

# User Manual

Digital Rechargeable BTE-OE Hearing Aids

AST SJ RD HAB060 SM 013(V1.0)

**⚠ WARNING: People younger than 18 should go to a doctor before using this.**

People younger than 18 years old need specialized care, and using this without a medical evaluation may worsen impairment or disability. A hearing aid user who is younger than 18 should have a recent medical evaluation from a doctor, preferably an ear-nose-throat doctor (an ENT). Before using this, a doctor should determine that the use of a hearing aid is appropriate.

**⚠ WARNING to Hearing Aid Dispensers:**

You should advise a prospective hearing aid user to consult promptly with a doctor, preferably an ear specialist such as an ENT, before dispensing a hearing aid if you determine through inquiry, actual observation, or review of any other available information concerning the prospective user, that the prospective user has any of the following conditions:

- Visible deformity of the ear, either congenital or traumatic
- Fluid, pus, or blood coming out of the ear within the previous 6 months
- Pain or discomfort in the ear
- History of excessive ear wax or suspicion that something is in the ear canal
- Dizziness, either recent or long-standing
- Sudden, quickly worsening, or fluctuating hearing loss within the previous 6 months
- Hearing loss or ringing (tinnitus) only in one ear or a noticeable difference in hearing between ears
- Audiometric air-bone gap equal to or greater than 15 dB at 500 Hz, 1000 Hz, and 2000 Hz

**⚠ WARNING to Hearing Aid Dispenser, Outputs over 132 dB SPL:**

You should exercise special care in selecting and fitting a hearing aid with a maximum output that exceeds 132 dB SPL because it may impair the remaining hearing of the hearing aid user.

**⚠ Caution: This is not hearing protection.**

You should remove this device if you experience overly loud sounds, whether short or long-lasting. If you're in a loud place, you should use the right kind of hearing protection instead of wearing this device. In general, if you would use ear plugs in a loud place, you should remove this device and use ear plugs.

**⚠ Caution: The sound output should not be uncomfortable or painful.**

You should turn down the volume or remove the device if the sound output is uncomfortably loud or painful. If you consistently need to turn the volume down, you may need to further adjust your device.

**⚠ Caution: You might need medical help if a piece gets stuck in your ear.**

If any part of your hearing aid, like the eartip, gets stuck in your ear, and you can't easily remove it with your fingers, get medical help as soon as you can. You should not try to use tweezers or cotton swabs because they can push the part farther into your ear, injuring your eardrum or ear canal, possibly seriously.

### ⓘ Note: What you might expect when you start using a hearing aid.

A hearing aid can benefit many people with hearing loss. However, you should know it will not restore normal hearing, and you may still have some difficulty hearing over noise. Further, a hearing aid will not prevent or improve a medical condition that causes hearing loss.

People who start using hearing aids sometimes need a few weeks to get used to them. Similarly, many people find that training or counseling can help them get more out of their devices.

If you have hearing loss in both ears, you might get more out of using hearing aids in both, especially in situations that make you tired from listening—for example, noisy environments.

### ⓘ Note: Hearing loss in people younger than 18.

- People younger than 18 should see a doctor first, preferably an ear-nose-throat doctor (an ENT), because they may have different needs than adults.
- The doctor will identify and treat medical conditions as appropriate.

- The doctor may refer the person to an audiologist for a separate test, a hearing aid evaluation.
- The hearing aid evaluation will help the audiologist select and fit the appropriate hearing aid.

A person who is younger than 18 years old with hearing loss should have a medical evaluation by a doctor, preferably an ENT, before buying a hearing aid. The purpose of a medical evaluation is to identify and treat medical conditions that may affect hearing but that a hearing aid won't treat on its own.

Following the medical evaluation and if appropriate, the doctor will provide a written statement that the hearing loss has been medically evaluated and the person is a candidate for a hearing aid. The doctor may refer the person to an audiologist for a hearing aid evaluation, which is different from the medical evaluation and is intended to identify the appropriate hearing aid.

