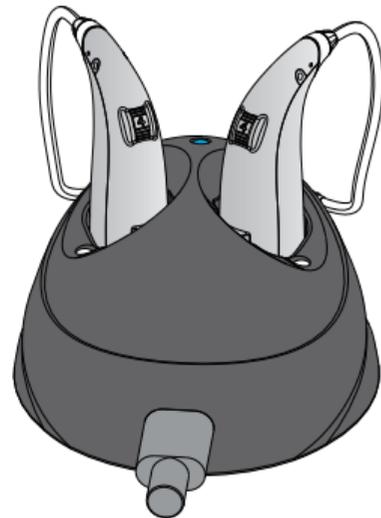


# User Manual

Teana-CF430S B+



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Enjoy hearing enjoy life

Version: 112022

Please read this user manual thoroughly and completely before using the product.

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Please download and install “HA-Fit” APP first.



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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. 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

### 2. WARNINGS Warning

- Keep small parts (hearing instrument, ear domes, 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 aids. 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.

### 2. Notice Warning

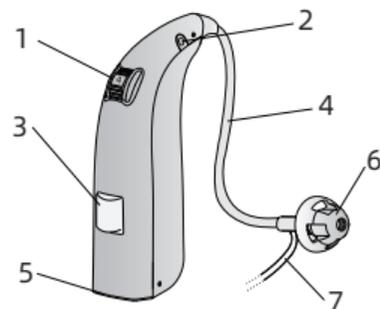
- Do not use at high volume for extended periods of time-ear injury can result.
- If you experience any pain or strong discomfort using the devices, remove and consult a doctor.

- Routine maintenance to keep the device clean is required. Ensure that ear domes 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.
- Batteries should be properly recycled and not disposed in the trash.
- Keep the devices away from small children. Injury or damage may result.
- Do not set volume levels too high. Listening with high-output devices for extended periods at high volume levels can cause further hearing damage.
- 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 touch the hearing aids to any type magnet or magnetized object. Your hearing aids are delicate electronic instruments and may be damaged by contact with strong magnetic fields.
- Do not attempt to open or repair the devices yourself. Damage can result and will void the warranty.

- Do not store your devices in a hot/humid locations. You should never leave your hearing aids near heating appliances or in direct sunlight.
- Do not leave your hearing aids in the car as Inside temperatures can reach dangerous levels which could damage the devices.

## II. HOW TO USE YOUR DEVICE

### 1. [HOW TO USE HEARING AID]



1. Volume control    2. Microphone    3. multi-function button  
4. Acoustic tube    5. Charging Point    6. Earplugs  
7. Stabilizer Bar

### 2. [QUICK GUIDE]

#### 2.1 ON/OFF

- Long press for about 3 seconds to turn on.
- Long press for about 3 seconds to turn off the power.



The hearing aids enter into hearing aid mode automatically after being turned on.

#### 2.2 Volume Adjustment

Adjust the volume of the hearing aid through the volume adjustment knob. There are four volume levels.



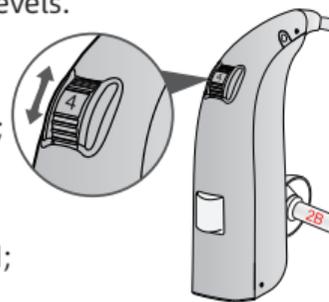
**Push up**

Increase the volume of the hearing aid;



**Push down**

Decrease the volume of the hearing aid;



#### 2.3 Hearing Mode Change

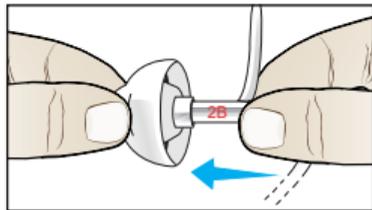
You can cycle through the 3 Hearing Mode by : short press button

Hearing Mode Change	Sound you will hear when activated	Hearing Mode
1	1 beep ("beep")	General Hearing Mode
2	2 beeps ("beep beep")	Noise Reduction Hearing Mode
3	3 beeps ("beep beep beep")	Outdoor Hearing Mode

