### Sound Processor Type

- **Behind-the-ear (BTE)**
- **Off-the-ear (OTE)**

### Technology

#### Hybrid Hearing

- Hybrid Hearing uses acoustic amplification which may allow you to utilize your natural low frequency hearing, while taking advantage of cochlear implant technology to restore access to the hearing you're missing. The result can be improved sound quality and speech recognition.

#### SmartSound® iQ with SCAN

- SmartSound iQ is Cochlear’s most advanced sound processing system. It works by filtering out background noise and automatically adapting to optimize your hearing experience, focusing on sounds that are most important to you. SCAN is the industry’s first automatic scene classifier—designed to detect the unique features of sound and use them to determine the listening environment.

#### ForwardFocus®

- ForwardFocus® is a control feature which allows you to hear better in challenging listening environments. It works by reducing any noise coming from behind you, so you can more easily enjoy face-to-face conversation.

#### Nucleus® Smart App

- The Nucleus Smart App has been developed for the Nucleus 7 and Kanso 2 Sound Processors. Available for Apple and Android devices, it is easy to use and offers the convenience of not having to carry a remote.

### COMPARISON CHART

**| Sound Processor Type | Technological Feature | Compatibility |
---|---|---|
Kanso® | Off-the-ear (OTE) | Freedom® Hearing Processor | Compatible with all Nucleus 22 implants
Kanso® | Behind-the-ear (BTE) | SmartSound iQ with SCAN | Compatible with all Nucleus implants
Kanso® | Behind-the-ear (BTE) | SmartSound iQ with SCAN | Compatible with all Nucleus implants
Nucleus® | Behind-the-ear (BTE) | SmartSound iQ with SCAN | Compatible with all Nucleus implants
Nucleus® | Behind-the-ear (BTE) | SmartSound iQ with SCAN | Compatible with all Nucleus implants
Freedom® | Behind-the-ear (BTE) | SmartSound iQ with SCAN | Compatible with all Nucleus implants

### Compatibility

- Cochlear Nucleus Smart App is available on App Store and Google Play. For compatibility information visit www.cochlear.com/compatibility.
- The Nucleus Freedom® Sound Processor and the Cochlear Kanso 2 Sound Processor are compatible with iPhone® 7 and iPad® 2017.
- **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 a measurable gain in speech recognition for different program settings.**
- **The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Cochlear is under license.**
- **True Wireless™ devices take your hearing to the next level and letting you live life to the fullest, with options to connect directly to a Mini Microphone, Phone Clip or TV Streamer.**
- **The Nucleus 7 Sound Processor turns on automatically when you connect a battery.**

### Note


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**FM systems are among the most common hearing assistive technologies used with children, especially in school environments. The Mini Microphone 2+ is an effective and cost efficient alternative to an FM system, providing improved hearing in noisy situations or over a distance.**
### Features

<table>
<thead>
<tr>
<th>Features</th>
<th>Aqua+‡</th>
<th>Freedom*</th>
<th>Kanso 2 Sound Processor</th>
<th>Nucleus® 7 Sound Processor</th>
<th>Nucleus® 6 Sound Processor</th>
<th>Freedom* Sound Processor</th>
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</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>Lightest OTE sound processor to date</td>
<td>Lightest BTE sound processor to date</td>
<td>Kanso 2 is 4% smaller than Freedom</td>
<td>Nucleus 7 is 25% smaller than Freedom</td>
<td>Nucleus 7 is 6% smaller than Freedom</td>
<td>Nucleus 7 is 55% smaller than Freedom</td>
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<tr>
<td><strong>Weight</strong></td>
<td>Lightest OTE sound processor to date</td>
<td>Lightest OTE processor available</td>
<td>Kanso 2 is 24% lighter than Nucleus 6</td>
<td>Nucleus 6 is 27% lighter than Nucleus 5</td>
<td>Nucleus 7 is 45% lighter than Freedom</td>
<td></td>
</tr>
<tr>
<td><strong>Color range</strong></td>
<td>5 color options</td>
<td>8 color options</td>
<td>5 color options</td>
<td>5 color options</td>
<td>6 color options</td>
<td></td>
</tr>
<tr>
<td><strong>Water and dust resistance ratings</strong></td>
<td>Water resistant (IP68) when worn with Aqua+‡</td>
<td>Water resistant (IP54)**</td>
<td>Water resistant (IP57) with rechargeable batteries</td>
<td>Waterproof (IP56) when worn with Nucleus 7</td>
<td>Waterproof (IP57) when worn with Freedom</td>
<td>Water resistant (IP54)**</td>
</tr>
<tr>
<td><strong>Battery Life</strong></td>
<td>Up to 18 hours</td>
<td>Up to 80 hours</td>
<td>Up to 60 hours</td>
<td>Up to 60 hours</td>
<td>Up to 60 hours</td>
<td></td>
</tr>
<tr>
<td><strong>Charger</strong></td>
<td>Y Charger</td>
<td>Y Charger</td>
<td>All-in-one Home Charger and optional Portable Charger</td>
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<td>All-in-one Home Charger and optional Portable Charger</td>
<td></td>
</tr>
</tbody>
</table>

