

# RC-A

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## Remote Control



Instructions for Use

**bernafon**<sup>®</sup>  
Your hearing • Our passion



## Introduction to this booklet

This booklet guides you on how to use and maintain your new RC-A. Please read the booklet carefully including the warning section. This will help you to achieve the full benefit of your new RC-A.

If you have additional questions about the use of your RC-A, please contact your hearing care professional.

## Intended use

<b>Intended use</b>	RC-A is intended to assist wireless hearing aid users to control the functionality provided by their hearing aid.
<b>Indications for use</b>	No indications for use.
<b>Intended user</b>	Adults and children older than 36 months.
<b>Use environment</b>	Indoor/outdoor.
<b>Contraindications</b>	User of active implants must pay special attention when using the device. For more information, read the Warning section.
<b>Clinical benefits</b>	See clinical benefits of the hearing aid.

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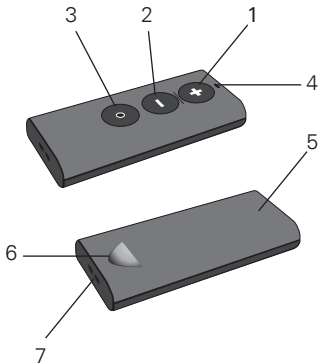
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# Product overview

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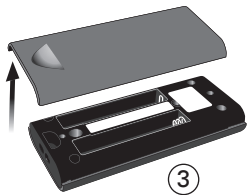
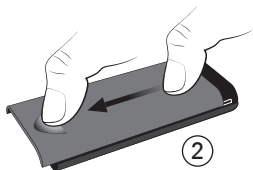
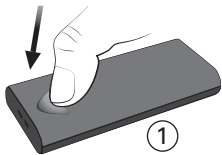
## Battery insertion and removal

The RC-A uses two alkaline AAAA batteries. Please follow these instructions to insert new batteries.

Battery life will vary depending on the condition of use. Standard use requires battery replacement approximately once a year. Remove any used batteries and discard them according to local regulation.

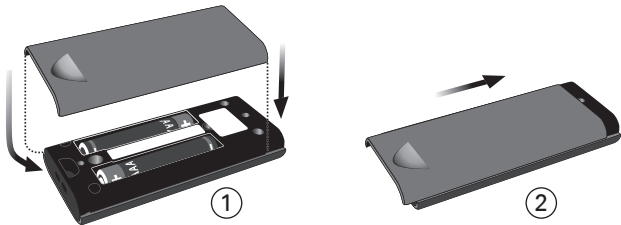
## **Remove the battery cover**

1. Using your thumb, push down on the finger grip.
2. From the opposite end of the battery cover, push in the direction of the finger grip with your other thumb.
3. Lift the battery cover off completely.
4. Insert the batteries into the battery compartment making sure that the “+” sign on the battery matches with the “+” sign in the battery compartment.



## Place the battery cover

1. Place the battery cover approximately 6 mm down from the top of the RC-A.
2. Slide the battery cover as shown, until it clicks.



**Important Notice**

The battery cover should never be forced. If force is required to place the cover, check the alignment and reposition it so that it clicks easily into place.

## Pairing the RC-A with your hearing aids

The RC-A is a personal device intended to be used with one set of hearing aids. The RC-A can operate up to two hearing aids at a time after pairing.

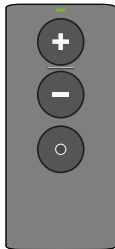
Before the RC-A can be used with your hearing aids, the devices need to be paired.

You can choose to pair the RC-A with either two hearing aids at the same time or with one hearing aid at a time. You need to repeat the pairing process if you choose to pair your hearing aids one at a time.

In the following instructions, a set of hearing aids is being paired with the RC-A.

## Remote control ready

1. Check that the RC-A has working batteries by pressing any button. With working batteries, the RC-A status light will illuminate for as long as the button is held down.





## **Hearing aids ready**

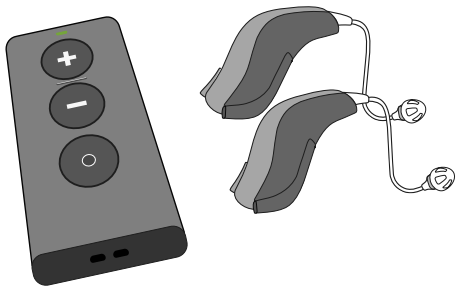
2. Restart the hearing aids to activate pairing mode. See instructions for use for your hearing aids, how to turn the hearing aids off and on again.

