Kanso® 2 Sound Processor

User Guide





About this guide

This guide is intended for cochlear implant recipients and their carers who use the Kanso® 2 Sound Processor (model number: CP1150).

The sound processor works with your implant to transfer sound to your ear. The Kanso 2 contains a processing unit, microphones, coil, magnet and internal battery.

You can control your sound processor by using the Nucleus® Smart App ('app') or a Cochlear™ Remote Control. For more information on using the app or remote please refer to their user guides.



- •Refer to the Cautions and Warnings sections for safety advice relating to the use of the Kanso 2 Sound Processor, accessories and components.
- Please also refer to your Important Information document for essential advice that applies to Cochlear implant systems.

Symbols used in this guide



Note

Important information or advice.



Tip

Time-saving hint.



Caution (no harm)

Special care to be taken to ensure safety and effectiveness. Could cause damage to equipment.

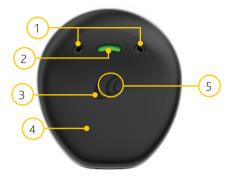


Warning (harmful)

Potential safety hazards and serious adverse reactions. Could cause harm to person.

Kanso® 2 Sound Processor

Front



- 1 Microphone ports
- 2 Indicator light
- 3 Cochlear logo
- 4 Cover
- 5 Tap interface



- 1 Magnet
- 2 Socket cover

Intended purpose

The following devices work together as part of the hearing implant system:

Devices	Intended purpose
Kanso® 2 Sound Processor (Model: CP1150)	The sound processor is intended to be used in combination with other devices as part of a hearing implant system to provide hearing sensation. The sound processor converts sounds into electrical signals, which it sends to an implant. The sound processor also provides power to the implant.
Cochlear [™] Nucleus [®] Kanso [®] Magnet (all strengths, types, and colours)	The magnet is intended to align and hold the coil or processing unit to a hearing implant.
Cochlear SoftWear [™] Pad	The SoftWear Pad provides a cushioned surface to the surface of the processing unit or coil.
Cochlear [™] Headband	The headband is intended to be used to assist with wearing the sound processor as part of a hearing implant system.

Indications

The Kanso 2 Sound Processor is indicated for a recipient with a compatible Cochlear Nucleus implant. The Kanso 2 Sound Processor is compatible with the following Cochlear Nucleus implants:

- CI600 Series Implants: CI612, CI622, CI624, CI632
- CI500 Series Implants: CI512, CI513, CI522, CI532, CI551, ABI541
- CI24RE Series Implants: CI422, CI24RE (CA), CI24RE (ST), CI24RE (CS), CI24REH (Hybrid L24), CI8REH (Hybrid S8), CI12REH (Hybrid S12)
- CI24R Series Implants: CI24R (CA), CI24R (CS), CI24R (ST)
- CI24M Series Implants: CI24M, ABI24M, CI 11+11+2M, CI24MH (CI 6+16+2M).

Cochlear Nucleus Kanso Magnet (all strengths, except (I) magnets)

The Cochlear Nucleus Kanso Magnet (all strengths, except (I) magnets) is indicated for use with the Kanso 2 Sound Processor with a compatible Cochlear Nucleus implant.

Compatible Cochlear Nucleus implants are:

- CI500 Series Implants: CI512, CI513, CI522, CI532, CI551, ABI541
- CI24RE Series Implants: CI422, CI24RE (CA), CI24RE (ST), CI24RE (CS), CI24REH (Hybrid L24), CI8REH (Hybrid S8), CI12REH (Hybrid S12)
- CI24R Series Implants: CI24R (CA), CI24R (CS), CI24R (ST)
- CI24M Series Implants: CI24M, ABI24M, CI 11+11+2M, CI24MH (CI 6+16+2M).

Cochlear Nucleus Kanso Magnet (all (I) strengths)

The Cochlear Nucleus Kanso Magnet (all (I) strengths) is indicated for use with the Kanso 2 Sound Processor with a compatible Cochlear Nucleus implant.

Compatible Cochlear Nucleus implants are:

CI600 Series Implants: CI612, CI622, CI624, CI632.

Cochlear SoftWear Pad

The Cochlear SoftWear Pad is indicated for use with the Kanso 2 Sound Processor.

Cochlear Headband

The Cochlear Headband is indicated for use with the Kanso 2 Sound Processor.

Contraindications

The Kanso 2 Sound Processor is not indicated for use with hearing implants other than those listed in *Indications*.

Cochlear Nucleus Kanso Magnet

The Cochlear Nucleus Kanso Magnet is not indicated for use with sound processors or hearing implants other than those listed in *Indications*.

Cochlear SoftWear Pad

The Cochlear SoftWear Pad is not indicated for use with sound processors other than those listed in *Indications*.

Cochlear Headband

The Cochlear Headband is not indicated for use with sound processors other than those listed in *Indications*.

Intended patient population

The Kanso 2 Sound Processor is intended for patients implanted with a compatible Cochlear Nucleus implant. There are no restrictions for the intended patient population of the sound processor in terms of age, weight, health or other condition

Benefits

The Kanso 2 Sound Processor operates in conjunction with a compatible Cochlear Nucleus implant system. Potential benefits of receiving a Cochlear Nucleus implant system include:

- better understanding of speech in quiet
- better understanding of speech in noise
- increased satisfaction based on hearing capabilities.

Intended users

Intended users of the Kanso 2 Sound Processors and accessories are:

- · Recipients of a compatible Cochlear Nucleus implant.
- Carers of recipients, who carry out recipient functions as needed. Carers may include parents of paediatric recipients who are less than 12 years old, and nurses or other carers of otherwise dependant recipients.
- · Audiologists and clinicians.

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Charge your sound processor

Your sound processor has an internal battery that needs regular charging.

Please charge your sound processor as soon as you receive it.

To recharge your sound processor's internal battery you can:

- place it in the Cochlear™ Home Charger or
- attach it to the Cochlear™ Portable Charger.

Refer to the Cochlear Chargers User Guide for details.



. To charge your sound processor:

- Use Cochlear equipment only.
- Do not use non-Cochlear equipment.





Notes

Pair with remote devices

Before using your sound processor with a compatible Apple® or Android™ device, or the Cochlear Remote Control, you need to pair your sound processor with the remote device

Please refer to the app or remote user guides for details.



