

Cochlear™ Kanso® 3 Sound Processor (CP1170)

Kanso® 3 Sound Processor components

- 1 Microphone ports
- 2 Indicator light
- 3 Magnet
- 4 Socket cover



Color options



Black



Slate Grey



Silver



Sandy Blonde



Chocolate Brown

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Technical specifications

| | |
|------------------------------|---|
| Model number | CP1170 |
| Wireless frequency | Proprietary 2.4 GHz low power bidirectional wireless link. Published commercial wireless protocol (Bluetooth® Low Energy) |
| Wireless communication range | Remote control: at least 2 m Smartphone control: at least 2 m Smartphone streaming: at least 7 m |
| Operating frequency | 5.0 MHz |
| Input operating voltage | 4.75 V to 5.35 V |
| Power consumption | 20 mW–100 mW |
| Tap functions | Turn processor on and off, enable flight mode |
| Battery capacity | 175 mAh (3.7V nominal) |
| Power options | Integrated rechargeable lithium ion battery (typical expected battery life 18 hours*) |
| Charge cycles | ≥ 80% capacity after 2000 charge/discharge cycles at room temperature |
| Device dimensions | Length: 38 mm Width: 34 mm Depth: 12.5 mm Weight: 14.2 g [^] |

Key features

- Smallest and lightest rechargeable off-the-ear sound processor^{1,^,**}
- SmartSound® iQ 2 with SCAN 2[~]
- ForwardFocus (if enabled by a clinician) and SCAN 2 FF (automated ForwardFocus)^{†,~}
- Dual microphones
- Wireless inductive charging
- Integrated rechargeable lithium ion battery
- Available in five color options
- IP rating for water and dust resistance:
 - IP68[~]
 - Swimmable with Aqua+
- Seven standard and six imaging magnet strengths, available for compatible implant generations
- LED status monitoring

Implant compatibility

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

Connectivity

- Ready for Bluetooth® LE Audio – firmware updates required[¥]
- Compatible with the Nucleus Smart App
- Direct streaming from compatible Apple and Android™ devices[#]
- Streaming from other Bluetooth-enabled devices via the Cochlear Wireless Phone Clip
- Compatible with Cochlear True Wireless™ devices
- Compatible with Cochlear Remote Control (CR310)

FM compatibility

- Via the Cochlear Wireless Mini Microphone 2+ with a three-pin Euro receiver

Accessories

- Retention accessories:
 - A range of safety lines
 - Kanso Headband (4 sizes)
- Cochlear SoftWear™ Pad
- Aqua+
- Kanso Halo accessory
- Portable Charger
- Home Charger

Programming

- Compatible with Custom Sound® fitting software
- Programming achieved using the programming pod, or wireless programming pod with the Kanso 2 programming adaptor cable

* Battery life varies for every user, according to the age of the battery, programs used each day, your implant type, the thickness of skin covering your implant, and the size and type of battery. Typical expected battery life is calculated using default map settings used with a CI600 series implant. All day hearing is defined as 16 hours.

**Competitor volume comparisons are based on CAD models generated by Cochlear from competitor images and dimensions from literature. While these CAD models are estimates, they show that CP1150, CP1170 & CP1175 are smaller than these competitors.

^ Sound processor with lowest strength magnet

† 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.

~ 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. The Kanso 3 Sound Processor is dust and water resistant to level of IP68 of the International Standard IEC60529. The Kanso 3 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 meters (9 feet and 9 inches) 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.

¥ 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.

The Cochlear Nucleus Smart App is available on App Store and Google Play. The Cochlear Kanso 3 Sound Processors are compatible with Apple and Android devices, for compatibility information visit www.cochlear.com/compatibility

1. Cochlear Limited. D1190805 Processor Size Comparison. 2023

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 follow the directions 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.

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