

物料编号：

SKU:UFRA1910

工艺要求	惠州市锦好医疗科技股份有限公司包材文档			
材质：80G双胶纸 工艺：骑马订 颜色：4色印刷 尺寸：90X90mm 总P数：48P（含封面封底） 正公差：1mm 负公差：1mm	文稿名称：A19A 医疗中性英文说明书(显示屏版)			
	文件编号：J H-C-A19A-20260210-01 版本号：V2-1			
	○ 标准物料			
	制作：伟民	需求：nova	核准：nova	审核：
	制作日期：20260309			

履历：升级产品耳塞部分，V1升V2

CERTIFICATE

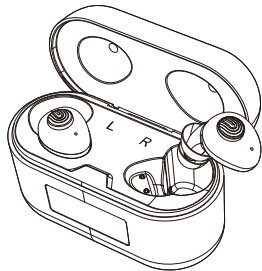
Product Name	Hearing Aid
Product Life	5 years
Model	JH-A19A
Lot No.	Outside packaging
Inspector	
The product conforms to the national and industrial standards and has passed inspection.	



VER: A19A-20260309-V1

HEARING AID

Instruction Manual Model: JH-A19A



Please read this user manual thoroughly and completely before using the product.
This product should be used under the guidance of professionals.

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I.IMPORTANT SAFETY INSTRUCTIONS

Read all the information in this instruction manual and any other literature included in the box before using the device.

1. INTENDED USE

The hearing aid is intended to compensate of impaired hearing.

2. INDICATIONS

Impaired hearing within mild to moderate air conductive hearing loss.

3. SIDE EFFECTS

- For the patients skin sensitive with silicon material, may be caused the ear canal pruritus.
- First use may cause ear canal appear temporary maladjustment, such as slight pain.

4. WARNINGS

- Keep small parts(hearing instrument, eartips, battery or other detachable parts)that can be swallowed out of children's reach.
- Dropping, immersing in liquid, exposure to strong electromagnetic fields or excessive heat will damage the hearing aid.
- Remove devices prior to any type of X-ray, MRI, or CT scan.
- If parts become stuck in the ear canal, seek medical assistance-do not attempt to remove by yourself.
- Do not use the devices in explosive or oxygen-enriched atmospheres, as doing so may damage the devices.

- The hearing aids should only be used by intended person as using hearing aids designed for someone else may result in hearing damage.
- This hearing aids only be used for compensating the patients with hearing impairment, do not have hearing therapeutic value.

5. NOTICES

- If you experience any pain or strong discomfort using the devices, remove and consult a doctor.
- Routine maintenance to keep the device clean is required. Ensure that eartips are free of debris and moisture at all times.
- Avoid shocks or dropping the product.
- Do not store or use the product in environments of high humidity or temperature (such as sauna room), to avoid damage.
- Do not set volume levels too high. Listening with high-output devices for extended period of time at high volume levels can cause further hearing damage. You should never leave your hearing aids near heating appliances.
- Do not share your hearing aids with others. Using a hearing aid configured for someone else can result in hearing damage or injury.
- Monitor for any unusual skin reaction. If you notice any allergic reaction (itchiness, swelling, or rash), stop wearing the

hearing aids and consult a medical specialist.

- Do not use the hearing aids adjacent to or stacked with other equipment, it could result in improper operation. If such use is necessary, the hearing aids and the other equipment should be observed to verify that they are operating normally- volume.
- Please contact the MANUFACTURER:
 - For assistance, if needed, in setting up, using or maintaining your devices or to report any unexpected operation or events.
 - If any serious incident occurred in relation to the device, it should be reported to the manufacturer and the competent authority of the Member State in which you are established.

II. CONTRAINDICATION

The device should not be used in the following situations:

- Patients with chronic suppurative otitis media (CSOM), congenital ear atresia, or any type of ear discharge
- Anyone under 36 months old.
- Patients with chronic suppurative otitis media, congenital ear atresia to banned use.
- Congenital atresia of external ear or deformity of any part of the ear canal
- Deafness is unstable, and the degree of hearing loss often fluctuates
- Persistent headaches, dizziness, earaches, tinnitus or other symptoms that are not suitable for adaptation
- Sudden onset of hearing loss within the past 3 months; rapid progressive deafness; unilateral hearing loss or other acute ear disease
- Effusion (secretions/discharge) in the ear and/or frequent purulence (pus).
- Central deafness (central nervous system) or non-organic deafness.