Wait for about 10 seconds – until the hearing aids are fully turned on and a jingle has been played which indicates that the power is on.

The hearing aids will remain in pairing mode for 3 minutes.

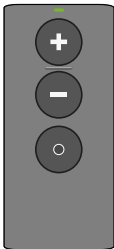
## **In range**

3. Place both of your hearing aids within range of the RC-A (i.e. within 20 cm).



## Pairing

4. Press any button on the RC-A and it will automatically pair with the hearing aids in range.

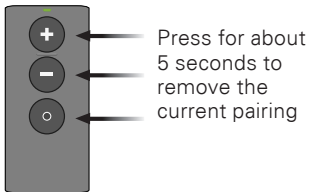


When the status light on the RC-A lights up steady green for 10 seconds, the devices have been paired successfully.

## Remove the pairing between the RC-A and hearing aids

The RC-A can be paired to a set of hearing aids at once. If you need to pair your RC-A to another set of hearing aids, first you have to remove the current pairing.

To clear the current pairing, press and hold the three buttons together for 5 seconds.



Press for about 5 seconds to remove the current pairing

When the status light on the RC-A lights up steady green for 10 seconds, the pairing has been cleared successfully.

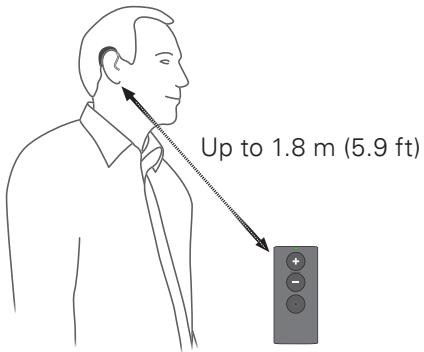
Your RC-A is ready to be paired again with your hearing aids (see page 14).

## Operating range

With the RC-A you can operate your hearing aids from a distance of up to 1.8 meters (5.9 feet).

A direct line of sight between the RC-A and your hearing aids is not required.

If you have paired two hearing aids to the RC-A, both will be adjusted at the same time.



# Confirmations

## **Visible indications**

The status light will light up when a button is pressed.



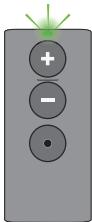
## **Audible indications**

You will hear a sound in your hearing aids which confirms the action performed.



## Battery low

If the batteries are running low, the status light will blink rapidly whenever a button is pressed. In this case, replace the batteries at your earliest convenience.



## Change programs

The RC-A can be used to change programs if your hearing care professional has made more than one program available in your hearing aids.

Simply press the program button on the RC-A to go through the hearing aid programs. Each press will advance the hearing aids to the next program in the cycle.



### **Important Notice**

Please refer to your hearing aid's "Instructions for Use" for details on the functionality of your specific hearing aid solution.

## Adjust volume

With the RC-A, you can adjust the volume of your hearing aids by using the volume control buttons.

You will hear a short confirmation in your hearing aids when you turn the volume up or down.

Press the volume up button to increase the volume of your hearing aid.

Press the volume down button to decrease the volume of your hearing aid.



Press “+”  
to increase volume  
(louder sound)



Press “-”  
to decrease volume  
(softer sound)

## Mute

Use the mute function if you need to silence the hearing aids while wearing them. Press and hold the volume down button for about 2 seconds until the status light turns off, to mute the hearing aids.

### **Unmute**

Briefly press any button on the RC-A to unmute your hearing aids.



Press for about 2 seconds  
to mute

### **Important Notice**

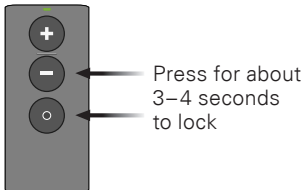
Please refer to your hearing aid's "Instructions for Use" for details on the functionality of your specific hearing aid solution.

# Lock/unlock the RC-A buttons

To prevent accidental button presses when the RC-A is in your pocket, you may wish to lock the buttons.

## Locking the RC-A buttons

1. Press and hold the volume down and program buttons together for 3–4 seconds.





2. The status light will blink two times when the buttons are locked.

To confirm the buttons are locked, press any key. The status light will blink three times to confirm.

### **Unlocking the RC-A buttons**

1. Press and hold again the volume down and program buttons together for 3–4 seconds.
2. The status light will be steadily illuminated until the keys are unlocked.

