



Cochlear®

Hear now. And always



Cochlear™ Nucleus® 8 Sound Processor

**Smaller. Smarter.
Better connected.**

**A comparison with previous
generation devices**



How does the Cochlear™ Nucleus® 8 Sound Processor compare?



Key features	Nucleus® Freedom® Sound Processor	Nucleus 5 Sound Processor	Nucleus 6 Sound Processor	Nucleus Kanso® Sound Processor	Nucleus 7 Sound Processor	Nucleus Kanso 2 Sound Processor	Nucleus 8 Sound Processor	Why it matters
Processor type	Behind-the-ear (BTE)	Behind-the-ear (BTE)	Behind-the-ear (BTE)	Off-the-ear (OTE)	Behind-the-ear (BTE)	Off-the-ear (OTE)	Behind-the-ear (BTE)	A behind-the-ear sound processor is worn on the ear and a small coil is positioned over the implant with a magnet. The Nucleus 8 Sound Processor is Cochlear's most advanced and the world's smallest and lightest behind-the-ear sound processor. ^{1,2-5} An off-the-ear sound processor provides a more discreet hearing solution whilst delivering an equivalent hearing experience as a behind-the-ear sound processor. ^{1,2}
Size and weight comparison	Nucleus 8 is 45% smaller and 36% lighter than Freedom with standard rechargeable battery ¹	Nucleus 8 is 29% smaller and 37% lighter than Nucleus 5 with compact rechargeable battery ¹	Nucleus 8 is 32% smaller and 34% lighter than Nucleus 6 with compact rechargeable battery ¹	Lightest OTE option ¹	Nucleus 8 is 15% smaller and 13% lighter than Nucleus 7 with a compact rechargeable battery ¹	Smallest and lightest rechargeable OTE sound processor. Kanso 2 is 2.4% smaller than Kanso ¹	Smallest and lightest BTE sound processor ¹	The world's smallest behind-the-ear sound processor just got even smaller. At 15% smaller* than its predecessor and 32% smaller than the Nucleus 6 Sound Processor ¹ , the Nucleus 8 Sound Processor is designed to take comfort to the next level. ¹
Sound processing technology		• SmartSound®	• SmartSound iQ with SCAN	• SmartSound iQ with SCAN	• SmartSound iQ with SCAN	• SmartSound iQ with SCAN	• SmartSound iQ 2 with SCAN 2	The Nucleus® 8 Sound Processor features smarter hearing technology ² designed to make communicating with people, particularly in noise, easier. As you move through the day, your new sound processor senses changes in your listening environment and automatically adjusts using enhanced SmartSound® iQ 2 with SCAN 2 to deliver clearer sound. ²⁻⁵
ForwardFocus					• User controlled via Nucleus Smart App	• User controlled via Nucleus Smart App	• Improved noise reduction • User controlled via Nucleus Smart App or option to automate	The Nucleus 8 Sound Processor features an improved ForwardFocus that more powerfully reduces distracting background noise when you want to focus on the face-to-face conversation. ⁵⁻⁷ Now with the choice to operate ForwardFocus manually via the Nucleus Smart App or have it automated, you can focus on what's important. ¹
Dual microphone directionality		•	•	•	•	•	•	Dual microphones matter when you want to experience clearer sound. The Nucleus 8 Sound Processor has dual-microphone technology with fixed and adaptive directionality which filters out background noise to enhance your understanding of speech, particularly in noise. ⁷
Control functionality	Two buttons	Two buttons	Two buttons	One button	One button	Button-free with Auto-On feature	One button	Single button control is designed for easier use and to reduce inadvertent program changes. With the Nucleus 8 Sound Processor's simple one-button design you can change programs or control streaming from your True Wireless™ Devices with ease.
Battery type	Body worn, disposable or rechargeable	Standard rechargeable or disposable	Standard or compact rechargeable, or disposable	Disposable	Standard or compact rechargeable, or disposable	Built-in rechargeable battery	Power Extend or Compact rechargeable, or disposable	With the choice of either disposable or one of two rechargeable battery options, you can choose the best way to power your Nucleus 8 Sound Processor.
Rechargeable battery charger	•	•	•	N/A	• Y charger for home, USB portable charger	• All-in-one Home Charger, optional Portable Charger	• Y charger for home, USB portable charger	Whether you're at home, at work or away, your Nucleus 8 Sound Processor can be easily and conveniently recharged. The Y charger can recharge two batteries at the same time while the USB charger is an optional accessory for recharging one battery when you're on the go.
Direct streaming capability			• Via Cochlear Wireless Phone Clip	• Via Cochlear Wireless Phone Clip	• Compatible* Apple and Android™ devices, Cochlear Wireless Phone Clip (Optional)	• Compatible* Apple and Android devices, Cochlear Wireless Phone Clip (Optional)	• Ready for Bluetooth® LE Audio locations and devices™, compatible* Apple and Android devices, Cochlear Wireless Phone Clip (Optional)	Experience the proven benefits of streaming audio directly to your sound processor. ⁸⁻¹¹ Ready for next-generation Bluetooth® LE Audio technology, the Nucleus 8 Sound Processor will make it easier to bring sound to you – in more places and from more devices than ever before. ^{8,12,13,**} You'll be able to connect directly to what's being broadcast at public venues such as airports, conference centres and theatres supporting Bluetooth® Auracast™. And whether you're listening to music, taking a phone call, or watching your favourite film, Bluetooth® LE Audio delivers better sound quality than its previous generation ⁸ to help you get the best possible audio experience. ^{12,13}
