RIONET

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CE 0123

DIGITAL HEARING AID

HB-G5DR

Instruction Manual

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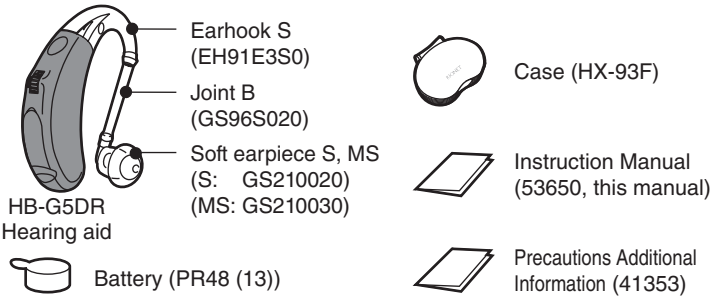
HOW TO USE YOUR FIRST HEARING AID

- Any hearing aid cannot return level of your hearing to normal or halt further hearing deterioration, but proper use of your hearing aid can help you hear what is going on around you and let you get more enjoyment of life.
- If this is your first hearing aid, you - like most new users - will probably be surprised at the loudness of the sounds, and after using it for a short while, you may even feel that it is too noisy. The following three tips are important in overcoming your concerns.
  1) Read this manual and become familiar with the hearing aid's various mechanisms and how to use them correctly.
  2) First, use your hearing aid in a quiet place and listen to quiet sounds and give yourself sufficient time to get accustomed to the sound of your hearing aid.
  3) If any physical problems develop, consult your doctor.

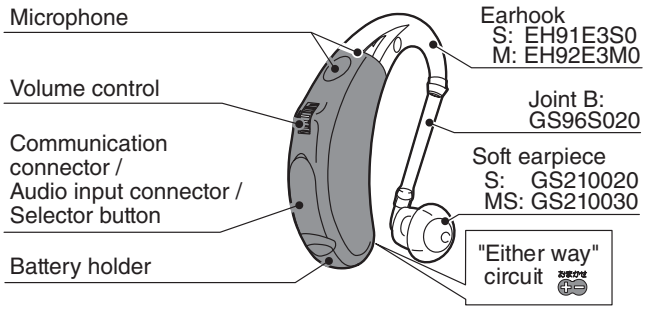
INSIDE THE HEARING AID BOX

Check the all items illustrated below are contained in the box.



OPERATING INSTRUCTIONS

Parts and Controls



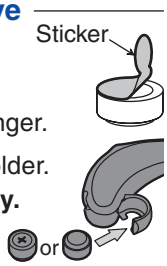
- The parts drawn right side of the above picture are consumables. Please ask the dealer to buy them.
- The communication connector serves for adjustment of the hearing aid by the hearing aid professional.

Directionality feature

This feature reduces sounds from the back and sides, making it easier to hear sounds coming from in front.
The two microphones are constantly detecting the direction noise is coming from.

⚠ When using this feature, alarm sounds from the rear will also be reduced.

Battery Placement/Life/Change/Remove



1. Peel off the sticker on the positive side of battery (PR48 (13) zinc-air battery).
2. Open the battery holder with the tip of your finger.
3. Insert a PR48 (13) battery into the battery holder. **You do not have to worry about the polarity.**
4. Close the battery holder.

Battery life (PR48 (13), for continuous use)
Approx. 360 hours
- Battery life will change depending on the operating condition.
- When the battery is almost depleted, a warning beep sounds. This is not a malfunction. This warning beep sounds every five minutes. Depending on operating conditions, however, the battery may run out of charge before the next beep sounds.

Be sure to remove the battery when the hearing aid is not to be used.

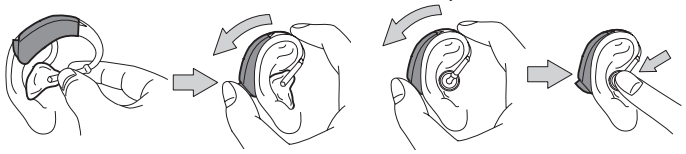
Putting on Hearing Aid

This hearing aid does not have a power switch. The battery holder also functions as power switch.

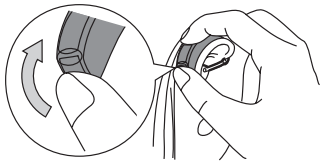
Power/OFF: Open the battery holder.
Power/ON: Close the battery holder firmly.

1. Open the battery holder slightly, so that the hearing aid is set to the OFF condition.

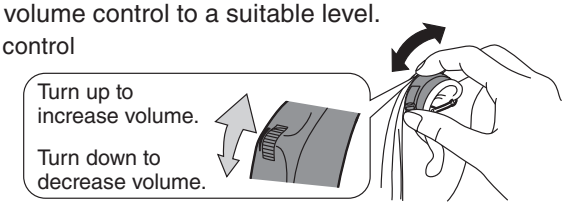
2. Place the hearing aid on the ear.
   - Earmold
   - Earpiece



3. Turn the power on.



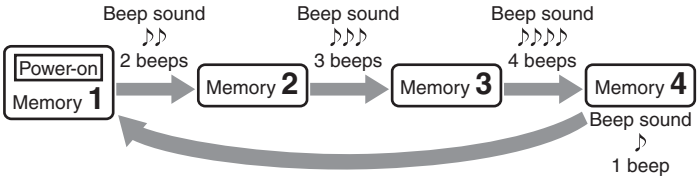
4. Adjust the volume control to a suitable level.
   - Volume control



* Adjust the volume according to the situation (volume of other voices, ambient noise, etc.).
* A beep sounds each time you change one level on the volume control. Even after you have reached the maximum or minimum volume, you will still be able to turn the control.
- The beep sounds three times when you reach either the minimum or maximum level.

