



 **mini
Media** 

Instructions for Use

You Have Chosen a Hearing System from HANSATON

We take pleasure in your choice and congratulate you on your decision, because with a HANSATON hearing system, you own a high-quality product of the most modern technology.

For more than 50 years, we have been helping people with our devices to achieve better hearing and better speech understanding, thus a higher quality of life.

Your hearing systems equipped with i-com2 technology can be controlled by your new miniMedia remote control. This remote control offers you more hearing comfort in your everyday life situations.










Using Bluetooth, it links your hearing systems to the expanding world of electronic media. It will support you when you watch television, listen to music, or talk on the phone. In this operating manual, you will find useful tips on fitting, use and maintenance. If you have further questions, please contact your hearing system professional.

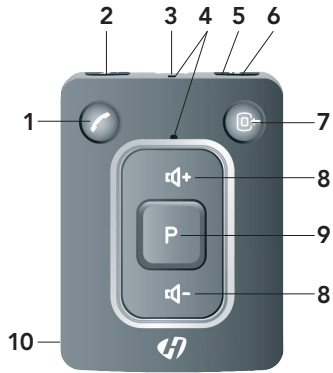
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miniMedia Delivery

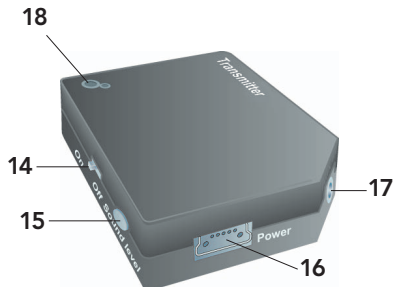
miniMedia with Lanyard and Clip

- 1  Telephone button
- 2  Stand-by for hearing systems; mute
- 3 Lanyard attachment
- 4 Microphone openings
- 5 Power-LED
- 6  miniMedia On/Off
- 7  Audio source button
- 8  Volume up/Volume down
- 9  Program change button
- 10  2,5 mm stereo socket
- 11 Slots for fixing the clip
- 12  DAI port for FM receiver (Direct Audio Input)
- 13  Socket for power plug



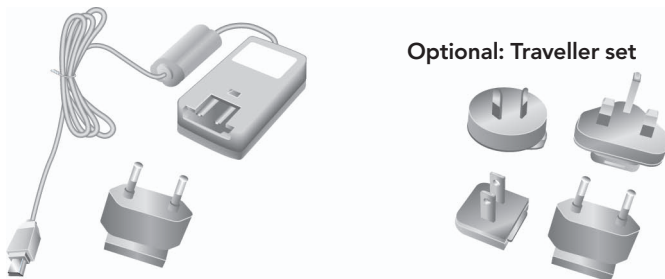
Transmitter

- 14 On/Off switch
- 15 Sound level
- 16 Socket for power plug/charging cable
- 17 2,5 mm stereo socket
- 18 LED



2 Power Plugs with Country Specific Adapters

(one for remote control, one for Transmitter)



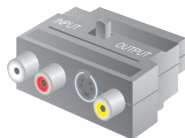
Cables

- 1.8 m audio cable with 3.5 mm stereo plug on one side and a 2.5 mm stereo plug on the other side
- 0.3 m audio cable with 3.5 mm stereo plug on one side and a 2.5 mm stereo plug on the other side



Adapter

- 2.5 mm stereo plug to 3.5 mm stereo socket
- 6.3 mm stereo plug to 3.5 mm stereo socket
- RCA (cinch) to 3.5 mm stereo socket
- RCA (cinch) to SCART






Intended Use

This remote control is intended to operate hearing systems. Read and follow the instructions of this user guide to avoid injuries or damage to remote control.

Symbols

Be aware of information marked with the warning symbol

WARNING!, **CAUTION!**, or **NOTICE!**

	<p>WARNING! indicates a situation which can result in serious injuries.</p> <p>CAUTION! indicates a situation which can result in minor to moderate injuries.</p>
<p>NOTICE</p>	<p>NOTICE indicates possible property damage.</p>
	<p>Advice and tips on how to handle your hearing system better.</p>
	<p>Instruction. Indicates that there is something you must do.</p>

General Notes on Safety

WARNING!

Wireless systems may interfere with measuring devices and electronic equipment.

- Turn the remote control off when in hospitals or airplanes.
- Prior to use in conjunction with an electronic implant or life supporting system, have the electromagnetic compatibility verified.