### Batteries

- **Disposable batteries** (high power 675 zinc air)
- **Rechargeable batteries**
- **Battery Life**
- **Rechargeable battery charger**
- **LED status monitoring**
- **Compatible with monitor earphones**

### Wearing & Retention Options

- **Earhooks**
- **Tamper-resistant earhook**
- **SnugFit**
- **HughFit**
- **Mic Lock**
- **Koala Clip**
- **Safety cord**
- **Hair clip**
- **Ear mold adaptor**
- **Headnom adaptor**
- **Headband**

### Why it matters

The Kanso 2 Sound Processor is Cochlear’s smallest behind-the-ear sound processor to date, 25% smaller than its predecessor, the Nucleus 6 Sound Processor. The Kanso 2 Sound Processor is Cochlear’s smallest off-the-ear sound processor. The Kanso 2 Sound Processor is the lightest rechargeable off-the-ear cochlear implant sound processor available.

The Freedom* Sound Processor is water-resistant to level IP68 of the International Standard IEC60529.

The Freedom Sound Processor is water-resistant to level IP44 of the International Standard IEC60529.

The Freedom Sound Processor is water-resistant to level IP54 of the International Standard IEC60529.

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### COMPARISON CHART

- **Aqua+‡**
- **Freedom***
- **Kanso 2**
- **Nucleus® 7**
- **Nucleus® 6**
- **Freedom***

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**Why it matters**

- **Freedom**: Designed for comfort, the Freedom Sound Processor is Cochlear’s lightest BTE processor, 34% lighter than its predecessor, the Nucleus 6 Sound Processor. The Freedom Sound Processor is the lightest rechargeable off-the-ear cochlear implant sound processor available.

- **Aqua+‡**: Aqua+ is a soft, flexible silicone sleeve that fits over the sound processor, making it waterproof where additional protection is needed.

- **Kanso 2**: The Kanso 2 Sound Processor has a unique button-free design. The Nucleus 7 Sound Processor has a one button interface for basic control functionality.

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**Battery Life**

- **Freedom**: Both the Kanso 2 Sound Processor and the Nucleus 7 Sound Processor give you full confidence when caught in the rain, being splashed with water or sweating it out in the gym. For added peace of mind, add the security of Aqua and your Nucleus 7 or Kanso 2 Sound Processor becomes waterproof, so you can surf, snorkel or swim with confidence in salt, fresh and chlorinated water.

- **Aqua+‡**: Aqua+ is a soft, flexible silicone sleeve that fits over the sound processor, making it waterproof where additional protection is needed.

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**Features**

- **Kanso 2 Sound Processor**: The Kanso 2 Sound Processor is Cochlear’s smallest off-the-ear sound processor.

- **Nucleus® 7 Sound Processor**: The Nucleus 7 Sound Processor is Cochlear’s lightest BTE processor, 34% lighter than its predecessor, the Nucleus 6 Sound Processor. The Freedom Sound Processor is the lightest rechargeable off-the-ear cochlear implant sound processor available.