- Patients with acute otitis externa and tympanitis.
- Patients with acute and chronic suppurative otitis media (in the period of purulent infection).
- Patients who are allergic to the materials of this product.

III. MATTERS NEEDING ATTENTION, WARNINGS AND TIPS

1. Do not immerse the hearing aid in any liquid. Remove the hearing aid before swimming or bathing. After swimming or bathing, wait for the ear canal to dry before wearing the hearing aid.
2. After removing the hearing aid at night, it should be placed in a base with a desiccant if possible, protected from high humidity environment.
3. The external surfaces of the hearing aid should be kept clean, and earwax in the eartips should be cleaned out daily.
4. Please choose the suitable product according to your hearing loss level(WHO standard on 2021).

Grade	Hearing threshold [†] in better hearing ear in decibels (dB)
Normal hearing	Less than 20 dB
Mild hearing loss	20 to < 35 dB
Moderate hearing loss	35 to < 50 dB
Moderately severe hearing loss	50 to < 65 dB
Severe hearing loss	65 to < 80 dB
Profound hearing loss	80 to < 95 dB
Complete or total hearing loss/deafness	95 dB or greater
Unilateral	< 20 dB in the better ear, 35 dB or greater in the worse ear

5. Please charge the devices regularly to avoid battery damage; The recommended charging interval of the devices is less than 28 days.

IV. TIPS FOR BETTER COMMUNICATION

It will take practice, time, and patience for your brain to adapt to the new sounds that your hearing aid provide. Hearing is only part of how we share thoughts, ideas and feelings. Reading lips, facial expressions, and gestures can help the learning process and add to what amplification alone may miss.

1. Please review the following simple communication tips for you:

- Move closer to and look at the speaker.
- Sit face-to-face in a quiet room if possible.
- Try out different locations to find the optimal places to listen
- Minimize distractions.
- Background noises may be frustrating at first; remember, you have not heard them for a while.
- Let others know what you need; keep in mind that people cannot "see" your hearing loss.
- Develop realistic expectations of what your hearing aid can and cannot do.

- Better hearing with hearing aid is a learned skill combining desire, practice, and patience.

2. You will learn and adjust, it just takes a little time. Remember to be patient with yourself.

3. For Your Family and Friends:

Your family and friends are also affected by your hearing loss.

Request that they:

- Get your full attention before beginning to speak.
- Look at you or sit face-to-face.
- Speak clearly and at a normal rate and level; shouting can actually make understanding more difficult.
- Rephrase rather than repeat the same words; different words may be easier to understand.
- Minimize distractions while speaking.

V. NORMALIZED SYMBOLS

	Follow operating instructions		
	B type applied part		
	Disposal in accordance with Directive 2012/19/EU (WEEE)		
	Complies with the Regulation (EU) 2017/745. Notified Body is SGS Belaium NV.		
	Date of manufacture		Manufacturer information
	Serial number		USE BY
	Warning/ Danger: Improper use might cause serious injuries.		
	Medical Device		
	Permissible storage and transport temperature and humidity		
	Permissible operating temperature and humidity		
	MedPath GmbH Mies-van-der-Rohe-Strasse 8, 80807 Munich, Germany		
	Keep Dry		Comply with Directive 2011/65/EU
	Paper Packaging Recycling		

Notes: This hearing aid is produced under the strict quality system of Huizhou JINGHAO Medical Technology Co., Ltd.

- The device complies with the Regulation (EU) 2017/745 and the harmonized standard IEC 60601-1.

VI. REGULATORY AND LEGAL INFORMATION

Important information regarding Electro Magnetic Compatibility (EMC)

With the increased number of electronic devices such as PC and mobile (cellular) telephones, radio transceivers, mobile radio transmitters, radio-controlled toys, and so on, Medical devices in use may be susceptible to electromagnetic interference from other device. Electromagnetic interference may result in incorrect operation of the medical devices and create a potentially unsafe situation. Medical devices should also not interfere with other devices.

In order to regulate the requirements for EMC (Electro Magnetic Compatibility) with the aim to prevent unsafe

product situations, the EN60601-1-2 standard has been implemented. This standard defines the levels of immunity to electromagnetic interference as well as maximum levels of electromagnetic emissions for medical devices.

This unit has been thoroughly tested and inspected to assure proper performance and operation! This product needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided, the following tables recommend minimum separation distances between portable and mobile RF communications equipment and the RJADAT-1 unit.