The audiologist will conduct a hearing aid evaluation to assess the person's ability to hear with and without a hearing aid. This will enable the audiologist to select and fit a hearing aid for the person's individual needs. An audiologist can also provide evaluation

and rehabilitation since, for people younger than 18, hearing loss may cause problems in language development and educational and social growth. An audiologist is qualified by training and experience to assist in the evaluation and rehabilitation of hearing loss in people younger than 18.

**① Note: Tell FDA about injuries, malfunctions, or other adverse events.**

To report a problem involving your hearing aid, you should submit information to FDA as soon as possible after the problem. FDA calls them "adverse events," and they might include: skin irritation in your ear, injury from the device (like cuts or scratches, or burns from an overheated battery), pieces of the device getting stuck in your ear, suddenly worsening hearing loss from using the device, etc.

Instructions for reporting are available at <https://www.fda.gov/Safety/MedWatch>, or call 1-800-FDA-1088. You can also download a form to mail to FDA.

## Dear customer:

Thank you for choosing our Hearing Aid!

The hearing aid is a very sophisticated electronic equipment which is used for hearing compensation for the one who has hearing impaired .

This manual will introduce you some basic use methods of hearing aid and the solutions of common problems to help you use hearing aid better. Please read it carefully and regard it as a user guide.

With any question, please be free to contact the customer service center.

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## 1. Overview

This device you choose is the new series hearing aid, rechargeable digital BTE-OE Hearing aid. All main components are from Europe and America with strict production control and accurate test ensuring the excellence quality of each hearing aid.

### a) Product Feature

Digital rechargeable BTE-OE hearing aid is equipped with digital intelligent function, multiple processing channels, intelligent adaptive noise reduction management system and efficient adaptive feedback suppression function etc.

This product is not only suitable for listening in a quiet environment but also suitable for a noisy environment. Product appearance design shows a new trend of the BTE-OE hearing aid correspond with human body engineering principle, wearing comfortable and big power.

### b) Main Application and Scope

It is suitable for patients with air conductive hearing loss, but children under the age of 12 need to be used under the supervision of adults.

### c)Product Model

Earbium pro

### d)Environment and Conditions

Working environments

Temperature: 0°C~+40°C (32°F ~ 104°F)

Humidity:0 % RH~80 % RH

Voltage:DC 3.7V.

Storage environments

Temperature:-20°C~+50°C (-4°F ~ 122°F)

Humidity: 0 % RH~93 % RH

Atmospheric pressure: 86KPa~106KPa.

## e) Impact on the Environment

The Hearing aid is built in the rechargeable Lithium battery, please dispose of the used battery regarding of local regulations to protect the environment.

## f) Safety

- Danger: To avoid explosion, please do not put the hearing aids into fire or microwave oven, and so on.
- Danger: To avoid being swallowed by children in accident, please keep the hearing aid away from children.
- This hearing aids can only be used by people with hearing loss, the rest cannot be used.
- Those who have undergone ear canal surgery are not recommended to buy this product directly. They should go to the hearing center to consult with an audiologist or a doctor before purchasing.
- A hearing aid should not be applied to both ears at the same time. Because the hearing loss of the right or left ear is different.

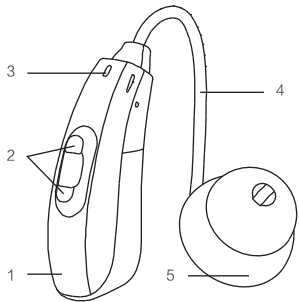
- In case of battery leakage, please stop using the hearing aid and contact the customer service center.
- To avoid remove the hearing aid ear dome leaving it in the ear, wear and remove hearing aids gently.
- Software controlled fitted OSPL90 shall not exceed the selected value as a result of corrupt data transfer between programmer and Hearing aid.
- Hearing aid designed in a way that users cannot be unintentionally exposed to a SPL above the fitted OSPL90 in normal condition.
- Special Users:
  - ( 1 ) Children need to wear hearing aids with the help of adults.
  - ( 2 ) Please consult your doctor before using hearing aids.
- Warning: The hearing aid should be only used by the hearing impaired, not by any other. For charging boxes, the patient is also the operator.