Warning

Consider security when connecting your sound processor to devices such as smartphones or tablets. Only connect to devices that are protected, for example, password or PIN access control. Do not connect to devices that have had their operating system altered.

Made for iPhone

Your Kanso 2 Sound Processor is a Made for iPhone® / iPod® / iPad® hearing device. This allows you to use the control and audio streaming functions of compatible Apple devices



If you wear a sound processor on both ears, to reliably control your sound processors, use the Nucleus® Smart App instead of the Made for iPhone Accessibility Shortcut menu on your compatible Apple device.

If you wear a sound processor on one ear and a compatible hearing aid on the other, you can control them both and stream audio to both using a compatible Apple device. Your clinician can check compatibility and set this up for vou.

Android

Your Kanso 2 Sound Processor is compatible with the ASHA (Audio Streaming for Hearing Aid) protocol. This allows you to use the audio streaming functions of compatible Android devices.

Nucleus Smart App

With a compatible Apple or Android device, you can use the Nucleus Smart App to control and monitor your sound processor. Please refer to your app user guide for details.

Control options

The table below compares the three ways you can control your sound processor.



Note
Some functions are only available if enabled by your clinician.

FUNCTION	TAP PROCESSOR	remote control	NUCLEUS SMART APP
Turn ON/OFF	Χ		
Program		Χ	Χ
Volume		Х	X
Sensitivity		Х	X
Audio Source		Χ	X
Master Volume Limit			Х
Bass / Treble			Х
ForwardFocus			Х

Tapping

You can tap on your sound processor to turn the sound processor **on** and **off**.

How to tap

- Tap on the Cochlear logo.
- Use quick, firm taps don't press.



Tip

You can tap your sound processor while it is on or off your implant.

CONTROL	NUMBER OF TAPS
Turn ON	Double-tap – 2 taps
Turn OFF	Triple-tap – 3 taps
Flight mode	Refer to <i>Use flight mode on</i> page 45

Turn on and off

Turn on

To turn your sound processor **on**:

- Auto-on place sound processor on your head or
- Double-tap (2 taps quick and firm).



As the sound processor turns on, the light flashes green.

'Turn off' – next page ...

Turn off

To turn your sound processor off:

 Auto-off – remove it from your head and wait two minutes (if enabled by your clinician)

or

• Triple-tap (3 taps – quick and firm).



As the sound processor turns off, the light changes to steady orange.

INDICATOR LIGHTS	WHAT IT MEANS
Green flashes	Turning on sound processor. The number of flashes indicates the number of the current program.
Quick green flashes	Sound processor flashes while receiving sound from microphones (Child mode only).
Orange flashes	Sound processor is off the implant.
	Sound processor is turning off.
Long flash of orange	

Change program

You can select different programs to change how your sound processor deals with sound, for example in noisy or quiet places.

To switch between **programs**, use your app or remote.

Please refer to your app or remote user guide for details.



Note

You need to pair your sound processor with your app or remote first. Refer to their user guides for details.

As the program changes, the light flashes green.

INDICATOR LIGHT	WHAT IT MEANS
Green flashes	Changing the program. The number of flashes indicates the number of the selected program.



Note

- Your clinician will set up 1, 2, 3 or 4 programs.
- If your clinician has enabled SCAN, your sound processor can automatically respond to the sound environment without you needing to change program.

Change volume and sensitivity

If set up by your clinician, you can control volume or sensitivity levels (if available) using your app or remote.

Please refer to your app or remote user guide for details.



You need to pair your sound processor with your app or remote first. Refer to their user guides for details.

Stream audio

Your sound processor can stream sound from external audio sources.

Wireless accessories

Cochlear True Wireless™ Accessories can wirelessly stream sound to your sound processor:

- The Mini Microphone or TV Streamer are controlled from your app.
- You use the Phone Clip controls for phone calls.

The **Mini Microphone 2+** has extra connectivity options including and a built-in **Telecoil** to provide audio from an induction loop system.



Note

- You first need to pair your wireless accessories with your sound processor. Please refer to accessory user guides for details.
 - Use your app or remote to select the Mini Microphone and TV Streamer. Please refer to the app and remote user guides for details.

To switch between **audio sources**, use your app or remote. Please refer to your app or remote user guide for details.



L Note

You need to pair your sound processor with your app or remote first. Refer to their user guides for details.

As the audio source changes, the light flashes blue.

Wear your sound processor

Place the sound processor on your implant with the:

- Cochlear logo, light and microphone ports facing up
- straight edge facing down.



Make sure you position your sound processor correctly to get the best performance, and so it does not fall off the implant.



INDICATOR LIGHTS

WHAT IT MEANS







Sound processor is off your head (or connected to the wrong implant).

People with two implants

Ask your clinician to give you coloured stickers (red for right, blue for left) to make identifying left and right sound processors easier.



If you have two implants, you must use the correct sound processor for each implant.

People with CI600 Series implants

If you have a CI600 Series implant, avoid sliding your sound processor sideways onto your implant. This could cause the sound processor magnet to misalign with your implant. Always place the sound processor down onto your implant.

To place the sound processor on your head:

- 1. Hold the sound processor slightly above the implant location on your head.
- 2. Rotate the sound processor slightly in both directions (clockwise and anti-clockwise).



- 3. When you feel a strong pull, place the sound processor on the implant.
- 4. Rotate the sound processor so that the microphones are facing up.

Notes

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Attach a SoftWear Pad

The Cochlear SoftWear Pad is optional. If you experience discomfort when wearing your sound processor, you can attach this adhesive pad to the back.



L Note

You may need to use a stronger magnet after attaching a SoftWear Pad

1. **Peel off** the single backing strip on the adhesive side of the pad.



2. Attach the pad to the back of the sound processor – press down firmly.



3. **Peel off** the two semicircle backing covers on the cushion side of the pad.



4. Place your sound processor on your implant as usual.



If you notice any change in your sound processor's performance after attaching a SoftWear Pad, contact your clinician.

Use the Socket Cover

The Cochlear™ Nucleus® Kanso® Socket Cover is an optional accessory that can prevent dust and other material from entering the sound processor socket.

Insert the Socket Cover

1. **Place** the Socket Cover in the sound processor socket.



2. Press until it clicks into place.



Remove the Socket Cover

Place your thumbnail in the slot at the base and **lift**.