1. Guidance and manufacture's declaration-electromagnetic emission-for all EQUIPMENT and SYSTEMS.

Guidance and manufacturer's declaration-electromagnetic emission			
Hearing aids are intended for use in the electromagnetic environment specified below. The customer of the user of hearing aids should assure that it is used in such an environment.			
Emission test	Classified / Test Level	Compliance	Electromagnetic environment – guidance
Power line conducted emission test	CISPR 11, Class B, Group 1	N/A	Hearing aids use 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.

Radiated emission test	CISPR 11, Class B , Group 1	Pass	The hearing-aids are suitable for use in all establishments, other domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic current emission test	IEC 61000-3-2, Class A	N/A	
Voltage fluctuations & flicker emissions	IEC 61000-3-3	N/A	

2. Guidance and manufacture's declaration-electromagnetic immunity-for all EQUIPMENT and SYSTEMS

Guidance and manufacturer's declaration-electromagnetic immunity for all equipment and systems.

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

Immunity test	IEC 60601 test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	Contact discharge: ± 2 kV, ± 4 kV, ± 6 kV, ± 8 kV Air discharge: ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV	Contact discharge: ± 2 kV, ± 4 kV, ± 6 kV, ± 8 kV Air discharge: ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV

Radiated RF electromagnetic fields immunity test	10V/m,80MHz -2.7GHz 80% AM at 1KHz RF Band(IEC 60601-1-2:2014+ A1:2020 section 8.10 table 9)	10V/m,80MHz -2.7GHz 80% AM at 1KHz RF Band(IEC 60601-1-2:2014+ A1:2020 section 8.10 table 9)
Electrical fast transient and burst test IEC 61000-4-4	AC port: ± 2 kV Patient coupling port: ± 1 kV 100kHz repetition frequency	N/A
Surge test IEC 61000-4-5	Line to line: ± 500 V, ± 1 kV Line to ground: ± 500 V, ± 1 kV, ± 2 kV	N/A
Power frequency (50Hz/60Hz) magnetic field IEC61000-4-8	30 A/m, 50Hz and 60Hz	30 A/m, 50Hz and 60Hz

Voltage dips, and interruption IEC 61000-4-11	0% UT; 0.5 cycles At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°	N/A
	0% UT; 1cycle and 70% UT; 25 cycles Single phase: at 0°	
	0% UT; 250 cycles	
Proximity magnetic fields immunity test	IEC 60601-1-2: 2014+A1:2020 section 8.11 table 11	IEC 60601-1-2: 2014+A1:2020 section 8.11 table 11
NOTE UT is the a.c. mains voltage prior to application of the test level.		

3. Guidance and manufacture's declaration–electro-magnetic immunity-for EQUIPMENT and SYSTEM that are not LIFE-SUPPORTING

Guidance and manufacturer's declaration-electromagnetic immunity for equipment and system that are not life-supporting		
The hearing aids are intended for use in the electromagnetic environment specified below. The customer or the user of hearing aids should assure that it is used in such an environment.		
Immunity test	Conducted RF IEC 61000-4-6	Radiated RF IEC 61000-4-3
IEC 60601 test level	10 Vrms 150 kHz to 80 MHz	10V/m 80 MHz to 2.5 GHz
Compliance level	10 Vrms	10 V/m

Portable and mobile RF communications equipment should be used no closer to any part of hearing aid treatment device including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.

Recommended separation distance

$$d = 1.2 \sqrt{P}$$

$$d = 1.2 \sqrt{P} \quad 80\text{MHz to } 800\text{MHz}$$

$$d = 2.3 \sqrt{P} \quad 800\text{MHz to } 2.5\text{GHz}$$

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: 

NOTE1:

At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE2:

These guidelines may not apply in all situations. Electro-magnetic 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, an electromagnetic site survey should be considered. If the measured field strength in the location in which hearing aids are used exceeds the applicable RF compliance level above, hearing aids should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating hearing aids.

b Over the frequency range 150kHz to 80MHz, fields strengths should be less than 3V/m.

4. Recommended separation distances between portable and mobile RF communications equipment and hearing aid

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

Rated maximum output power of transmitter (W)	Separation distance according to frequency of transmitter (m)		
	150 KHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.5 GHz
0.01	0.12	0.12	0.23
0.1	0.38	0.38	0.73

1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance in meters (m) can be estimated 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.