## 2. Structural Characteristics and Operating Principle

The product is mainly composed of microphone, signal amplification and processing circuit, receiver, volume control circuit, lithium battery, shell and embedded software.

- 1.Shell
- 2.Volume Control/Program Switch
- 3.Microphone
- 4.Sound Tube
- 5.Ear Dome (The appearance shall be subject to the actual situation)



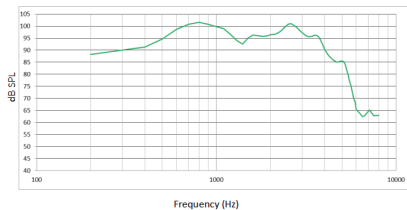
## 3. Technical Specification

Product Model	MAX OSPL90 (<+3dB)	HFA OSPL90 (±4dB)	Peak Gain (<+3dB)	HFA FOG (±5dB)	THD		
					500Hz	800Hz	1600Hz
Earbium pro	117	105	35	30	≤5%	≤5%	≤5%

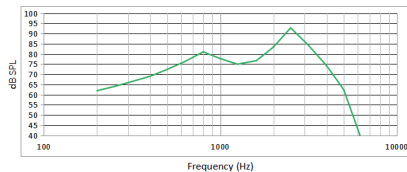
Product Model	Frequency Range (Hz)	Equivalent input noise (<+3dB)	Battery Current Drain(mA)	Attack Time (±50%ms)	Release Time (±50%ms)	Latency (ms)
Earbium pro	F1≤200 F2≥5000	29	≤2	100	500	<6

## Response curve

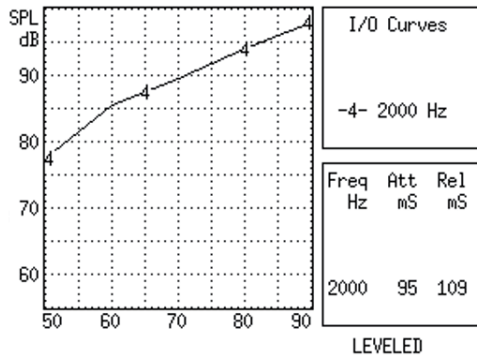
Maximum Output(OSPL90)



Reference Test Gain (60dB SPL)



## Input-output curve



## 4.Steps for Wearing Hearing Aid and Use

### a) Power ON/OFF

- Power ON: Take the hearing aid out of the charging box and it will turn on automatically.
- Power OFF: The hearing aid will turn off automatically when it is put into the charging box.

#### Note:

Both ends of the charging line are connected with the power adapter and the charging box.

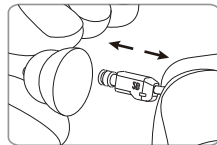
### Battery life

The hearing aids can work for more than 20H when the battery is fully charged.  
The full charging boxes can charge hearing aids 3 times.

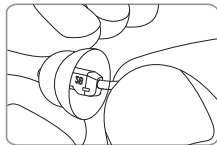
Charging box: Earbium pro, Input:DC5V --- 200mA, Output:DC4.2V ---10mA,  
Battery:DC3.7V 300mAh 1.1Wh. Power Adapter: Input:100-240V~50/60Hz, max 150mA,  
Output:DC5V --- 1A.

### b) Fit Ear Dome

Remove Earplugs: Pinch the earplug with your thumb, index finger and middle finger to separate the earplug from the connector.



Fit Earplugs: Select appropriate earplug according to the size of the ear canal, hold the earplug and fit it into the connector of the hearing aid. It is required to be fitted in place.



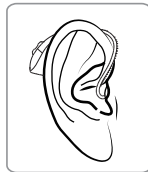
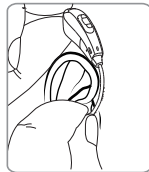
Put the hearing aid behind the ear, and close to the head and comfortably over the pinna. If it feels like the dome is falling out of your ear, it means that the dome is most likely too small for your ear. Try changing your dome to one that is a size larger.

