



Cochlear[®]
Hear now. And always

Smart has never been
so simple

The Cochlear[™] Sound Processor Portfolio



Choose the way you hear

How you choose to connect with your world is a very personal thing.

That's why we offer a choice of hearing solutions, wearing options, and accessories.

So, whether you prefer a sound processor that sits off the ear, or one that sits behind the ear, you'll find a Cochlear option to suit your lifestyle.

Nucleus® 7 Sound Processors™



Nucleus® Kanso® 2 Sound Processors™

Not actual size





Find your comfort zone

No matter which Cochlear sound processor you choose, you'll benefit from technology and accessories that can help you hear your best, connect to the people you love, and live an active lifestyle.

Nucleus® 7 Sound Processor

The Nucleus 7 was the first cochlear implant sound processor to offer direct streaming, control and connectivity with compatible Apple and Android™ devices*. The smallest and lightest behind-the-ear hearing solution,¹ it combines comfort with proven hearing performance technology to help you hear your best.²⁻⁴



Nucleus® Kanso® 2 Sound Processor

Building on the award-winning all-in-one design of the Kanso Sound Processor,⁵ the Kanso 2 introduces **direct streaming*** and use of the **Nucleus Smart App**** from compatible smartphones, a built-in **rechargeable battery** and improved **dust and water resistance*** for added peace of mind.



Not actual size





Focus on what's important

The Nucleus 7 and Kanso 2 Sound Processors feature our latest and most advanced technology designed to help you experience clearer sound, even in challenging and noisy environments.^{3,4,6}

Whether you're in a noisy café, windy playground or a quiet office, let your sound processor do the work by automatically adapting to your environment. **SmartSound® iQ with SCAN** analyses your surroundings and adjusts to help optimise your hearing.^{3,4,6}



Speech: helps you hear speech more clearly



Speech in noise: to help with conversation in noisy surroundings



Noise: helps you hear in noisy situations



Wind: helps you hear in windy conditions



Quiet: helps you hear soft sounds in quiet environments



Music: helps you enjoy the music you love

In addition to the automatic SCAN features, you can also activate **ForwardFocus[^]** in the Nucleus Smart App*. Designed to enhance face-to-face conversations in particularly challenging environments, it reduces distracting noise from behind you, so you can better hear the person in front of you.^{7,8}

The Nucleus 7 and Kanso 2 Sound Processors also feature **two microphones**, to filter out background noise and provide better hearing performance in noise than a single microphone.⁶

Connect with what you love

The Nucleus 7 and Kanso 2 Sound Processors can help connect you to the people you love, and the world you live in. You can directly stream calls, music and entertainment from your compatible Apple or Android™ device*.

The **Nucleus Smart App**** lets you control your device's settings, functions and information directly from a compatible Apple or Android™ device. You can also personalise your hearing goals with the **Hearing Tracker**, and the app can even help you to locate a misplaced sound processor.

Add **Cochlear True Wireless™** Devices, and you can enjoy independent volume control when watching television with friends or family, connect to Bluetooth® devices, and can help you more actively engage in meetings and classroom discussions.

Optional **True Wireless™** Devices improve hearing performance¹⁰⁻¹² by bringing the signal you are listening to directly to your sound processor - even if you are far away or it is very noisy.

Cochlear sound processors are designed to help both your ears work together, whether you're wearing two cochlear implant sound processors, or a sound processor and a compatible hearing aid.† With our **smart bimodal** solutions you can also stream directly to both your Nucleus 7 or Kanso 2 Sound Processor and a **compatible ReSound hearing aid**.†

Take control with the Nucleus Smart App



Control and monitor your sound processor



Track hearing progress



Locate a misplaced sound processor







Wherever life takes you

The Nucleus 7 and Kanso 2 Sound Processors have been engineered to keep up with you, whether you're at work or school, enjoying the outdoors or travelling the world.

With a dust and water-resistant construction, you don't need to worry about being caught in the rain (certified IP57 rating for Nucleus 7 and IP68 for Kanso 2)*.

Whether you're on the field, in the playground or at the gym, we offer a range of optional retention accessories to ensure that you, or your child's hearing solution are ready for your next adventure.

For added peace of mind, add **Cochlear Aqua+** and your Nucleus 7 or Kanso 2 Sound Processor becomes waterproof (IP68)*, so you can dive right in and enjoy the sound of the splash!

With **Cochlear Aqua+**, your Nucleus 7 or Kanso 2 Sound Processor can be submerged to 3 metres for up to 2 hours, so you can swim, snorkel or surf with confidence in salt, fresh and chlorinated water.



Nucleus 7 Sound Processor with Aqua+

Kanso 2 Sound Processor with Aqua+



Not actual size

Choose smart simplicity

At Cochlear, we think intelligent technology should be simple, not complex.

That's why our sound processors are designed to be **easy to use**⁹, and to integrate with your life. So whichever sound processor suits you best, you can enjoy functionality so seamless, you'll hardly have to think about it.

