

# Bimodal fitting flow

Cochlear™ sound processors and ReSound hearing aids

## Quick links

- [Which sound processors and hearing aids offer streaming?](#)
- [Fitting flow for bimodal streaming through a wireless accessory](#)

## Before you begin, please note:

- During bimodal programming either the ReSound Smart Fit™ or Custom Sound® Pro fitting software should be open, but not both at the same time. Close any other software using the Noahlink Wireless programming interface.
- To program devices for smart bimodal streaming you will need to install the latest versions of Resound Smart Fit and Custom Sound Pro fitting software. The software versions can be found at [www.cochlear.com/global/en/fitting-software](http://www.cochlear.com/global/en/fitting-software)

## Fitting flow for smart bimodal streaming

Before beginning, check the devices (hearing aid, sound processor and smartphone) are compatible with smart bimodal streaming [here](#).

### 1. Fit ReSound device and accessory mixing

While the devices can be fitted in any order, the hearing aid and sound processor must be assigned to the correct ear.

#### Program hearing aid

Use ReSound Smart Fit to program the hearing aid for audibility. We recommend the following parameters:

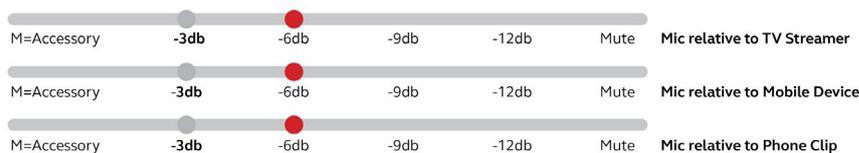
- Audiogram+, NAL-NL2 or preferred prescription
- Experience: Non-Linear
- P1 All Around (Soft Switching)

Modify gain, maximum power output and frequency response based on client feedback and preference.

In ReSound Smart Fit, use AutoRelate in the Tools menu to apply the programs for phone accessory and streaming accessory.

You do not need to adjust the mixing ratio for the Cochlear Mini Microphone 2/2+ or ReSound Micro / Multi Mic.

For the Cochlear TV Streamer, ReSound TV Streamer 2, Cochlear Phone Clip or ReSound Phone Clip+ you will need to adjust the mixing ratio to -6dB.





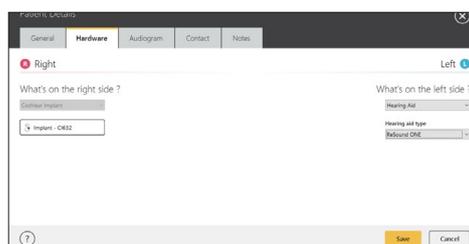
## 2. Link devices for smart bimodal streaming in Custom Sound Pro fitting software (compatible devices only)

### Program cochlear implant

Use Custom Sound Pro fitting software to program the sound processor. If required, fine-tune the MAP for acceptable loudness, sound quality and speech understanding. Place the preferred program in P1 and save to the processor.

**Note:** If the sound processor or hearing aid are already paired with other Bluetooth® devices (i.e. smartphone or wireless accessories), turn the Bluetooth devices off during the linking process.

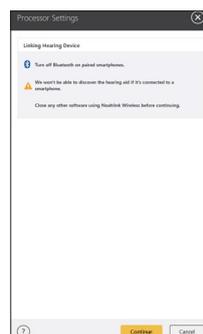
Select the *Hardware* tab in Patient Details to add the hearing aid. This results in the hearing aid being displayed in the Patient Dashboard.



- 1 Select *Finalise* then *Processor Settings*, then *Link*.



- 2 Press *Continue* and follow the steps to put the hearing aid into pairing mode. Ensure Bluetooth is turned off in Settings in the compatible smartphone.

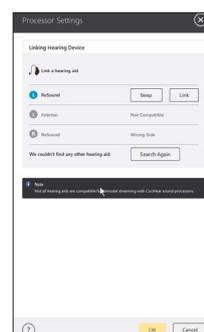


- 3 The hearing aid will be detected. Select *Beep* to confirm the correct device has been selected.