If it feels like you have to squeeze or force the dome into your ear, it means that the dome is most likely too large for your ear. Try changing your dome to one that is a size smaller.

### c) Wear Hearing Aid

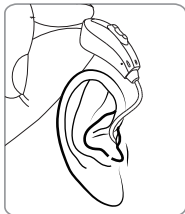
Steps:

Hold the bottom of the tube with your fingers and gently push the earplug into the ear canal.

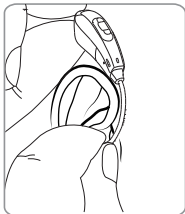


## d) Remove Hearing Aid

1. Take off the hearing aid behind the ear.



2. Hold the bottom of the sound tube and pull it gently. After the earplug is loose, take it out and take it off together with the hearing aid.

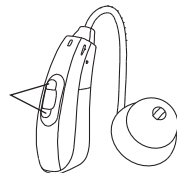


## e) Volume Control/Program Switch

### Volume Control/Program Switch

- Volume Control: Push “+” to increase the volume and push “-” to reduce the volume.
- Program Switch: Push Volume Control “+” or “-” more than 2 seconds, program switching automatically. Kindly explain that user push “+” to make program switch in positive cycle and user push “-” to make program switch in reverse cycle.
- Sleeping Mode or Power ON : Pressing the button for 5 seconds is a sleeping mode, and the hearing aid has no sound output. Press the button for 5 seconds again to wake up the hearing aid and restore normal operation.

Volume Control/  
Program Switch



## 5. Troubleshooting

Failure	Cause	Solution
Whistling	Hearing aid is not worn correctly	Wear it correctly again
	Too much earwax	Clean earwax
Silent	Power off	Turn it on
	Low battery or no power	Charging the hearing aid
	Dirt blocks the earplug or the tube	Clean the earplug or the sound tube
Small Sound	Low volume	Turn up the volume
	Low battery power	Charge the hearing aid
	Hearing aid is damped	Dehumidify it with a dry box
	Dirt blocking the sound tube or the earplugs	Clean the sound tube or the earplug
High Power Consumption	Hearing aid is still on when not in use	Please turn it off when hearing aid is not in use
	Hearing aid is damped	Dehumidify it with a dry box
Intermittent Sound	Dirt blocks the sound tube	Clean the sound tube
	Dirt blocks the earplugs	Clean the earplugs

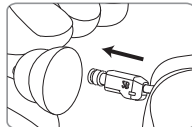
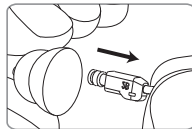
15 If the above methods still cannot solve the problem, please contact the customer service center of our company directly.

## 6. Hearing Aid Maintenance And Charging Boxes

During the use of hearing aid, earwax (cerumen) produced by the ears will accumulate in the ear canal and the sound hole of the hearing aid. A large amount of accumulated earwax will affect the use effect of the hearing aid, so please clean your ear canal and maintain the hearing aid regularly. please clean and maintain the charging boxes regularly.

### a) Clean Ear Dome

- Remove the ear dome from the hearing aid.
- Clean the earwax with a cleaning cloth or wash the ear dome with clean water.
- Please wipe the ear dome dry and make sure there is no water droplets left. If there are tools like a blowing balloon, you can use a blowing balloon to dry the water droplets.

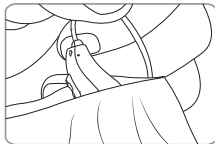


## b)Clean Hearing Aid and Charging Box

- Please use the small brush to clean the earwax of the sound hole of the hearing aid.



- Please clean your hearing aid with a dry soft cloth.



When wiping or cleaning the hearing aid, please do it on a soft desktop (for example, put a soft towel on the desktop) to avoid damage caused by accidental falling of the hearing aid.

☆ Remember: Do not use any liquid to clean the hearing aid and charging box.

## c)Anti-Vibration

If you don't use them when going out, please put the hearing aid in the shockproof box or shockproof bags.

## 7. Precautions for Hearing Aid

### a) Dehumidification

Any form of moisture is influential for hearing aid, dehumidification can extend the life of the hearing aid. Avoid using or storage in humid environment, and please dry the hearing aid on a regular basis.