Nucleus Smart App					• Including Remote Check	• Including Remote Check	• Including Remote Check	With the Nucleus Smart App, you can adjust your hearing settings, track hearing information and set daily goals for listening to speech. Where available, you can even save yourself a trip to the clinic by using our Remote Care solutions to do a hearing check or video appointment with your clinician from home. For added peace of mind, the Find My Processor feature can help locate a misplaced processor.
Remote Control		Remote Assistant (CR110)	Remote Control (CR210), Remote Assistant (CR230)	Remote Control (CR210), Remote Assistant (CR230)	Nucleus Smart App, Remote Control (CR310)	Nucleus Smart App, Remote Control (CR310)	Nucleus Smart App, Remote Control (CR310)	If you don't have a compatible smartphone, the remote control has a handy display screen for changing simple settings, allowing you to discreetly manage your hearing.
FM connectivity	Via FM cable	Via FM cable and Roger FM receiver	Via Euro Accessory Adapter and Roger X FM receiver or Cochlear Wireless Mini Microphone 2+ and Roger X FM receiver	Via the Cochlear Wireless Mini Microphone 2+ and Roger X FM receiver	Via the Cochlear Wireless Mini Microphone 2+ and Roger X FM receiver	Via the Cochlear Wireless Mini Microphone 2+ and Roger X FM receiver or Roger 20 FM receiver	Via the Cochlear Wireless Mini Microphone 2+ and Roger X FM receiver or Roger 20 FM receiver	FM systems are among the most common hearing assistive technologies used with children, especially in school environments. They are designed to provide improved hearing in noisy situations or over a distance.
Compatible with True Wireless Devices			•	•	•	•	•	The Nucleus 8 Sound Processor's compatibility with the latest range of True Wireless Devices offers you more control over your hearing experience. Enjoy convenient and independent volume control when watching TV with friends or family, clearly hear presentations or actively engage in group conversations. ⁹
Bimodal streaming			True Wireless Devices	True Wireless Devices	Compatible* Apple and Android devices, True Wireless Devices	Compatible* Apple and Android devices, True Wireless Devices	Compatible* Apple and Android devices, True Wireless Devices	Designed to deliver a rich hearing experience, a bimodal solution can help you better locate where sound is coming from, enhance your music appreciation, and enjoy an improved quality of life than with hearing aids alone. ¹⁴⁻¹⁶ Our smart bimodal hearing solution allows you to stream music, calls and entertainment from your compatible* Apple or Android device directly to your sound processor and hearing aid, without the need for an accessory.
Water-safe accessories		•	•	•	•	•	•	With a Nucleus 8 Sound Processor that has the highest available water-resistance rating for sound processors, you no longer need to worry about getting caught in the rain. Add Aqua+ for extra protection, so you can immerse yourself in your favourite water activities. ¹⁷
Retention accessories	Snugfit and Mic Lock	Snugfit and Mic Lock	Snugfit and Mic Lock	Safety Line, Hair clip, Headband	Snugfit, Hugfit™, Koala Clip, Safety Line, Headband	Safety Line, Hair clip, Headband, Kanso Halo	Snugfit, Hugfit, Koala Clip, Safety Cord/Line, Headband	Cochlear Nucleus sound processors offer a wide range of retention options to suit your individual needs and lifestyle.
Compatible with monitor earphones	•	•	• (CP910 only)		•	Sound Check in the Nucleus Smart App	•	Check the sound quality of the microphone or accessory input to your child's or another's sound processor.
Colour range	Black, Grey, Brown, Beige	Black, Grey, Brown, Beige	Black, Grey, Brown, Beige	Black, Slate Grey, Chocolate Brown, Copper Brown, Golden Blonde, Sandy Blonde, White, Silver	Black, Grey, Brown, Sand, White	Black, Slate Grey, Chocolate Brown, Sandy Blonde, Silver	Black, Grey, Brown, Sand, White, Silver	The Nucleus 8 Sound Processor comes with an expanded colour selection and, for bimodal recipients, the option to coordinate your ReSound hearing aid with your new sound processor for a smarter pair.
Nucleus Implant compatibility	All Nucleus Implants	All Nucleus Implants except for Nucleus 22	All Nucleus Implants	All Nucleus Implants except for Nucleus 22	All Nucleus Implants	All Nucleus Implants except for Nucleus 22	All Nucleus Implants except for Nucleus 22	Our research and development is focused on offering the best hearing possible today, while also anticipating how technology and recipient needs will change over time. Cochlear is committed to ongoing innovation and developing new ranges of exciting products to help you achieve your best possible hearing outcomes at every stage of life.