With the Nucleus 7 Sound Processor, just attach your battery and go, while with the Kanso 2 Sound Processor, simply place your device on your head to turn it on and remove it to turn it off.[‡]

The Nucleus 7 Sound Processor has a simple **one-button design** and offers both home charging and a USB charger for on-the-go charging convenience.

The Kanso 2 Sound Processor has a convenient all-in-one **Home Charger** to charge and dry your sound processor at the same time, so there's no need for a separate accessory.

The Kanso 2 Sound Processor also offers **unique button-free control**, so you can turn it on and off by tapping it with your finger.

*The auto-off feature for the Kanso 2 Sound Processor must be configured by a clinician.





**Kanso® 2
Sound Processor™**



**Nucleus® 7
Sound Processor™**



Sound Processor Type		
Behind-the-ear (BTE)		●
Off-the-ear (OTE)	●	
Technology		
Hybrid™ Hearing		●
SmartSound® iQ with SCAN	●	●
ForwardFocus^	●	●
mySmartSound™	●	●
Dual microphones	●	●
Nucleus® Smart App**	●	●
Direct streaming with compatible Apple or Android device*	●	●
Telephone use – standard headset	Microphone	Microphone
Telephone use – smartphone streaming	Direct streaming through compatible* Apple or Android devices Other smartphone devices streaming with Cochlear Wireless Phone Clip®	Direct streaming through compatible* Apple or Android devices Other smartphone devices streaming with Cochlear Wireless Phone Clip®
Telecoil	Via the Cochlear Wireless Mini Microphone 2+	Optimised for loops
Cochlear Wireless Phone Clip***	●	●
Cochlear Wireless TV Streamer	●	●
Cochlear Mini Microphone 2/2+	●	●
Remote Control	CR310	CR310
Bimodal streaming†	Via compatible Apple or Android devices* and True Wireless devices	Via compatible Apple or Android devices* and True Wireless devices
FM connectivity	Via Mini Microphone 2+ with Europin FM receiver	Via Mini Microphone 2+ with Europin FM receiver and/or Roger 20
Auto-On	●	●



Hear now. And always

As the global leader in implantable hearing solutions, Cochlear is dedicated to helping people with moderate to profound hearing loss experience a life full of hearing. We have provided more than 600,000 implantable devices, helping 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 innovative future technologies. We have the industry's best clinical, research and support networks.

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

References

1. Cochlear Ltd. D1190805 Sound Processor Size Comparison. 2020; March.
2. Warren CD et al. Controlled comparative clinical trial of hearing benefit outcomes for users of the Cochlear[™] Nucleus[®] 7 Sound Processor with mobile connectivity. Cochlear Implants International (2019 May); 20(3):116–126.
3. Mauger SJ, et al. Clinical evaluation of the Nucleus 6 cochlear implant system: performance improvements with SmartSound iQ. Int J Audiol. 2014, Aug; 53(8): 564-576.
4. Wolfe J, et al. Benefits of Adaptive Signal Processing in a Commercially Available Cochlear Implant Sound Processor. Otol Neurotol. 2015 Aug;36(7):1181-90.
5. Good Design. 2017. Kanso[®] Cochlear Implant Sound Processor - Good Design. [online] Available at: <https://good-design.org/projects/kanso-cochlear-implant-sound-processor/> [Accessed 20 April 2020].
6. Mauger SJ, et al. Clinical outcomes with the Kanso off-the-ear cochlear implant sound processor. Int J Audiol. 2017, Apr; 56(4): 267-276. [Sponsored by Cochlear].
7. Cochlear Ltd. D1660797. CP1150 Sound Processor Interim Clinical Investigation Report. 2020; January.
8. Cochlear Limited. D1376556. CLTD 5709 Clinical Evaluation of Nucleus 7 Cochlear Implant System. 2018, January.
9. Cochlear Ltd. D1416583 CP1150 Formative Usability Report.
10. Wolfe J, et al. Improving hearing performance for cochlear implant recipients with use of a digital, wireless, remote-microphone, audio-streaming accessory. J Am Acad Audiol. 2015 Jun;26(6):532-9.
11. Razza S, et al. Evaluation of speech reception threshold in noise in young Cochlear Nucleus[®] system 6 implant recipients using two different digital remote microphone technologies and a speech enhancement sound processing algorithm. Int Journal Pediat Otorhinolaryngology, 2017; Oct;103: 71-75.
12. Jones M, Hearing in Noise Benefit Using the Cochlear Mini Microphone 2+ with Nucleus Sound Processors, CI2017 Pediatric 15th Symposium on Cochlear Implants in Children, San Francisco, CA. 2017; July.

~ Nucleus 7 Sound Processor refers to the Nucleus 7 Processing Unit (CP1000) and accessories.

~ Nucleus Kanso 2 Sound Processor refers to the Kanso 2 Sound Processor (CP1150).

+ Compared with its predecessor model. The Kanso 2 Sound Processor is dust and water resistant to level IP68 of the International Standard IEC60529.