## 2.4 How To Wear It

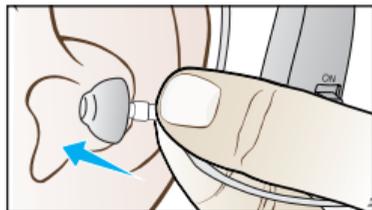
### Step 1:

Choose a suitable size ear dome, install in sound tube tail



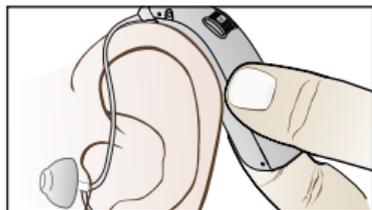
### Step 2:

Gently insert the earplug into the ear canal.



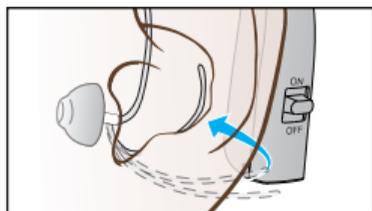
### Step 3:

Place the hearing aid behind the ear. The curve of the sound tube should fit comfortably on top of your ear.



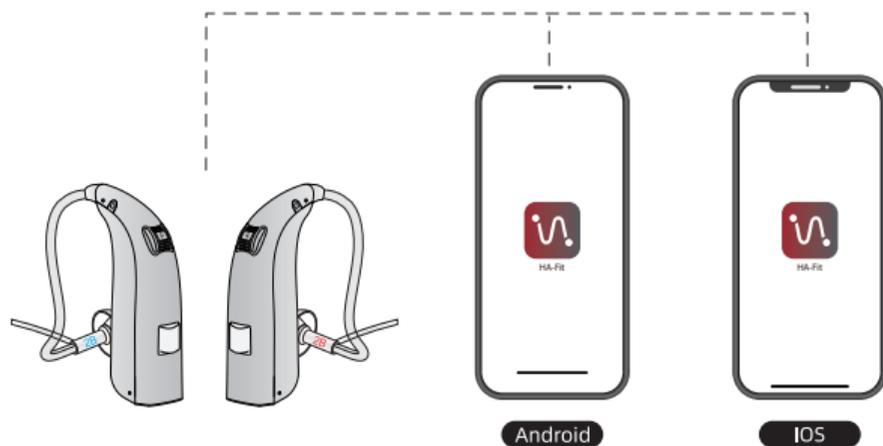
### Step 4:

Put the stabilizer bar into the outer bowl of the ear.



## 3. [HA-Fit APP]

Please download and install "HA-Fit" APP first.



### 3.1 HA-Fit app connects to hearing aids

- Step 1:** Please turn on the hearing aid.
- Step 2:** Be sure Bluetooth is enabled on your phone.
- Step 3:** Open the "HA-Fit" APP.
- Step 4:** Click the "Searching for Devices" button.

After "searching for devices", the HA-Fit APP will automatically connect to the hearing aid, and the successful connection status is shown in the figure. ( Connected "Tian..." )



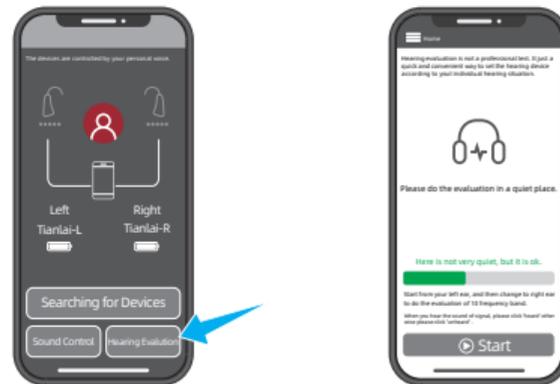
### 3.2 Hearing Evaluation

With the Hearing Hearing Evaluation module, you can quickly set up your hearing aids according to your hearing characteristics.

