

Beltone Direct Phone Link 2

Instructions for use



Welcome

Congratulations on your purchase of a Phone Link 2.

Phone Link 2 will allow you to connect your wireless Beltone hearing instruments to Bluetooth-enabled mobile phones. This enables clear and hassle-free phone connectivity, whether you are at home, in the office or on the move.

The Phone Link 2 also doubles as a basic remote control making it possible for you to adjust to volume of your hearing instruments and toggle through programs, when you are not talking on the phone.

You can also choose to mute your hearing instrument microphone to shut out environmental sound while you are talking on the phone or when using the Phone Link 2 as a remote control.

Please read this manual carefully to fully benefit from the Phone Link 2. Ask your hearing care professional if you have any questions.

For further information you can also check beltone-hearing.com.

For your safety, carefully read the chapter Important Information, on pages 25-31.

FCC ID: X26BTB-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.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications can void the user's authority to operate the equipment.

Intended use

Phone Link 2 is intended to enable wireless Beltone hearing instrument users to better follow phone conversations. The essential performance of the Phone Link 2 is to transfer signals between a phone with Bluetooth capabilities and wireless Beltone hearing instrument.

When not used for phone conversations the Phone Link 2 can also be used as a basic remote control enabling volume adjustment, programs change and hearing instrument microphone mute* functionality.

List of countries

Products are intended for use in countries within European Economic Area as well as Switzerland.

National restrictions:

Norway: You are not allowed to operate the equipment within 20 km of the centre of Ny Ålesund.

This product is in compliance with the following regulatory standards:

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.beltone-hearing.com

In US: FCC CFR 47 Part 15, subpart C, section 15.247 and 15.249.

Other identified applicable international regulatory requirements in countries outside EU and US. Please refer to local country requirements for these areas.

The product is categorized as receiver category 2 according to EN 300 440.

iC: 6941C-BTB2

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.

*Promise wireless family only.

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.

In JP:

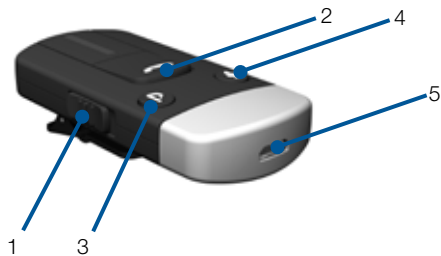
This device has been granted a designation number by Ministry of Internal Affairs and Communications under „Ordinance concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment (特定無線設備の技術基準適合証明等に関する規則)“ Article 2-1-xx “This device should not be modified (otherwise the granted designation number will be invalid)“

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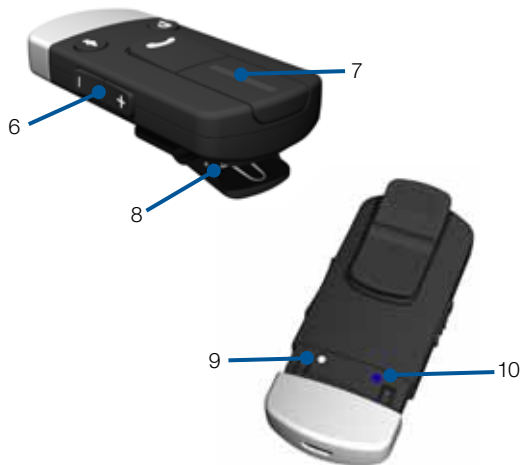
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Description

1. ON/OFF switch
2. Call pick-up/hang-up button
3. Hearing instrument program toggle
4. Hearing instrument microphone mute button
5. Micro-USB for charging



6. Volume control
7. Microphone inlet
8. Mounting clip
9. Hearing instrument pairing button
10. Bluetooth pairing button



Getting Started

Charging the Battery

Before using your Phone Link 2, you need to fully charge the rechargeable battery.

To charge it, plug the charging cable into the Phone Link 2 as shown in the picture to the right.