### b) Water Prevention

Avoid hearing aid contact with water. Remove the hearing aid when you are swimming, taking a shower, washing your hair, and washing your face. If hearing aid accidentally falls into the water, do not use dryer to dry it. You can dry it with a soft, clean cotton cloth and put it in a ventilated environment. If a failure occurs, please contact with your local audiologist or contact with the staff from customer service center.



### c) High Temperature Prevention

Never exposing hearing aid on extreme temperatures or prolonged exposure to sunlight.



### d) Falling Prevention

Please do not drop your hearing aid or knock them against hard surfaces.

### e) Precautions for Electromagnetic Compatibility

- Classification by anti electric shock type: Internal power supply equipment.
- Classification according to the degree of protection against electric shock: Type B application part.
- Classification by operation mode: Continuous operation equipment.



**Notes: The Hearing Aid conforms to IEC60601-1-2 and IEC 60118-13 EMC requirements.**

It is the responsibility of the user to ensure the electromagnetic compatibility environment of the instrument to function properly. User must install and operate the device based on the provided EMC information.

It is recommended to evaluate the electromagnetic environment before using the instrument to ensure that the surrounding environment will not cause strong electromagnetic interference to the instrument, otherwise it may interfere with the normal operation of the equipment.

Instructions for use: The ME EQUIPMENT or ME SYSTEM is suitable for healthcare environments and so on.

Warning: Only the power adapter and battery approved by manufacturer can be used. In order to avoid damage to the instrument, please do not change the charging parts.

Even if other devices meet the emission requirements of the corresponding national standards, the Hearing Aid may still be interfered by other devices.

Warning: In the home environment, this equipment may cause radio interference, so protective measures should be taken. It is forbidden to use the equipment near strong radiation source (such as unshielded RF source), otherwise it may interfere with the normal operation of the equipment.

Warning: Portable or mobile RF communication device might influence the performances of Hearing Aid, please avoid strong electromagnetic disturbance while using, such as close to the Hearing Aid, microwave oven, etc .

Warning: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

Warning: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Hearing Aid, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

Warning: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.”

Warning: Do not approach active high-frequency surgical equipment and magnetic resonance imaging systems in radiofrequency shielded rooms, where the intensity of EMI disturbances is high.

Warning: Do not near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

Warning: Make sure that all electrical accessories connected to the Hearing Aid must comply with IEC 60601-1, if in doubt, consult the technical service department or your local representative.

Warning: No unauthorized modification allowed of the ME EQUIPMENT.

According to the design purpose, the equipment complies with EMC regulations. Including the allowable electromagnetic interference level and necessary electromagnetic shielding performance of the electronic equipment specified by laws and regulations.

The complete elimination of electromagnetic interference is almost impossible unless all equipment that may produce high-frequency signals are excluded. Although some high-frequency equipment itself meets the requirements of EMC regulations, it is impossible to determine whether the radio signal generated by its high-frequency transmitter will affect the normal operation of the equipment when it works with considerable power near the equipment order to ensure the electromagnetic compatibility of the equipment, the equipment needs to be installed, debugged and used according

to the attached documents. In case of such situation, please contact the personnel of the company for solution.

This equipment generates, uses, and can radiate RF 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:

- Operate in strict accordance with the instructions of the Hearing Aid instruction manual to ensure that the device is not subject to electromagnetic interference.
- Keep other devices away from this device to reduce the effects of electromagnetic interference.
- Reorient or relocate the receiving antenna. The effect of electromagnetic interference can be mitigated by adjusting the relative position/mounting angle between the device and other devices.

- Reduce electromagnetic interference by changing the wiring location of other device power/signal cables.
- Reduce electromagnetic interference by changing the power path of other devices.

Table 1

Guidance and manufacturer' s declaration-electromagnetic emission		
The Hearing Aid is intended for use in the electromagnetic environment specified below. The customer or the user of the Hearing Aid should assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment-guidance
RF emissions CISPR 11	Group 1	The Hearing Aid uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.