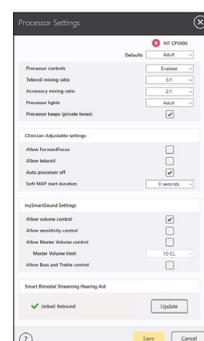
- 4 Select *Link*.



- 5 Select *OK* after the sound processor ID has been written to the hearing aid.



- 6 The linked hearing aid will now show in Processor Settings. Save to finalise linking.



- 7 On the Finalise screen, select *Save* to save to the sound processor.



### 3. Balance bimodal loudness in ReSound Smart Fit

While using their sound processor and hearing aid, ask the client to assess if sound is centred in the middle of their head, rather than to one side, using conversational speech.<sup>1</sup> If sound is not balanced, adjust the hearing aid gain in ReSound Smart Fit to achieve the client's preferred loudness balance.

If required, use AutoRelate in the Tools menu to apply other fine tuning programs.

**Programming complete**

1. Cochlear Limited. D1195503 Bimodal CI Whitepaper. 2017, Nov; Data on File.



# Fitting flow for bimodal streaming through a wireless accessory

## 1. Fit devices

While the devices can be fitted in any order, the hearing aid and sound processor must be assigned to the correct ear.

### Program hearing aid

Use ReSound Smart Fit to program the hearing aid for audibility. We recommend the following parameters:

- Audiogram+, NAL-NL2 or preferred prescription
- Experience: Non-Linear
- P1 All Around (Soft switching)

Modify gain, maximum power output and frequency response based on client feedback and preference.

In ReSound Smart Fit, use AutoRelate in the Tools menu to apply the programs for phone accessory and streaming accessory.

You do not need to adjust the mixing ratio for the Cochlear Mini Microphone 2/2+ or ReSound Micro / Multi Mic.

For the Cochlear TV Streamer, ReSound TV Streamer 2, Cochlear Phone Clip or ReSound Phone Clip+ you will need to adjust the mixing ratio to -6dB.



### Program cochlear implant

Use Custom Sound Pro fitting software to program the sound processor. If required, fine-tune the MAP for acceptable loudness, sound quality and speech understanding. Place the preferred program in P1 and save to the processor.

## 2. Balance bimodal loudness in ReSound Smart Fit

While using their sound processor and hearing aid, ask the client to assess if sound is centred in the middle of their head, rather than to one side, using conversational speech.<sup>1</sup> If sound is not balanced, adjust the hearing aid gain in ReSound Smart Fit to achieve the client's preferred loudness balance.

If required, use AutoRelate in the Tools menu to apply other fine tuning programs.

Programming complete



# Which sound processors and hearing aids offer streaming?

## Quick links

- [How to identify a ReSound hearing aid](#)
- [Fitting flow for smart bimodal streaming](#)
- For compatible iOS and Android™ devices go to [www.cochlear.com/global/en/compatibility-resound-hearing-aids](http://www.cochlear.com/global/en/compatibility-resound-hearing-aids) or [www.resound.com/compatibility](http://www.resound.com/compatibility)

Smart bimodal    Direct bimodal streaming to both compatible devices without an intermediary accessory

Bimodal            Bimodal streaming to both compatible devices through a wireless accessory