WARNING!

Risk of interference with cardiac pacemakers.

- Do not use the remote control if you are fitted with a cardiac pacemaker.

WARNING!


Strangulation hazard when lanyard gets entangled in e.g. moving mechanical parts of machines.

- Use only the delivered breakaway lanyard. It will automatically detach when entangled.

NOTICE

The remote control is sensitive to extreme heat, high humidity, strong magnetic fields ($> 0.1T$), X-rays and mechanical stress.

- Do not expose the remote control to extreme temperature or high humidity.
- Do not leave it in direct sunlight.
- Do not immerse it in water.
- Do not place your remote control in a microwave oven.

 The performance of the i-com2 function may be affected by electromagnetic interference – e.g. from a computer monitor or fluorescent lamp system.

- Move away from the source of interference if you experience difficulty.

i In the event your hearing systems can be controlled by another person's remote control, return hearing systems and remote control to your hearing system professional.

i In some countries restrictions for the usage of wireless equipment exist.

- Refer to local authorities for further information.

! WARNING!

Risk in explosive environments (e.g., mining areas)!

- Do not use your hearing systems (and remote control) in areas where there is a danger of explosions.

NOTICE

Only use the original power adapter supplied (model no. KSAA0500080W1UV-1; input: 100-240 V ~, 50-60 Hz, 180 mA output: 5 V, 800 mA, protection class II, only for indoor use).

Operating temperature: charge min. 0°C to max. 45°C; discharge min. -20°C to max. 60°C

NOTICE

Please make sure that the power plug is easily accessible to remove it from power supply if necessary.

! WARNING!

Choking hazard posed by small parts.


- Keep batteries, small parts, and remote control out of children's reach.
- If swallowed, immediately consult a physician or hospital.

Safety Notes for Batteries

WARNING!

Risk of explosion when the rechargeable battery is handled wrong.

- Do not remove the battery from the remote control.
- Do not short circuit, pierce, crush, or disassemble the rechargeable battery.
- Do not place in oven or fire.
- Do not immerse in water.

 Do not dispose of batteries/rechargeable batteries in household trash. Return them to your hearing system professional for environmentally correct disposal.

Basic Functions

Before First Use

- Charge miniMedia before first use.

Charging

- Connect miniMedia with the power plug to a power supply.
- Charging is complete when the power LED shines green.

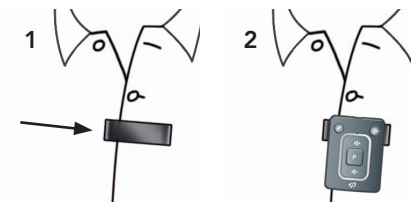
Power LED State

	Accu full	Accu nearly empty
miniMedia off	off	off
miniMedia on	flashes green	flashes red
miniMedia off/ charging	green constantly	red constantly
miniMedia on/ charging	pulses green	pulses red
Turning off miniMedia	green/turns off slowly	red/turns off slowly
Turning on miniMedia	green for 3 seconds, then flashes green	red for 3 seconds then flashes red



If the miniMedia is switched on when the accu is almost flat, the LED flashes red for 3 seconds and the remote control switches off again.

Wearing miniMedia


- Wear miniMedia no further than 60 cm (24 inches) away from the hearing systems.
- Use lanyard or clip to wear miniMedia.





Turning miniMedia On/Off

- Press  for about 3 seconds to turn miniMedia on. All LEDs (telephone button, audio source button, On/Off) shine for 3 seconds, then only the power LED shines.
- Press  for about 3 seconds to turn miniMedia off. All LEDs (telephone button, audio source button, On/Off) shine for 3 seconds, then turn off slowly.



Changing the Hearing Program


- Press , to change the hearing program.
Each time you press the program button, your hearing systems switch to the next program, confirming each change with an acoustic signal. Manually-accessible programs are programmed in by a hearing system professional.

Changing the Volume

- Press +, to increase the volume.
- Press , to decrease the volume.

Turning the hearing systems On/Off

- Press  for about 3 seconds to turn your hearing systems off (stand-by).
- Press  for about 3 seconds to turn the hearing systems back on.




 Your hearing system professional can activate or deactivate audible signals in your hearing systems. Audible signals confirm changes in the settings, such as program, or volume.

WARNING!