Warning

Socket covers can be lost or may be a choking hazard. Keep out of reach of children.

Attach a Safety Line

To reduce the risk of losing your sound processor, you can attach a Cochlear™ Safety Line and clip it onto your clothing.

There are five Safety Lines for use with Kanso 2:

- Cochlear Safety Line (Short) for children
- Cochlear Safety Line (Long) for adults
- Cochlear Safety Line (Short Loop) for use with a hair clip
- Cochlear Safety Line (Short Double Loop) for use with a hair clip
- Nucleus Safety Line for use with Aqua+.



Warning

Parents and carers are advised that unsupervised use of long cables (for example, safety lines) may present a risk of strangulation.



When using the Cochlear™ Nucleus® Kanso® Aqua+ you need a Nucleus Safety Line, which has a loop to connect to Aqua+.



To attach a long or short safety line to the sound processor:

 If the socket cover is in place on the back of the sound processor, remove the socket cover.



2. Put the safety line connector in the socket and **press** until it clicks into place.





3. Attach the clip to clothing:

Long safety line (adults)

- a. **Lift** the lever to **open** the clip.
- b. Place the clip on clothing and press down on the lever to close.



Short safety line (children)

a. **Lift** the round cover to **open** the clip.



b. Place the clip on clothing and press **down** on the round cover to **close**.



4. **Place** the sound processor on the implant.

Safety Line – short loop or short double loop

To reduce the risk of losing your sound processor, you can attach a Safety Line that clips into your hair:



1. **Pinch** the loop end of the line between your finger and thumb.



2. Pass the loop through the attachment hole in the hair clip.

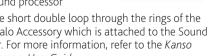


Tip

Use the left hole for a left side sound processor and the right hole for a right side sound processor.



- 3 Pass the other end of the line through the loop and pull the line tight.
- 4. Connect the other end of the Safety line:
 - attach the short loop directly to the sound processor
 - · attach the short double loop through the rings of the Kanso® Halo Accessory which is attached to the Sound Processor. For more information, refer to the Kanso Halo Accessory User Guide.



 If the socket cover is in place on the back of your sound processor, remove the socket cover.



6. Put the safety line connector in the socket and **press** until it clicks into place.



7. **Press up** on the ends to open the clip.



8. With the teeth facing up and against your hair, **push** the clip up into your hair.



9. **Press down** on the ends to close the clip.



10. Place your sound processor on your implant.

Remove a Safety Line

To remove a safety line from your sound processor:

place your thumbnail in the slot at the base and **lift**



or

hold the line close to the socket and **pull**.



Wear the headband

The Cochlear Headband is an optional accessory that holds the sound processor in place during physical activities.

Headband sizing

To choose a headband, measure your head circumference:

SIZE	CIRCUMFERENCE	SIZE	CIRCUMFERENCE
XS	40–48 cm	М	48–58 cm
S	45–53 cm	L	53–63 cm



Note

- The headband may affect your sound processor's performance.
 If you notice any change, contact your clinician.
- It is recommended to remove the headband at least once daily while sleeping. If worn continuously, the headband should not be worn without removal for more than 30 days.

Fitting the headband

To fit the headband, follow these steps.

1. Open the headband and lay it flat, with the anti-slip section facing you and the longer pocket lines at the top.



- 1 Hook and loop fastener
- 2 Pocket for sound processor
- 3 Anti-slip section for forehead

- 2. **Open** the correct **pocket** for your sound processor.
 - left-side pocket (blue) for left sound processor
 - right-side pocket (red) for right sound processor.
- 3. **Insert** your sound processor into the pocket, making sure that:
 - the back of the sound processor (with magnet) is facing towards you
 - the bottom of the sound processor (straight edge) goes in first.





- 4. If you have **two** sound processors, place your second sound processor in the other pocket.
- 5. **Place** the headband on your head, making sure that:
 - the anti-slip section is against your forehead
 - your sound processor is over your implant
 - the headband fits firmly
 - the hook and loop fastener join is secure (press firmly).



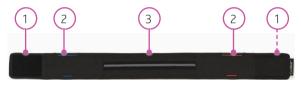
Fitting the headband with Portable Charger

You can charge your sound processor while it's in the headband using the Cochlear Portable Charger. At the base of each headband pocket there is an opening for the charger cable.

For more information on the charger, refer to the *Cochlear Chargers User Guide*.

To fit the headband with charger, follow these steps.

1. Open the headband and lay it flat, with the anti-slip section facing you and the longer pocket lines at the top.



- 1 Hook and loop fastener
- 2 Pocket for sound processor
- 3 Anti-slip section for forehead
- 2. **Open** the **base** of the correct **pocket** for your sound processor:
 - left-side pocket (blue) for left sound processor
 - right-side pocket (red) for right sound processor.



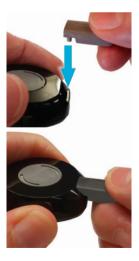
 Feed the Portable Charger connector and cable through the pocket's bottom opening and out through the top opening.



 If the socket cover is in place on the back of your sound processor, remove the socket cover.



Attach your Portable Charger connector to the sound processor.



 Insert your sound processor into the pocket, making sure that the back of the sound processor (with magnet) is facing towards you.



- 7. Attach the Portable Charger to your clothing.

 For more information on the Portable Charger, refer to the Cochlear Chargers User Guide.
- 8. **Place** the headband on your head, making sure that:
 - the anti-slip section is against your forehead
 - your sound processor is over your implant
 - · the headband fits firmly
 - the hook and loop fastener join is secure (press firmly).



Change the magnet

Use the Cochlear™ Magnet Tool to change your magnet.

If the Cochlear Nucleus Kanso Magnet is too weak your sound processor may fall off. If the magnet is too strong it may cause discomfort.

Magnet strength ranges from $\frac{1}{2}$ (weakest) to 6 (strongest) for standard magnets and $\frac{1}{2}$ (I) (weakest) to 5(I) (strongest) for '(I)' magnets.



L Note

If your clinician has given you a reverse polarity magnet, use it as described here for a standard magnet.

Remove the magnet

To remove the magnet from your sound processor:

 Place the tool on the magnet. Insert the tool ridges into the magnet grooves.



Turn the tool anti-clockwise and pull the magnet out.





Insert a magnet

To insert a magnet into your sound processor:

1. **Place** the tool on the magnet. Insert the tool ridges into the magnet grooves.