RF emissions CISPR 11	Class B	The Hearing Aid suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC61000-3-2	Class A	
Voltage fluctuations/ flicker emissions IEC61000-3-3	Complies	

Table 2

Guidance and manufacturer's declaration-electromagnetic
The Hearing Aid is intended for use in the electromagnetic environment specified below. The customer or the user of the Hearing Aid should assure that it is used in such an environment.

Immunity test	IEC60601 test level	Compliance level	Electromagnetic environment -guidance
Electrostatic discharge(ESD) IEC61000-4-2	$\pm 8$ kV contact $\pm 2, 4, 8, 15$ kV air	$\pm 8$ kV contact $\pm 2, 4, 8, 15$ kV air	Floors should be wood, concrete or ceramic tile. if floors are covered with synthetic material, the relative humidity should be at least 30%
Electrical fast transient/ burst IEC61000-4-4	$\pm 2$ kV for power supply lines $\pm 1$ kV for input/ output lines	$\pm 2$ kV for power supply lines	N/A
Surge IEC 61000-4-5	$\pm 1$ kV differential mode $\pm 2$ kV common mode	$\pm 1$ kV differential mode	N/A


Immunity test	IEC60601 test level	Compliance level	Electromagnetic environment -guidance
Voltage dips, short interruptions and voltage variations on power supply input lines IEC61000-4-11	Dips: 0% UT for 0.5 cycle at 0°, 45°,90°,135°, 180°,225°,270 and 315°	Dips: 0% UT for 0.5 cycle at 0°, 45°,90°,135°,180°,225°,270 and 315°	N/A
	0% UT for 1 cycle at 0°	0% UT for 1 cycle at 0°	
	70% UT for 25 cycles (50Hz) , 30 cycles (60Hz) at 0°	70% UT for 25 cycles (50Hz) , 30 cycles (60Hz) at 0°	
	Interruptions: 0% UT for 250 cycles (50Hz) , 300 cycles (60Hz)	Interruptions: 0% UT for 250 cycles (50Hz) , 300 cycles (60Hz)	

Immunity test	IEC60601 test level	Compliance level	Electromagnetic environment -guidance
Power frequency (50Hz/60Hz) magnetic field IEC61000-4-8	30A/m	30A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE: UT is the a.c. mains voltage prior to application of the test level.			

Table 3

## Guidance and manufacturer' s declaration – electromagnetic immunity

The Hearing Aid is intended for use in the electromagnetic environment specified below. The customer or the user of The Hearing Aid should assure that it is used in such an electromagnetic environment.

Immunity test	IEC60601 test level	Compliance level	Electromagnetic environment -guidance
Conducted RF IEC61000-4-6	0,15MHz–80MHz 3 V RMS outside the ISM band,c) 6VRMS in the ISM and amateur radio bands d)	0,15MHz–80MHz 3 V RMS outside the ISM band,c) 6VRMS in the ISM and amateur radio bands d)	Portable and mobile RF communications equipment should be used no closer to any part of The Hearing Aid, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d=1.2\sqrt{P}$ $d=1.2\sqrt{P}$ 80MHz to 800MHz $d=2.3\sqrt{P}$ 800MHz to 2.5GHz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey ,a) should be less than the compliance level in each frequency range .b) Interference may occur in the vicinity of equipment marked with the following symbol. 
Radiated RF IEC61000-4-3	10V/m 80 MHz to 2.7 GHz	10V/m 80 MHz to 2.7 GHz	

NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies. NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.
a: Field strengths from fixed transmitters, such as base stations for radio (cellular / cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, and electromagnetic site survey should be considered. If the measured field strength in the location in which The Hearing Aid is used exceeds the applicable RF compliance level above, The Hearing Aid should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating The Hearing Aid. b: Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3V/m. c:ISM bands between: 6.765MHz~6.795 MHz, 13.553 MHz~13.567 MHz, 26.957 MHz~27.283 MHz, 40.66 MHz~40.70 MHz

d:ama-teur radio bands between: 1.8MHz~2.0MHz, 3.5MHz~4.0MHz, 5.3MHz~5.4MHz, 7MHz~7.3MHz, 10.1MHz~10.15MHz, 14MHz~14.2MHz, 18.07MHz~18.17MHz, 21.0MHz~21.4MHz, 24.89MHz~24.99MHz, 28.0MHz~29.7MHz, 50.0MHz~54.0MHz