Wireless systems may interfere with measuring devices and electronic equipment.

- Turn the remote control off when in hospitals or airplanes.
- Prior to use in the vicinity of electronic implants or other medical devices, have the electromagnetic compatibility verified.


Changing the External Audio Source



- Press , to change the external sources.
- Each time you press  your miniMedia switches to the next available external source.
- If the button  is pressed once only, miniMedia automatically searches for available audio sources in the order indicated below. If an available audio source is found, it is activated and the search process is stopped. If no audio source is found, miniMedia switches back to the hearing programs

Sequence of external source (if connected)



- FM transmitter (using the FM input, DAI)
- Direct audio input (2.5 mm stereo socket)
- First transmitter
- Second transmitter
- Third party Bluetooth transmitter
- Induction coil

 Your hearing system professional has to configure your miniMedia for external devices.

 The direct audio input, the first and the second transmitter use the same audio program, therefore the number of signal tones is the same when switching between these audio sources.


- Signal tones sound when switching between external audio sources.
- While using an external audio source you can press , to turn the microphones of your hearing systems off and on again.
- Press the program button , to stop listening to the external audio source and switch back to the hearing programs.

The hearing systems will switch automatically to the telephone program when your phone rings.

- Press , to answer the phone.
- Press , to terminate the call.

Your hearing systems will change back to the prior used audio program after terminating the call.

OR



- Press  for about 3 seconds to reject the call.

Bluetooth

Bluetooth is a wireless standard that provides a way to connect wireless devices like cell phones, TV, headsets and others.

Using a Bluetooth connection, the devices can exchange information such as data, sound or even control commands.

The range of the Bluetooth connection between the remote control and the Bluetooth transmitter is approximately 10m. Walls or objects between the devices can shorten this distance.

 The Bluetooth symbol  denotes if a device is Bluetooth compatible.

The miniMedia can be paired via Bluetooth with up to two phones, two transmitters and a third party Bluetooth transmitter (e.g. MP3 player or laptop) at the same time.

The following chapters give instructions about how to connect your phone, TV or MP3 player with your hearing systems.



Using miniMedia with Cell phones and Landline Phones

When you are making a call with a Bluetooth compatible phone or cell phone, the miniMedia allows you to use your hearing systems as a wireless headset.

Instead of using the telephone microphone, you speak into miniMedia and listen through your hearing systems.


Pairing

Before you can use miniMedia with your phone, you need to pair them:

- Press  for about 3 seconds to turn miniMedia on.
- Activate the Bluetooth function in your phone.
- Press  for about 5 seconds to start pairing miniMedia with your phone.



When pairing mode has been activated, all 3 buttons (On/Off button, telephone button and audio source button) shine for 3 seconds, then the telephone button flashes.

- Search in the menu of your phone for other Bluetooth devices.
- Choose „RCU Connect“ to pair miniMedia and the phone.
- Enter the PIN „0000“ if requested.

 Refer to the user guide of your connected device for more detailed information on how to link devices via Bluetooth.

Accepting an Incoming Call

The hearing systems will switch automatically to the telephone program when your phone rings.

- Press , to accept the incoming call.
- Speak into miniMedia's microphone to talk.
- Press  again, to terminate the call.



Your hearing systems switch back to the hearing program or audio source you were using before the call.


 If paired with two phones, miniMedia uses different ring tones to distinguish incoming calls.

Rejecting an Incoming Call

- Press  for about 3 seconds to reject the incoming call if supported by the phone.

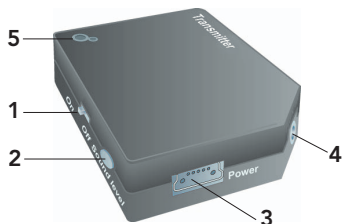
Making a Call

- Dial the required telephone number on your telephone and initiate the dialing process.
- Press  twice to transfer the connection from your phone to the miniMedia. miniMedia can now be used for telephoning.
- Press  twice to transfer the connection from the miniMedia back to the phone. It is then not possible to telephone with miniMedia.

If your phone transfers the connection automatically you do not need to press .

Using the Transmitter

- 1 On/Off switch
- 2 Sound level
- 3 Socket for power plug/
charging cable
- 4 2.5 mm stereo socket
- 5 LED



Before First Use

- Charge transmitter before first use.