Hear now. And always

Cochlear is dedicated to helping people with moderate to profound hearing loss experience a world full of hearing. As the global leader in implantable hearing solutions, we have provided more than 650,000 devices and helped people of all ages to hear and connect with life's opportunities.

We aim to give people the best lifelong hearing experience and access to next generation technologies. We collaborate with leading clinical, research and support networks to advance hearing science and improve care.

That's why more people choose Cochlear than any other hearing implant company.

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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 follow the directions for use. Not all products are available in all countries. Please contact your local Cochlear representative for product information.

Comparison made using the Compact Battery Module for Nucleus 8 Sound Processor and the Compact Rechargeable Battery for Nucleus 7 Sound Processor

^ Comparison made using a Compact Battery Module with the Nucleus 8 Sound Processor and the Nucleus 6 (CP910) Sound Processor

> Compared to previous generation Nucleus 7 and Nucleus 6 Sound Processors

+ Compared to Nucleus 7 Sound Processor with ForwardFocus on

† ForwardFocus is a clinician-enabled feature that can be user controlled or automated.

§ The previous generation was Bluetooth® Classic.

~ The Cochlear Nucleus 8 Sound Processor is dust and water resistant to level IP68 of the International Standard IEC60529. The Nucleus 8 Sound Processor was tested to a depth of up to 1 metre for up to 1 hour. The Nucleus 8 Sound Processor with Aqua+ is dust and water resistant to level of IP68 of the International Standard IEC60529. The Nucleus 8 Sound Processor with Aqua+ can be continuously submerged under water to a depth of up to 3 metres for up to 2 hours. Refer to the relevant user guide for more information.

* The Cochlear Nucleus 8 Sound Processor is compatible with Apple and Android devices. The Cochlear Nucleus Smart App is available on App Store and Google Play. For compatibility information visit www.cochlear.com/compatibility and www.resound.com/compatibility

** When this technology becomes available, a firmware update to your sound processor will allow you to connect to Bluetooth LE Audio compatible devices.

ACE, Advance Off-Stylet, AOS, Ardium, AutoNRT, Autosensitivity, Baha, Baha SoftWear, BCDrive, Beam, Bring Back the Beat, Button, Carina, Cochlear, 科利耳, コクレア, 코클리어, Cochlear SoftWear, Contour, コントウア, Contour Advance, Custom Sound, DermaLock, Freedom, Hear now. And always, Hugfit, Human Design, Hybrid, Invisible Hearing, Kanso, LowPro, MET, MP3000, myCochlear, mySmartSound, NRT, Nucleus, Osia, Outcome Focused Fitting, Off-Stylet, Piezo Power, Profile, Slimline, SmartSound, Softip, SoundArc, True Wireless, the elliptical logo, Vistafix, Whisper, WindShield and Xidium are either trademarks or registered trademarks of the Cochlear group of companies.

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