

Welcome

Congratulations on your purchase of a Cochlear™ Baha® Remote Control 2*.



Key to device *See figure 1* 1

- ON/OFF control
- Display
- Streaming (optional TV Streamer or Mini Microphone)
- Home button
- Sound Processor microphone mute
- Increase volume
- Decrease volume
- Select left Sound Processor only
- Select right Sound Processor only
- Program change
- Pairing button

Note: The instructions in this manual describe operation of the Cochlear Baha Remote Control with one Cochlear Baha sound processor. If you are a bilateral recipient (using two Cochlear sound processors), note that one Cochlear Baha Remote Control can be used with two Baha sound processors. If this is the case, the same instructions apply to both sound processors.

Introduction

The Cochlear Baha Remote Control will allow you to operate your Cochlear Baha wireless sound processors. It is both an elegant and user-friendly Remote Control as well as a status indicator that gives you access to other wireless functions on your sound processor. If you are using two wireless Baha sound processors, the Cochlear Baha Remote Control can be used to adjust both of your sound processors simultaneously. Or you can control both sound processors individually, allowing you to perfectly fine tune your sound processor to any specific hearing situation.

Please read this manual carefully to fully benefit from the Cochlear Baha Remote Control. Ask your hearing care professional if you have any questions. For further information you can also visit the www.cochlear.com web site.

For your safety, carefully read the chapter "Important Information".

Warranty

The warranty does not cover defects or damage arising from, associated with, or related to the use of this product with any non-Cochlear processing unit and/or any non-Cochlear implant. See "Cochlear Global Limited Warranty card" for more details.

Key to symbols

The following symbols will be used throughout the document.

	"Consult instructions for use" or "Operating instructions"
	"Caution" or "Caution, consult accompanying documents"
	CE-mark
	Serial Number
	Refer to instructions/booklet
	ACMA (Australian Communications and Media Authority) compliant
	Please ask your hearing care professional concerning disposal of this device.
	Wireless enabled

Intended use

The Remote Control is intended to enable the user to control a wireless Baha Sound Processor remotely. The essential purpose of the Remote Control is to transfer signals to a Baha sound processor in order to adjust volume and select a program.

Getting Started

Charging the Battery

See figure 2 2

Before using your Remote Control, the battery must be fully charged. To do so, plug in the charging cable as shown below. Then plug the other end into a power outlet. During charging, the battery meter will display one, two or three bars. When fully charged, all three bars will be shown continuously.

For safety reasons, recharge the battery only with chargers supplied by Cochlear.

Caution: Do not charge the Cochlear Remote Control while it is being worn.

Turning your Remote Control 2 ON and OFF

See figure 1 1 no. 1

To turn your Remote Control ON slide the ON/OFF control down to the ON position. A white "I" icon will be visible at the base of the control and the display will turn on. To turn your Remote Control OFF, slide the ON/OFF control up to the OFF position.

Changing program

See figure 3 3

The "P" button [no. 10 in figure 1] is used to change the programs that your hearing care professional has programmed into your sound processor. The name of the program displayed can be configured by your hearing care professional. Each time you press the "P" button the program advances one step, returning to program 1 at the end of each cycle (e.g., 1, 2, 3, 1). Each program change is accompanied by beep tones in both sound processors and the program currently in use is shown in the display. For optimal performance it is recommended that both sound processors be set to the same program.

- Program 1 "Everyday"
- Program 2 "Noise"

Adjusting volume

Adjust volume on two sound processors

See figure 4 4

The "+" and "-" keys are used to adjust volume [no. 6 and 7 in figure 1]. Volume may be adjusted on both sound processors simultaneously or on each side independently. By default, both sound processors are "active," which is indicated in the display by two arrowheads (< and >) located next to the volume bars. Both sound processors can simultaneously be made louder by pressing the "+" key or softer by pressing the "-" key. Each adjustment is accompanied by beep tones in the sound processors as well as a visual change in the volume bars shown in the display. The default volume level is indicated by a horizontal green line in the volume bars.

Adjusting volume on the left sound processor only

See figure 5 5

To adjust volume on the left side only, first press the "<" key on the keypad [no. 8 in figure 1]. Doing so makes the left sound processor "active" and the right sound processor "inactive". This is indicated by a left arrowhead (<) in the display, with the right arrowhead turned off. Press "+" or "-" to adjust volume on the left sound processor only.

