

# Cochlear™ Kanso® 2 Sound Processor (CP1150)

## Kanso® 2 Sound Processor components

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



## Color options



## Kanso 2 Unique Features

- The first and only off-the-ear cochlear implant sound processor to offer direct streaming from compatible Apple® or Android™ devices.
- Small and light, with a powerful built in rechargeable battery and the highest available dust and water resistance rating.<sup>5~</sup>
- The Kanso 2 Sound Processor features SmartSound® iQ with SCAN\*\* to help your patients to hear sound, speech and music clearly in different environments.<sup>1-3</sup>
- Dual microphones work together to filter out background noise and provide better hearing performance in noise than a single microphone.<sup>2</sup>
- Your patients can also access ForwardFocus<sup>†</sup> in the Nucleus Smart App,<sup>#</sup> which reduces distracting noise coming from behind.

# Technical specifications

|                              |  |   |   |
|------------------------------|--|---|---|
| Model number                 | CP1150   |   |   |
| 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 / 6 ft  | Smartphone control: at least 2 m / 6 ft | Smartphone streaming: at least 7 m / 22 ft    |
| 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             | 650 mWh  |   |   |
| Power options                | Integrated rechargeable lithium ion battery (battery life up to 18 hours <sup>4</sup> )                                  |   |   |
| 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 <sup>^</sup> |

## Key features

- Smallest off-the-ear cochlear implant sound processor<sup>5</sup>
- SmartSound® iQ with SCAN\*\*
- ForwardFocus<sup>†</sup>
- Dual omnidirectional microphones
- Wireless inductive charging
- Integrated rechargeable lithium ion battery
- Available in five color options
- IP rating for water and dust resistance:
  - IP68<sup>~</sup> - Waterproof with Aqua+
- Six magnet strengths available with Profile™ Plus series implant, seven available for compatible prior implant generations
- LED status monitoring

## Implant compatibility

- Compatible with 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® and Android™ devices<sup>#</sup>
- Streaming from other Bluetooth®-enabled devices via the Cochlear™ Wireless Phone Clip
- Compatible with Cochlear™ True Wireless™ devices

## FM compatibility

- Via the Cochlear™ Wireless Mini Microphone 2+

## Accessories

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

## Programming

- Compatible with Custom Sound® Pro fitting software
- Programming with the Wireless Programming Pod or with the Kanso 2 Programming Adaptor Cable

1. 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. [Sponsored by Cochlear].
2. 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].
3. 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.
4. Cochlear Limited. D1710313. Battery Life Coverage Technical Report.
5. Cochlear Limited. D1190805. Sound Processors Size Comparison.

\* Individual results may vary depending on implant type and programming parameters.

\*\* SNR-NR and WNR 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. SCAN is FDA approved for use with any recipient age 6 years old and older, to be used at the discretion of the recipient/parent/caregiver.

<sup>^</sup> Sound processor with lowest strength magnet

<sup>~</sup> The Kanso 2 Sound Processor is dust and water resistant to level of IP68 of the International Standard IEC60529. With the Aqua+ accessory, 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 3 meters for up to 2 hours. Refer to the relevant User Guide for more information.

<sup>#</sup> The Cochlear Nucleus Smart App is available on App Store and Google Play. The Cochlear Nucleus 7 and Kanso 2 Sound Processors are compatible with Apple and Android devices, for compatibility information visit [www.cochlear.com/compatibility](http://www.cochlear.com/compatibility)

<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.

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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