



# Cochlear<sup>™</sup> Nucleus<sup>®</sup> 7 Sound Processor (CP1000)

## Nucleus<sup>®</sup> 7 Sound Processor components

- 1 Cochlear magnet
- 2 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 Processing unit
- 10 Earhook
- 11 Serial number



## Color options



**Black**  
(platinum detail)



**Grey**  
(platinum detail)



**Brown**  
(platinum detail)



**Sand**  
(platinum detail)



**White**  
(platinum detail)

# Technical specifications

<b>Model number</b>	CP1000		
<b>Wireless frequency</b>	Proprietary 2.4 GHz low power bidirectional wireless link		
<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 (2.5 MHz for Nucleus 22 coil)		
<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–100 mW		
<b>Button functions</b>	Turn processor on and off, turn audio streaming on and off, change program		
<b>Capacity/voltage range</b>	Compact rechargeable battery module 91 mAh/3.7 V, Standard rechargeable battery module 183 mAh/3.7 V, Disposable battery module 2 PR44 (zinc air) batteries 1.45 V (nominal each)*		
<b>Power options**</b>	Compact Rechargeable Battery Module (battery life up to 19 hours), Standard Rechargeable Battery Module (battery life up to 40 hours), Two high power PR44 zinc-air disposable batteries (battery life up to 80 hours)*		

	Length	Width	Depth	Weight	Diameter
<b>Device dimensions</b>					
CP1000 with medium earhook with compact rechargeable battery	36.5 mm	9.0 mm	45.0 mm	7.9 g	N/A
CP1000 with medium earhook with standard rechargeable battery	43.3 mm	9.0 mm	45.4 mm	9.8 g	N/A
CP1000 with medium earhook with disposable batteries (including two 675 zinc air)	43.7 mm	9.0 mm	45.1 mm	10.1 g	N/A
Compact rechargeable battery module	18.0 mm	9.0 mm	17.8 mm		N/A
Standard rechargeable battery module	24.8 mm	9.0 mm	17.8 mm		N/A
Standard battery module	29.4 mm	9.0 mm	17.3 mm		N/A
Coil and cable (without coil magnet)			5.8 mm	3.9 g	30.3 mm

## Key features

- Smallest and lightest behind-the-ear sound processor<sup>1</sup>
- SmartSound<sup>®</sup> iQ with SCAN<sup>\*\*</sup>
- ForwardFocus (if enabled by a Clinician)<sup>^</sup>
- Dual microphones
- Designed for long battery life<sup>2,3</sup>
- Available in five color options
- IP rating for water and dust resistance:
  - IP57 with rechargeable battery
  - IP54 with disposable batteries or with Hybrid<sup>™</sup> Hearing option
  - IP68 with Aqua+ (sleeve with coil)<sup>^^</sup>
- Six magnet strengths available with Profile<sup>™</sup> Plus, seven available for prior implant generations
- LED status monitoring
- Hybrid mode: Three receiver sizes available (CP1000 Speaker Unit 100, 85 and 60) – instant fit with disposable dome or customized earmold<sup>†</sup>

## Implant compatibility

- Compatible with Nucleus 22 Series, Nucleus 24 Series, CI24RE Series, CI500 Series, Profile Series and Profile Plus Series

## Connectivity

- Compatible with the Nucleus Smart App<sup>#</sup>
- Compatible with Cochlear Nucleus CR310 Remote Control
- Direct streaming from compatible Apple<sup>®</sup> and Android<sup>™</sup> devices<sup>#</sup>
- Streaming from other Bluetooth<sup>®</sup>-enabled devices via the Cochlear Wireless Phone Clip
- Compatible with Cochlear True Wireless<sup>™</sup> devices
- Telecoil optimized for room loop

## FM compatibility

- Compatible with the Phonak Roger<sup>™</sup> 20 receiver
- The three-pin Euro receiver is compatible with the Mini Microphone 2+, which can be used in conjunction with the Nucleus 7 Sound Processor

## Accessories

- Retention accessories: tamper resistant earhook, Snugfit (3 sizes), Hugfit<sup>™</sup> (3 sizes), Cochlear Earmold Adaptor, Cochlear Headworn Adaptor, Cochlear Safety Cord, Koala Clip and Cochlear Pediatric Headband
- Monitor Earphone Adaptor

## Programming

- Custom Sound<sup>®</sup> 5.0 or higher and Custom Sound Pro<sup>™</sup>
- Programming with the Wireless Programming Pod CP1000 or with the Cochlear Programming Cable (CP1000)

## www.cochlear.com

1. Cochlear Ltd. D1190805 Sound Processor Size Comparison. 2020; March. Data on file.
2. Cochlear Limited. D1140877. Battery Life and Power Consumption Comparison between CP1000, CP900 Series and CP810 Sound Processors. 2017, Sept; Data on file.
3. Cochlear Limited. D1679370. N22 recipient Battery Life and Power Consumption Comparison between CP1000, CP900 Series and CP810 Sound Processors. 2020, Jan; Data on file.

\*Cochlear recommends 675 zinc air batteries designed for cochlear implant use. Battery life estimates excludes Nucleus 22 implant. Individual results may vary depending on implant type programming parameters and battery choice.

\*\*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.

<sup>^</sup>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.

<sup>™</sup>Nucleus 7 with Aqua+ is water resistant to level IP68 of the International Standard IEC60529. This water protection rating means that the sound processor with the Aqua+ can be continuously submerged under water to a depth of 3 meters (9 feet and 9 inches) for up to 2 hours. This water protection only applies when you use the Aqua+ and rechargeable batteries.

<sup>#</sup>The Cochlear Nucleus 7 Sound Processor and Nucleus Smart App are 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](http://www.cochlear.com/compatibility). The Coil Off feature in the Hearing Tracker within the Nucleus Smart App is not available for Nucleus 22 implant recipients.

<sup>†</sup>Nucleus 22 Series implant recipients can only be programmed with Custom Sound Pro.

<sup>™</sup>The Acoustic Component should only be used when behavioral audiometric thresholds can be obtained and the recipient can provide feedback regarding sound quality.

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. Specifications are nominal and accurate at the time of printing, subject to change without notification. Apple, Made for iPhone logo 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<sup>®</sup> 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 Limited 2020. All rights reserved. Hear now. And always and other trademarks and registered trademarks are the property of Cochlear Limited or Cochlear Bone Anchored Solutions AB. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.