Table 4

Frequency Range and Level: RF wireless communication equipment			
Test Frequency (MHz)	Modulation	Minimum immunity Level (V/m)	immunity Level Applied (V/m)
385	18Hz PM 50%	27	27
450	1 kHz sine FM + 5 Hz deviation	28	28
710 745 780	217Hz PM 50%	9	9
810 870 930	18Hz PM 50%	28	28
1720 1845 1970	217Hz PM 50%	28	28
2450	217Hz PM 50%	28	28
5240 5500 5785	217Hz PM 50%	9	9

ATTENTION:

If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.

a) For some services, only the uplink frequencies are included

Table 5

Recommended separation distances between portable and mobile RF communication the equipment
The Hearing Aid is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of TheHearing Aid can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Hearing Aid as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W(Watts)	Separation distance according to frequency of transmitter M(Meters)		
	150kHz to 80MHz $d=1.2\sqrt{P}$	80MHz to 800MHz $d=1.2\sqrt{P}$	80MHz to 2,5GHz $d=2.3\sqrt{P}$
0,01	N/A	0.12	0.23
0,1	N/A	0.38	0.73
1	N/A	1.2	2.3
10	N/A	3.8	7.3
100	N/A	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance in meters (m) can be determined using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 : At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 : These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

## f) Others

- The button should be used correctly and pressed gently as far as possible to avoid excessive force.
- The hearing aid professional for RECD measured to correct target of fitted OSPL90.
- For best results, using the hearing aids as much as possible. In most of time, infrequent use of the hearing aids doesn't permit you to attain full benefit from them.
- The use of a hearing aid is only part of hearing rehabilitation and may need to be supplemented by auditory training and instruction in lipreading.
- Do not wear hearing aids when receiving short wave hyperthermia, X-ray, MRI scan, CT scan or similar radiotherapy.



- Keep the surface of the hearing aids neat and clean the earwax in the earplugs frequently.
- Hearing aid shall be regularly sent to the fitting center for maintenance and inspection to ensure that the hearing aid is in good condition.
- Only to connect to equipment that conforms with international safety standards, if externally connected.













## 8. Unpack and Check







- After unpacking, please check the actual category and quantity of accessories.
- Check the model marked on the manual is consistent with the model of hearing aid.

## 9. Contraindication

Patients with acute otitis external, tympanitis, chronic suppurative otitis media (in the period of purulent infection), acute suppurative otitis media and allergic to this material. Fitting hearing aid shall be undergone professional hearing test and fitting, and be used under the professional guidance of a doctor or a audiologist.

## 11. Symbol Information

	Symbol for "User Guide must be read"		Symbol for "Consult instructions for use"
	Symbol for "Manufacturer"		Symbol for "Caution and warning"
	Symbol for "Fragile, handle with care"		Symbol for "Keep dry"
	Symbol for "Date of manufacture"		Symbol for "Serial number"
	Symbol for "Use-by date"		Type B Applied Part
	This marking shown on the product or its literature, indicates that it should not be disposed of, with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.		The harmful substances in the product meet the limited requirements.
		IP22	IP22: The first number 2: Protected against solid foreign objects of 12,5 mm $\Phi$ and greater. The second number: Protected against vertically falling water drops when enclosure tilted up to 15°.

	<p>During transport or storage, the temperature should not exceed the limit values of -20° to 50° Celsius for a long period of time.</p>		<p>During transport or storage, the relative humidity should not exceed the limit values of 0% to 93% for a long period of time.</p>
	<p>The air pressure range between 86 and 106 KPa is appropriate.</p>		<p>Indicates the device is a medical device</p>
	<p>Indicates a carrier that contains unique device identifier information</p>		<p>Indicates a medical device that needs protection from light sources</p>