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Cochlear™ Baha® Remote Control 2 User Manual



Adjusting volume on the right sound processor only

See *figure 6*

To adjust volume on the right side only, first press the ">" key on the keypad [no. 9 in figure 1]. Doing so makes the right side "active" and the left side "inactive". This is indicated by a right arrowhead (>) in the display with the left arrowhead turned off. Press "+" or "-" to adjust volume on the right side only.

To return to simultaneous adjustment mode, press either the < or > keys on the keypad [no. 8 or 9 in figure 1] until both arrowheads appear in the display, indicating that both sound processors are again "active".

Note: Mute/Unmute: Mute and unmute the sound processors' microphones by pressing the mute button [no. 5 in fi 1] on the Remote Control.

Muting or unmuting applies to both sound processors simultaneously and cannot be selected for the left or right one separately. When the microphones are muted, the microphone icon will be replaced by a microphone muted icon and the volume bars will be dimmed. To unmute the sound processor microphones, press the mute button again.



Activate streaming

If you are using an optional Cochlear streaming device such as the Cochlear Wireless TV Streamer™ or Cochlear Wireless Mini Microphone™, input from these devices can be activated by pressing the streaming button no. 3 in figure 1. See also the section "Using optional audio streaming devices".

Return to Home settings

Home settings, i.e., those that apply whenever the sound processor is first turned on, are activated by pressing the Home button [no. 4 in figure 1]. Pressing the Home button will:

- Activate program 1 in your sound processor
- Adjust your sound processor to the default volume settings
- Set the volume to simultaneous adjustment mode

The home button will also terminate any streamed audio signals from any optional Cochlear streaming device.

Low battery indicator

Remote Control low battery indicator

See *figure 7*

The battery level of the Remote Control is indicated by a battery meter comprising three bars. As the battery is gradually depleted the bars will disappear one by one. When the battery is low on power, the meter will start flashing, indicating that recharging is needed.

Sound Processor low battery indicator

See *figure 8*

When the sound processor's battery is almost flat, you may still be able to use it, but the Remote Control functionality may be disabled. Should this happen, we recommend you replace the battery in your sound processor.

- Low battery on left sound processor
- Low battery on right sound processor

Operating range

See *figure 9*

The operating range between the Remote Control and the sound processor is approximately 1 meter (40"). If the current status is not displayed on the Remote Control, hold Remote Control it in front of your chest as shown in the illustration.

If the Remote Control cannot determine the sound processor's status, search icons will appear on its display. Hold the Remote Control as shown above to establish contact with both sound processors.

- Searching for two sound processors
- Searching for the right sound processor
 - Connected to the left sound processor

Display

To conserve battery life, the Remote Control has a power saving feature that automatically turns off the display and puts the Remote Control in standby mode after 20 seconds of inactivity. Simply press any button on the keypad to reactivate the display and then perform the desired action.

Remote control performance

The Remote Control performs best when buttons are pressed one step at a time rather than in rapid sequence. When adjusting volume, for example, briefly press a button as described below and wait for the tone before continuing. This tip applies to all button use but is especially relevant to volume adjustments.

Pairing

See *figure 10*

Pairing is the process of establishing communication between your sound processor and your Remote Control. Your hearing care professional can help you with this procedure when fitting your sound processor. Alternatively, you can follow the steps below to pair your sound processor with the Remote Control:

- Make sure the Remote Control is fully charged and is turned on.
- Turn off your sound processor.
- Press the pairing button on the Remote Control once. This will activate the pairing mode which will be active for 20 seconds.
- While pairing mode is activated, turn on your sound processor. Successful pairing will be indicated by an audible melody played in your sound processor and program 1 will be shown as active in the Remote Control display . You are now ready to use the Remote Control.

Using optional audio streaming devices

The TV Streamer and the Mini Microphone are optional audio and speech streaming devices available for your sound processor. The TV Streamer streams audio signals (stereo) from your TV, stereo, computer, etc., directly to your sound processor.

The Mini Microphone streams speech and audio signals directly to your sound processor. To start audio streaming from the TV Streamer or Mini Microphone, press the streaming button [no. 3 in figure 1] on the Remote Control. The sound processor will start searching for your streaming device.

Activating streaming from the Cochlear TV Streamer

See *figure 11*

To start audio streaming from the TV, stereo or any other device connected to your TV Streamer, simply turn on the audio device and then press the streaming button [no. 3 in figure 1]. The Remote Control will immediately start searching for the TV Streamer and connect to it.

- Searching for a TV
- Connected to a TV
- No TV found

You can have up to 3 Cochlear streaming devices set up for your sound processor. Each Cochlear streaming device is indicated in the display by the letter A, B or C. If more than one Cochlear streaming device is in use, press the streaming button again until the desired audio signal is heard.

