When a battery module is recharging, the indicator light corresponding to the battery module being recharged is orange. Once a battery module is fully recharged, the indicator light is green. For more information, see the following section.

Understanding battery charger indicator lights

The battery charger has a mains power indicator light and four individual indicator lights corresponding to the four battery charger sockets (see table below).

Battery charger socket light	What it means
Steady orange	Rechargeable battery module is recharging.
Steady green	Rechargeable battery module is fully recharged.
Flashing orange	Indicates a problem with the rechargeable battery module being recharged.
Does not light up	Indicates a general fault. This could mean: • Rechargeable battery module is not properly placed in the battery charger. • There is no power.

When recharging the rechargeable battery module, the battery charger mains power indicator light is green.

General warnings and precautions for handling batteries and the battery charger

Batteries

- Do not recharge disposable batteries.
- When using disposable batteries, only use P675 zinc air batteries. Other types may not have sufficient energy to allow

your processor to operate for a long time. Cochlear does not recommend the use of silver oxide or alkaline batteries.

- Change both disposable batteries at the same time. It only takes one low or empty battery to stop your processor from working.
- Do not mix brands or battery types (e.g. zinc air with silver oxide).
- Remove disposable batteries from your processor when they are empty, or when storing the battery holder or processor for a period of time. Empty batteries may leak corrosive fluids and cause damage if left inside the battery module for extended periods.
- If a battery has leaked fluid, do not allow the fluid or liquid to come into contact with skin or eyes. If contact is made, wash with a lot of water and seek medical attention. It is always a good idea to wash your hands after you have handled batteries.
- Store batteries separately to avoid them from shorting each other.
- Batteries can be harmful if chewed or swallowed. If chewed or swallowed, seek prompt medical attention at the nearest emergency centre or Poisons Information Centre.
- Make sure that batteries are kept out of reach of young children. Do not let children replace batteries without adult supervision.
- Carry spare batteries in a closed plastic bag. Batteries could short circuit and discharge if they come into contact with each other or any metallic objects (e.g. coins, hair clips, etc.).
- Do not expose batteries to heat (e.g. never leave batteries in sunlight, behind a window or in a car).
- Store batteries in a cool dry place.
- Never immerse batteries in water.
- Do not deform batteries.
- Do not drop batteries on hard surfaces.
- Never dispose of batteries in fire.
- After storing rechargeable battery modules for an extended period, it may be necessary to recharge them.
- Only use the battery charger supplied by Cochlear to recharge rechargeable battery modules.

- When rechargeable battery modules no longer last for a reasonable period of time, dispose of them carefully, in accordance with local regulations.

Battery charger

- Avoid touching the battery charger connectors and contacts.
- Do not let children use the battery charger without adult supervision.

Using audio accessories with your processor

Cochlear supplies a range of audio accessories to help optimise hearing in different listening environments. You can connect the following audio accessories to your processor:

- Cochlear™ Nucleus® CP800 Series Lapel Microphone, to improve communication in noisy environments (e.g. meetings).

  To use the Lapel Microphone, connect the processor end of the Lapel Microphone cable to your processor audio accessory socket and place the other end near the sound source.

Figure 11: Sound source end (1) and processor end (2) of the Lapel Microphone

- Freedom™ Monitor Earphones for use by another person (with unaided hearing) to check that you can hear sound from the following sound sources:
  - Microphones.
  - Telecoil.
  - Microphones and telecoil together.

  Monitor earphones do not indicate the quality of the sound heard by the recipient.

Figure 12: Freedom Monitor Earphones

- Cochlear™ Nucleus® CP800 Series Personal Audio Cable for connecting a battery-powered sound source (e.g. portable CD player) to your processor. The Personal Audio Cable produces monophonic sound.

  To use the Personal Audio Cable, connect the processor end of the cable to your processor and the other end to the battery-powered sound source. Do not use the Personal Audio Cable to directly connect to a mains powered sound source (e.g. TV).