NOTE2:

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

VII. MAINTENANCE AND DISPOSAL

Maintenance

Warning: No modification of this equipment is permitted.

- 1) We do not authorize any institution or individual to maintain and/or repair the product. If you suspect that the products may be in question, please contact us immediately.
- 2) The user must not attempt any repairs to the device or any of its accessories. Please contact us for any repair needs.
- 3) Opening of the equipment by unauthorized agencies is not allowed and will terminate any claim to warranty.

Disposal

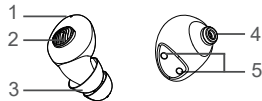


Please dispose of the device in accordance with the directive 2012/19/EU - WEEE (Waste Electrical and Electronic Equipment). If you have any questions, please refer to your local authority responsible for waste disposal.

VIII. HOW TO USE YOUR DEVICE

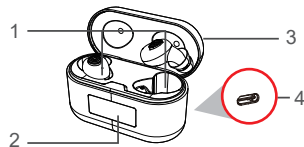
1. GET TO KNOW YOUR DEVICE

1.1 Hearing aids



1. **Sound inlet** - it picks up sounds and sends them into hearing aids
2. **Multi-function button** - switch the hearing program & adjust the volume
3. **Eartip** - eartips are soft silicon domes that ensure a comfortable and secure fit inside your ear
4. **Sound outlet** - the sound is output from this port
5. **Charging contacts** - necessary for hearing aid charging

1.2 Charging case



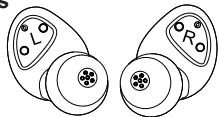
- 1. Charging slots** - charge and store the L/R hearing aids
- 2. Charging display indicator** - shows the charging percentage of the case (middle) and the charging status of the hearing aids (left and right icons).



- 3. Upper Cover** - the case top flips open and closed to protect your hearing aids while charging.
- 4. Charging port** - connects the charging case to USB cable.

1.3 Left & Right hearing aid markings

There is “L” or “R” marking on the hearing aid, which helps to distinguish between left and right hearing aid.



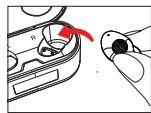
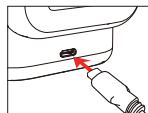
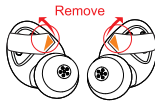
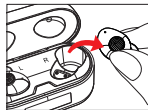
2. ACCESSORIES

Items	Description
Eartip × 6	hold the hearing aid comfortably and securely in the ear canal.
USB Cable × 1	used to connect the charging case to the power supply.
Cleaning Tool × 1	used to clean hearing aids and charging case.
Manual × 1	Instructions for how to use hearing aids and other objects.

3. USING THE HEARING AIDS

3.1 Activating the device

- Remove the stickers.
- Please activate your hearing aids and its charging case before first use.
- Plug in the charging case first, then placing the hearing aids inside the charging case.



3.2 Fitting eartips

Please follow the following steps to apply eartips. The eartips may remain in the ear canal with incorrect replacement while taking the hearing aids off the ear, which will cause hearing damage.

Step 1: Choose a suitable size of eartip.



L

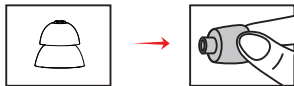


M

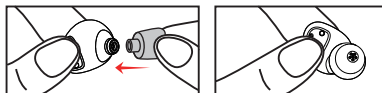


S

Step 2: Push the eartip rim membrane outward.



Step 3: Hold on to the end of the hearing aid and push firmly to ensure the eartip is fastened securely.

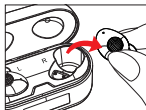


Notes: Please pull the eartips gently to check if it is installed firmly and ensure the eartips won't fall off easily.

3.3 ON/OFF

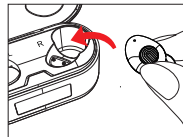
3.3.1 Turn on

● Your hearing aids will automatically turn on about eight(8) seconds after removal from the charging case.



3.3.2 Turn off

● Your hearing aids will automatically turn off when you put them back into the charging case.



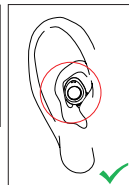
3.4 Wear/Remove Hearing Aids

3.4.1 Wearing Hearing Aids

Step 1: Hold the hearing aid and place it your right or left ear.

