RIONET

DIGITALIAN U Series

DIGITAL HEARING AID

HI-G5U

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HOW TO USE YOUR FIRST HEARING AID

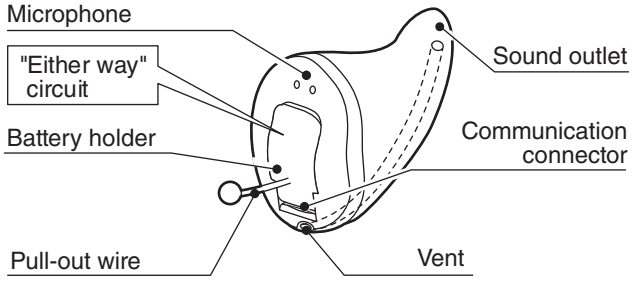
- Any hearing aid cannot return level of your hearing to normal or halt further hearing deterioration, but proper use of your hearing aid can help you hear what is going on around you and let you get more enjoyment of life.
- If this is your first hearing aid, you - like most new users - will probably 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.

FOR KEEPING YOUR HEARING AID LONGER

- Always keep the hearing aid clean.
  Clean the hearing aid with dry cloth periodically and also remove earwax plugged in the sound outlet using eyebrush or toothbrush.
- Do not expose the hearing aid to the heat from stoves, etc. Also, avoid leaving it in places with high humidity.
- If the hearing aid is dropped in water, wipe with dry cloth and ask the dispenser for check.
- Do not pick the microphone with nail, pin, etc., because this may damage the microphone.
- Do not disassemble or attempt any repairs by yourself. Ask the dispenser for repair.

OPERATING INSTRUCTIONS

Parts and Controls



- Depending on the shape of the user's ear, there may be no vent, or the vent may be in a different position.
- The microphone may be located in a different position.

Battery Placement

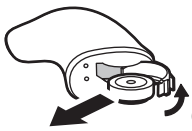
1. Peel off the sticker of the battery (PR536 or 10 zinc-air battery) before loading.

2. Open the battery holder.
3. Insert a PR536 or 10 battery sideways into the battery holder. **You do not have to worry about the polarity.**

4. Close the battery holder.

Battery life (PR536 or 10, for continuous use)
ANSI: Approx. 70 hours
IEC: Approx. 90 hours
- Battery life will change depending on the operating condition.

When remove the battery, grasp it and pull it up. Be sure to remove the battery when the hearing aid is not to be used for long time.

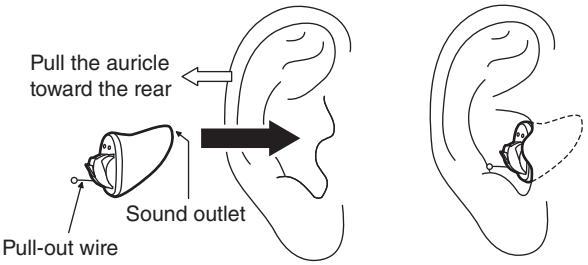


Inserting Hearing Aid in Your Ear

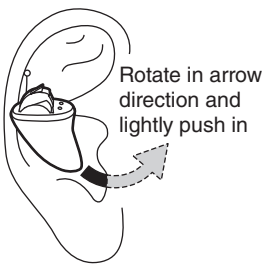
This hearing aid does not have a power switch. The battery holder also functions as power switch.

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. Hold the hearing aid so that the pull-out wire is at the rear, lightly pull the auricle back and insert the hearing aid straight into the ear.

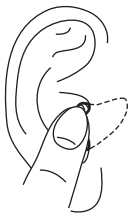


- If the hearing aid is hard to insert in a straight motion, slowly rotate it in the direction indicated by the arrow in the illustration, and lightly push it in.



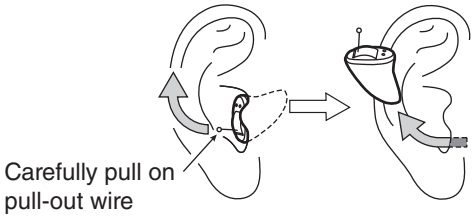
Note: If the hearing aid is inserted with the battery holder closed (ON), acoustic feedback may occur.

3. When the hearing aid is properly seated in your ear, close the battery holder to turn it on.



Removing Hearing Aid

Carefully pull the wire to remove the hearing aid. When acoustic feedback occurs, open the battery holder (power off). Acoustic feedback may stop. Then pull the wire first sideways and then up.