- Memory switching
  The selector button gives access to four different memory settings *. Using the selector button in the way shown below lets you switch between the settings. When power to the hearing aid is turned on (the battery holder is closed), the setting will be "Memory 1". Depending on the environment (noisy location, quiet location, etc.) you may want to change the setting. When you operate the button, a beep sound pattern indicates the change.

* These have been optimized for your individual requirements. There may be from 1 to 4 different memory settings.



Turn-on precaution

If the hearing aid is turned on again immediately after turning it off, there may be no sound, but this is not a defect. In such a case, turn the power off (open battery holder) and wait 10 seconds. Then turn the power on again (close battery holder).

Adjusting the Controls

This hearing aid is a digital type. Any adjustments must be done at the dealer. For details, please contact the dealer.

TECHNICAL DATA (According to ANSI standard S3.22 2003)

Maximum-OSPL90	127 dB (850 Hz)
HFA-OSPL90	123 dB
HFA-full-on Acoustic Gain	55 dB
Reference Test Gain	46 dB
Frequency Range	200 Hz to 5000 Hz
Equivalent Input Noise Level	27 dB
Total Harmonic Distortion	500 Hz: 1% 800 Hz: 1% 1600 Hz: 1%
HFA-SPLITS (HFA-SPLIV)	108 dB (111 dB at 31.6 mA/m)
AGC (Attack/Recovery Time)	Input AGC/Output AGC Attack: 4 msec Recovery: 80 msec
Battery Type/Supply Voltage	13/1.4 V
Battery Current	0.73 mA
Battery Life	Approx. 360 hours
Dimensions/Weight	4.42×1.47×0.9 cm/3.9 g

(Typical value)

Factory default setting

- Volume control: The range "16 dB"

Use with an Induction Coil

This hearing aid allows you to hear sound from a microphone and an Induction Coil, or just from an Induction Coil.
Please ask for more information from the dealer.

- When using an Induction Coil, you may hear strange noises when you are using it around radio wave emitting equipment (such as alarmed gates).

For people who are bothered by feedback when they remove the hearing aid

Press and hold the memory selector button for 2 or more seconds to stop output from the hearing aid.
Feedback noise will not be heard from the hearing aid even if you remove it with the battery holder closed.
Press and hold the memory selector button for 2 or more seconds to resume output from the hearing aid.
After removing the hearing aid, make sure you open the battery holder to turn the power off.

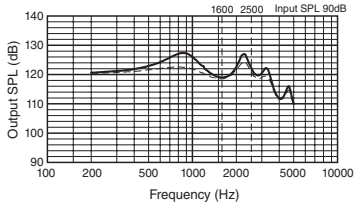
* After you start output again, the hearing aid will be set to “Memory 1”, irrespective of any settings you may have changed.

TECHNICAL DATA (According to IEC 60118-7:2005)

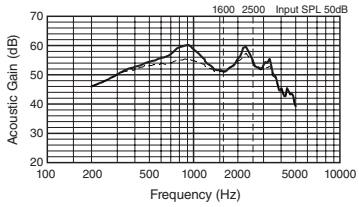
HFA-Reference Test Gain	46 dB
Maximum-OSPL$_{90}$	127 dB (850 Hz)
HFA-OSPL$_{90}$	123 dB
Maximum-Full-on Acoustic Gain	60 dB (900 Hz)
HFA-full-on Acoustic Gain	55 dB
Band width frequencies f_1, f_2	f_1<200 Hz, f_2>5000 Hz
Equivalent Input Noise Level	27 dB (low level expansion is active)
Total Harmonic Distortion	500 Hz: 1% 800 Hz: 1% 1600 Hz: 1%
Induction Coil Sensitivity (ETLS)	5 dB
Maximum magneto acoustical sensitivity level (MASL)	85 dB at 1 mA/m
AGC (Attack/Recovery Time)	Input AGC/Output AGC Attack: 4 msec Recovery: 80 msec
Battery Type/Supply Voltage	PR48/1.4 V
Battery Current	0.73 mA
Battery Life	Approx. 360 hours
Dimensions/Weight	4.42×1.47×0.9 cm/3.9 g

(Typical value)

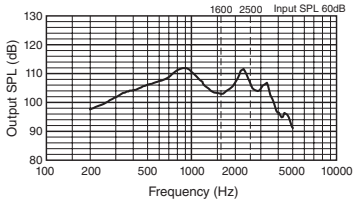
OSPL90 curve*



Full-on gain curve*



Frequency response curve



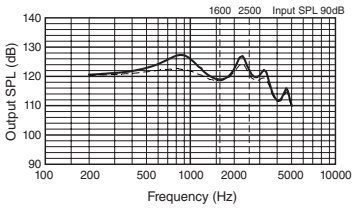
Note:

(1) Production number (serial number) is indicated at the upper rear side of the unit.

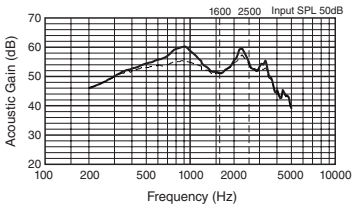
(2) Manufacturer's name is imprinted at the lower rear side of the unit.

* --- : Earhook damper red,
— : Earhook damper white
(Factory Settings)

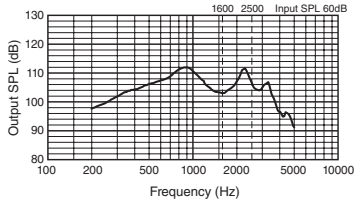
OSPL90 curve*



Full-on acoustic gain frequency response curve*



Basic frequency response curve



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