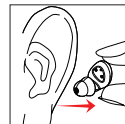


Step 2: Move the hearing aid slightly into your auricle for holding;

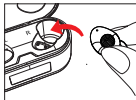


3.4.2 Removing hearing aids

Step 1: Grasp the hearing aid and remove it from your auricle gently.



Step 2: Place your hearing aids in the charging case.



Notice:

- Hearing aids will whistle when inserted incorrectly. Reinserting them into your ear canal correctly .
- If whistling remains after reinsertion, replace the eartips with bigger size and try it again.
- If the hearing aids doesn't work properly, please check the "Troubleshooting". If none of the solutions works, contact our service team.

3.5 Volume control

The hearing aid has six(6) volume levels.

You could adjust the volume level from minimum to maximum by pressing the multi-function button once.

Volume Level	Prompt Tone
1	Volume one
2	Volume two
3	Volume three
4	Volume four
5	Volume five
6	Maximum Volume

Tips:

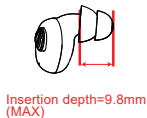
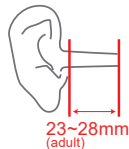
- When the volume of the hearing aids are adjusted to the volume level six, short press the button again to change the volume back to the volume level one.
- The hearing aids are designed with the memory function: The last setting can be remember when the hearing aids turned off.

3.6 Instruction for insertion depth

For adults, the average length of the ear canal has been estimated to be 23-28mm and the maximum insertion size of the hearing aid is 9.8mm.

So the distance from the eartip to the tympanic membrane after wearing the hearing aid is at least 13.2mm, which is greater than the lower limit of 10mm specified by OTC.

Therefore, the device is safe and complies with OTC regulations.



3.7 Program switch

- There are four(4) preset programs in the hearing aids.
- You could switch the hearing programs by long pressing the multi-function button about three(3) seconds.

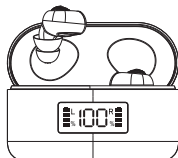
- Different programs have different voice prompts as below.

Hearing Program		Prompt Voice
1	Program 1	Program one
2	Program 2	Program two
3	Program 3	Program three
4	Program 4	Program four

4. USING THE CHARGER

4.1 Charge hearing aids

Insert them in the charging case. Each hearing aid only fits on its side of the case—left on the left side and right on the right side.



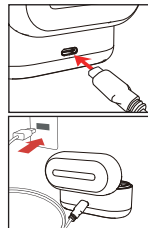
- The case's charging display shows the battery status of the left (L) and right (R) hearing aids while they are charging.
- The charging display shows the case's percentage of charge. If the display doesn't light up (or if this number is low), follow the instructions on the next page to charge the case.

* When the battery is low, the hearing aid will prompt “please charge” every 10 minutes. Recharge promptly to avoid automatic power-off.

Note: The space between the charging slots accommodates the domes and tails while you're charging the hearing aids. If you have trouble making them fit, remove the domes and store them separately.

4.2 Charge charging case

- Plug one end of the provided charging cable into the back of the charging case. Plug the other end into the charging adapter.
- Plug the charging adapter into a surge protector or power outlet.



- The charging display shows the case's percentage of charge.

IMPORTANT: Keep the case's flip top closed when charging or storing the hearing aids.

Note: Check the “6.1 Troubleshooting” when failure occurs to your devices.

5. 【HOW TO CARE FOR YOUR DEVICES】

Please follow the advice below for the best user experience and to prolong the life of your devices.

- Do not drop your hearing aids or knock them against hard surfaces.
- Do not use sharp tools to dislodge ear wax. Sticking household items into your devices can seriously damage them.
- Keep your devices away from high-temperature and/or high-humidity atmosphere.
- Do not swim, shower or sauna while wearing the hearing aids.
- Do not attempt to dry the hearing aids or charging case in an oven, microwave or other heating equipment. This will cause them to melt and may cause burns to your skin.
- Always remove your hearing aids when using hair care products. The hearing aids can become clogged and cease to function properly.
- Store your devices in a clean and dry location
- Do not use the electronic dryer to store the rechargeable hearing aids.
- Inspect the hearing aids, eartips, and charging case regularly. Remove earwax and debris from your devices by using enclosed cleaning tools.
- Clean the charging contacts of the rechargeable hearing aids with cleaning cloth regularly to ensure the normal charging.
- Eartips should be replaced every 3-6 months or when they become stiff, brittle, or discolored.