2. **Insert** the magnet into the sound processor.



3. **Turn** the tool **clockwise** until the magnet **clicks** into place.



4. **Remove** the tool from the magnet and store in a safe place.





Magnet Tools can be lost or may be a choking hazard. Keep out of reach of children.

Sport and exercise



If you want to use your sound processor while bathing, swimming or showering, ask your clinician about the Cochlear Nucleus Kanso Agua+.

- 1. Use accessories such as the Safety Line, Cochlear Headband or Kanso Halo Accessory to help hold your sound processor in place when you play sport or exercise. For more information on the Halo Accessory, refer to the Kanso Halo Accessory User Guide.
- 2. After exercise, wipe your sound processor with a soft cloth to remove sweat or grime.
- 3. Check your microphone protectors for dirt. Refer to Change the microphone cover on page 49.

Travel



L Note

Visit www.cochlear.com/clinic-finder to find the nearest clinic in places you are travelling.

- Take a printout from your clinician of your most recent program in case you need help with your sound processor.
- If you have a backup sound processor, check that it is programmed correctly and take it with you.
- You can move through metal detectors and full body scanners with your sound processor on.
- Ask your clinician for a Patient Identification Card/ Implant Card. In the unlikely event that your implant sets off a metal detector this card will help explain that you have an implanted medical device.
- If you need to remove your sound processor as you move through airport security, place it in a case in your hand luggage.
- Your sound processor transmits high frequency radio waves when switched on, and may need to be placed in a flight-safe mode during take-off and landing (refer to Use flight mode on page 45). Check with airline staff before flying if you are unsure.
- If you use a remote control for your sound processor, switch it off before take-off as it transmits high frequency radio waves when switched on.

Use flight mode

To switch your sound processor to flight mode:

- 1. **Remove** the sound processor from your head.
- 2. **Quadruple-tap** (4 taps, quick and firm) on the Cochlear logo.
- 3. Within **5 seconds**, place the sound processor back on your head



INDICATOR LIGHT	WHAT IT MEANS
Steady green	Sound processor enters flight mode. Green light stays on until the sound processor is placed on the implant.

To switch flight mode **off**, turn your sound processor off and on again. Refer to *Turn on and off* on page 17.

Notes

Regular care

Caution

- Do not use cleaning agents or alcohol to clean your sound processor.
- Turn your sound processor off before cleaning or performing maintenance.

Every day

- ✓ Check all parts and accessories (for example, SoftWear Pad, Safety Line) for dirt and moisture. Wipe the sound processor with a soft dry cloth.
- ✓ Keep your sound processor free from moisture by drying it every night in the Home Charger.
- ✓ Check the microphone protectors for signs of dirt or grime. Replace as needed. Refer to Change the microphone cover on page 49.

Every month

- ✓ Replace a used SoftWear Pad that is worn or damaged, or has accumulated dirt or moisture that cannot be wiped off. Refer to Attach a SoftWear Pad on page 27. If you have a comfort problem that is not helped by changing the SoftWear Pad, contact your clinician.
- ✓ Check used Safety Lines for signs of wear. Replace as needed. Refer to Attach a Safety Line on page 30.

Every three months

✓ Replace the microphone protectors – this is very important for the quality of sound. Refer to Change the microphone cover on page 49.

Every six months

✓ Charge the sound processor to ensure the internal battery does not deteriorate.

Headband care



Before cleaning your headband, remove the sound processor.

If the headband is dirty:

- Wash in cold water (machine or hand wash)
- · Do not bleach
- Do not tumble dry
- Iron on medium heat.

Wash the headband as needed or at least once a week if worn continuously.

Storage

Home Charger

Store your sound processor at night in the Home Charger provided by Cochlear.

Store the fully assembled sound processor overnight for optimal drying effect.



Refer to the Cochlear Chargers User Guide.

Change the microphone cover

Replace your Kanso 2 Microphone Cover every three months, or if your sound quality degrades or the microphone cavities contain dirt.

Microphone cavities



Caution

When the cover is removed, sensitive microphones are exposed. Do not touch the microphones – this could damage your sound processor.

Microphones



Replace the microphone cover

- 1. **Remove** the cover from your sound processor:
- a. Place your thumbnail in the slot at the base and lift firmly.



b. **Slide** your thumbnail around both sides to release the cover.





c. **Lift** the cover off.



2. **Place** the new cover on your sound processor.



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3. **Press** around the edge with your thumbs to make sure the cover is sealed.



Water, sand and dirt

Your sound processor is protected against failure from dust penetration and temporary immersion in fresh water.

With the Portable Charger attached, your sound processor is protected from dust penetration and fresh water splashing.

PARTS	rating	INGRESS PROTECTION
Kanso 2 Sound Processor only	IP68	Protected against access of solid foreign objects greater than or equal to 1.0 mm diameter.
		Protected against dust penetration.
		Protected against failure from continuous immersion in water up to 1 metre deep for up to 1 hour.
Kanso 2 Sound Processor with Portable Charger attached	IP54	Protected against access of solid foreign objects greater than or equal to 1.0 mm diameter.
		Protected against excessive dust penetration that could interfere with satisfactory operation.
		Protected against failure from splashing water.

However, it is still a precision electronic device so please take the following precautions.

Water

If your sound processor gets wet:

- 1. Dry it with a soft cloth.
- 2. Replace the microphone protectors. Refer to *Change the microphone cover* on page 49.
- 3. Place your sound processor in the Home Charger to dry. Refer to the *Cochlear Chargers User Guide*.

Sand and dirt

If sand or dirt enter the sound processor, carefully brush all indents and holes in the sound processor's casing.



Lights

Your clinician can set up your sound processor to show some or all of the following light indications.

Turning on and off

LIGHT	WHAT IT MEANS
Quick green flashes	Sound processor flashes while receiving sound from microphones (Child mode only).
Quick green flashes	Turning on and changing programs. Number of flashes indicates the number of the current program.
Quick green hashes	Turning off sound processor.
Long flash of orange	

Alerts

LIGHT	WHAT IT MEANS
Flash of orange every second	Sound processor flashes while it is off your head (or connected to the wrong implant).
Orange flashes	Sound processor battery is low. Charge the sound processor.
Steady orange	Fault. Contact your clinician. Stays on until the issue is resolved.