- **Nucleus® 6 Sound Processor**: Designed for comfort, the Freedom Sound Processor is Cochlear’s lightest BTE processor, 34% lighter than its predecessor, the Nucleus 6 Sound Processor. The Freedom Sound Processor is the lightest rechargeable off-the-ear cochlear implant sound processor available.

- **Freedom* Sound Processor**: Designed for comfort, the Freedom Sound Processor is Cochlear’s lightest BTE processor, 34% lighter than its predecessor, the Nucleus 6 Sound Processor. The Freedom Sound Processor is the lightest rechargeable off-the-ear cochlear implant sound processor available.

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**Batteries**

- **Disposable batteries** typically last several days, depending on the power needs of each recipient’s equipment.

- **Rechargeable batteries**

- **Battery Life**

- **Rechargeable battery charger**

- **LED status monitoring**

- **Compatible with monitor earphones**

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**Wearing & Retention Options**

- **Earhooks**: Helps prevent children from opening the battery cover.

- **Tamper-resistant earhook**: An easy way to quickly and easily assess the status of your child’s sound processor.

- **SnugFit**: Enables a parent to check the sound quality of the input from their child’s sound processor, microphone or accessories.

- **HughFit**: Enables a parent to check the sound quality of the input from their child’s sound processor, microphone or accessories.

- **Mic Lock**: Helps keep the sound processor securely in place, especially designed for smaller ears.

- **Koala Clip**: Helps keep the sound processor securely in place, especially designed for smaller ears.

- **Safety cord**: Provides additional security when taking part in activities where you risk losing your sound processor.

- **Hair clip**: Attaches to an ear mold to help keep the sound processor securely in place.

- **Ear mold adaptor**: Helps keep the sound processor securely in place, especially designed for smaller ears.

- **Headnom adaptor**: Helps keep the sound processor securely in place, especially designed for smaller ears.

- **Headband**: Helps keep the sound processor securely in place, especially designed for smaller ears.

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**For parents**

- **Aqua+‡**: Disposable batteries typically last several days, depending on the power needs of each recipient’s equipment.

- **Freedom***: Both standard and compact rechargeable battery modules are available for the Nucleus 7 Sound Processor. The Kanso 2 Sound Processor has an in-built rechargeable battery.

- **Kanso 2**: The Kanso 2 and Nucleus 7 Sound Processors have been designed with efficiency in mind to deliver long-lasting battery performance.

- **Nucleus® 7**: The Nucleus 7 Sound Processor features an additional USB charging option, allowing you to charge from a PC, or on-the-go in your car.

- **Nucleus® 6**: The Kanso 2 Sound Processor uses a new all-in-one Home Charger that charges, stores and dries your device at the same time. A Portable Charger is also available.

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**Earhooks**

- **Tamper-resistant earhook**

- **SnugFit**

- **HughFit**

- **Mic Lock**

- **Koala Clip**

- **Safety cord**

- **Hair clip**

- **Ear mold adaptor**

- **Headnom adaptor**

- **Headband**

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**Why it matters**

- **Freedom**: Both the Kanso 2 Sound Processor and the Nucleus 7 Sound Processor give you full confidence when caught in the rain, being splashed with water or sweating it out in the gym. For added peace of mind, add the security of Aqua and your Nucleus 7 or Kanso 2 Sound Processor becomes waterproof, so you can surf, snorkel or swim with confidence in salt, fresh and chlorinated water.

- **Aqua+‡**: Aqua+ is a soft, flexible silicone sleeve that fits over the sound processor, making it waterproof where additional protection is needed.

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- **Mic Lock**: Helps keep the sound processor securely in place, especially designed for smaller ears.

- **Koala Clip**: Helps keep the sound processor securely in place, especially designed for smaller ears.

- **Safety cord**: Provides additional security when taking part in activities where you risk losing your sound processor.

- **Hair clip**: Clips onto the hair, reducing the risk of losing your sound processor.

- **Ear mold adaptor**: Attaches to an ear mold to help keep the sound processor securely in place.

- **Headnom adaptor**: For temporary use only. Holds the sound processor and coil together in place on the side of the head.

- **Headband**: Compatible with the Kanso 2 and Nucleus 7 Sound Processors. Useful for children or during physical activity.

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