



# The Cochlear™ Nucleus® System

CP910 AND CP920 SOUND PROCESSOR TECHNICAL SPECIFICATIONS



The Cochlear™ Nucleus® CP910 and CP920 Sound Processors use sophisticated technology to deliver hearing performance across a range of listening environments. The CP910 includes an accessory socket for adding plug-in audio accessories and the CP920 is the most compact sound processor we offer. Both come ready to work with a future range of wireless audio accessories.

For those preferring to be more involved in monitoring or managing their hearing, both Nucleus 6 Sound Processors can communicate wirelessly with two optional remote management accessories: the Cochlear Nucleus CR210 Remote Control and the Cochlear Nucleus CR230 Remote Assistant.



## SMART DESIGN

The sound processor comes in a range of colors designed to be discreet by blending in with skin tones and hair color.



## 5 TIMES MORE POWERFUL CHIP

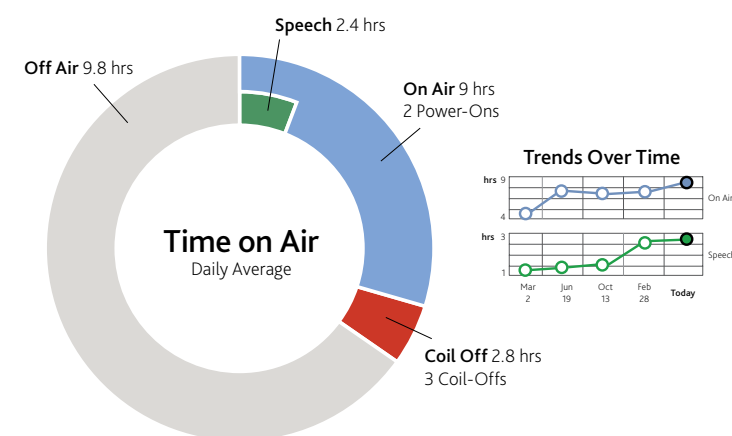
Built on a completely new microchip platform with five times the processing power of its predecessor (the Cochlear Nucleus 5 Sound Processor), the CP910 and the CP920 are able to support future advances in sound processing that deliver new benefits in hearing performance.

## DATA LOGGING

Processors so smart they can tell you where they have been.

- Is the device being used?
- What is the auditory environment?
- What programs are being used?
- What loudness range is the patient being exposed to?
- What accessories are being used?

Counseling discussions improve with data logging and trending reports that can be analyzed in many different ways. Start a better conversation with Cochlear Nucleus 6 and data logging tools.

