

## TECHNICAL SPECIFICATIONS

# Cochlear™ Nucleus® 7 Sound Processor (CPI000)

## NUCLEUS 7 SOUND PROCESSOR COMPONENTS

- 1 Cochlear magnet
- 2 Slimline™ 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



## COLOUR OPTIONS



Black  
(platinum detail)



Black  
(gold detail)



Grey  
(platinum detail)



Brown  
(platinum detail)



Sand  
(platinum detail)



White  
(platinum detail)

## TECHNICAL SPECIFICATIONS

Model number	CP1000					
Wireless frequency	Proprietary 2.4 GHz low power bidirectional wireless link					
Wireless communication range	Remote control: At least 2 m	Smartphone control: At least 2 m	Smartphone streaming: At least 7 m			
Coil operating frequency	5.0 MHz					
Operating voltage	2.0 V–4.25 V (processing unit) 2.0 V–2.6 V (coil)					
Power consumption	20 mW–100 mW					
Button functions	Turn processor on and off, turn audio streaming on and off, change program					
Capacity/Voltage range	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)*					
Power options**	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)					
Charge cycles	≥ 80% capacity after 400 charge/discharge cycles at room temperature					
		Length	Width	Depth	Weight	Diameter
Device dimensions	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

- SmartSound® iQ with SCAN
- ForwardFocus
- Dual microphones
- Longer battery life
- Available in six colour options
- IP rating for water and dust resistance:
  - IP57 with rechargeable battery
  - IP54 with disposable batteries or with Hybrid™ Hearing option
  - IP68 with Aqua+ (sleeve with coil)
- Seven magnet strengths available
- LED status monitoring
- Hybrid mode: Three receiver sizes available (CP1000 Speaker Unit 100, 85 and 60) – instant fit with disposable dome or customised earmould

### Implant compatibility

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

### Connectivity

- Compatible with the Nucleus Smart App
- Compatible with Cochlear Nucleus CR310 Remote Control
- Direct streaming to compatible Apple and Android devices
- Streaming to other Bluetooth®-enabled devices via the Cochlear Wireless Phone Clip
- Compatible with Cochlear True Wireless™ devices
- Telecoil optimised for room loop

### FM compatibility

- Compatible with Phonak's Roger 20 receiver
- The 3 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™ (3 sizes), Cochlear Earmould Adaptor, Cochlear Headworn Adaptor, Cochlear Safety Cord, Koala Clip and Cochlear Paediatric Headband
- Monitor Earphone Adaptor

### Programming

- Compatible with Nucleus Fitting Software 2.0 or higher, and Custom Sound® 5.0 or higher
- Programming with the Wireless Programming Pod CP1000 or with the Cochlear Programming Cable (CP1000)

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

\*\* Battery life will vary depending on system settings and hearing situation.

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. Please read the instructions for use provided with each device prior to use. Specifications are nominal and accurate at the time of printing, subject to change without notification.

The Cochlear Nucleus Smart App is available on App Store and Google Play. The Cochlear Nucleus 7 Sound Processor is compatible with Apple and Android devices, for compatibility information visit [www.cochlear.com/compatibility](http://www.cochlear.com/compatibility).

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