Audio sources

LIGHT	WHAT IT MEANS
Quick blue flash	Sound processor flashes when pairing to wireless accessory is successful.
Quick blue flashes	Sound processor flashes while receiving audio from an audio source (Child mode only).
Steady blue	Sound Check function in Nucleus Smart App is recording sound from your sound processor.

ForwardFocus *

LIGHT	WHAT IT MEANS
Quick green flash	Turning ForwardFocus on/off (Child mode only).

^{*} If available, Nucleus Smart App only

Beeps

Your clinician can set up your sound processor so you can hear the following beeps. The beeps are only audible to the recipient.

Turning on and off

BEEP	WHAT IT MEANS
Short high beeps	Changing the program. The number of beeps indicates the number of the selected program.
Short high beep	Changing volume or sensitivity level (if available).
Short high then short low beep	When changing volume or sensitivity, indicates upper or lower limit of volume/ sensitivity reached.

Wireless accessories

ВЕЕР	WHAT IT MEANS
3-tone chime	Connecting with wireless accessory to begin streaming audio.
	When stopping streaming.
Short beep	

Alerts

BEEP	WHAT IT MEANS
2 Short low beeps	Battery is low. Recharge your sound processor.
Short low beeps for 4 seconds	Battery is empty and sound processor is turning off. Recharge your sound processor.
4 long low beeps over 4 seconds	General fault or if Portable Charger attached, charging error. Consult your clinician.

Adjusting bass and treble *

BEEP	WHAT IT MEANS
Loud medium beep	Adjusting master volume level.
	Adjusting treble level.
Loud long high beep	
	Adjusting bass level.
Loud long low beep	

 $f{*}$ If available, app and remote only

ForwardFocus *

BEEP	WHAT IT MEANS
•	Turning ForwardFocus on/off.
Short high beep	

^{*} If available, Nucleus Smart App only

Sound Check *

BEEP	WHAT IT MEANS
11111	Begin recording.
5-tone chime	
	End recording.
Short beep	

^{*} App function to record sound processor sound

Notes

Troubleshoot

Contact your clinician if you have any concerns regarding the operation or safety of your sound processor.

PROBLEM	RESOLUTION	
Sound processor will not turn on	1. Try turning the sound processor on again. Refer to <i>Turn on and off</i> on page 17.	
	2. If you have two implants, check that you are wearing the correct sound processor on each implant.	
	3. If the problem continues, contact your clinician.	
The sound processor switches off	This is normal operation, as the sound processor automatically switches off when not connected to the implant for more than two minutes (if enabled by your clincian).	
You want to perform a regular check on your sound processor	Refer to <i>Regular care</i> on page 47.	
Sound processor does not attach as strongly as usual	Make sure the sound processor is oriented properly on your head. Refer to Wear your sound processor on page 23.	

PROBLEM	RESOLUTION
You are not sure what sound processor beeps or light flashes mean	Refer to <i>Lights</i> on page 53 and <i>Beeps</i> on page 55.
You want to confirm your sound processor is receiving sound	Check the light on the top of the sound processor (if enabled). Refer to <i>Lights</i> on page 53.
	If you have the Nucleus Smart App, use the Status screen to check the sound processor is receiving sound.
	 If you have the Nucleus Smart App, use Sound Check to record sound received by your sound processor. A hearing person can listen to the recording to check sound received by the sound processor. Refer to your app user guide for details.
	4. If the problem continues, contact your clinician.
The sound processor becomes hot	Remove the sound processor from your head immediately and contact your clinician.

PROBLEM RESOLUTIO

You experience tightness, discomfort or develop a skin irritation at your implant site

- Try using an adhesive SoftWear Pad. Refer to Attach a SoftWear Pad on page 27.
- If you are using a retention aid, such as a headband, this may be placing pressure on your sound processor. Adjust your retention aid, or try a different aid.
- Your sound processor magnet may be too strong. Ask your clinician to change to a weaker magnet and use a retention aid such as the Safety Line if required. Refer to Change the magnet on page 41.
- 4. If the problem continues, contact your clinician.

You do not hear sound or sound is intermittent

- 1. Try a different program.

 Refer to Change program on page 20.
- Make sure you are using the correct magnet for your implant. If unsure, contact your clinician.
- 3. If you use the Remote Control, turn up the volume.
- 4. If you have the Nucleus Smart App, turn up the volume or sensitivity.
- Make sure the sound processor is properly oriented on your head. Refer to Wear your sound processor on page 23.
- 6. If the problem continues, contact your clinician

PROBLEM RESOLUT

You do not hear sound from a wireless accessory

- Interference from nearby electrical devices can sometimes disrupt streaming from a wireless accessory. Try moving away from any device that might be causing this interference.
- 2. Check that the wireless accessory is charged and turned on.
- 3. Check that the wireless accessory is paired with your sound processor.
- 4. Check the volume of the wireless accessory.
- If you have the Nucleus Smart App, use the Status screen to check the sound processor is receiving sound from the accessory.
- If you have the Nucleus Smart App, check and adjust the accessory/microphone volume.
- 7. If available, try a different sound processor.
- 8. For more troubleshooting, refer to the *True Wireless Accessories User Guide*.

PROBLEM	ESOLUTION	
You hear intermittent sound, a buzzing sound or distorted speech	Check for sources of interferer radio and TV transmission too approximately 1.6 km or 1 mil shopping centre or airport sec systems, and mobile phones.	vers (within e),
	Try moving away from any so magnetic or electronic interfe	
	. If the problem continues, conclinician.	tact your
Sound is too loud or uncomfortable	Try a different program. Refer program on page 20.	to Change
	If you use a Remote Control, t the volume.	urn down
	If you have the Nucleus Smar down the volume or sensitivit	
	 If you have two sound process for each side), ensure you hav the correct side. 	
	 If the problem continues, rem external equipment immediat processor, etc) and contact yo 	ely (sound

PROBLEM	RESOLUTION		
Sound is too quiet or muffled	1. Try a different program. Refer to Change program on page 20.		
	2. If you use a Remote Control, turn u the volume.	1b	
	3. If you have the Nucleus Smart Appturn up the volume or sensitivity.	,	
	4. Try changing the microphone protectors. Refer to <i>Change the microphone cover</i> on page 49.		
	5. If the problem continues, contact your clinician.		
The sound processor gets wet	Dry the sound processor with a soft cloth, change the microphone protectors and place it in the Home Charger provided by Cochlear to dry. Refer to Water, sand and dirt on page 51.		
Battery does not last as long as usual	If you are using a non-recommendor retention aid that covers your soun processor, replace it with an aid recommended by Cochlear.		
	 Make sure you are using the correct magnet for your implant. If unsure, contact your clinician. 		
	3. Make sure the sound processor is oriented properly on your head. Refer to Wear your sound processor page 23.	on	
	4. If the problem continues, contact your clinician.		