Figure 13: Sound source end (1) and processor end (2) of the Personal Audio Cable

- Cochlear™ Nucleus® CP800 Series Bilateral Personal Audio Cable for connecting a battery powered sound source to two processors (bilateral use). Use the shorter side of the cable for the left ear and the longer side for the right ear. The cables are marked "L" (left) and "R" (right) to avoid mixing them up. The Bilateral Personal Audio Cable produces both monophonic and stereophonic sound, depending on the sound system.

  To use the Bilateral Personal Audio Cable, connect the processor end of the cable to your processors and the other end to the battery-powered sound source. Do not use the Bilateral Personal Audio Cable to directly connect to a mains powered sound source.

Figure 14: Sound source end (1) and processor end (2) of the Bilateral Personal Audio Cable

- Cochlear™ Nucleus® CP800 Series Mains Isolation Cable for connecting the Personal Audio Cable or Bilateral Personal Audio

Cable to a mains powered sound source (e.g. TV). The Mains Isolation Cable provides electrical protection from mains power.

Figure 15: Mains Isolation Cable

- FM Cables, to send sound signals from a commercially available FM listening system to your processor. FM systems are wireless communication systems that help enhance hearing performance and speech understanding in certain environments (e.g. noisy environments, at school, etc.). For information on available FM cables, contact your clinician. You can also refer to the FM cable packaging for a list of available FM cables.

  To use an FM Cable, connect the processor end of the cable to your processor and the other end to the FM listening system.

Figure 16: FM listening system end (1) and processor end (2) of the FM Cable

- Cochlear™ Nucleus® CP800 Series Freedom™ Accessory Adaptor for connecting some audio accessories (FM Cables and Freedom Monitor Earphones) to your processor.

Figure 17: Freedom Accessory Adaptor

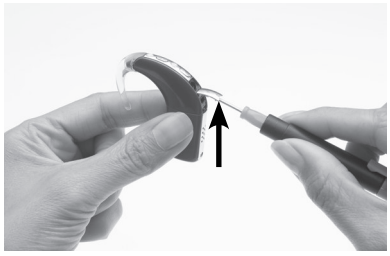
Only use audio accessories supplied by Cochlear. All CP800 series accessories are compatible with the CP810 sound processor. Certain accessories may not be available in all countries. Please contact your clinician or local Cochlear office for confirmation.

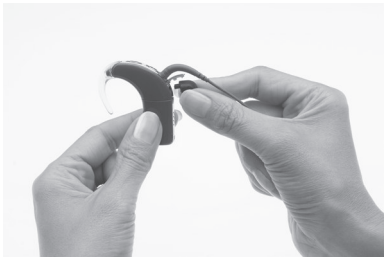
You may also want to try commercially available assisted listening devices (e.g. FM systems). For more information, contact your clinician.

Connecting and disconnecting audio accessories

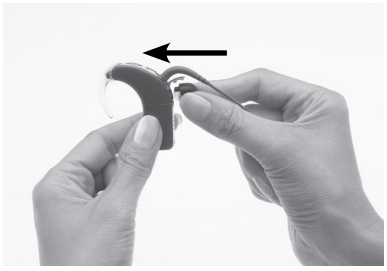
All CP800 series audio accessories connect directly to your processor. Freedom accessories can be connected to the Freedom Accessory Adaptor.

To connect an audio accessory to your processor:





1. Carefully lift the accessory socket cover of your processor with a screw driver.
2. Place your fingers over the finger grips on the audio accessory cable.
3. Align the audio accessory connector with the accessory socket.



4. Gently push the audio accessory connector into the accessory socket.

To connect a Freedom accessory using the Freedom Accessory Adaptor:

1. Connect the audio accessory to the Freedom Accessory Adaptor. Ensure that you connect the audio accessory to the Freedom Accessory Adaptor before connecting it to your processor.
2. Connect the other end of the Freedom Accessory Adaptor to the processor accessory socket.