## Strap holes

For your convenience, the RC-A has a strap hole, allowing you to attach a small strap for carrying and securing your RC-A more easily.

1. Remove the battery cover (see pages 10 and 11).
2. Thread a small strap through the strap holes.



## Taking care of your RC-A

When changing the batteries or cleaning the RC-A, hold it over a soft surface to avoid damage if you drop it.

### **Important Notice**

Use a soft, damp cloth to clean the RC-A.  
It must never be washed or immersed in water or other liquids.

## Warnings

For your personal safety and to ensure correct usage, you should familiarise yourself fully with the following general warnings before using your RC-A. Consult your hearing care professional if you experience unexpected operations or serious incidents with your RC-A during use or because of its use. Your hearing care professional will support you with issue handling and, if relevant, reporting to the manufacturer and/or the national authorities.

## **Choking hazards and risk of swallowing batteries or other small parts**

- Your RC-A, its parts and batteries should be kept out of reach of children and anyone who might swallow these items or otherwise cause injury to themselves.

**If a battery or other small parts are swallowed, see a doctor immediately.**

## Warnings

### **Cross control**

- Your RC-A should be kept out of reach of children or anyone who might take control of the functionality, to ensure your personal safety and avoid incorrect use.

### **Use of straps**

- If a hand strap is used, make sure it is designed and suitable for the purpose. Never use a lanyard due to the risk of strangulation.

## **Battery use**

- Always use batteries recommended by your hearing care professional. Batteries of low quality may leak and cause bodily harm.
- Never attempt to recharge your batteries and never dispose of batteries by burning them. There is a risk that the batteries will explode.

## **Active implants**

- The RC-A has been thoroughly tested and characterised for human health according to international standards for human exposure (Specific Absorption Ratio – SAR), induced electromagnetic power and voltages into the human body. The exposure values are well below

## Warnings

international accepted safety limits for SAR, induced electromagnetic power and voltages into the human body defined in the standards for human health and coexistence with active medical implants, such as pacemakers and heart defibrillators.

- If you have an active brain implant, please contact the manufacturer of your implantable device for information about the risk of disturbance.



## **X-ray/CT/MR/PET scanning, electrotherapy and surgery**

- Remove your RC-A before X-ray/CT/MR/PET scanning, electrotherapy, surgery etc., as your RC-A may be damaged when exposed to strong electromagnetic fields.

## **Possible side effects**

- The otherwise non-allergenic materials used in RC-A may in rare cases cause a skin irritation or other side effects.

**Please, seek consultation with a physician if these conditions occur.**

## Warnings

### **Heat and chemicals**

- Your RC-A must never be exposed to extreme heat e.g. left inside a parked car in the sun.
- Your RC-A must not be dried in microwave ovens or other ovens.
- The chemicals in cosmetics, hair spray, perfume, aftershave lotion, suntan lotion and insect repellent can damage your RC-A. Always remove your RC-A before applying such products and allow time to dry before use.

## **Use in traffic**

- Using the RC-A can distract you. Be aware of your surroundings while using the RC-A. Please refer to national traffic laws regarding the use of communication devices while in traffic.

## Warnings

### **Use on aircraft**

- Your RC-A contains Bluetooth. The RC-A should not be used on board of an aircraft unless specifically permitted by the flight personnel.

## **Interference**

- Your RC-A has been thoroughly tested for interference according to the most stringent international standards. However, interference between your RC-A and other devices (e.g. some mobile telephones, citizens band devices, shop alarm systems and other wireless devices) may occur. If this occurs, increase the distance between the RC-A and the interfering device.

## International warranty

The RC-A is covered by an international limited warranty issued by the manufacturer for a period of 12 months from the date of delivery.

This limited warranty covers manufacturing and material defects in the device itself, but not in accessories such as batteries, cables, power supplies, etc. Problems arising from improper/incorrect handling or care, excessive use, accidents, repairs made by an unauthorized party, exposure to corrosive conditions, damage due to foreign objects entering the device or incorrect adjustments are NOT covered by the limited warranty and may void it.

The above warranty does not affect any legal rights that you might have under applicable national legislation governing sale of consumer goods. Your hearing care professional may have issued a warranty that goes beyond the clauses of this limited warranty. Please consult him/her for further information.

## **If you need service**

Take your RC-A to your hearing care professional, who may be able to sort out minor problems and adjustments immediately.