Cautions

- Young children who are developing motor skills are at greater risk of an impact to the head from a hard object (for example, table or chair). Impact to the sound processor may cause damage to the sound processor or its parts. Impact to the head in the area of the Cochlear implant could damage it and result in its failure.
- Avoid placing metallic or magnetic objects near your sound processor while it is on your implant or in the Home Charger. This could affect sound levels (while wearing) or damage your Home Charger.
- Most patients can benefit from electrical stimulation levels that are considered safe, based on animal experimental data. The long-term effects of such stimulation in humans are unknown
- Your sound processor may be affected by other sound processors or coils. Always keep your sound processor more than 1 cm away from other sound processors or coils.

Warnings

For parents and carers

- Sound processors and related accessories contain small parts that alone or in combination may pose a hazard of inhalation, choking or ingestion. Swallowing or inhaling small parts can cause severe or fatal injuries. Always supervise children under 3 years of age and others who may be at risk of inhalation, choking or ingestion of small parts when they use the sound processor and related accessories. When not in use, keep small parts, and combinations of small parts, out of reach from children. If small parts are swallowed or inhaled, seek immediate medical attention.
- Parents and carers are advised that unsupervised use of long cables (for example, safety lines, accessory cables or the headband) may present a risk of strangulation.
- Carers must routinely check the device for signs of overheating and for signs of discomfort or skin irritation at the implant site. Remove the sound processor immediately if there is any discomfort or pain (for example, if device becomes hot, or sound is uncomfortably loud) and inform your clinician.
- Carers must monitor for signs of discomfort or skin irritation if a retention aid (for example, headband) is used that applies pressure to the sound processor. Remove the aid immediately if there is any discomfort or pain, and inform your clinician.

Sound processors and parts

- Do not use cleaning agents or alcohol to clean your sound processor or accessories.
- Do not operate your sound processor beyond these temperature and humidity ranges: +5° C (41° F) to +40° C (104° F) and 0% RH to 90% RH.
- Each sound processor is programmed specifically for each implant. Never wear another person's sound processor or lend yours to another person.
- Use your Cochlear implant system only with approved devices and accessories.
- If you experience a significant change in performance, remove your sound processor and contact your clinician.
- Your sound processor and other parts of the system contain complex electronic parts. These parts are durable but must be treated with care.
- No modification of this equipment is allowed. Warranty will be void if modified.
- If the magnet is too strong or is in contact with the skin, pressure sores may develop at the sound processor site. If this happens, or if you experience any discomfort in this area, contact your clinician.
- If you experience tightness or pain at the implant site, or develop significant skin irritation, stop using your sound processor and contact your clinician.
- Do not apply continued pressure to the sound processor when in contact with the skin (for example, sleeping while lying on the sound processor, or using tight fitting headwear).

- Do not push the volume too high for comfort in case a loud noise occurs nearby.
- If you need to adjust the volume often, or if adjusting volume ever causes discomfort, contact your clinician.
- Remove the sound processor before entering a room where an MRI scanner is located.
- Do not place the sound processor or parts in any household devices (for example, microwave oven, dryer).
- Do not expose the sound processor or parts to heat (for example, never leave them in sunlight, behind a window or in a car).
- The magnetic attachment of your sound processor to your implant may be affected by other magnetic sources.
- Your sound processor magnet may be affected by metallic or magnetic objects. Keep metallic or magnetic objects away from your sound processor.
- Store spare magnets safely and away from cards that may have a magnetic strip (for example, credit cards, bus tickets).
- Your device contains magnets that should be kept away from life supporting devices (for example, cardiac pacemakers and ICDs (implantable cardioverter defibrillators) and magnetic ventricular shunts), as the magnets may affect the function of these devices. Keep your sound processor at least 15 cm (6 in) from such devices. Contact the manufacturer of the specific device to find out more.

- Your sound processor and remote control radiate electromagnetic energy that may interfere with life supporting devices (for example, cardiac pacemakers and ICDs). Keep your processor and remote control at least 15 cm (6 in) from such devices. Contact the manufacturer of the specific device to find out more.
- Remove the sound processor immediately if the sound level is uncomfortably loud and inform your clinician.
- Do not place the device or accessories inside any part of your body (for example, nose, mouth).
- Seek medical advice before entering any environment that may adversely affect the operation of your Cochlear implant, including areas protected by a warning notice preventing entry by patients fitted with a pacemaker.
- Some types of digital mobile telephones (for example, Global System for Mobile communications (GSM) as used in some countries), may interfere with the operation of your external equipment. You may hear distorted sound when close, 1-4 m (~3-12 ft), to a digital mobile telephone in use.

- For Cochlear Nucleus cochlear implant recipients only, the maximum diving depth is 40 m (~131 ft). Seek medical advice before diving to ensure you do not have any conditions that might make diving contraindicated (for example middle ear infection). When wearing a mask, avoid pressure over the implant site.
- Before activities that create electrostatic discharge (for example, playing on plastic slides), remove your sound processor. In rare cases, discharge of static electricity can damage your Cochlear implant's electrical components or corrupt the sound processor's program. If static electricity is present (for example, when putting on clothes over your head, or getting out of a car), before the Cochlear implant system touches any object or person, you should touch something conductive such as a metal door handle.
- Only use battery chargers supplied or recommended by Cochlear. Use of other battery chargers may result in harm or injury.

Medical treatments

Magnetic resonance imaging (MRI)



The Kanso 2 Sound Processor, remote and related accessories (such as the Wireless Programming Pod) are MR Unsafe.

Full MRI safety information is available at www.cochlear.com/mri

or by calling your regional Cochlear office (contact numbers available at the end of this document).

Medical treatments generating induced currents, heat and vibration

Having a cochlear implant means extra care must be taken when receiving some medical treatments. Before starting medical treatment, the information in this section should be discussed with the recipient's physician.