To use the Mains Isolation Cable:

1. Connect the Personal Audio Cable or the Bilateral Personal Audio Cable to your processor.
2. Connect the Mains Isolation Cable to the Personal Audio Cable or the Bilateral Personal Audio Cable.
3. Plug the other end of the Mains Isolation Cable into the mains powered sound source, e.g. TV.

Figure 18: Mains powered sound source end (1) and Personal/Bilateral Personal Audio Cable end (2) of the Mains Isolation Cable

When you connect an audio accessory, your processor automatically detects it. When you are not using the audio accessory, you can disconnect it from the processing unit.

To connect the Freedom Monitor Earphones:

1. Ensure that your processor is turned on.
2. Connect the Freedom Monitor Earphones to the Freedom Accessory Adaptor.
3. Lift the accessory socket cover of your processor and connect the other end of the Freedom Accessory Adaptor to the accessory socket.
4. If you wish to test an accessory, connect it to the Freedom Monitor Earphones.

Changing from an audio accessory to microphones

You can change from using an audio accessory to using the microphones only, while leaving the audio accessory attached.

To change from using an audio accessory to using the microphones, press the upper button. A single long flash of green confirms that the microphones are enabled.

Changing from microphones to audio accessory

To change back from using the microphones to using the audio accessory, press the upper button again. A single long flash of green confirms that the audio accessory is enabled.

General warnings and precautions for the use of audio accessories

- Always use the Mains Isolation Cable when connecting the Personal Audio Cable or the Bilateral Personal Audio Cable to:
  - A mains powered sound source (e.g. TV).
  - A battery powered sound source connected to mains power (e.g. while connected to a PC for charging).
- The Freedom Accessory Adaptor is a small part and can be a choking hazard if swallowed. Cochlear does not recommend the use of this part by children aged three years or younger.
- When using audio accessories, your processor will not be protected from water or dust penetration. For information on how to protect your processor from water and dust penetration, see *Caring for your processor*.
- Do not use excessive force when connecting or disconnecting audio accessories.
- Do not twist the accessory socket cover or pull or bend it too hard.

Using sound processor covers

You can use sound processor covers to personalise your processor. They can also help protect your processor from scratches. Sound processor covers are available from Cochlear in a choice of colours and designs to suit different lifestyles.

Attaching sound processor covers

To attach a sound processor cover to your processor:

1. Hold your processor in one hand and the sound processor cover in the other hand as shown.

2. Gently slide the sound processor cover upwards until it fits into place.

Sound processor covers cannot be used with the Compact Rechargeable Battery Module or the Snugfit.

Removing sound processor covers

To remove the sound processor cover from your processor:

1. Hold your processor as shown.

2. Slide the sound processor cover away from your processor. Pushing on the bottom of your processor with the thumb will help slide the cover away from your processor.

Caring for your processor

Your processor is a medical device requiring good care and maintenance to ensure that it provides optimal hearing performance. This section provides guidance on how to take care of your processor.

Wearing your processor in cold or hot temperatures

Your processor is designed to work in cold or hot temperatures. Generally, in cold temperatures your body heat is sufficient to keep your processor warm and working well. In very cold weather, wear a hat or headband over your processor.

When you are not wearing your processor, do not leave it in very hot areas (e.g. in direct sunlight, behind a window, in a car, etc.).

For information on operation and storage temperatures for your processor, see *Technical information, Environmental Conditions*.

Protecting your processor from dust and water damage

To protect your processor from dust and water damage, it is important that you follow the guidance provided in this section.

When using a rechargeable battery module, your processor has a dust and water damage protection rating of IP57. This protects the processor against the following:

- Penetration of solid foreign objects greater than or equal to 1.0 mm diameter.
- Failure from dust penetration.
- Failure from temporary immersion in water.