IX. MAINTENANCE AND CLEAN

1. Daily maintenance

It is important to keep your device clean and dry. On a daily basis, wipe them clean using a soft cloth or tissue. To avoid potential damage from excess humidity or perspiration, the use of a drying kit is also recommended.

2. Care and maintenance

When not in use, store in a secure area away from small children and pets.

Do not place hearing aid or charging base near high-temperature areas such as stoves or direct sunlight.

Do not leave the device in a humid place for a long time, such as bathroom.

Take care not to poke the microphone holes with any sharp objects to avoid damage.

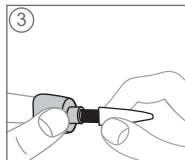
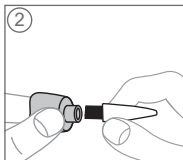
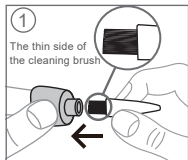
Do not disassemble or attempt any repairs by yourself. Doing so will void your warranty.

3. Cleaning

1) Cleaning the eartips

Please use the thin side of the cleaning brush to clean the eartip of earwax and debris.

- * Remove eartip from the hearing aid before cleaning, and push the eartip rim membrane outward.



③ Wipe the earwax with alcohol and a dry cloth. Wait for the eartips to dry before attaching them to the hearing aid.



*Note: We recommend that you change the eartip every three months. If the eartip get stiff, brittle or discolored over time, please change them sooner.

2) Cleaning Tool

Use a soft cloth or tissue to wipe any moisture, perspiration, or debris from the surface of the tool.

Note: Do not use alcohol or other cleaning solvents to clean the hook as this could damage the protective covering.

X.TROUBLESHOOTING GUIDE

6.1 Hearing aids fault self-checking table

Issue	Potential cause	Potential solution
Feedback or "whistling"	Are the hearing aids worn correctly in your ears?	Wear the hearing aids in your ears.
	Is the volume very loud?	Reduce the volume.
	Are the eartips broken or clogged?	Replace the eartips
	Are you holding an object close to the hearing aids?	Move your hand away to create more space between the hearing aids and the objects.
	Is your ear full of wax?	Visit your physician.

Issue	Potential cause	Potential solution
No sound	Pressing time is too short to turn on hearing aids.	Turn on your hearing aids in the right way.
	Remaining battery capacity is used out.	Charge the hearing aids.
	Microphone is clogged.	Clean debris or earwax from microphone.
Voice is weak or fuzzy	Low battery	Charge the hearing aids.
	Volume is too low.	Increase the volume level.
	Microphone is clogged.	Clean debris or earwax from microphone.

6.2 Charging case fault self-checking table

Issue	Potential cause	Potential solution
Indicator light of charging case is not light up or flashing.	Adapter is not powered	Power the adapter or replug to the power supply.
	Charging case is connected to the USB cable incorrectly.	Check and connect charging case to USB cable correctly.
Charging case can not charge the hearing aids.	Hearing aids are not inserted into the correct slot of charging case.	Insert hearing aids into the correct slot of charging case to charge.
	Charging contacts are dirty	Clean the charging contacts of hearing aids and charging case.

XI. TECHNICAL SPECIFICATION

Test Standard: IEC 60118-7 2005

Test Equipment: FONIX 8000

Test Coupler: HA-1

1). Hearing aids technical specifications	
Test Items	Nominal Value (Program 1)
Max. Output(OSPL90)	108dB
Average saturation output (HFA-OSPL90)	106dB
Maximum full-on gain	31dB
HFA-full-on gain(HFA-FOG)	28dB
The total harmonic distortion value(THD)	2%
Equivalent input noise level(EIN)	20dB
Frequency response bandwidth	F1=200Hz, F2=5500Hz
Operation environment	Temperature: 0℃~40℃, Relative humidity: 30%-75%RH, Atmospheric pressure range: 86~106kPa
Storage & transportation environment	Temperature: -10℃~+55℃, Relative humidity 10%-90%, Atmospheric pressure range: 70-106kPa

- The data are derived from the measured value of the product at the laboratory, not guaranteed values.

XII. WARRANTY

This limited warranty covers defects in material and workmanship for a period of one (1) year from the date of purchase, which includes the hearing aids, charger base within the warranty period.

Any damage caused by improper handling and care, exposure to elements or chemicals, or unauthorized service will not be covered by the warranty. All other damage claims excluded. A warranty claim must be submitted with the purchase receipt.



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