The sound processor must be removed before starting any of the medical treatments listed in this section.

Some medical treatments generate induced currents that may cause tissue damage or permanent damage to the implant. Before initiating any of the following treatments deactivate the device.

Warnings for specific treatments are provided below.

CONDITION	WARNING
Diathermy	Do not use therapeutic or medical diathermy (thermopenetration) using electromagnetic radiation (magnetic induction coils or microwave). High currents induced into the electrode lead can cause tissue damage to the cochlea/brainstem or permanent damage to the implant. Medical diathermy using ultrasound may be used below the head and neck.
Electroconvulsive therapy	Do not use electroconvulsive therapy on an implant patient under any circumstances. Electroconvulsive therapy can cause tissue damage or damage to the implant.

CONDITION	WARNING
Electrosurgery	Electrosurgical instruments can induce radio frequency currents that could flow through the electrode.
	Monopolar electrosurgical instruments must not be used on the head or neck of an implant patient as induced currents could cause damage to cochlear/neural tissues or permanent damage to the implant.
	When using bipolar electrosurgical instruments on the head and neck of a patient, the cautery electrodes must not contact the implant and should be kept more than 1 cm (½ in) from the electrodes.
lonising radiation therapy	Do not use ionizing radiation therapy directly over the implant. It may cause damage to the implant.
Neurostimulation	Do not use neurostimulation directly over the implant. High currents induced into the electrode lead can cause tissue damage to the cochlea/ brainstem or permanent damage to the implant.
Therapeutic ultrasound	Do not use therapeutic levels of ultrasound energy directly over the implant. It may inadvertently concentrate the ultrasound field and cause tissue damage or damage to the implant.

Notes

Specifications

The Kanso 2 sound processor comprises:

- Two omni-directional microphones for receiving sound.
- Custom analogue and digital integrated circuits with digital signal processing (DSP) and bi-directional wireless communication capabilities.
- Tri-colour visual indication of sound processor function or problem.
- Tap interface allowing the user to turn the sound processor on and off

The internal battery provides power to the sound processor, which transfers energy and data to the implant.

MATERIALS	
Processing unit	Polyamide
Magnet casing	Acrylonitrile butadiene styrene (ABS)
DIMENICIONIC	ITNOTII WIDTII DERTII

DIMENSIONS	LENGTH	WIDTH	DEPTH
Processing unit (typical values)	38 mm	34 mm	12.5 mm

WEIGHT	WEIGHT
Processing unit and magnet	14.2 g

COIL CHARACTERISTICS	VALUE
Operating voltage	2.33 V
Operating frequency	5 MHz

OPERATING CHARACTERISTICS	Value/range
Sound input frequency range	100 Hz to 8 kHz
Wireless technology	Proprietary low power bi-directional wireless link Published commercial wireless protocol
	(Bluetooth Low Energy)
RF frequency	2.4 GHz
Input operating voltage	4.75 V to 5.35 V
Power consumption	20 mW to 100 mW
Charge cycles	≥ 80% capacity after 2000 charge/discharge cycles at room temperature
Battery type	Lithium ion
Battery capacity	650 mWh
Tap functions	Turn sound processor on and off
Remote communication range	 At least 2 m (remote control) At least 3 m (Phone Clip) At least 7 m (Mini Microphone, TV Streamer) At least 2 m (Made for iPhone control) At least 7 m (Made for iPhone streaming) At least 7 m (Android streaming*) available only on compatible Android devices

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Wireless communication link

The wireless communication link operates in the 2.4 GHz ISM band using GFSK (Gaussian frequency-shift keying), and a proprietary bidirectional communication protocol. It continuously switches between channels to avoid interference on any specific channel.

- The remote control operates over 4 channels, over a
 distance of at least 2 metres from the sound processor. It
 indicates via its display when the sound processor is out of
 operating distance (or switched off) or when the link is
 interrupted due to broad spectrum interference (refer to
 remote's user guide for more information).
- The True Wireless accessories operate over 16 channels, over a distance of at least 3 metres for the Phone Clip, and 7 metres for the Mini Microphone and TV Streamer.

Bluetooth® Smart also operates in the 2.4 GHz ISM band, using frequency hopping over 37 channels to combat interference. Operating range is at least 7 metres, and the appindicates when the sound processor is out of operating distance (or switched off) or when the link is interrupted due to broad spectrum interference.

ENVIRONMENTAL CONDITIONS	MINIMUM	MAXIMUM
Storage and transport temperature	-10° C (14° F)	+55° C (131° F)
Storage and transport humidity	0% RH	90% RH
Operating temperature	+5° C (41° F)	+40° C (104° F)
Operating relative humidity	0% RH	90% RH
Operating pressure	700 hPa	1060 hPa

The temperature of the sound processor while charging with the Portable Charger may rise by up to 2.8° C (5.0° F) during normal operation, and could result in these components reaching a temperature of +42.8° C (+109.0° F) when operated at the maximum environmental temperature of +40.0° C (+104° F).

Headband specifications

MATERIALS	
Fabric	83% polyester, 17% elastane
Thread	100% polyester
Silicone strip, non-slip	Silicone rubber
Silicone strip backing tape	90% polyester, 10% spandex
Hook and loop fastener	40% nylon, 60% polyester

Softwear Pad specifications

MATERIALS	
Layer 1	Polyurethane medical tape
Layer 2	Soft pad polyurethane foam
Layer 3	Double-sided adhesive film
Layer 4	Finger lift tape
Layer 5	Release liner

DIMENSIONS	
Diameter (assembled)	Ø 29 mm ± 1 mm

Other information

Electromagnetic compatibility (EMC)



Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 in) to any part of your Kanso 2 Sound Processor, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Interference may occur in the vicinity of equipment marked with this symbol:

Environmental protection

Your sound processor contains electronic components subject to the WEEE Directive 2012/19/EU on waste electrical and electronic equipment.

Help protect the environment by not disposing of your sound processor or batteries with your unsorted household waste. Please recycle your sound processor according to your local regulations.

Equipment classification

Your sound processor is internally powered equipment Type B applied part as described in the international standard IEC 60601-1:2005/A1:2012, Medical Electrical Equipment – Part 1: General Requirements for Basic Safety and Essential Performance

Certification and applied standards

C€₀₁₂₃

The CE mark with Notified Body number applies to the Kanso 2 Sound Processor.