When using the standard battery module (disposable batteries), your processor will have a protection rating of IP44. This protects the processor against the following:

- Penetration of solid foreign objects greater than or equal to 1.0 mm diameter.

- Failure from splashing water.

When an audio accessory is attached, your processor is not protected from dust and water damage.

To protect your processor from dust or water damage:

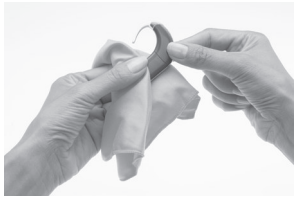
- Ensure that microphone protectors are in place at all times.
- Ensure that the accessory socket cover is properly closed when you are not using an audio accessory.
- Ensure that the coil cable plug seal is not damaged and that the coil cable plug is properly inserted into the processor coil cable socket.
- Always keep the coil cable plugged into the processor to prevent moisture getting into the coil cable socket. It is also important that you keep the coil cable plugged into the coil.
- If the battery contacts on the battery module become loose, contact your clinician as the connector between the processing unit and the battery module could be broken.

Drying your processor

Remove your processor before applying cosmetics, skin care or hair products. These substances can get into your processor and damage it. If this happens, wipe the processor clean with a soft dry cloth.

Do not wear your processor while bathing, swimming or showering. If the processor does get wet, dry the processor as follows:

1. Wipe your processor with a soft dry cloth.



2. Place your processor in the Zephyr Dry & Store® for at least 12 hours.

The Zephyr Dry & Store helps remove moisture from your processor. Before using this dry aid kit, read the manufacturer's instructions for use. It is recommended to only use the Zephyr Dry & Store supplied by Cochlear.

Figure 19: Zephyr Dry & Store

If your processor gets exposed to salt water or chemicals, wipe it with a damp cloth before placing it in the Zephyr Dry & Store.

Avoid getting sand or dirt into any part of the system. If this happens:

1. Shake out the sand or dirt as much as possible.
2. Wipe your processor with a damp cloth.
3. Place the processor in the dry aid kit.

Once your processor is dry, check if it is working. If your processor is not working, return it to your clinician for service. Cochlear cannot guarantee that they will be able to repair any water-damaged part.

Cleaning your processor parts

Regular cleaning of your processor parts prevents dirt from building up and degrading the sound quality. You can clean your processor parts as follows:

- Regularly check the contacts between the processing unit and the battery module to ensure they are clean. If the contacts are dirty, you can gently tap or blow on them to remove any dirt.
- If the battery module is dirty, wipe it with a soft dry cloth. Keep the battery module dry and free from moisture.
- If the earhook is dirty, clean it with a soft dry cloth. You do not need to remove the earhook from the processing unit when

cleaning it. If you remove the earhook too often, it may become loose.

- Clean the coil cable with a dry cloth.
- Clean sound processor covers and the Snugfit with a soft dry cloth.
- If audio accessories are dirty, clean them with a soft dry cloth. You can blow on the processor accessory socket to remove any dust.

Replacing microphone protectors

A dirty or blocked microphone protector results in the gradual deterioration of sound quality.

Replace the microphone protectors if you notice degradation in the sound quality, or if the protectors look dirty. It is generally a good idea to replace microphone protectors approximately once a month. Replace both microphone protectors at the same time.

Cleaning the battery charger

If you notice any dust or dirt in the battery charger sockets, clean them as follows:

1. If the battery charger is plugged into the power adaptor, unplug it.
2. Remove any battery modules placed in the charger.
3. Hold the battery charger upside down and tap on it to remove any dirt from the battery charger sockets. Gently blowing on the battery charger sockets may also help remove dirt.
4. Wipe the battery charger sockets with a soft dry cloth.

If the battery charger gets splashed with liquid, shake out the liquid and dry it for approximately 24 hours. Do not use the battery charger until it is dry.

For a more even wear of battery charger sockets, cycle batteries in different sockets when recharging batteries.

