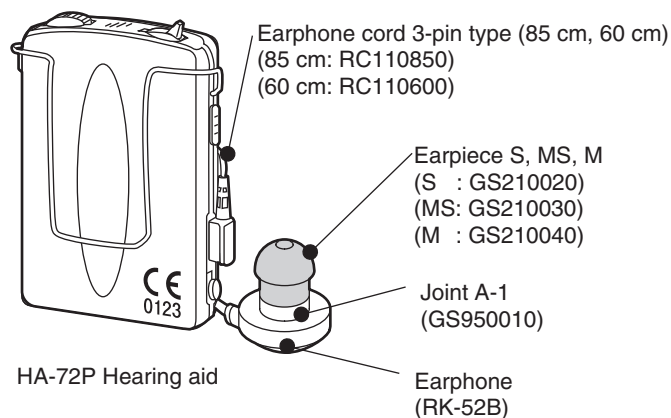


HOW TO USE YOUR FIRST HEARING AID

- 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

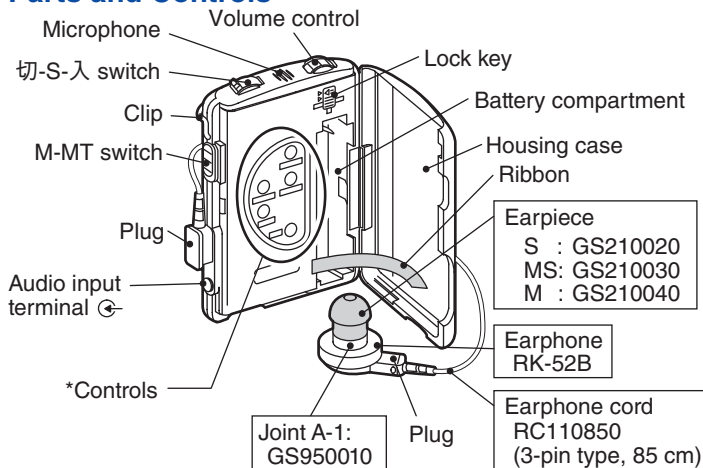
Check the all items illustrated below are contained in the box.



Cautions: Special care must be taken in case the sound pressure level exceeds 132 dB as this may further impair the user's residual hearing.

OPERATING INSTRUCTIONS

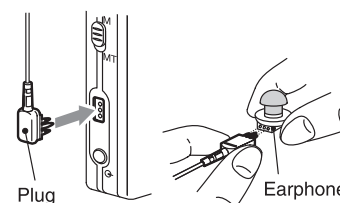
Parts and Controls



- Boxed parts are consumables. Please ask your supplier to buy them.
- * Any adjustment should only be performed by your Audiologist or hearing aid dispenser.

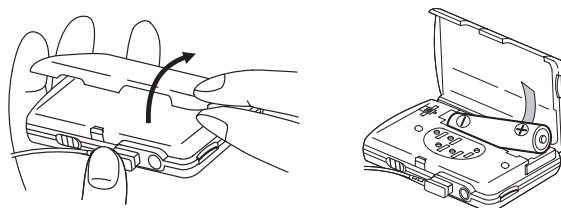
Connecting Earphone

Connect the hearing aid with the earphone which must be connected first with the cord. Hold the plug when disconnecting the cord; do not pull the cord. The thicker pin of the plug goes into the larger hole, as shown.



Battery Placement

Open the housing case at the back side as shown. Insert an LR03 or AM4 battery into the battery compartment with correct polarity. The ribbon should be under the battery itself so that it may be easily taken out.

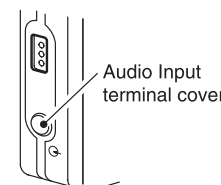


Be sure to remove the battery when the hearing aid is not to be used any time.

Battery life: Approx. 160 hours (IEC), 96 hours (ANSI) (LR03 or AM4, for continuous use) Battery life will change depending on the operating condition.

Use of Audio Input

Remove the Audio Input terminal cover. Using the Audio Input, listening directly to the TV or Radio is possible. Connect the hearing aid to the earphone output of the TV set etc. with the optional miniplug cord (GC-03-S50).



When using an external microphone, use the electret condenser microphone with a battery incorporated in it, and a miniplug.

切 - S - 入 Switch

切 : Power off

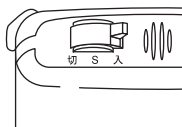
Set to "切" when the hearing aid is not in use.

S: Power on and noise suppressor will be activated according to noise levels.

Set to "S" when using the hearing aid in noisy place.

入 : Microphone

Set to "入" for ordinary use.



When taking off the hearing aid, set the switch to "切". If not, acoustic feedback may occur.

