

Single button control

The Cochlear[™] Nucleus 7 Sound Processor uses one control button:

Button press	Sound processor is OFF	Sound processor is ON	Audio is streaming
Short press	Turn processor ON.	Change program.	Stop streaming.
2 seconds press and hold, then release	Turn processor ON.	Start streaming audio: <ul style="list-style-type: none"> • telecoil (if enabled), or • first paired True Wireless[™] accessory. 	Change to next audio source: <ul style="list-style-type: none"> • next paired wireless accessory, or • telecoil (if enabled).
5 seconds press and hold	Turn processor ON.	Turn processor OFF.	Turn processor OFF.

Nucleus Smart App

Recipients can control and monitor their sound processor(s) using an iPhone[®] or iPod touch[®], or a compatible Android[™] smartphone.

- Change volume, program, sensitivity, bass and treble, and master volume limit.
- Stream audio from wireless accessories or telecoil.
- Control bilateral processors together or separately.
- Monitor processor status and receive alerts.

Supported devices

- Refer to the relevant Nucleus Smart App User Guide (for iPhone/iPod touch or Android) for a list of compatible devices.
- Recipients/carers must know how to use their iPhone, iPod touch or Android smartphone.



To get started...

1. Download the Nucleus Smart App from:
 - the App Store[®] to the iPhone or iPod touch
 - Google Play[®] to the Android smartphone.
2. Follow the instructions to pair your processor(s) to your device, and set up the app:
 - *Nucleus Smart App User Guide*: (for iPhone/iPod touch or Android)
 - *Nucleus 7 Sound Processor Pairing Guide*: (for iPhone/iPod touch/iPad or Android).

Bimodal use with compatible hearing aids

As the Nucleus 7 Sound Processor is a Made for iPhone device, it can be linked with compatible Made for iPhone hearing aids. This allows the recipient to use their iPhone, iPad[®] or iPod touch to:

- Control both devices.
- Stream audio to both devices simultaneously.

Compatible hearing aids will appear in the fitting software's Linking Hearing Devices screen, and be selectable.

See www.cochlear.com/nucleus/compatibility for further details.

Made for iPhone bimodal setup overview

1. **Program** the hearing aid (if not already done).
2. Create a **MAP** for the Nucleus 7 Sound Processor.
3. In **Processor Configuration**, select to *Link Made for iPhone hearing aid*.
4. Connect the **Airlink**.
5. **Discover** the hearing aid, from the list of available devices.
6. **Beep** the hearing aid, to confirm that it is the correct device.
7. **Link** the sound processor to the hearing aid.
8. Link the hearing aid to the sound processor (by **writing the MAP** to the processor).
9. Pair the hearing aid and the sound processor to the iOS device.

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Quick Guide for Clinicians

Cochlear Magnet

The coil magnet has a tamper-resistant lock:

1. Turn the magnet clockwise until it stops.
2. Turn the magnet a little more, until you feel it click.



The tamper-resistant lock marker aligns with the coil cable when locked.



NOTE
The Cochlear Magnet locks in position, and is not adjustable.

Using adaptors

Cochlear Monitor Earphone Adaptor

The Monitor Earphone Adaptor allows clinicians or carers to use headphones to check that a recipient is hearing sound, and that functions like telecoil or wireless accessories are working.

- CAUTIONS**
- Don't use the Cochlear Programming Cable or Cochlear Wireless Programming Pod CP1000 on a sound processor with the Monitor Earphone Adaptor.
 - Don't connect more than one Monitor Earphone Adaptor to a sound processor.
 - Only use Cochlear-approved earphones with the Monitor Earphone Adaptor. You CAN use earbuds. You CANNOT use noise-cancelling headphones.



Battery module orientation

The battery modules have markings that indicate the correct orientation for attaching them to the sound processor:

Rechargeable battery modules:

Align raised marker and arrow on battery module with back of processing unit.



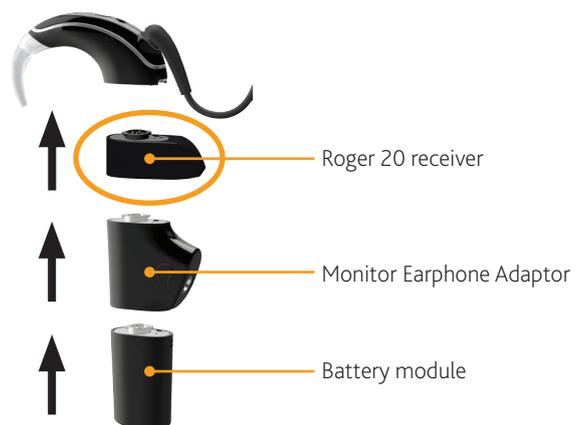
Disposable battery module:

Align indents and lock on battery module with back of processing unit.