Storing your processor when not in use

Moisture or humidity may cause your processor to cut-out or stop working.

Store your processor overnight or when you are not using it, in the

Zephyr Dry & Store. The coil, coil cable, coil magnet and battery module (if it is not being charged) should remain attached to the processing unit. Turn off your processor before placing it in the Zephyr Dry & Store.

Using the Everyday Case

You can use the Cochlear™ Nucleus® CP800 Series Everyday Case for carrying your processor with you (e.g. when travelling). It is light and easy to carry, and has the flexibility to fit all components (e.g. coil, earhook, etc.). It has an air cushion for holding the components in place. A desiccant (drying chemical) is provided, allowing the case to be used as a dry aid kit for removing moisture from your processor.

General warnings and precautions for the use of your processor

Please read the following warnings and precautions before using your processor:

- Your processor, accessories, battery charger and tools contain small parts that may be hazardous if swallowed, or may cause choking if ingested or inhaled. If this occurs, seek prompt medical attention at the nearest emergency centre or Poisons Information Centre (e.g. if coil magnet is swallowed, seek prompt medical attention).
- Using the cables or parts of your processor in any way contradictory to their intended purpose (e.g. chewing) can cause injury.
- If your processor earhook hooks onto any part of your body, it may cause injury.
- Wearing a tight-fitting hat over the coil can cause skin damage beneath the coil.
- Do not remove the battery module from the processing unit while wearing the processor as your hair can get caught in the battery contacts.
- When operating machinery, ensure that the coil is securely in place to avoid the coil getting caught in the machine.

- Remove your processor immediately if it becomes unusually warm or hot, and seek advice from your clinician. Parents and caregivers should touch their child's or recipient's processor to check for heat if the child or recipient is showing signs of discomfort.
- Do not wear your processor while sleeping, as you may not become aware of your processor becoming unusually warm or hot.
- Do not allow children or recipients with disabilities to wear their processor while sleeping.
- When using retention aids such as the Snugfit or LiteWear cable, be aware that it may take longer to remove the processor if the processor becomes unusually warm or hot. Do not attach the LiteWear cable beneath layers of clothing.
- Ensure all cables used by a child are securely attached to their body.
- Keep the drying chemical material away from young children. Swallowing this material can cause serious internal injuries.
- Do not place your processor in an oven (e.g. microwave oven).
- Do not use a drying aid that has an Ultra Violet C (UVC) lamp (e.g. Freedom Dry and Store).
- Store spare magnets safely and away from cards that may have a magnetic strip (e.g. credit cards, bus tickets, etc.)

Disposal of electrical components

Dispose of electrical components in accordance with your local regulations.

Other information

Your warranty and registration form

Your warranty is included in the document pack you received with your processor.

Please complete the registration form and return to Cochlear within 30 days of receiving the product.

For future reference, keep the CP810 Sound Processor User Guide in a safe place.

Storing your personal details

Your processor stores your first name, last name, implant type, program identifier and recipient identifier.

This allows you to:

- Attend another clinic for programming if needed.
- Identify your processor as your own.

When the clinician opens your programming session, they have access to this information. This information can only be accessed in a programming session.

Processor serial number

Your processor serial number is located on the inside curve of the processing unit. Make a note of the serial number for future reference.

Technical information

Specifications

Physical configuration

The CP810 Sound Processor is a modular device, made of three parts: the processing unit, battery module and coil. The complete device sits behind the ear during normal operation, with the coil aligned over the implant.

The processing unit comprises:

- Two omni-directional microphones for receiving sound.
- An internal telecoil for receiving magnetic fields radiated by phones, neckloops and roomloops (optimised for phone use).
- Custom analogue and digital integrated circuits with digital signal processing (DSP) and bi-directional wireless communication capabilities.
- A dual-colour light emitting diode (indicator light) for visual indication of processor function or processor problem.
- Two push-buttons to allow user control of key features.
- Custom 4-pin accessory connector for connection of audio accessories (e.g. Personal Audio Cable).
- Custom 4-pin coil connector for connection of the coil cable.
- A range of earhooks.