Then plug the other end of the charging cable into a power outlet.

During the charging process, the light indicator (LED) at the top of the Phone Link 2 will show a solid red light.

When fully charged and still connected to the charger, the LED will turn solid green interrupted by a red blink every 2 seconds.

Charging an empty battery typically takes around 3 hours. It is safe to leave the charger connected overnight – the battery cannot be overcharged.

- When charging your Phone Link 2 for the first time, leave it to charge for at least 3 hours, even if the battery indicator shows that the unit is fully charged (see section about “Light indicators”).
- For safety reasons, recharge the battery only with chargers supplied by Beltone.



Do not charge the Beltone Direct Phone Link 2 while it is on your body.

Turning your Phone Link 2 ON and OFF

To turn ON your Phone Link 2 slide the ON/ OFF switch (1 on page 8) down to the ON position. A white “I” icon will be visible on the base of the switch and the LED indicator will now blink green every 2,5 seconds.

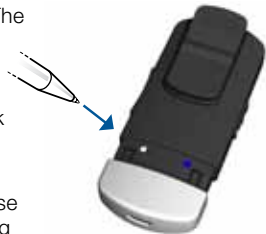
To turn it OFF, slide the ON/OFF switch up to the OFF position. The LED will now stop blinking.

If the battery level is low the LED will blink yellow every 2 seconds indicating that the unit should be recharged.

Pairing to hearing instruments

Note! The following information is intended primarily for your Hearing Care Professional, who in most cases will complete the tasks that are necessary before the Phone Link 2 can be used with your hearing instruments. However, the process is designed to be simple and should be easily accomplished by almost anyone.

1. Make sure the Phone Link 2 is turned on. Your hearing instruments must be OFF – this is done by opening the battery door on the hearing instrument(s).
2. Remove the silver cap from the Phone Link 2. With the tip of a pen or similar object, press the small white pairing button one time on the back of your Phone Link 2 (see picture to the right). The LED will now blink yellow every 2 seconds to indicate that is ready to be paired to your hearing instruments. Your Phone Link 2 will remain in pairing mode for 20 seconds.
3. While pairing mode is active, close the battery doors on both hearing instruments and make sure they are ON.



A successful pairing will be indicated by an audible melody played in both hearing instruments. Also the LED on the Phone Link 2 will remain lit (yellow) for 2 seconds.

Bluetooth Pairing

If your mobile phone is Bluetooth-enabled and supports the appropriate profiles, it can communicate with the Phone Link 2 only after completing two simple procedures: pairing and connecting.

The pairing procedure allows you to control which Bluetooth devices are permitted to communicate with each other. It needs to be completed only once for each device you wish to use with your Phone Link 2.

You can pair up to 8 Bluetooth devices with the Phone Link 2, but only 2 Bluetooth devices can be connected/active at a time.

The pairing procedure is described in the following section. Once a mobile phone is permitted to communicate with the Phone Link 2 by the pairing procedure, the connection procedure configures the device to actually output its audio signal over the Bluetooth connection. This procedure is also described in the following section.

Pairing to your mobile phone

The pairing procedure is controlled by your mobile phone. Different mobile phones have different menu structures. You should therefore refer to your mobile phone's manual if you cannot complete the pairing procedure with the generic steps described here.

1. Turn your Phone Link 2 ON and remove the silver cap. Place your mobile phone next to the Phone Link 2, and make sure your phone is ON.
2. Find the connectivity settings on your phone. Look for the “Bluetooth” feature in the main menu or one of the sub menus, such as “Connectivity”.
3. On your mobile phone, ensure that Bluetooth is turned ON.
4. With the tip of a pen or similar object, press the small blue Bluetooth pairing button one time on the back of your Phone Link 2 (see picture below). Now the Phone Link 2 will be in Bluetooth pairing mode for two minutes.
5. On the mobile phone choose to search for Bluetooth devices.
6. Your mobile phone should present a list of Bluetooth devices discovered. Select “Hearing Aid Phone” from this list.
7. Your mobile phone may then ask you to enter a passcode. If so, enter “0000” (four zeros).