Date:

Model:

Warranty period:

Serial no.:

Hearing Center

# Technical information

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Model	RC-3B
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## **Conditions of use**

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Operating conditions	Temperature: 5 °C to 40 °C (41 °F to 104 °F) Humidity: 15 % to 93 %, relative humidity, non-condensing Operating atmospheric pressure: 700 hPa to 1060 hPa
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Storage and transportation conditions	Temperature: -25 °C to 70 °C (-13 °F to +158 °F) Humidity: 15 % to 93 %, relative humidity, non-condensing Atmospheric pressure: 700 hPa to 1060 hPa
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Mechanical dimensions	75.3 x 35 x 11.8 mm (3 x 1.4 x 0.5 inch); weight 32.7 g (incl. batteries)
Compatibility	Bernafon hearing aids with 2.4 GHz radio technology
Battery type	2 x AAAA
Battery life at normal use	12 months
Typical transmission range	Up to 1.8 m
Status indicator	Green LED

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**Transceiver**

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Operating frequency	2.402 GHz – 2.480 GHz (ISM Band)
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Number of channels	39
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Output power	< 10 dBm EIRP
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Channel of bandwidth	1 MHz
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Type of modulation	GFSK
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ITU designator	F7D
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The RC-A contains a radio transceiver using Bluetooth Low Energy (BLE). The radio transmitter is weak and always below 10 mW equal to 10 dBm in total radiated power. The RC-A complies with international standards concerning electromagnetic compatibility and human exposure.

Due to the limited space available on the RC-A, relevant approval markings can be found in this booklet.

## **USA and Canada**

This device is certified under:

FCC ID: 2ACAHREMCTR03

IC: 11936A-REMCTR03

This device complies with Part 15 of the FCC Rules and with Industry Canada's licence-exempt RSSs.

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.





### **Notice**






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

## Description of symbols used in this booklet or on the packaging label

	<p><b>Warnings</b> Text marked with a warning symbol must be read before using the device.</p>
	<p><b>Manufacturer</b> The device is produced by the manufacturer whose name and address are stated next to the symbol. Indicates the medical device manufacturer, as defined in EU Regulations 2017/745 and 2017/746.</p>
	<p><b>CE mark</b> The device complies with Medical Device Regulation 2017/745.</p>
	<p><b>Electronic waste (WEEE)</b> Recycle hearing aids, accessories or batteries according to local regulations. Hearing aid users can also return electronic waste to their hearing care professional for disposal. Electronic equipment covered by Directive 2012/19/EU on waste and electrical equipment (WEEE).</p>



	<p><b>Regulatory Compliance Mark (RCM)</b> The device complies with electrical safety, EMC and radio spectrum requirements for devices supplied to the Australian or New Zealand market.</p>
	<p><b>Japan TELEC symbol</b> Indicates mark for certified radio equipment.</p>
<div data-bbox="109 512 269 598" style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Complies with IMDA Standards DA103820</p> </div>	<p><b>Singapore IMDA label</b> Indicates that the device complies with the standards and specification published by Info-Communications Media Development Authority (IMDA) and is compatible with the public telecommunication networks in Singapore and does not cause radio frequency interference to other authorized radio-communication networks.</p>
	<p><b>Medical Device</b> The device is a medical device.</p>
	<p><b>Keep dry</b> Indicates a medical device that needs to be protected from moisture.</p>

 <b>Bluetooth®</b>	<p><b>Bluetooth Logo</b> Registered trademark of Bluetooth SIG, Inc. where any use of such requires a licence.</p>
	<p><b>Catalogue number</b> Indicates the manufacturer's catalogue number so that the medical device can be identified.</p>
	<p><b>Serial number</b> Indicates the manufacturer's serial number so that a specific medical device can be identified.</p>
	<p><b>Battery</b> Indicates type and mode of battery insertion.</p>
	<p><b>Unique device identifier</b> Indicates a carrier that contains unique device identifier information</p>

The manufacturer declares that this remote control is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

Declaration of conformity is available from the manufacturer:



SBO Hearing A/S  
Kongebakken 9  
DK-2765 Smørum  
Denmark  
[www.sbohearing.com](http://www.sbohearing.com)



Waste from electronic equipment must be handled according to local regulations.

Complies with  
IMDA Standards  
DA103820

214485/UK

< >  
8,15 mm



^  
19 mm  
v

^  
9.0 mm  
v < 15 mm >

## World Headquarters

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**bernafon**®

*Your hearing • Our passion*