The batteries provide power to the processor. The following options are available for powering the processor:

- Two disposable batteries.
- Rechargeable battery module.

The coil acts as a transformer coupling that transfers energy and data information to the implant. It is connected to the processing unit by the coil cable. The coil cable is a separate cable, which can be detached from both the coil and the processing unit. It is connected to both the coil and the processing unit by custom 4-pin connectors. The connection forms a seal to prevent moisture ingress.

Materials

- Processing unit is made of polyester.
- Battery modules (all types) are made of polyester.
- Coil is made of elastomer. The coil cable is made of polypropylene, elastomer and PVC.
- LiteWear Cable is made of polyester, elastomer and PVC.
- LiteWear Retention Case is made of polyamide.

- LiteWear Fixing Aids are made of polycarbonate.

Product component dimensions

Component	Length	Width	Depth	External diameter
Processing unit	23 mm	9 mm	19 mm	
Standard battery module	28 mm	9 mm	19 mm	
Compact rechargeable battery module	19 mm	9 mm	19 mm	
Standard rechargeable battery module	28 mm	9 mm	19 mm	
Coil			8 mm	32 mm

Weight

Component	Weight
Processing unit (including earhook)	5.5 g
Standard battery module with batteries	7.5 g
Compact rechargeable battery module	5.4 g
Standard rechargeable battery module	10.7 g
Coil (without coil magnet)	4.2 g

Operating characteristics

Processing unit

Characteristic	Value / range
Frequency range	100 Hz to 8 kHz
Operating voltage	2 V to 4.5 V
Power consumption	20 mW to 100 mW

Characteristic	Value / range
Push-button functions	Turn processor on and off, turn telecoil on and off, change program, lock and unlock buttons, change sensitivity or volume level.

Battery module

Type	Capacity / voltage range
Standard battery module	Refer to battery manufacturer's specifications.
Compact rechargeable battery module	120 mAh / 3.0 V to 4.2 V
Standard rechargeable battery module	205 mAH / 3.0 V to 4.2 V

Coil

Characteristic	Value / range
Operating voltage	2.0 V to 2.6 V
Operating frequency	5 MHz

Environmental conditions

Processing unit, coil, coil cable and accessories

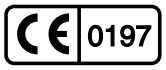
Condition	Minimum	Maximum
Storage temperature	-40 ºC	+50 ºC
Storage relative humidity	0% RH	90% RH
Operating temperature	+5 ºC	+50 ºC
Operating relative humidity	0% RH	90% RH

Standard battery module

Check the battery manufacturer's recommended operating conditions for disposable batteries used in your processor.

Certification and applied standards

The CP810 sound processor fulfils the essential requirements listed in Annex 1 of the EC directive 90/385/EEC on Active Implantable Medical Devices as last amended by EC Directive 2007/47/EEC. It was approved for CE-Mark according to Annex 2 by Notified Body 0197 in 2009.



Equipment classification

Your processor is internally powered equipment Type B as described in the international standard IEC 60601-1:1988 + A1:1991 + A2:1995 - Medical Electrical Equipment Part 1: General Requirements for Safety.

IP rating of processor

The IP rating of your processor is as described in the section *Caring for your processor.*

FCC (Federal Communications Commission) and Canadian IC compliance

This device complies with part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications made to this equipment not expressly approved by Cochlear Limited may void the FCC authorization to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment

does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

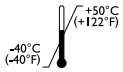
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC ID: WTOCP81000

IC: 8039A-CP81000

Labelling symbols

The symbols below are found on your processor components and packaging:

Symbol	Meaning
	See Instructions
	Refer to warnings and cautions in related user documentation
	Fragile
	Storage Temperature Limits
	Relative Humidity Limits