Using Roger[™] 20 receiver with Monitor Earphone Adaptor

You can connect a Roger 20 receiver and a Monitor Earphone Adaptor to a sound processor at the same time – with the Roger 20 receiver above or below the Monitor Earphone Adaptor.



- CAUTIONS**
- Don't use the Programming Cable or Wireless Programming Pod on a sound processor with a Roger 20 receiver.
 - Don't connect more than one Roger 20 receiver to a sound processor.
 - Don't leave the battery module connected to a Roger 20 receiver, after you have finished using it. This will drain the battery much faster than usual.

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Retention options

Recipients can choose from a range of retention accessories. Clinicians should advise recipients and their carers on which accessories best suit their needs, and demonstrate how to fit and use them.

For more information:

- See the *Nucleus 7 Sound Processor User Guide* for a complete list of retention accessories
- See the guide that is packed with each retention accessory for fitting instructions.

NOTE
Hybrid mode cannot be used with retention accessories. They either position the sound processor off the ear, or use a custom earhook which means the acoustic component cannot be fitted.

Cochlear Earhook

The Earhook comes in three sizes (Small, Medium and Large).

Fitting tip

- Consider trying a smaller earhook, as many users have found the soft material allows them to use a more discreet option.



Cochlear Hugfit™

The Hugfit is a tamper-resistant alternative to the standard earhook that suits children. The soft loop comes in three sizes.

WARNING
To avoid using a Hugfit that is too tight, it is important that clinicians and parents monitor the size of Hugfit that is used, and change to a larger Hugfit as the child grows.



Cochlear Earmould Adaptor

The Earmould Adaptor is a retention option for recipients who prefer it to an earhook.

Fitting tip

- Be careful to push the earmould's tubing firmly onto the Earmould Adaptor.



Cochlear Koala Clip

The Koala Clip allows recipients to attach their sound processor to their clothing.

Fitting tips

- To reach their implant, recipients may need to use the Cochlear Slimline™ Coil with the 25 cm cable.



- **Push down** on the top of the sound processor when attaching the battery module, to ensure the metal tab on the Koala Clip fits inside the processor case.



- **Microphone position** is important for sound quality! Orient the sound processor so it faces the same way as when it is worn on the ear.
- Make sure the microphones aren't covered (e.g. by clothing).



NOTE
When using telecoil, start with the sound processor upright. Adjust its orientation a little if necessary to get the best performance.

Programming instructions

The Koala Clip should support your recipient's normal programs. However, if their hearing performance deteriorates, try these solutions:

- Create custom MAPs that don't use SCAN.
- Use fixed directionality only (Standard or Zoom).

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Quick Guide for Clinicians

Retention options (continued)

Cochlear Headworn Adaptor

The Headworn adaptor allows recipients to wear their sound processor off-the-ear.



(Headworn adaptor for a right-hand side implant is shown here)

Fitting tips

- Use a coil with the 6, 8 or 11 cm **cable**.
- Use the **compact rechargeable battery module** for less weight and a better fit.
- Recipients may need to use a **stronger magnet** to prevent the Headworn adaptor rotating on their head.
- If the recipient already uses a strong magnet (e.g. 5 or 6) they may not be able to use the Headworn adaptor.

WARNING Increasing magnet strength may cause tightness, pain or pressure sores at the implant site.

Bilateral labelling

For bilateral recipients, you can use the blue (left) and red (right) Nucleus Bilateral Identification Adhesive Labels to label the left and right Headworn adaptors:



Microphone position

Microphone position is important for sound quality!

- Orient the sound processor so it faces the same way as when it is worn on the ear.
- Use a magnet that is strong enough to prevent the Headworn adaptor from rotating on the recipient's head.



NOTE

When using telecoil, start with the sound processor upright. Adjust its orientation a little if necessary to get the best performance.

Coil position and noise

Due to the coil being close to the sound processor:

- The recipient may hear some noise (e.g. buzzing) during normal use.
- When using telecoil, the recipient may hear more noise than usual, compared with behind the ear use.