^ ForwardFocus is a clinician-enabled, user-controlled feature.

* The Nucleus 7 and Kanso 2 Sound Processors are compatible with Apple and Android devices. For compatibility information visit www.cochlear.com/compatibility

** The Cochlear Nucleus Smart App is available on App Store and Google Play. For compatibility information visit www.cochlear.com/compatibility

† For ReSound hearing aids capable of linking directly with the Cochlear Sound Processors for direct streaming from a compatible smartphone please visit: www.cochlear.com/nucleus/compatibility

The Nucleus 7 Sound Processor is water resistant to level of IP57 of the International Standard IEC60529. The Nucleus 7 Sound Processor with Aqua+ and Aqua+ Coil is water resistant to level IP68 of the International Standard IEC60529 when you use a Cochlear Standard Rechargeable Battery Module or Cochlear Compact Rechargeable Battery Module. The Kanso 2 Sound Processor is dust and water resistant to level of IP68 of the International Standard IEC60529 and can be continuously submerged under water to a depth of up to 1 metre for up to 1 hour. The Kanso 2 Sound Processor with Aqua+ is dust and water resistant to level of IP68 of the International Standard IEC60529 and can be continuously submerged under water to a depth of up to 3 metres for up to 2 hours. Refer to the relevant User Guides for more information.

‡ The auto-off feature must be configured by a clinician.

% The Cochlear Wireless Phone Clip is compatible with Bluetooth[®] specification 2.1.

■ Cochlear Ltd (ABN 96 002 618 073) 1 University Avenue, Macquarie University, NSW 2109, Australia T: +61 2 9428 6555 F: +61 2 9428 6352

Cochlear AG EMEA Headquarters, Peter Merian-Weg 4, 4052 Basel, Switzerland T: +41 61 205 8204 F: +41 61 205 8205

🇩🇪 Cochlear Deutschland GmbH & Co. KG Karl-Wiechert-Allee 76A, 30625 Hannover, Germany T: +49 511 542 7750 F: +49 511 542 7770

Cochlear Europe Ltd 6 Dashwood Lang Road, Bourne Business Park, Addlestone, Surrey KT15 2HJ, United Kingdom T: +44 1932 26 3400 F: +44 1932 26 3426

Cochlear Austria GmbH CEE Office, Millennium Tower, 45th Floor, Handelskai 94-96, 1200 Vienna, Austria T: +43 1 37600 26 000

Cochlear Benelux NV Schallenhoevedreef 20 i, B-2800 Mechelen, Belgium T: +32 15 79 55 77

Cochlear Europe Limited Czech Branch Office, Kamenická 656/56, 170 00 Prague 7, Czech Republic T: +420 222 13 53 13

Cochlear France SAS 135 route de Saint Simon, CS 43574, 31035 Toulouse, France T: +33 5 34 63 85 85 (international) or 0805 200 016 (national) F: +33 5 34 63 85 80

Cochlear Italia S.r.l. Via Larga 33, 40138 Bologna, Italy T: +39 051 601 53 11 F: +39 051 39 20 62

Cochlear Middle East FZ-LLC Dubai Healthcare City, Al Razi Building 64, Block A, Ground Floor, Offices IR1 and IR2, Dubai, United Arab Emirates

T: +971 4 818 4400 F: +971 4 361 8925

Cochlear Nordic AB Konstruktionsvägen 14, 435 33 Mölnlycke, Sweden T: +46 31 335 14 61

Cochlear Nordic AB Lejrevej 39-41, 3500 Værløse, Denmark T: +45 41 53 40 00

Cochlear Nordic AB Menuetto Business Center, Huopalahdentie 24 A, 00350 Helsinki, Finland T: +358 20 735 0788

Cochlear Norway AS Postboks 6614, Etterstad, 0607 Oslo, Norway T: +47 22 59 47 00

Cochlear Tıbbi Cihazlar ve Sağlık Hizmetleri Ltd. Şti. Çubuklu Mah. Boğaziçi Cad., Boğaziçi Plaza No: 6/1, Kavacık, TR-34805 Beykoz-Istanbul, Turkey

T: +90 216 538 5900 F: +90 216 538 5919

www.cochlear.com



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.

Apple, the Apple logo, FaceTime, Made for iPad logo, Made for iPhone logo, Made for iPod logo, iPhone, iPad Pro, iPad Air, iPad mini, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc., registered in the U.S. and other countries. Android, Google Play and the Google Play logo are trademarks of Google LLC. The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License. The Bluetooth[®] word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Cochlear Limited is under license. Cochlear, Hear now. And always, Nucleus, Kanso, Advance Off-Stylet, AutoNRT, Contour Advance, Custom Sound, Freedom, Hybrid, NRT, SmartSound, True Wireless, the elliptical logo, and marks bearing an ® or ™ symbol, are either trademarks or registered trademarks of Cochlear Limited (unless otherwise noted). ReSound is a trademark of GN Hearing A/S.

© Cochlear Limited 2020. D1773563 V2 2020-10