

# Cochlear<sup>™</sup> Nucleus<sup>®</sup> 8 Nexa<sup>™</sup> Sound Processor

## Features and components

- 1 Cochlear magnet
- 2 Nucleus 8 Nexa Slimline<sup>™</sup> coil (includes cable)
- 3 Microphone cover
- 4 Tamper-resistant lock
- 5 Battery module
- 6 Microphones
- 7 Indicator light
- 8 Control button
- 9 Nucleus 8 Processing Unit (CP1110)
- 10 Earhook
- 11 Serial number



## Color options



**Black**



**Grey**



**Brown**



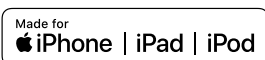
**Sand**



**White**



**Silver**



Note: The Nucleus 8 Nexa Sound Processor is comprised of a Nucleus 8 Processing Unit, a Nucleus 8 Nexa Slimline Coil and an appropriate magnet, battery module and earhook.

## Technical specifications

<b>Model number</b>	CP1110 (Nucleus 8 Processing Unit only)		
<b>Wireless frequency</b>	2.4GHz ISM band		
<b>Wireless communication range</b>	Remote control: At least 2 m	Smartphone control: At least 2 m	Smartphone streaming: At least 7 m
<b>Coil operating frequency</b>	5.0 MHz		
<b>Operating voltage</b>	2.0 V–4.25 V (processing unit) 2.0 V–2.6 V (coil)		
<b>Power consumption</b>	20 mW–156 mW		
<b>Button functions</b>	Turn processor on and off, turn audio streaming on and off, change program		
<b>Capacity/voltage range</b>	Compact Battery Module 91 mAh/3.7 V Power Compact Battery Module 142 mAh/3.7 V Power Extend Battery Module 183 mAh/3.7 V Disposable battery module 2 PR44 (zinc air) batteries 1.45 V (nominal each)*		
<b>Power options<sup>§,†</sup></b>	Compact Battery Module (typical expected battery life: 10 hours) Power Compact Battery Module (typical expected battery life: 16 hours) Power Extend Battery Module (typical expected battery life: 21 hours) Two high power PR44 zinc-air disposable batteries (typical expected battery life: 37 hours)		

	Length	Width	Depth	Weight	Diameter
CP1110 with medium earhook with Compact Battery Module	34.5 mm	8.9 mm	41.3 mm	6.9 g	N/A
CP1110 with medium earhook with Power Compact Battery Module	39.4 mm	8.9 mm	41.3 mm	8.3 g	N/A
CP1110 with medium earhook with Power Extend Battery Module	43.4 mm	8.9 mm	41.3 mm	9.4 g	N/A
CP1110 with medium earhook with disposable batteries (including two 675 zinc air)	47.5 mm	8.9 mm	41.3 mm	9.9 g	N/A
<b>Device dimensions</b>					
Compact Battery Module	15.9 mm	8.9 mm	17.6 mm		N/A
Power Compact Battery Module	20.8 mm	8.9 mm	17.6 mm		N/A
Power Extend Battery Module	24.8 mm	8.9 mm	17.6 mm		N/A
Disposable battery module	28.9 mm	8.9 mm	17.3 mm		N/A
Coil and cable (without coil magnet)			6.4 mm	3.9 g	30.7 mm

### Key features

- Our smallest and lightest behind-the-ear sound processor<sup>1</sup>
- SmartSound® iQ 2 with SCAN 2<sup>†</sup>
- ForwardFocus™ (if enabled by a clinician)
- Dynamic Power Management
- Dual microphones
- Available in six colors
- IP rating for water and dust resistance:
  - IP68 with rechargeable battery
  - IP54 with disposable batteries or with Hybrid™ Hearing option
  - Swimmable with Aqua+ (sleeve and coil)
- Six magnet strengths available
- LED status monitoring
- Hybrid mode: Three receiver sizes available (65dB, 85dB, and 100dB)
  - instant fit with disposable dome or customized earmold

### Implant compatibility

- Compatible with Nucleus Nexa Series implants

### Connectivity

- Compatible with the Nucleus Smart App<sup>^</sup>
- Compatible with Cochlear Remote Control (CR310)
- Direct streaming from compatible Apple and Android™ devices\*
- Ready for Bluetooth® LE Audio – firmware update required<sup>‡</sup>
- Streaming from other Bluetooth® Classic-enabled devices via the Cochlear Wireless Phone Clip
- Compatible with Cochlear True Wireless™ devices
- Telecoil optimized for room loop

### FM compatibility

- Compatible with the Phonak Roger 20 receiver
- The three-pin Euro receiver is compatible with the Mini Microphone 2+, which can be used in conjunction with the Nucleus 8 Nexa Sound Processor

### Accessories

- Retention accessories: tamper resistant earhook, Snugfit (3 sizes), Hugfit™ (5 sizes), Earmold Adaptor, Headworn Adaptor, Safety Cord, Koala Clip and Nucleus 7 Headband
- Monitor Earphone Adaptor with earphones

### Programming

- Compatible with Custom Sound® Pro 7.1 or higher
- Programming with the Wireless Programming Pod or with the Wired Programming Pod and Programming Cable

# 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 750,000 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.

1. Cochlear Limited. D1190805. Processor Size Comparison. 2023, Sep.

\* SNR-NR, WNR and SCAN are 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 2) report a preference for different program settings.

\*\* 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. It may be possible to have decreased speech understanding when using ForwardFocus in a quiet environment.

† Cochlear recommends 675 zinc air batteries designed for cochlear implant use.

§ Battery life varies for every user, according to the age of the battery, the programs used each day, your implant type, the thickness of skin covering your implant, and the size and type of battery used. Streaming from compatible devices, True Wireless devices or FM may decrease sound processor battery life depending on how often and for how long streaming is engaged. Typical expected battery life is calculated using default map settings used with a CI1000 series implant. All day hearing is defined as 16 hours.

~ The Cochlear Nucleus 8 Nexa Sound Processor is dust and water resistant to level IP68 of the International Standard IEC60529. The Nucleus 8 Sound Processor with Aqua+ is dust and water resistant to level IP68 of the International Standard IEC60529 when you use a Cochlear Power Extend Rechargeable Battery Module or Cochlear Compact Rechargeable Battery Module. The Nucleus 8 Sound Processor with Aqua+ can be continuously submerged under water to a depth of up to 3 meters for up to 2 hours. The Aqua+ accessory should be used when participating in prolonged water activities. Refer to the relevant user guide for more information.

^ The Cochlear Nucleus Smart App is available on App Store and Google Play.

+ The Cochlear Nucleus 8 Nexa Sound Processor is compatible with Apple and Android devices. For compatibility information visit [www.cochlear.com/compatibility](http://www.cochlear.com/compatibility).

¥ As Bluetooth LE Audio compatible devices become available, a firmware update will be required for you to use certain features. Auracast™ broadcast audio capability is subject to third party adoption of the Auracast protocol.

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.

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