Your Phone Link 2 should now be paired to your mobile phone. Some mobile phones may ask which Bluetooth service you wish to enable. Select “Headset”.

Connecting

Once your mobile phone and Phone Link 2 are paired, the mobile phone may need to be connected before it will actually send the appropriate audio signals.

This function should also appear in your mobile phone’s “Bluetooth” menu, usually under a list of “Paired Devices”. In that list, highlight your Phone Link 2 and select “Connect”.

When your Phone Link 2 and mobile phone are connected, you may see a headset symbol on the main screen of your mobile phone, similar to this: 

The connection between the Phone Link 2 and the mobile phone will be maintained for as long as both devices are turned ON and remain within range of each other. If either device is switched OFF or gets out of range, you may have to perform the connection procedure again.

On some phones you can configure “Automatic Reconnection”. We recommend that you do so if the feature is available. Refer to the user guide of your mobile phone for instructions on how to do this if supported.

Phone operation


In the table below, you will find an overview of how you operate the Phone Link 2 when using it in connection with phone calls.

Note: *Except for the answer and end call operations one or more of the below described operations may be phone dependent, i.e. they may either differ slightly or be absent altogether.*

Note: *Please be aware that unintentional phone calls can be initiated by accidentally touching/pressing the “Call Pick-up/Hang-up” button.*

Answering and ending a call	Push the call pick-up/hang-up button once	if another call is already active it will be terminated and the new incoming call - indicated by knocking tones - will become active if another call is currently on hold it will become the active call instead
Rejecting a call	Double click the call pick-up/hang-up button	if another call is already active it will remain active, only the new incoming call – indicated by knocking tones – will be rejected
Transferring a call initiated on the mobile phone to Phone Link 2	Push the call pick-up/hang-up button once	
Put an active call on hold	Press and hold the call pick-up/hang-up button for 2 seconds	if another call is currently on hold or an incoming call is pending - this will now become the active call instead



Last number redial	Double click the call pick-up/hang-up button while no call is active nor pending	if two mobile phones are connected this operation applies to the last paired mobile phone
Voice dialling	Press and hold the call pick-up/hang-up button for 2 seconds	<p>if two mobile phones are connected this operation applies to the last paired mobile phone</p> <p>This functionality requires that the Voice dialling functionality is available and activated on your Bluetooth phone</p>
Increase or decrease the volume of the speaker at the other end of the phone call	<p>Push the + sign on the side of the Phone Link 2 to increase the volume</p> <p>Push the - sign on the side of the Phone Link 2 to decrease the volume</p>	
Mute or unmute your hearing instrument microphones during a phone call	Push the microphone mute/unmute button  on the front of the Phone Link 2	This functionality is only available for the wireless Beltone Promise hearing instrument family

Remote Control operation

When not on the phone, the Phone Link 2 can be used as a simple remote control for your hearing instruments*.

Volume Control

Increasing the volume of your hearing instrument(s)

Push the + sign on the volume control (6 on page 9) to increase the volume of your hearing instrument(s).

Decreasing the volume of your hearing instrument(s)

Push the - sign on the volume control (6 on page 9) to decrease the volume of your hearing instrument(s).

Depending on the phone, you can also utilize the volume control that is built in your mobile phone.

Please note that if you have two hearing instruments changing the volume will apply to both hearing instruments in unison.

Mute or unmute the microphone(s) on you hearing instrument(s) (Only available for the wireless Beltone Promise hearing instrument family)

* For the family of wireless Beltone True hearing instruments only: The Beltone True hearing instrument(s) must be initially paired once with a Beltone Direct Remote Control (either a customer or dispenser remote control) to enable the remote control functionality in the Phone Link 2.

To mute your hearing instrument microphones push the microphone mute/unmute button (4 on page 8) once on the front of the Phone Link 2.

