BIMODAL FITTING FLOW

For the Nucleus® 6 Sound Processor and compatible ReSound hearing aids*

PROGRAM COCHLEAR IMPLANT (CI)

Use the latest version of Cochlear™ fitting software to fit the cochlear implant. If required, fine-tune the MAP for acceptable loudness and sound quality. Write to the processor using the default program:

- P1 SCAN[1]
- P2 CUSTOM

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PROGRAM HEARING AID

Launch the latest version of ReSound fitting software together with the Noahlink Wireless programming interface** and set up the hearing aid with the following parameters:

- Experience: Non-linear
- NAL-NL2 prescription
- P1 All-Around (Soft Switching)
- P2 All-Around (Omni)

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FINE-TUNE HEARING AID

Verify using P2 and ensure loudness and sound quality are acceptable.
Modify gain, MPO and frequency response based on recipient feedback and preference.

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VERIFY BIMODAL LOUDNESS BALANCE

Are the cochlear implant and hearing aid balanced? (Ask the recipient to judge if loudness is centered in the middle of the head rather than to one side.)

YES	NO
↓	↓
Use Autorelate to copy gain settings across to other programs. Adjust the mixing ratio for wireless accessories to a slider level of 6.	Adjust gain of hearing aid to balance loudness based on recipient feedback and preference. In some cases, it may not be possible or preferred to achieve equal balance.

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PROGRAMMING COMPLETE

Cochlear® | ReSound GN

Smart Hearing Alliance

Bimodal Fitting Procedure

The workflow below is for bimodal fitting of a Nucleus® 6 Sound Processor and a compatible ReSound hearing aid. Follow the flow to match the devices in terms of program settings and signal processing parameters.

1. PROGRAM THE COCHLEAR IMPLANT using standard procedures with the latest version of Cochlear™ fitting software. Fine-tune if needed. Write to the sound processor using default program settings. This will create two programs: P1 SCAN and P2 CUSTOM.

2. PROGRAM AND FINE-TUNE THE HEARING AID using the latest version of ReSound fitting software and Noahlink Wireless programming interface.

Select the following:

- Experience with Hearing Instruments: Select Experience, Non-linear.
- Two programs (P1, P2) both set to the All-Around configuration.
- Select AutoFit.
- Target Rule: NAL-NL2.

Advanced Features:

- For P1, select Soft Switching. In this setting the directionality of the hearing aid is seamlessly adjusted depending on the listening situation, as is the case for SCAN in the sound processor.
- For P2, select Omni. This is similar to the CUSTOM program on the sound processor.
- All other Advanced Features are recommended to be maintained at the default settings.

Gain adjustment:

- Verify the hearing aid fitting using Real Ear Insertion Gain if available, otherwise fit to simulated gain targets. Use P2 for verification with the omni-directional microphone setting, to avoid attenuation if the recipient looks away from the speaker during the test.
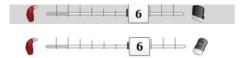- Adjust the hearing aid gain to meet the prescribed targets as closely as possible.

3. VERIFY THE BIMODAL LOUDNESS BALANCE

Turn on the cochlear implant sound processor (at user-preferred settings) and fine-tune the hearing aid settings for loudness comfort based on recipient feedback and preference.

In P2 All-Around: select Autorelate to apply gain and MPO changes from P2 to P1 and the Accessory programs.

4. WIRELESS PAIRING

If bimodal pairing to wireless accessories is desired, adjust the mixing ratio for the Cochlear Wireless TV Streamer and the Cochlear Wireless Phone Clip by moving the sliders to 6. This will apply 6 dB of attenuation to the hearing aid microphone relative to each of the accessories to match the 2:1 mixing ratio used as the sound processor mixing default.

You do not need to adjust the mixing ratio for the Cochlear Wireless Mini Microphone 2/2+.

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Cochlear and ReSound collaborate in the Smart Hearing Alliance to develop the world's preferred bimodal hearing solutions.

[1] SNR-NR, WNR and SCAN are approved for use with any recipient ages six years and older, who is able to 1) complete objective speech perception testing in quiet and in noise in order to determine and document performance 2) report a preference for different program settings.

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