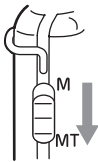
M-MT Switch

M: Microphone

Set to "M" to hear sounds through the microphone.

MT: Microphone and Telephone Coil

Sounds through both the microphone and telephone coil can be heard. Set to "MT" position when using your hearing aid for telephone or induction loop system in combination with the MT Balancer.



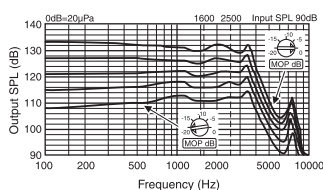
When the switch of the hearing aid is set to MT, noise may be heard in the vicinity of electromagnetic fields, such as generated for example by electronically secured gates or similar.

TECHNICAL DATA (According to ANSI Standard S3.22 1987)

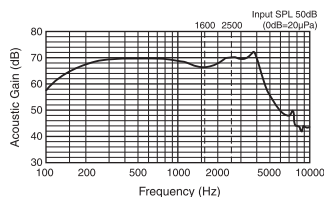
Maximum SSPL90	133 dB
HFA-SSPL90	131 dB
HFA-full-on Gain	69 dB
Reference Test Gain	114 dB
Frequency Range	100 Hz to 5500 Hz
Equivalent Input Noise Level	19 dB
Total Harmonic Distortion	500 Hz 9%
	800 Hz 12%
	1600 Hz 4%
Induction Coil Sensitivity	126 dB at 10 mA / m
Operating Switch	切 - S - 入 / M-MT
Output Limiting Control	MOP, range 20 dB (continuous)
Tone Control	TONE H, TONE L (continuous)
Noise suppressor	S
Circuitry	Push - Pull
Battery Type	LR03, AM4
Supply Voltage	1.5 V
Battery Current	9.9 mA
Battery Life	96 h
Dimensions	6.3 × 4.2 × 1.4 cm
Weight (excluding battery)	24 g

(Typical value)

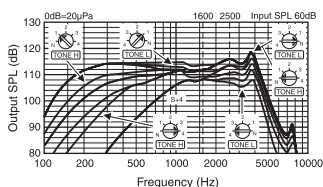
SSPL90 curve and effect of output limiting control



Full-on gain curve



Frequency response curve and effect of tone control



Note:

- (1) Production number (serial number) is printed in the battery compartment.
- (2) Manufacturer's name is shown inside of a hearing aid.

Volume Control

Adjust the sound volume to your comfortable level with the volume control.

The best position of the control will depend upon the distance and voice of the person to whom you are talking; readjustment may be necessary.

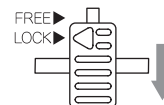
When using the hearing aid for the first time, set the control for a minimum sound level to hear, then increase the volume gradually.

1. Set to "4" center click for ordinary use.



Center Click

2. When locking the control for your comfortable level, open the housing case, slide the lock key downward.



Do not turn the control at the "LOCK" position, because this may break.

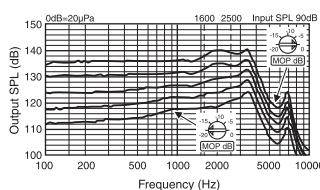
When setting the Lock key to "FREE", it will be released.

TECHNICAL DATA (According to IEC Standard Pub. 60118-0 1983)

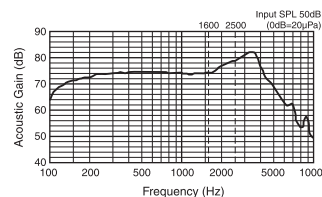
Reference Test Frequency	1600 Hz
OSPL90	138 dB
	500 Hz 135 dB
	Peak 142 dB
Full on Acoustic Gain	74 dB
Equivalent Input Noise Level	19 dB
Total Harmonic Distortion	500 Hz 16%
	800 Hz 23%
	1600 Hz 3%
Induction Coil Sensitivity	113 dB at 1 mA / m
Operating Switch	切 - S - 入 / M-MT
Output Limiting Control	MOP, range 20 dB (continuous)
Tone Control	TONE H, TONE L (continuous)
Noise suppressor	S
Circuitry	Push - Pull
Battery Type	LR03, AM4
Supply Voltage	1.5 V
Battery Current	5.9 mA
Battery Life	160 h
Dimensions	6.3 × 4.2 × 1.4 cm
Weight (excluding battery)	24 g

(Typical value)

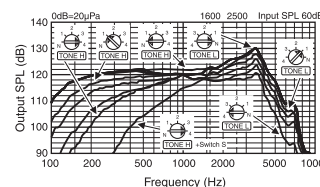
OSPL90 curve and effect of output limiting control



Full-on acoustic gain frequency response curve



Basic frequency response curve and effect of tone control



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