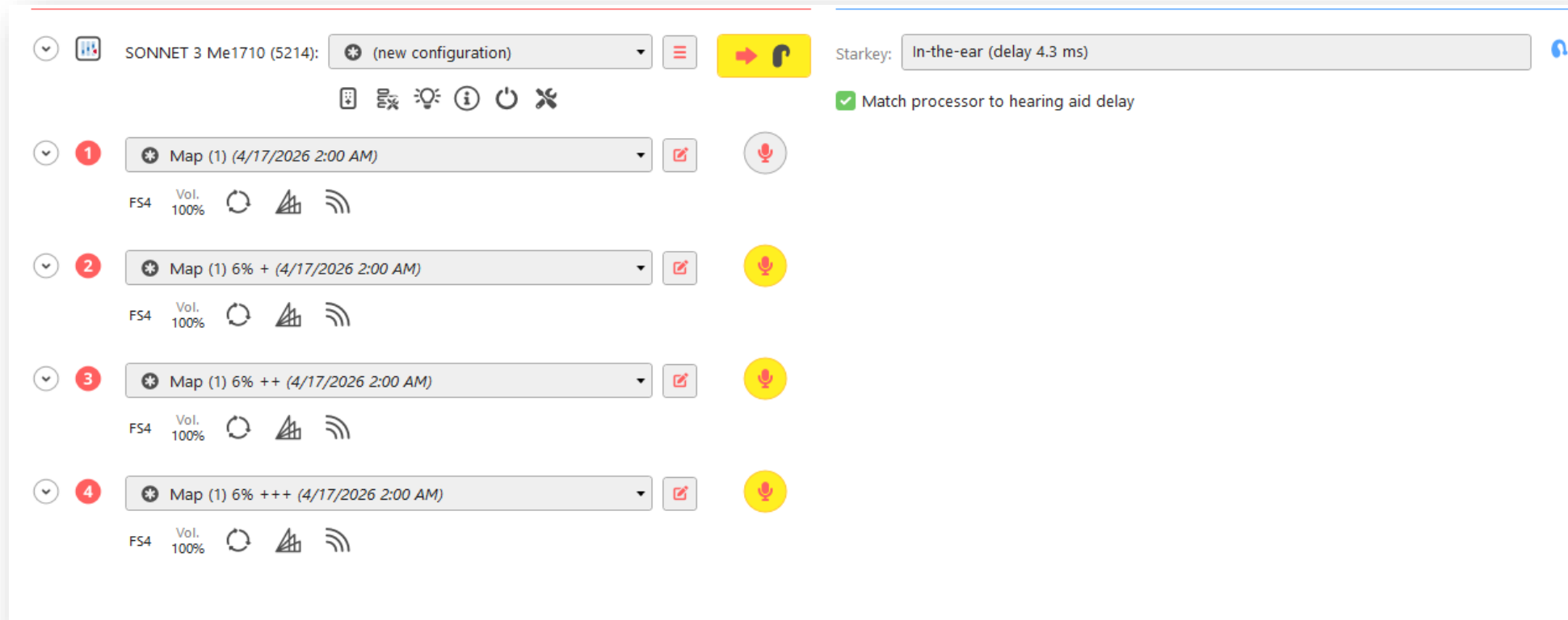
Select Progressive maps 6% →

Progressively louder maps will auto populate



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Step 7: Program the Processor



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Click on any of the icons under the configuration tab if needed

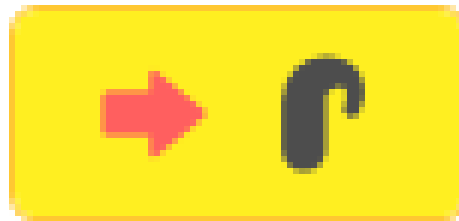
SONNET 3 Me1710 (5214):

⚙️ (new configuration)



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Program the processor



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