Wireless communications

When using the Headworn adaptor, the recipient may experience some obstruction of wireless communications (paired iOS devices, remote control, wireless accessories):

- Instruct the recipient to move their sound processor and/or the wireless device to ensure a clear line of sight for best performance.

Programming instructions

The Headworn adaptor should support your recipient's normal programs. However, if their hearing performance deteriorates, try these solutions:

- Create custom MAPs that don't use SCAN.
- Use fixed directionality only (Standard or Zoom).

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Wearing options

Cochlear SoftWear™ pad

If the recipient feels pressure or discomfort from the coil, you can attach a SoftWear pad to the head side of the coil:



NOTES

- Do not use the SoftWear pad with a Cochlear Nucleus 7 Aqua+ Coil.
- Do not use the SoftWear pad with a Cochlear Coil Spacer.

Programming tip

- The SoftWear pad will increase the distance between the coil and implant—check the recipient's program after you have attached the SoftWear pad.

Programming tips

Wired programming

To use wired programming with the Nucleus 7 Sound Processor, use the Cochlear Programming Cable with the Freedom™ Programming Pod.

For more information, see the *Freedom Programming Pod User Guide*.



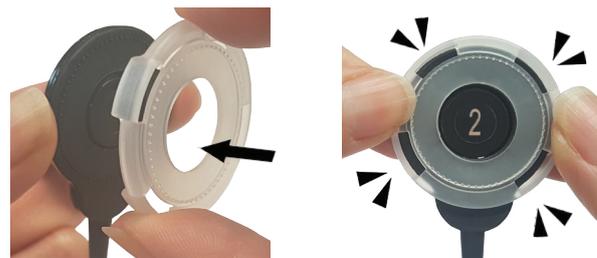
NOTE

Wired programming can only be carried out in clinical environments.



Cochlear Coil Spacer

If the communications between the coil and implant is affected by a thin skin flap, you can increase the distance by attaching a Coil Spacer to the head side of the coil:



Programming tip

- The Coil Spacer will increase the distance between the coil and implant—check the recipient's program after you have attached the Coil Spacer.

Programming with Nucleus 7 Aqua+

The Aqua+ should support your recipient's normal programs. However, if their hearing performance deteriorates, try these solutions:

- Create custom MAPs that don't use SCAN
- Use fixed directionality only (Standard or Zoom, with WNR off).

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Quick Guide for Clinicians

Programming tips (continued)

Enabling ForwardFocus

ForwardFocus is a clinician enabled and user-controlled feature designed to help recipients hear better in face-to-face conversations by reducing distracting noise occurring behind the recipient.

 **IMPORTANT**
ForwardFocus should only be enabled for users 12 years and older who are able to reliably provide feedback on sound quality and understand how to use the feature when moving to different or changing environments. It may be possible to have decreased speech understanding when using ForwardFocus in a quiet environment.

Before enabling ForwardFocus, you should ensure that recipients can correctly identify quiet and noisy environments. Because the algorithm for ForwardFocus assumes the sound signal of interest is in front of the recipient, and the competing noise is to the sides and/or behind the recipient, you should counsel recipients to orient themselves so that distracting sounds are behind them, and the sound they want to hear is in front of them.

Advise caregivers of children on the importance of feedback from the recipient to ensure the most appropriate program is being used.

If you enable ForwardFocus for a recipient, they turn it on and off using the Nucleus Smart App. ForwardFocus will be turned off when the sound processor is turned off.

Advise the recipient to turn ForwardFocus off when they move to a different listening situation, for example, when moving from a noisy café to a quiet room, or if they notice difficulty in understanding speech in a quiet environment.

Clinicians should provide recipients with several listening scenarios such as a noisy play ground, a noisy classroom, or listening in a café, to ensure that the recipient understands how to orient themselves in front of the noise to ensure maximum benefit of the ForwardFocus feature.

Enabling bass and treble

If you believe your recipient may benefit from bass and treble control, you can enable it.

 **WARNING**
Only enable bass and treble control for users who can reliably provide feedback on sound quality. Give special consideration to young children, older adults or difficult to test recipients.

Enabling master volume limit

If you believe your recipient may benefit from master volume control, you can enable it.

 **WARNING**
Only enable master volume limit control for users who can reliably provide feedback on sound quality. Give special consideration to young children, older adults or difficult to test recipients.