Charging the Transmitter

- Connect the transmitter with the power plug to a power supply. While charging the LED shines red. Charging time is about 5 hours depending on the status of the rechargeable battery. The transmitter can also be connected permanently to a power supply with a mains plug.

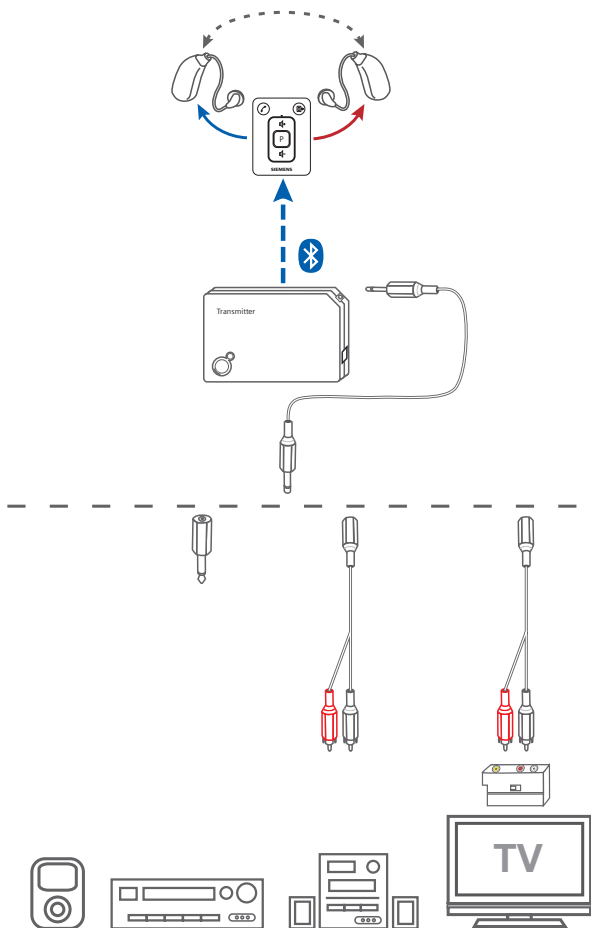
Turning the Transmitter On/Off




- Use the On/Off switch to turn the transmitter on. The LED flashes blue while searching for a connection to the miniMedia, then the LED shines blue.
- Use the On/Off switch to turn the transmitter off.
- Turn the transmitter off when it is not in use.

Sound Level

- Press the sound level button to change the volume of the audio signal. The LED flashes blue. The number of times the LED flashes (up to 5), indicates the volume level.

Receiving the Audio Stream from an External Device



- Connect the transmitter with the power plug to a power supply or charge the rechargeable battery regularly.
- Use one of the supplied cables to connect the transmitter to an external device (refer to graphic on previous page).
- Press  for about 3 seconds to turn the miniMedia on.
- Use the On/Off switch to turn the transmitter on.
- Press  on miniMedia to change to the audio program (see chapter “basic functions” for information about the sequence of external sources).
 flashes while searching a connection to the transmitter and shines constantly after it is established.
The LED on the transmitter confirms that the Bluetooth audio link is established (constantly blue).
- Start the audio transmission on your device. You can now hear the sound from your external device through your hearing systems.


You can use a second transmitter, which is available as an accessory. This way the first transmitter can always remain connected to your preferred device while the second transmitter is connected with another device (e.g. a second TV in your bedroom).



Using the Direct Audio Input (2,5 mm stereo socket)

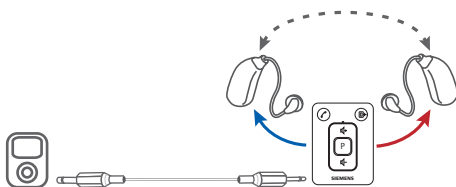
WARNING!


Risk of injuries caused by electric shock!

- Connect audio input only to a device conforming to IEC 60065 (IEC-Norm for audio, video and other electronic devices).

 • While charging do not use the direct audio input with devices that are connected to the power supply.

- Press  for about 3 seconds to turn miniMedia on.
- Use the supplied cables and adapters to connect the external device and miniMedia.
- Press , to change to the audio program (see chapter “basic functions” for information about the sequence of external sources).





If you press  without an audio device connected to it, miniMedia will search for a connection to other audio sources.

Using miniMedia with a Third Party Bluetooth Transmitter

miniMedia can be connected via Bluetooth with a third party Bluetooth transmitter (e.g. iPhone, iPod, BlackBerry, MP3 player, laptop).