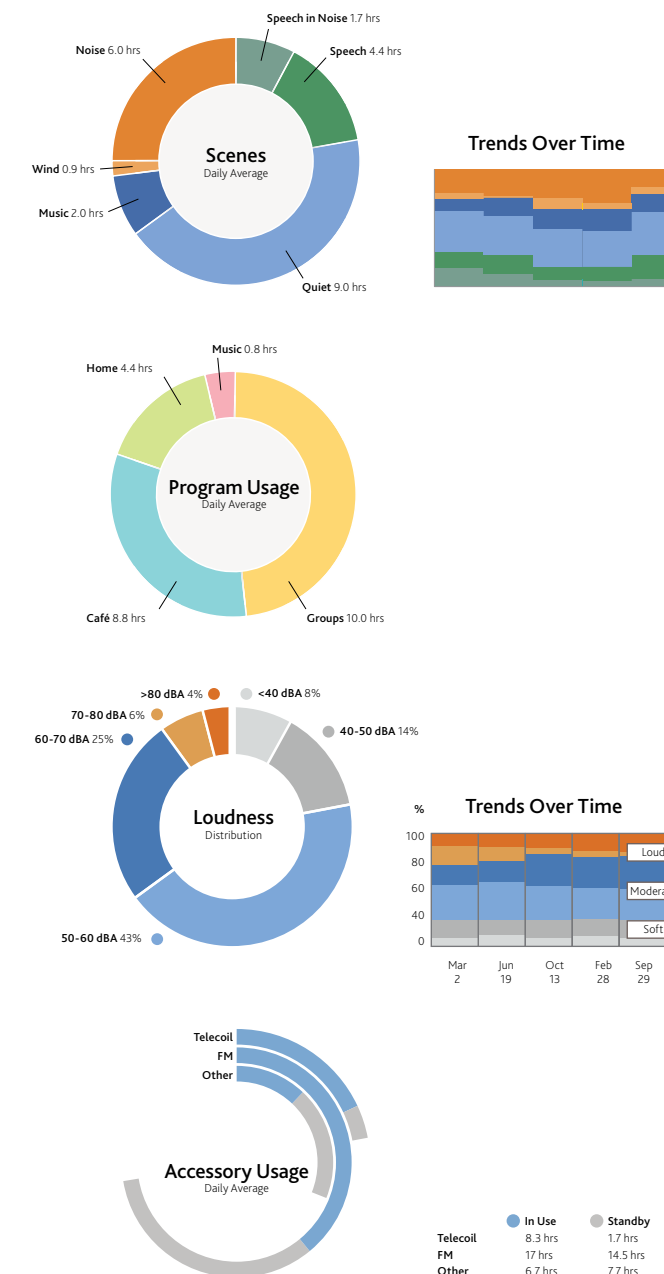


## LONG BATTERY LIFE

The standard disposable battery can last up to 60 hours to ensure you never go without hearing.\* Many factors influence the battery life. Our goal is to ensure everyone has the opportunity to enjoy a full active day of uninterrupted hearing performance, regardless of their specific circumstances and clinical situation.



\* Individual battery life may vary.



## MATERIALS

The processing unit is made of copolyester. Battery modules (all types) are made of copolyester. The coil is made of polypropylene (PP) and thermoplastic elastomer (TPE). The coil magnet casing is made of acrylonitrile butadiene styrene (ABS). The coil cable sheath is made of polyvinyl chloride (PVC) and the plugs of PP and TPE. Earhooks are made of ethylene vinyl acetate copolymer (EVA) and polycarbonate and polyester blend.

# CP910 AND CP920 SOUND PROCESSORS

## PRODUCT COMPONENT DIMENSIONS AND WEIGHT

| COMPONENT                                                                              | LENGTH  | WIDTH  | DEPTH   | EXTERNAL DIAMETER | WEIGHT | WARRANTY |
|----------------------------------------------------------------------------------------|---------|--------|---------|-------------------|--------|----------|
| CP910 processing unit with medium earhook and standard tamper resistant battery module | 51.3 mm | 9.0 mm | 47.7 mm |                   | 12.8 g | 5 Years* |
| CP920 processing unit with medium earhook and standard tamper resistant battery module | 48.1 mm | 9.0 mm | 47.7 mm |                   | 12.1 g | 5 Years* |
| Standard tamper resistant battery module (including two PR44 zinc air batteries)       | 28.0 mm | 9.0 mm | 19.6 mm |                   | 7.1 g  | 5 Years* |
| Coil (without magnet)                                                                  |         |        | 8.0 mm  | 30.8 mm           | 4.5 g  | 5 Years* |

### BATTERY MODULE

| COMPONENT                                | CAPACITY/VOLTAGE RANGE                                                                                                                                                                     | BATTERY LIFE   |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Standard tamper resistant battery module | The module includes two PR44 zinc air batteries, 1.45 V (nominal) each. Refer to battery manufacturer's specifications. Cochlear recommends power one IMPLANT plus p675 zinc air batteries | Up to 60 hours |

### COIL

| CHARACTERISTIC      | VALUE/RANGE    |
|---------------------|----------------|
| Operating voltage   | 2.0 V to 2.6 V |
| Operating frequency | 5 MHz          |

### OPERATING CHARACTERISTICS OF THE CP910 AND CP920

| CHARACTERISTIC              | VALUE/RANGE                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Sound input frequency range | 100 Hz to 8 kHz                                                                                                                              |
| Wireless technology         | Proprietary low power bi-directional wireless link                                                                                           |
| Radio frequency             | 2.4 GHz                                                                                                                                      |
| Operating voltage           | 2.00 V to 4.25 V                                                                                                                             |
| Power consumption           | 20 mW to 100 mW                                                                                                                              |
| Button functions            | Turn processor on and off, turn telecoil/audio accessory on and off, change program, lock/unlock buttons, change sensitivity or volume level |
| Wireless transmission range | Up to 2 meters                                                                                                                               |

\* When selected as part of a Cochlear Nucleus System.

Not all patients with hearing loss are candidates for cochlear implantation. Cochlear implantation is a surgical procedure, and carries with it the risks typical for surgery. For complete information regarding indications, warnings and adverse effects, please refer to the Nucleus Package Insert (available at [www.Cochlear.com/US/NucleusIndications](http://www.Cochlear.com/US/NucleusIndications)).

[www.Cochlear.com/US](http://www.Cochlear.com/US)

**Cochlear Americas**  
 13059 East Peakview Avenue  
 Centennial, CO 80111 USA

Tel: 1 303 790 9010  
 Fax: 1 303 792 9025  
 Toll Free: 1 800 523 5798



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