Symbol	Meaning
IP57	Ingress Protection Rating • Protected against access of solid foreign objects greater than or equal to 1.0 mm diameter. • Protected against failure from dust penetration. • Protected against failure from temporary immersion in water.
IP44	Ingress Protection Rating • Protected against access of solid foreign objects greater than or equal to 1.0 mm diameter. • Protected against failure from splashing water.
CE 0197	CE Registration Mark
CE	CE Registration Mark Certification - Europe
	Disposal - do not dispose in fire
	Disposal – dispose of electrical components in accordance with your local regulations
A01-0800JP	Certification - Japan
N629	Certification - Australia
TELEPERMIT PTC 210 / 99 / 012	Certification - New Zealand
SN	Serial number
	Date of manufacture
	Type B Equipment

Symbol	Meaning
Rx Only	This device restricted to sale by or on the order of a physician
	• Mixed Sources - Product group for well managed sources and other controlled sources. • FSC certification only applies to cardboard packaging.
CP810 Sound Processor Cochlear Limited 14 Mars Road, Lane Cove NSW 2066, Australia Made in Australia	Product label information for the sound processor

Legal statement

The statements made in this guide are believed to be true and correct as of the date of publication. However, specifications are subject to change without notice.

Nucleus® cochlear implant systems are covered by one or more international patents.

Glossary

Accessory socket	Four-pin connector to attach accessories to the processing unit.
Accessory socket cover	Cover that protects the accessory socket.
Advanced user interface	Allows you to use the processor buttons to perform the following functions: • Turn your processor on and off. • Change your current program. • Turn telecoil on and off. • Lock and unlock processor buttons. • Change microphone sensitivity and volume.
Alert	Indicates a processor error or warning.
Audio accessories	Used to help optimise hearing in different listening situations.
Auto Telecoil	Automatically turns on/off the telecoil when using the phone or when you are in a roomloop environment.
Battery Module	Powers the sound processor. The processor can be powered by either a standard battery module or a rechargeable battery module.
Cochlea	The auditory portion of the inner ear, which the implant stimulates to create hearing.
Cochlear™ Nucleus® CP800 Series Battery Charger	Used to recharge the sound processor rechargeable batteries and/or your remote assistant.

Cochlear™ Nucleus® CP800 Series Bilateral Personal Audio Cable	Connects a battery-powered sound source to two sound processors (bilateral use).
Cochlear™ Nucleus® CP800 Series Everyday Case	A small case for carrying the processor.
Cochlear™ Nucleus® CP800 Series Freedom™ Accessory Adaptor	Connects accessories such as FM cables and Freedom™ Monitor Earphones to the sound processor.
Cochlear™ Nucleus® CP800 Series Global Power Adaptor	Connects the CP800 Series Battery Charger to mains power.
Cochlear™ Nucleus® CP800 Series Lapel Microphone	Improves hearing performance in noisy environments.
Cochlear™ Nucleus® CP800 Series LiteWear Cable	Attaches the processing unit to the LiteWear wearing option.
Cochlear™ Nucleus® CP800 Series LiteWear Case	Protects and holds the battery module securely when using the LiteWear wearing option.
Cochlear™ Nucleus® CP800 Series LiteWear Fixing Aid	Attaches the LiteWear Case to your clothing.
Cochlear™ Nucleus® CP800 Series LiteWear wearing option	Allows the battery module to be attached to the body.
Cochlear™ Nucleus® CP800 Series Mains Isolation Cable	Provides electrical protection when connecting the Personal Audio Cable or the Bilateral Personal Audio Cable to a mains-powered sound source.
Cochlear™ Nucleus® CP800 Series Personal Audio Cable	Connects a battery-powered sound source to a single sound processor.
Cochlear™ Nucleus® CP800 Series Rechargeable Battery Module	This is the rechargeable battery.