To unmute your hearing instrument microphones push the microphone mute/unmute button (4 on page 8) once on the front of the Phone Link 2.

Toggle through hearing instrument programs

Push the program button (3 on page 8) to toggle through available programs in your hearing instrument(s).

Operating Time

Battery consumption and the operating time of your Phone Link 2 depend greatly on the usage of the device.

Your Phone Link 2 battery can be recharged hundreds of times. If the operating time reduces substantially, please contact your hearing care professional.

Wearing Your Phone Link 2








Clip your Phone Link 2 on your sweater, jacket or other clothing so that the microphone inlet (7 on page 9) faces upwards. This ensures that the microphones in the Phone Link 2 are placed optimally to pick up your voice during phone conversations.

The Phone Link 2 has a swivel clip to ensure that you can always place it so that the microphone inlet faces upwards towards the mouth.

For optimal voice pickup keep the device within a range of 15-30 cm from your mouth.

Light indicators (LED)

The Light indicator at the top of your Phone Link 2 serves as a multipurpose user interface, providing information on the status of your device.

Blinks	Meaning
	Normal operation
	Battery low
	Charging
	Fully charged -still connected to charger
	Ready for pairing with hearing instrument(s)
	Ready for pairing with Bluetooth device
	Bluetooth call active

Introduction to Bluetooth

What is Bluetooth?

Bluetooth provides a way for devices like mobile phones to communicate wirelessly.

First, check whether the phone you wish to use offers Bluetooth connectivity. Look for the following symbol on the device or its user guide.



Second, the range of possible applications on a Bluetooth-enabled device is defined by “profiles”. The device you wish to use with your Phone Link 2 must support the appropriate Bluetooth profiles.

To receive or place phone calls your mobile phone must support either the “handsfree” or the “headset” profile. Many, but not all mobile phones support these Bluetooth profiles. Look for this information in your mobile phone user guide.

Bluetooth Operating Range

In free air, your Phone Link 2 supports Bluetooth operation up

to a range of approximately 10 meters. Line-of-sight between the devices is not required. However, the following factors may affect the maximum range:

- Interference in the environment
- The mobile phone which you are connecting to may support a more limited range than the 10 meters supported by the Phone Link 2

If your mobile phone moves out of range, the connection will be terminated. If the device is then moved again within the range, the Phone Link 2 will attempt to re-establish connection. Whether it achieves to do so will depend on delay since the link was broken and on the mobile phone properties.

Important Information

Maintenance and Care

- Clean the Beltone Direct Phone Link 2 using a damp cloth. Never use household cleaning products (washing powder, soap etc...) or alcohol to clean the device
- When Beltone Direct Phone Link 2 is not in use, turn it OFF and store it safely
- Protect Beltone Direct Phone Link 2 from excessive moisture (bathing, swimming) and heat (radiator, car dashboard). Protect it from excessive shock and vibration.
- Protect the microphone and charger inlets from debris and dirt. If necessary, use the cleaning brush provided with your hearing instruments to clean these areas.

General warnings

- Keep this device out of reach of children
- Beltone Direct Phone Link 2 uses low-powered digitally coded transmissions in order to communicate with other wireless devices. Although unlikely, nearby electronic devices may be affected. In that case, move the Beltone Direct Phone Link 2 away from the affected electronic device.
- When using Beltone Direct Phone Link 2 and the device is affected by electromagnetic interference, move away from the source.

- Avoid exposing your product to rain, moisture or other liquids to protect against damage to the product or injury to you.
- Keep the product and any cords and cables away from operating machinery.
- If the product overheats, if the product has been dropped or damaged, if the product has a damaged cord or plug, or if the product has been dropped into a liquid, discontinue use and contact your hearing care professional.
- Dispose of the product according to local standards and regulations.
- Do not use in areas where there are explosive hazards.

