



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?

	 Nucleus 6 Sound Processor <small>(Retired March 31, 2023)</small>	 Nucleus Kanso® Sound Processor	 Nucleus 7 Sound Processor	 Nucleus Kanso® 2 Sound Processor	 Nucleus 8 Sound Processor	Why it matters
Key features						
Processor type	Behind-the-ear (BTE)	Off-the-ear (OTE)	Behind-the-ear (BTE)	Off-the-ear (OTE)	Behind-the-ear (BTE)	The Nucleus 8 Sound Processor is Cochlear's most advanced and the world's smallest and lightest behind-the-ear sound processor. ¹
Size and weight comparison	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 ²	At 15% smaller [#] than the Nucleus 7 Sound Processor and 32% smaller than Nucleus 6 ¹ , the Nucleus 8 Sound Processor is designed to take comfort to the next level. ¹
Automated sound processing technology	• 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 ^{^^} 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. ^{3-6, >>>}
ForwardFocus			•	•	• Improved noise reduction (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. ^{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. ⁸
Control functionality	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. ⁹
Battery type	Standard and compact rechargeable or disposable	Disposable	Standard and compact rechargeable or disposable	Built-in rechargeable battery	Power Extend and 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	• Two options: Y charger for home and USB portable charger	• All-in-one Home Charger and optional Portable Charger	• Two options: Y charger for home and 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® or Android™ devices Cochlear Wireless Phone Clip*	• Compatible* Apple or Android devices Cochlear Wireless Phone Clip	• Bluetooth® LE Audio locations and devices, including compatible* Apple or Android devices Cochlear Wireless Phone Clip	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. ^{8-10,11} Experience the proven benefits of streaming audio directly to your sound processor. ^{9,11-13} You'll be able to connect directly to what's being broadcast at public venues such as airports, conference centers and theaters with Bluetooth® Auracast™. And whether you're listening to music, taking a phone call, or watching your favorite film, Bluetooth LE Audio delivers better sound quality than previous generation Bluetooth® Classic to help you get the best possible audio experience. ^{8,10}
Nucleus Smart App			•	•	•	With the Nucleus Smart App, ⁹ you can adjust your hearing settings, track hearing information and set daily goals for listening to speech. Where available, you may even save yourself a trip to the clinic by using our Remote Care solutions ¹⁷ to do a hearing check or video appointment with your clinician from home. For added peace of mind, the Find My Processor feature ⁹ can help locate a misplaced processor.
FM connectivity	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+, Roger X FM receiver and Roger 20 FM receiver	Via the Cochlear Wireless Mini Microphone 2+ Roger X FM receiver and Roger 20 FM receiver	Via the Cochlear Wireless Mini Microphone 2+ and 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			Compatible* Apple and Android Devices	Compatible* Apple and Android Devices, True Wireless devices	Compatible ReSound® hearing aids*, Bluetooth LE Audio, Apple or 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 Stream sound simultaneously to both your Nucleus 8 Sound Processor and compatible ReSound hearing aid with a smart bimodal hearing solution* that's ready for next-generation Bluetooth® LE Audio technology. ⁸⁻¹⁰
Remote Control	Remote Control (CR210) and Remote Assistant (CR230)	Remote Control (CR210) and Remote Assistant (CR230)	Nucleus Smart App and Remote Control (CR310)	Nucleus Smart App and Remote Control (CR310)	Nucleus Smart App and 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.
Water-safe accessories	•	•	•	•	•	When fitted with Aqua+, your Nucleus 8 Sound Processor becomes water resistant so you can immerse yourself in your favorite water activities. ⁻
Retention accessories	Snugfit, Mic Lock, LiteWear	Safety Cord/Line, Hair clip, Headband	Snugfit, Hugfit™, Koala Clip, Safety Cord/Line, Headband	Safety Cord/Line, Hair clip, Headband, 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.
Color range	5 options	8 options	5 options	5 options	6 options 	The Nucleus 8 Sound Processor comes with an expanded color selection and, for bimodal recipients, the option to coordinate your ReSound hearing aid with your new sound processor.
Nucleus implant compatibility	•	• Except for Nucleus 22 Implants	•	• Except for Nucleus 22 Implants	• Except for Nucleus 22 Implants	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 read the instructions 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 Power Extend Battery Module with Nucleus 8 Sound Processor and an equivalent Standard Rechargeable Battery Module with Nucleus 6 (CP910) Sound Processor.

^^ Compared to previous generation Nucleus 7 and Nucleus 6 Sound Processors.

> It is recommended that SNR-NR, WNR and SCAN be made available to any recipient, ages 6 and older, who is able to 1) complete objective speech perception testing in quiet and noise in order to demonstrate and document performance and 2) report a preference for different program settings.

>> SNR-NR, WNR and SCAN are FDA approved for use with any recipient ages 6 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; and 2) report a preference for different program settings.

+ Compared to Nucleus 7 Sound Processor with ForwardFocus on.

† ForwardFocus is a clinician-enabled feature that can be user-controlled or automated. ForwardFocus can only be enabled by a hearing implant specialist. It should only be activated 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.

~ 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.

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