Streaming mode volume adjustment

When in streaming mode, both the sound processor's volume (left volume bar) and the streamed audio volume (right volume bar) are by default set to "active". This is indicated in the display by the two arrows (< and >) located next to the volume bars. To adjust both the sound processor and the streamed audio volume simultaneously, press the "+" or "-" key [no. 6 or 7 in figure 1] on the Remote Control.

Note: If you are using two sound processors, any volume adjustments will apply to both of them. It is also possible to make individual volume adjustments for the sound processors and the streamed audio signal respectively.

Adjust sound processor volume only

See *figure 12*

To adjust the sound processor volume, press the left "<" key on the keypad [no. 8 in figure 1] once. The two arrows "<>" next to the hearing instrument volume bar and the "streamed audio" volume bar will be dimmed. Press "+" or "-" [no. 6 or 7 in figure 1] to adjust hearing instrument volume. To return to simultaneous adjustment mode, press the ">" key [no. 9 in figure 1] on the keypad until one arrow appears next to each volume bar in the display, indicating that both volume levels are "active".

Adjust streamed audio volume only

To adjust the streamed audio volume, press the right ">" key on the keypad [no. 9 in figure 1] once. The two arrows "<>" next to the streamed volume bar and the "hearing instrument" volume bar will be dimmed. Press "+" or "-" [no. 6 or 7 in figure 1] to adjust the streamed audio volume. To return to simultaneous adjustment mode, press the "<" key [no. 8 in figure 1] on the keypad until one arrow appears next to each volume bar in the display, indicating that both volume levels are "active".

Sound processor streaming mode volume adjustments

The volume adjustment will apply to the streamed audio signal only. If necessary, adjust the volume using the "+" and "-" keys [no. 6 or 7 in figure 1]. The volume of the streamed audio signal can also be adjusted individually for the left and right sound processors by pressing < or > [no. 8 or 9 in figure 1]. To stop streaming and return to the previous program, press the "P" button [no. 10 in figure 1]. Alternatively, press the Home button [no. 4 in figure 1], which will reset your sound processor to its default settings (see the section "Return to Home settings") and also reset the Remote Control to simultaneous adjustment mode.

Cochlear Wireless Phone Clip (optional)

See *figure 13*

The Phone Clip also works with the Remote Control. The display will indicate when the Phone Clip is in use. Once the phone call has ended, the sound processor will return to the previously used program. That program is shown on the display of the Remote Control. Volume adjustments made during the phone call will not be transferred to your previously used program. Phone calls will temporarily interrupt streaming from your optional streaming devices but streamed audio will be restored once the phone call has ended.

Appendix: exceptions to normal operation

If you have been fitted with two sound processors, it is recommended that both of them be set to the same program at all times. However, it is possible to have different programs on the two sound processors, such as Program 1 on the left side and streamed audio on the right. Under these circumstances, the remote control functions slightly differently, as the following examples illustrate.

Situation #1: You have started with P1 on both sides but have changed the right side to P2 by pushing the button on the right sound processor. If you then press the P button on the remote control, the left sound processor will advance to P2, matching the one on the right. Further presses of the P button will advance both sound processors, thus keeping the same program on both sides.

Situation #2: You have set the left sound processor to P1 and the right sound processor to P2. If you then press the Streaming button, both sound processors will receive streamed audio from the same source (e.g., the TV). If you then press the P button on the remote control, streaming will be cancelled on both sides and both sound processors will return to their previous programs (P1 and P2).

Situation #3: You have P1 on the left side but have started streaming on the right side by pressing and holding the button on the right sound processor. If you then press the P button on the Remote Control, streaming on the right side will be cancelled and both sound processors will return to P1. If you press the Streaming button instead, both sound processors will be set to the same streamed audio program.

Situation #4: If your sound processors are using different sound processor programs, only the program numbers for each sound processor will be shown. No program label/name will be shown.

Situation #5: If one sound processor is in streaming mode and the other one is in one of the sound processor programs, only the streaming display will be shown with no indication of the sound processor's program number and label/name.

Important information

Maintenance and Care

- Clean the Remote Control using a damp cloth. Never use household cleaning products (washing powder, soap, etc.) or alcohol to clean the device.
- When the Remote Control is not in use, turn it off and store it safely.
- Protect the Remote Control from excessive moisture (bathing, swimming) and heat (radiator, car dashboard).
- Protect it from excessive shock and vibration.