Ignition of flammable atmospheres

- Do not use the product in environments where there is a danger of ignition of flammable gasses.



General Precautions

- Do not use this device in locations where it is forbidden to use electronic devices.
- X-ray radiation (e.g. CT scans, MRI scans) may adversely affect the correct functioning of this device. We recommend that you switch the device OFF before undergoing X-ray procedures and keep it outside the room.
- High-powered electronic equipment, larger electronic installations and metallic structures may impair and significantly reduce the operating range.
- If the hearing instruments do not respond to the device because of an unusual field disturbance, move away from the disturbing field.
- Your hearing instruments and this device were given a unique communication code during the fitting. This ensures that the device will not affect hearing instruments worn by others.
- Do not make any changes or modifications to this device.
- Opening the Beltone Direct Phone Link 2 might damage it. If problems occur which cannot be resolved, consult your hearing care professional.
- Beltone Direct Phone Link 2 may only be repaired by an authorized service center.


- Do not use the Phone Link 2 in areas where RF transmission is prohibited, e.g. air planes etc.
- Do only connect the Phone Link 2 to connections which it is explicitly intended for.

BUILT-IN BATTERY CARE:  Please observe the following if the product contains a battery

- Your product is powered by a rechargeable battery.
- The full performance of a new battery is achieved only 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 electrical plug 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, such as in a closed car in the summer conditions, will reduce the capacity and lifetime of the battery.
- A product with a cold battery may not work temporarily, even when the battery is 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 mistreated.
- Do not attempt to open the product or replace the battery. It is built-in and not changeable. Use of other batteries may present a risk of fire or explosion and the warranty will be terminated.
- The battery in your product can not be removed or replaced by the user. Any attempt to do so is risky and may result in damage of the product.
- Only recharge the Beltone Direct Phone Link 2 only with a power supply unit that has been supplied together with the product.
- Dispose of batteries according to local regulations. Please recycle when possible.
- Do not dispose the battery as household waste or in a fire as it may explode.
- Batteries may explode if damaged.

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 any other types may damage or destroy the product and could be dangerous. Use of other chargers may invalidate any approval or warranty.
- For availability of approved enhancements, please check with your hearing care professional.
- Charge the product according to the instructions supplied with the product.

Charger warning! 

- When you disconnect the power cord or any enhancement, grasp and pull the plug, not the cord.
- Never use a charger that is damaged.
- Do not attempt to disassemble the charger as it may expose you to 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.

- Do not charge the Beltone Direct Phone Link 2 while it is on your body.

Technical specifications

Operating range:	up to 3 m
Wireless:	2.4 GHz
Operating temperature:	0 to 45 °C
Charging temperature:	0 to 45 °C
Storage temperature:	-20 to 45 °C

Temperature test, transport and storage information

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.

Warranty

The Beltone Direct Phone Link 2 is covered by a limited warranty issued by the manufacturer for a period of 12 months from the day of the original purchase. Please notice that extended warranties may apply in your country. Please contact your local Hearing Care Professional for more information.

What is covered by this warranty?

Any electrical component, that because of workmanship, manufacturing or design defects fails to function properly under normal use during life of this warranty will be replaced or repaired at no charge for parts or labour when returned to the point of purchase.

If it is determined that repair is not feasible, the entire unit may be replaced with an equivalent unit upon mutual agreement of the Hearing Care Professional and the customer.

What is not covered by this warranty?

Problems arising from improper handling or care, excessive use, accidents, repairs made by an unauthorized party, exposure to corrosive conditions or damage due to foreign objects entering the device 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 products. Your Hearing Care Professional may have issued a warranty that goes beyond the clauses of this limited warranty. Please consult your Hearing Care Professional for further information.