Cochlear™ Nucleus® CP800 Series Standard Battery Module	Holds two disposable batteries. The Standard Battery Module consists of a battery holder and a battery cover.
Cochlear™ Nucleus® CP800 Series Snugfit™	Holds the processing unit more securely behind the ear.
Cochlear™ Nucleus® CP810 Sound Processor	Used together with a cochlear implant to transfer sound to the cochlea.
Cochlear™ Nucleus® CP800 Series Tamper Resistant Battery Cover	Allows the battery cover to be locked to the battery holder. This prevents children from detaching the battery cover from the battery holder.
Coil	Part of the sound processor that lies on the side of the head. The processing unit transfers the digitally coded sound through the coil to the implant just under the skin.
Coil cable	The cable that attaches the coil to the processing unit.
Coil magnet	Holds the coil in place over the implant.
CP810 Sound Processor	See Cochlear Nucleus CP810 Sound Processor.
CR110 Remote Assistant	A hand-held remote control that enables you to communicate with your Cochlear Nucleus CP810 sound processor. It also provides diagnostic and troubleshooting assistance.
Earhook	Secures the processor to the ear. The earhook is attached to the processing unit.
Everyday program	Ideal for the typical listening situations of everyday life.
FM Cable	Used to send sound signals from a commercially available FM listening system to the sound processor.

Focus program	Useful where there is significant background noise, but the focus is on hearing what one person or a small group of people are saying.
Freedom Monitor Earphones	See Monitor Earphones.
Implant	An implanted electronic device that bypasses the damaged hair cells in the inner ear or cochlea and stimulates the hearing nerves directly. It consists of a receiver stimulator and electrode array.
Indicator light	A dual-colour light emitting diode. It provides a visual indication when you perform a function, or when there is a problem with the processor.
IP44	This is the ingress protection rating of the CP810 Sound Processor when using disposable batteries. For more information, see ***Protecting your processor from dust and water damage***.
IP57	This is the ingress protection rating of the processor when using the rechargeable battery module. For more information, see ***Protecting your processor from dust and water damage***.
Microphones	Capture sound for coding by the processing unit.
Microphone protectors	Protect the microphones from dirt and moisture.
Microphone Sensitivity	Controls the softest level of sound picked up by the microphones.

Monitor Earphones	For use by a person with unaided hearing to check that sound is being received by the processor microphones, telecoil or an audio accessory.
Music program	Used to listen to all types of music from any audio source.
Noise program	Suitable for environments with significant background noise, improving the audibility of wanted sound from all sides.
Nucleus®	Nucleus is the brand name to reference the category of Cochlear Implant Hearing Solutions from Cochlear Limited.
Press	The action of pressing a button on the sound processor.
Private tone	You hear a tone when you perform a function, or when there is a problem with your processor.
Processor	See sound processor.
Processing unit	Component of the processor where sound signals are encoded for transfer to the implant.
Program	Settings that determine how a processor converts environmental sound into channel stimulation data for the recipient's electrode array. Up to four programs are available for your use, depending on how your clinician programmed your processor.
Sensitivity	Determines the minimum input signal level required for stimulation.

Simple user interface	Allows you to use the processor buttons to perform the following functions: • Turn your processor on and off. • Change your current program. • Turn telecoil on and off. • Lock and unlock processor buttons.
SmartSound™	SmartSound is a suite of four input sound processing technologies. These technologies are applied to four available programs, providing control over how sound is processed in different listening environments.
Sound processor	Captures and codes sound which is then transferred through the coil to the cochlear implant. It consists of a processing unit, battery module, earhook, coil and coil cable.
Sound processor cover	Personalises the sound processor. Covers can also be used to protect the sound processor from scratches.
Telecoil	An in-built antenna that receives signals from a telephone, a room fitted with an induction loop, or personal induction loop, such as a neckloop or cushion loop (commercially available).
Volume	The volume controls your perception of loudness.
Zephyr Dry & Store®	Unit that helps remove moisture from the sound processor.

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