(€

The CE mark applies to the following accessories:

Cochlear Headband, Cochlear Nucleus Kanso Magnet (all strengths, types, and colours) and Cochlear SoftWear Pad.

The Kanso 2 Sound Processor also fulfils the essential requirements listed in the EC directive 2014/53/EU on Radio Equipment as per the conformity assessment procedure in Annex II. The declaration of conformity may be consulted at: www.cochlear.com/wps/wcm/connect/intl/about/company-information/declaration-of-conformity

Summary of safety and clinical performance

A summary of the safety and clinical performance of the Kanso 2 Sound Processor (Model: CP1150) can be found at https://ec.europa.eu/tools/eudamed.

FCC (Federal Communications Commission) compliance

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

RF exposure safety

This device complies with the FCC RF exposure limits and has been evaluated in compliance with portable exposure condition.

There is no limitation as to which distance can be used from the human body.

Class B device notice

Note: 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: WTO-CP1150

ISED compliance

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with ISED license-exempt RSS(s). Operation is subject to the following two conditions:

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

RF exposure safety

This device complies with the ISED RF exposure limits and has been evaluated in compliance with **portable** exposure condition.

There is no limitation as to which distance can be used from the human body.

CAN ICES-003 (B)

This Class B digital apparatus complies with Canadian ICES-003.

IC: 8039A-CP1150

Radio compliance for Argentina



CNC ID: C-24890

Labelling symbols

The following symbols may appear on your sound processor or remote components and/or packaging:



Refer to instruction manual



Consult instructions for use



Specific warnings or precautions associated with the device, which are not otherwise found on the label



Medical device



Unique Device Identifier



Manufacturer



Date of manufacture



Use by date



Model number

REF

Catalogue number

SN

Serial number

LOT

Batch code

EC REP

Authorised representative in the European Community/

European Union

CH REP

Authorised representative in Switzerland

(€ n123 CE registration mark with notified body number

 $C \in$ CE registration mark

Radio compliance certification for Australia and New

7ealand

ANATEL Radio compliance certification for Brazil

Radio compliance certification for Japan

Radio compliance certification for Korea

INMETRO product certification mark (medical electrical product)

Compatible sound processor

Caution: US law restricts this device to sale by, or on the Rx Only

order of, a physician

Compatible implant

Temperature limits

Recyclable material

Dispose of electrical components in accordance with your

local regulations



Type B applied part

Ingress protection Rating

IP54

- Protected against access of solid foreign objects greater than or equal to 1.0 mm diameter.
- Protected against excessive dust penetration that could interfere with satisfactory operation.
- · Protected against failure from splashing water.

Ingress Protection Rating

IP68

- Protected against access of solid foreign objects greater than or equal to 1.0 mm diameter.
- Protected against dust penetration.
- Protected against failure from continuous immersion in water up to 1 metre deep for up to 1 hour.

Serious incidents

Whilst serious incidents in relation to medical devices are rare, it is acknowledged that incidents may happen. As an organisation, Cochlear recognises the potential for harm and will respond to any reported serious incident.

What is a serious incident?

A 'serious incident' means any event that directly or indirectly has caused or could have caused an unexpected or unwanted event including any of the following:

- The death of a patient, user or other person,
- The temporary or permanent serious deterioration of a patient's, user's or other person's state of health,
- A serious public health threat.

Reporting a serious incident

There is no definitive list of events/incidents that constitute a serious incident, however all serious incidents should be reported to:

- your local Cochlear office www.cochlear.com/intl/contact/global-offices
- your National Competent Authority https://health.ec.europa.eu/medical-devices-sector /new-regulations/contacts_en

Compatible accessories

CATEGORY	ACCESSORIES
Retention	Cochlear Nucleus Kanso Magnet, Cochlear Headband, Cochlear Softwear Pad
Loss prevention	Kanso Halo Accessory, Cochlear Safety Line (Short), Cochlear Safety Line (Long), Cochlear Safety Line (Short Loop), Cochlear Safety Line (Short Double Loop), Nucleus Safety Line, Nucleus Safety Line Hair Clip
Water-safe	Cochlear Nucleus Kanso Aqua+
Care and maintenance	Kanso 2 Microphone Cover, Cochlear Nucleus Kanso Socket Cover, Cochlear Magnet Tool, Activity Kit Case
Wireless	Cochlear Remote Control, Nucleus Smart App, Cochlear Wireless Mini Microphone, Cochlear Wireless Mini Microphone 2+, Cochlear Wireless TV Streamer, Cochlear Wireless Phone Clip
Power	Cochlear Home Charger, Cochlear Portable Charger, Cochlear Portable Charger Cable (long and short)
Miscellaneous	Recipient Backpack, Cochlear Personalisation Stickers, Nucleus Bilateral Identification Adhesive Labels

Privacy and the collection of personal information

During the process of receiving a Cochlear device, personal information about the user/recipient or their parent, guardian, carer and hearing health professional will be collected for use by Cochlear and others involved in care with regard to the device.

For more information please read Cochlear's Privacy Policy on www.cochlear.com or request a copy from Cochlear at the address nearest you.

Reliability reporting

Full reliability reporting for Cochlear Nucleus Systems can be found on www.cochlear.com.

Trademark legal notice

ACE, Advance Off-Stylet, AOS, Ardium, AutoNRT, Autosensitivity, Baha, Baha SoftWear, BCDrive, Beam, Bring Back the Beat, Button, Carina, Cochlear, 科利耳, コクレア, 코클리어, Cochlear SoftWear, Contour, コントゥア, Contour Advance, Custom Sound, DermaLock, Freedom, Hear now. And always, Hugfit, Human Design, Hybrid, Invisible Hearing, Kanso, LowPro, MET, MP3000, myCochlear, mySmartSound, NRT, Nucleus, Osia, Outcome Focused Fitting, Off-Stylet. Piezo Power, Profile, Slimline, SmartSound, Softip, SoundArc, SoundBand, True Wireless, the elliptical logo, Vistafix, Whisper, WindShield and Xidium are either trademarks or registered trademarks of the Cochlear group of companies. Bluetooth is a registered trademark of Bluetooth SIG, Inc., Apple, iPad, iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google LLC.

Notes

Hear now. And always

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