Serial number: _____

Date of purchase: _____

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	POSSIBLE REMEDY
<i>The Phone Link 2 does not respond to any (long or short) presses on the call pick-up/hang-up button</i>	The battery in the Phone Link 2 is depleted	Charge the battery
<i>The pairing button on the Phone Link 2 is pressed but no pairing melody is played in the hearing instrument after the battery doors have been closed</i>	The Phone Link 2 and hearing instrument are not within wireless range	Assure that Phone Link 2 and hearing instruments are within wireless range, and repeat pairing process
	The Phone Link 2 and hearing instrument have not been simultaneously in pairing mode	Repeat pairing process, and assure that the battery doors on both hearing instruments are closed within 20 seconds after the pairing button has been pressed on the Phone Link 2
<i>The Phone Link 2 cannot be found by the mobile phone when searching for it in the Bluetooth menu</i>	The Phone Link 2 and mobile phone are not within wireless range	Assure that Phone Link 2 and mobile phone are within wireless range, and repeat Bluetooth pairing process
	The Phone Link 2 is not in Bluetooth pairing mode	The Phone Link 2 is only in Bluetooth pairing mode for 120 seconds after having been activated. Repeat the Bluetooth pairing process

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	POSSIBLE REMEDY
<i>The Bluetooth pairing failed</i>	The Phone Link 2 left Bluetooth pairing mode before mobile phone completed the pairing session	Repeat the Bluetooth pairing process, and assure that the process is completed within 120 seconds after having been activated in the Phone Link 2
	The wrong 4-digit PIN code has been entered	Repeat the Bluetooth pairing process and if a PIN code is requested, enter 0000 (four zeros)
<i>The mobile phone is ringing but the light indicator on the Phone Link 2 does not flash, and no ring tones will sound in the hearing instruments</i>	The Phone Link 2 is powered off	Power on the Phone Link 2
	The Phone Link 2 and mobile phone have not been paired	Perform the Bluetooth pairing process and make a Bluetooth connection between the Phone Link 2 and the mobile phone
	The Bluetooth connection between the Phone Link 2 and the mobile phone is lost	As for any details of the Bluetooth operation of the mobile phone, please refer to its user guide

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	POSSIBLE REMEDY
<i>The mobile phone is ringing and the light indicator on the Phone Link 2 does flash, but no ring tones will sound in one or both hearing instruments</i>	<p>The Phone Link 2 and hearing instruments are not within wireless range</p> <p>The battery in the hearing instruments is so depleted that it no longer supports audio streaming</p>	<p>Assure that Phone Link 2 and hearing instruments are within wireless range</p> <p>Replace the battery in the hearing instrument with a new one</p>
<i>The remote user does not hear my voice clearly</i>	<p>The Phone Link 2 microphone does not pick up your voice correctly</p>	<p>Assure that the Phone Link 2 microphone is kept close to your mouth, and that the Phone Link 2 does not rub against any clothing during the call</p>
<i>The sound from the hearing instruments is either too low or too high</i>	<p>The audio input level is not suitable for listening</p>	<p>Adjust the volume on the mobile phone until the sound is suitable, or adjust the volume using the "+" and "-" keys on the Phone Link 2 until the sound is suitable.</p> <p>Alternatively (option), use the "+" and "-" keys on the Remote Control for doing this operation</p>
<i>The hearing instruments are in the phone program, but there is no sound</i>	<p>The Phone Link 2 and hearing instruments are not within wireless range</p>	<p>Assure that Phone Link 2 and hearing instruments are within wireless range</p>

Be aware of information marked with the warning symbol



WARNING points out a situation that could lead to serious injuries,

CAUTION indicates a situation that could lead to minor and moderate injuries



Advice and tips on how to handle your Beltone Direct Line accessory better



Equipment includes RF transmitter



Product is a Type B applied part



“Made for iPhone” means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPhone may affect wireless performance.



Please ask your local hearing care professional concerning disposal of your Beltone Unite accessory



Any issues relating to the EU Medical Device Directive 93/42/EEC and R&TTE Directive 1999/5/EEC should be directed to GN Hearing A/S, Lautrupbjerg 7, DK 2750 Ballerup, Denmark



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