Pairing


- Press  for about 3 seconds to turn miniMedia on.
- Activate the Bluetooth function in your device.
- Press  on your miniMedia for more than 5 seconds to prepare your miniMedia for pairing.

When pairing mode has been activated, all 3 buttons (on/ off button, telephone button and audio source button) shine for 3 seconds, then the telephone button flashes.

- In the menu of your device choose „Bluetooth setup“.
- Choose „RCU Connect“ to pair miniMedia and the third party Bluetooth transmitter.
- Enter the PIN „0000“ if requested.



Using

- Start the audio transmission on your device.
You can now hear sound from your device through your hearing systems via Bluetooth.
- If the sound does not start automatically press  to change to the audio program (see chapter “Basic functions” for information about the sequence of external sources).

 Refer to the user guide of your connected device for more detailed information on how to link devices via Bluetooth.

Using miniMedia with a Public Loop System

Your miniMedia is equipped with an induction coil. This is intended for using induction loops, e. g. in churches, theaters or lecture rooms.

- Press  for about 3 seconds to turn the miniMedia on.
- Press  to change to the public loop receiver (see chapter „Basic functions“).



You can now hear the sound from the public loop system through your hearing systems.

The hearing systems will switch automatically to the telephone program when your phone rings and will change back to the public loop system after telephoning.

Accessories

FM System (Using the Direct Audio Input, DAI)

Your miniMedia can be connected to an FM system. This enables you to use FM systems even with hearing systems which are not equipped with an audio shoe. FM systems help to improve speech understanding in difficult listening situations and are frequently used in schools.

- Press  for about 3 seconds to turn the miniMedia on.
- Switch the FM system on.
- Connect the FM receiver with the DAI port of the miniMedia.
- Press  on the miniMedia to switch to the FM system.

You can now hear sound from the FM system through your hearing systems.

Hearing systems switch automatically to the telephone program when your telephone rings and switch back to the FM system after you end the call.

Maintenance and Care

- Clean the remote control as necessary with a soft tissue.
- Avoid abrasive cleaning liquids with additives such as citric acids, ammonia, etc.

NOTICE

- Do not put your remote control in water!
- Do not clean your remote control with alcohol or benzene.



Technical Information

HANSATON miniMedia
FCC ID: WU7-WL500

Operating frequencies: $F_c = 3.28 \text{ MHz}$
Max. field strength @ 10 m: $-24.1 \text{ dB}\mu\text{A/m}$
Max. field strength @ 30 m: $-6.2 \text{ dB}\mu\text{V/m}$

CE and FCC compliance information can be found on the back of the remote control.

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

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following 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.

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.

HANSATON miniMedia Transmitter

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Disposal Information

-  • Recycle the device and batteries according to national regulations.

With the CE marking HANSATON confirms compliance with the European Directive 93/42/EEC concerning medical devices and the European Directive 99/5/EC (R&TTE) concerning radio and telecommunications terminal equipment.



FDA Information (valid for USA only)

Use Your Hearing Systems All Day Long

The best way to ensure better hearing is to practice listening with your hearing systems until you are able to wear them comfortably all day.

Generally, infrequent use of the hearing system does not provide you with the full benefit of amplification.

Your hearing systems will not restore normal hearing. Hearing systems will not prevent or improve hearing impairment resulting from a physiological condition. Hearing systems will help you to make better use of your residual hearing.

The use of hearing systems is only part of hearing rehabilitation; auditory training and lip reading instruction may be required as well.

Possible Side Effects

The hearing system or earmold is a custom-made product. If you are experiencing discomfort, see your audiologist or hearing system dispenser immediately for modification of the hearing system or earmold at the point of irritation. A hearing system or earmold may cause an accelerated accumulation of cerumen (earwax). Also in rare cases, the otherwise non-allergenic material may cause a discharge from the ear, allergic reaction, or any other unusual condition. Please seek immediate consultation with a physician if these conditions occur.