Turn-on precaution

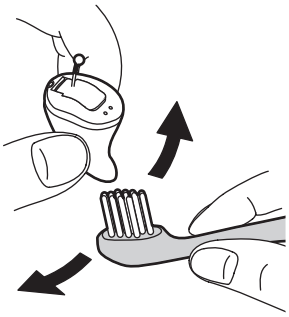
If the hearing aid is turned on again immediately after turning it off, there may be no sound, but this is not a defect. In such a case, turn the power off (open battery holder) and wait 10 seconds. Then turn the power on again (close battery holder).

Adjusting the Controls

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

Cleaning your Hearing Aid

We recommend that you clean your hearing aid twice a week (more or less needed) to remove any earwax that may build up as a result of regular use. Too much earwax build up can prevent your hearing aid from working.
Hold the hearing aid as the illustration, brush off the earwax of the sound outlet.



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

Maximum-OSPL90		114 dB (3000 Hz)
HFA-OSPL90		110 dB
HFA-full-on Acoustic Gain		40 dB
Reference Test Gain		33 dB
Frequency Range		200 Hz to 5000 Hz
Equivalent Input Noise Level		25 dB
Total Harmonic Distortion		500 Hz: 1% 800 Hz: 1% 1600 Hz: 1%
AGC		Input AGC/OPC (Output AGC)
Attack/ Recovery Time	Input AGC	Single Mode Attack: 3 msec Recovery: 120 msec Double Mode Attack: 3 msec or 100 msec Recovery: 100 msec or 2 sec Triple Mode Attack: 3 msec or 400 msec Recovery: 100 msec or 600 msec or 15 sec
	Output AGC	Attack: 3 msec Recovery: 50 msec
Operating Switch		Case Switch
Output Limiting Control		OPC (range: 20 dB)
Gain Control		GAIN (range: 57 dB)
Battery Type/Supply Voltage		10/1.3 V
Battery Current		0.97 mA
Battery Life		Approx. 70 hours

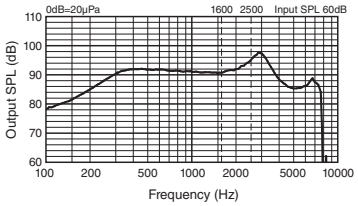
(Typical value)

TECHNICAL DATA (According to IEC standard Pub. 60118-0-1983 Amendment 1-1994)

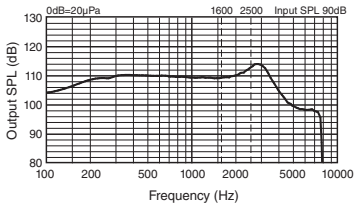
Reference Test Frequency		1600 Hz
OSPL90		117 dB
	500 Hz	114 dB
	Peak	125 dB
Full-on Acoustic Gain		48 dB
Equivalent Input Noise Level		27 dB
Total Harmonic Distortion		500 Hz: 3% 800 Hz: 3% 1600 Hz: 2%
AGC		Input AGC/OPC (Output AGC)
Attack/ Recovery Time	Input AGC	Single Mode Attack: 3 msec Recovery: 120 msec Double Mode Attack: 3 msec or 100 msec Recovery: 100 msec or 2 sec Triple Mode Attack: 3 msec or 400 msec Recovery: 100 msec or 600 msec or 15 sec
	Output AGC	Attack : 3 msec Recovery : 50 msec
Operating Switch		Case Switch
Output Limiting Control		OPC (range: 20 dB)
Gain Control		GAIN (range: 57 dB)
Battery Type/Supply Voltage		PR536/1.3 V
Battery Current		0.87 mA
Battery Life		Approx. 90 hours

(Typical value)

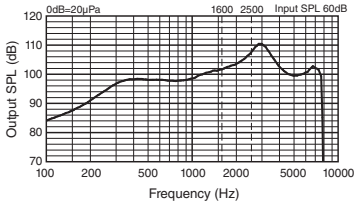
Frequency response curve



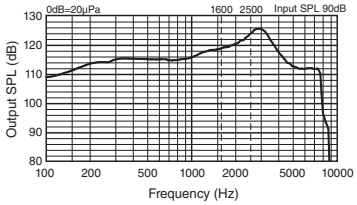
OSPL90 curve



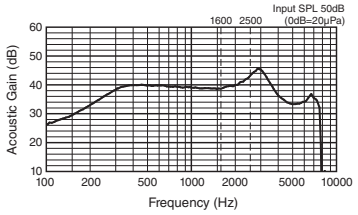
Basic frequency response curve



OSPL90 curve



Full-on gain curve



Full-on acoustic gain frequency response curve