Sound processors and hearing aids		Direct streaming*				Wireless accessories							
		Compatible iOS devices		Compatible Android devices		ReSound Phone Clip+ or Cochlear Phone Clip		ReSound Micro / Multi Mic or Cochlear Mini Microphone 2/2+		ReSound TV Streamer 2 or Cochlear TV Streamer		TV-Streamer+	
		Single device	Smart Bimodal	Single device	Smart Bimodal	Single device	Bimodal	Single device	Bimodal	Single device	Bimodal	Single device	Bimodal
Cochlear	Kanso® 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Nucleus® 8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Kanso® 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Nucleus 7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Kanso					✓	✓	✓	✓	✓	✓		
	Osia® 2	✓				✓		✓	✓	✓	✓		
	Baha® 6 Max	✓		✓		✓		✓	✓	✓	✓		
Baha® 5	✓				✓		✓	✓	✓	✓			
ReSound	Nexia™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	OMNIA™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	ONE™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Key™**	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	LiNX Quattro™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	ENZO Q™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

**Note:** Not all products are available in all countries. ReSound custom hearing aids are not compatible with smart bimodal streaming.

\* For iOS and Android streaming, device firmware may need to be updated to the latest version. For the latest compatibility information and devices visit [cochlear.com/compatibility](http://cochlear.com/compatibility) and [resound.com/compatibility](http://resound.com/compatibility)

\*\* For ReSound Key 4 and 3. ReSound Key 2 is only bimodal compatible to the Wireless Accessories.



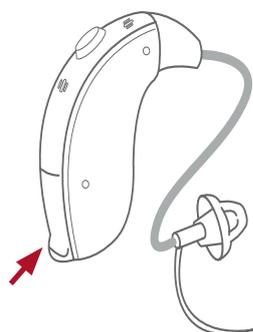
# How to identify a ReSound hearing aid

## Quick links

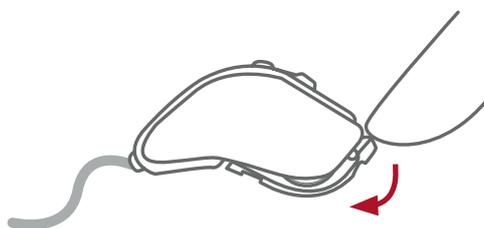
→ [Which sound processors and hearing aids offer streaming?](#)

To determine the model of a ReSound hearing aid you need the device code:

- For a rechargeable hearing aid, the code will be located on the side of the device.
- For a non-rechargeable hearing aid, the code will be located inside the battery compartment. Follow the instructions below to see the device code.



Battery door



Use your fingernail to pull the battery door open and then remove the battery



The device code can now be seen inside the hearing aid

The alphanumeric elements of the device code indicate the type of hearing aid. The first letters represent the hearing aid model.

# NX 960S - DRWC

NX	960S	- DRWC
Model code	Style & Technology	Features

*Example device code only.*

To identify the hearing aid model, find the model code in the table below.

Hearing aid model	Nexia	OMNIA	ONE	Key	LiNX Quattro	ENZO Q	LiNX 3D	ENZO 3D	LiNX <sup>2</sup>	LiNX	ENZO <sup>2</sup>	ENZO	Up Smart	Enya
Model code	NX	RU	RT	KE	RE	EQ	LT	ET	LS	LN	EN	EO	UPS	EY



**Cochlear and ReSound collaborate in the Smart Hearing Alliance to develop advanced and innovative hearing solutions for you.**



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**Hear now. And always**

**ReSound is part of the GN group. GN makes life sound better through intelligent audio solutions.**

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.

The Cochlear Nucleus 8, Nucleus 7 and Kanso 2 sound processors are compatible with iPhone, iPad and iPod touch. The Cochlear Nucleus Smart App is available on App Store and Google Play. For compatibility information visit [www.cochlear.com/compatibility](https://www.cochlear.com/compatibility).

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ReSound, ReSound Smart 3D, ReSound Nexia, ReSound OMNIA, ReSound ONE, ReSound Key, ReSound LiNX, ReSound Quattro and ReSound ENZO Q are trademarks of GN Hearing A/S.

Select ReSound hearing aids are compatible with iPhone, iPad and iPod touch. The ReSound Smart app and ReSound Smart 3D app are available on App Store and Google Play. For compatibility information visit [www.resound.com/compatibility](https://www.resound.com/compatibility).

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