Warning to Hearing System Professionals

A hearing system dispenser should advise a prospective hearing system user to consult promptly with a licensed physician (preferably an ear specialist) before dispensing a hearing system if the hearing system dispenser determines through inquiry, actual observation, or review or any other available information concerning the prospective user, that the prospective user has any of the following conditions:

- (i) Visible congenital or traumatic deformity of the ear.
- (ii) History of active drainage from the ear within the previous 90 days.
- (iii) History of sudden or rapidly progressive hearing loss within the previous 90 days.
- (iv) Acute or chronic dizziness.
- (v) Unilateral hearing loss of sudden or recent onset within the previous 90 days.
- (vi) Audiometric air-bone gap equal to or greater than 15 decibels at 500 hertz (Hz), 1000 Hz and 2000 Hz.

(vii) Visible evidence of significant cerumen accumulation or a foreign body in the ear canal.

(viii) Pain or discomfort in the ear.

Special care should be exercised in selecting and fitting a hearing system whose maximum sound pressure level exceeds 132 decibels because there may be risk of impairing the remaining hearing of the hearing system user.

Important Notice for Prospective Hearing System Users

Good health practice requires that a person with a hearing loss have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear) before purchasing a hearing system.

Licensed physicians who specialize in diseases of the ear are often referred to as otolaryngologists, otologists, or otorhinolaryngologists. The purpose of medical evaluation is to assure that all medically treatable conditions that may affect hearing are identified and treated before the hearing system is purchased.

Following the medical evaluation, the physician will give you a written statement that states that your hearing loss has been medically evaluated and that you may be considered a candidate for a hearing system. The physician will refer you to an audiologist or a hearing system professional, as appropriate, for a hearing system evaluation.

The audiologist or hearing system professional will conduct a hearing system evaluation to assess your ability to hear with and without a hearing system. The hearing system evaluation will enable the audiologist or dispenser to select and fit a hearing system to your individual needs.

If you have reservations about your ability to adapt to amplification, you should inquire about the availability of a trial-rental or purchase-option program. Many hearing system professionals now offer programs that permit you to wear a hearing system for a period of time for a nominal fee after which you may decide if you want to purchase the hearing system.

Federal law restricts the sale of hearing system to those individuals who have obtained a medical evaluation from a licensed physician. Federal law permits a fully informed adult to sign a waiver statement declining the medical evaluation for religious or personal beliefs that preclude consultation with a physician. The exercise of such a waiver is not in your best health interest and its use is strongly discouraged.

Children with Hearing Loss

In addition to seeing a physician for a medical evaluation, a child with a hearing loss should be directed to an audiologist for evaluation and rehabilitation since hearing loss may cause problems in language development and the educational and social growth of a child. An audiologist is qualified by training and experience to assist in the evaluation and rehabilitation of a child with a hearing loss.

Identification Information

The year of manufacture is incorporated into the serial number. The warranty is based upon the date of purchase, not date of manufacture. The serial number may look similar to this sample: AJ12345. The second letter of this serial number refers to the date of manufacture of the hearing system. The letters progress in one-year increments, each reflecting the corresponding year. The letter J means the year of manufacture is 2002, the letter K indicates that the manufacture year is 2003, and so on. Your hearing system professional can answer any questions you may have about the identifying code on your hearing system.



OTHER WARNINGS!

- Do not use your hearing system in potentially explosive environments.
- If you experience dizziness, drainage or bleeding from the ear, or sudden hearing loss, see your Physician immediately.
- A hearing system may cause an accelerated accumulation of cerumen (earwax).
- Keep hearing systems out of the reach of children, pets, and individuals with diminished mental capacity.
- Hearing systems should be used only as directed and adjusted by your trained hearing system professional .
- A hearing system may stop functioning, e.g. if the battery goes dead. You should be aware of this possibility, in particular if you are in traffic or otherwise depend on warning sounds.
- Do not switch hearing systems between ears or allow others to wear or use your hearing systems.

- HEARING SYSTEMS WILL NOT RESTORE NORMAL HEARING AND WILL NOT PREVENT OR IMPROVE A HEARING IMPAIRMENT RESULTING FROM ORGANIC CONDITIONS.
- IN MOST CASES, INFREQUENT USE OF A HEARING SYSTEM DOES NOT PERMIT USER TO ATTAIN FULL BENEFIT FROM IT.
- THE USE OF THE HEARING SYSTEM IS ONLY PART OF HEARING HABILITATION AND MAY NEED TO BE SUPPLEMENTED BY AUDITORY TRAINING AND INSTRUCTION IN LIP READING.

Your hearing system professional ·
Su audioprotesista · Votre audioprothésiste:



Distributed by

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2011-07 SP

74200

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