General warnings

- Keep this device out of reach of children.
- The Remote Control uses low-powered digitally coded transmissions in order to communicate with other wireless devices. Although unlikely, nearby electronic devices may be affected. In such cases, move the Remote Control away from the affected electronic device.
- When using the Remote Control and it is affected by electromagnetic interference, move away from the source of the interference.

General precautions

- Do not use this device in locations where the use electronic devices are prohibited.
- X-ray radiation (e.g., CT/MRI scans) may adversely affect the functioning of this device. Switch it off before undergoing the procedure and keep it outside the room.
- High-powered electronic equipment, larger electronic installations and metallic structures may impair and significantly reduce the operating range.
- Your sound processors and this device were given unique communication codes during fitting. This ensures that the device will not affect sound processors worn by others.
- Do not alter or modify this device.
- Opening the Remote Control might damage it. If problems occur that cannot be resolved, consult your hearing care professional.
- The Remote Control may only be repaired by an authorized service centre.
- Do not use the Remote Control in areas where RF transmission is prohibited, e.g., in planes, etc.
- Only connect the Remote Control to connections for which it is explicitly intended.

Built-in battery care

Please observe the following:

- Your product is powered by a rechargeable battery. A new battery performs optimally after two or three complete charge and discharge cycles.
- The battery can be charged and discharged hundreds of times, but will eventually wear out.
- Unplug the charger from the mains socket and the product when not in use.
- If left unused, a fully charged battery will lose its charge over time.
- Leaving the product in hot places will reduce the battery's capacity and service life.
- A product with a cold battery may not work temporarily, even if fully charged. Battery performance is particularly limited in temperatures well below freezing.

Battery warning

- Caution: The battery used in this product may present a risk of fire or chemical burn if misused.
- The battery in your product cannot be removed or replaced by the user. Do not attempt to open the product. Any attempt to do so may result in damage. Using other batteries may present a risk of fire or explosion and void the warranty.
- Only recharge the Remote Control with the recharger that was supplied with the product.
- Dispose of batteries according to local regulations. Please recycle when possible.
- Do not dispose of the battery as household waste or in a fire as it may explode.

Charger care

- Please observe the following if the product is supplied with a charger.
- Do not attempt to charge your product with anything other than the AC adapter provided. The use of other chargers may damage or destroy the product and could be dangerous. Use of other chargers may invalidate any approval or void the warranty.
- For availability of approved accessories, please check with your hearing care professional.
- Charge the product according to the instructions provided.

Charger warning

- When you disconnect the power cord or any accessory, grasp and pull the plug, not the cord.
- Never use a charger that is damaged.
- Do not attempt to disassemble the charger because it may expose you to a dangerous electric shock.
- Incorrect reassembly can cause electric shock or fire when the product is subsequently used.
- Avoid charging your product in extremely high or low temperatures and do not use the charger outdoors or in damp areas.

Technical specifications

Operating range	Up to 3 meters
Wireless	2,4 GHz
Operating temperature	0 to 55 °C
Storage temperature	-20 to 60 °C

The product is subject to various tests in temperature and damp heating cycling between -25 °C and +70 °C according to internal and industry standards.

Wireless Accessory type designations for models included in this User Manual are:

FCC ID QZ3RC-2, IC 8039C-RC2, IC model: RC-2

Statement





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 (2) this device must accept any interference received, including interference that may cause undesired operation. 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.
- Changes or modifications can void the user's authority to operate the equipment.

List of countries:

The products are in compliance with the following regulatory requirements:

- In EU: the device conforms to the Essential Requirements according to Annex I of Council Directive 93/42/EEC for medical devices (MDD) and essential requirements and other relevant provisions of Directive 1999/5/EC (R&TTE). The declaration of conformity may be consulted at www.cochlear.com.
- Products with wireless functionality are intended for sale in countries within the European Economic Area as well as Switzerland. Specification of restrictions: You are not allowed to operate the equipment within 20 km of the centre of Ny Ålesund, Norway.
- In US: FCC CFR 47 Part 15, subpart C, section 15.249.
- Other identified applicable international regulatory requirements in countries outside the EU and US. Please refer to local country requirements for these areas.
- Products are in compliance with EN 300 328.
- In Canada the Remote Control is certified under the following certification number: IC:8039C-RC2.
- This device complies with Industry Canada license exempt RSS standard(s)
- This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.
- Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- Equipment includes RF transmitter.

	
	* Cochlear™ Baha® Remote Control 2
	** Cochlear™ Wireless TV Streamer
	*** Cochlear™ Wireless Mini Microphone