- Step 1:** Please put on your hearing aids and turn them on.
- Step 2:** Please do the evaluation in a quiet place.
- Step 3:** Click the "Hearing Evaluation" button.

**Step 4:** Follow all prompt steps to complete your personal hearing evaluation.

**Step 5:** After completing your hearing evaluation, click the Auto-Optimize button and your hearing aids will be optimized based on your hearing score.



### 3.2 Sound Control

The HA-Fit app is designed to allow you to conveniently control your hearing aids remotely from your Android or Apple device at hand. HA-Fit app covers key features like changing programs

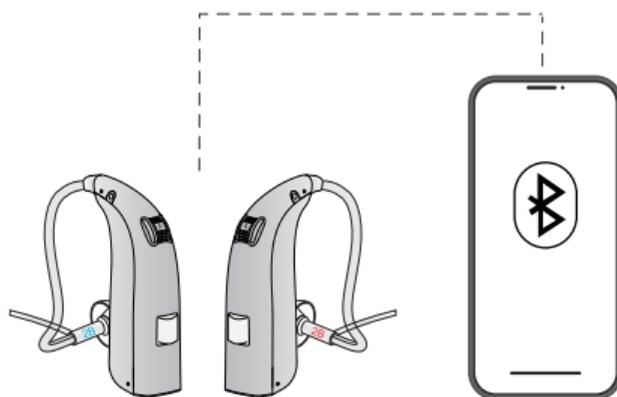
- Step 1:** Step 1: Click the "Sound Control" button.

**Step 2:** Enter the sound control interface, you can easily control the hearing aids, you can adjust various parameters, volume, program, frequency band, noise reduction...



Volume state		Sound you will hear when activated
Start-up level	Hearing mode beep sound (For single beep represent mode 1, For dual beeps represent mode 2 and etc)	Beep
Minimum / maximum volume		2 beep ( "beep beep" )
Volume up / down	Short press "+" or "-" button	Beep

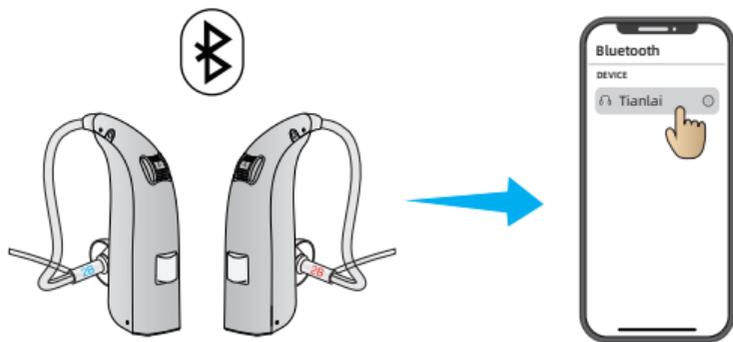
#### 4. [BLUETOOTH CONNECTION]



##### 4.1 To connect via Bluetooth (first time pairing):

- Remove BOTH Left and Right devices (both must be charged)- from the Charging Base.
- Please put on your hearing aids and turn them on.
- Be sure Bluetooth is enabled on your phone. Go to the Bluetooth setting on your phone and select "Pair New Device" (wording on your particular phone may be slightly varied)
- Search for the Bluetooth identifier of your device ("Tianlai") and select it to pair (connect)- this may take up to 2 minutes.

- Be sure to Accept any prompts given regarding connecting the device to your phone.
- There will be a prompt: connected, when they connect successfully.
- **Note:** the above pairing only needs to be done one time with your phone. After that, as long as your phone is nearby and Bluetooth is enabled, the hearing aid will automatically reconnect when turned on.



**Note:** If the Bluetooth on your device is not connected to the phone for a long time, it will automatically turn off. Please restart your hearing aid and re-pair with your phone.

Please keep the distance of your phone and hearing aids within 10 meters when they are connected. Beyond this distance, the sound quality may deteriorate and the connection may be lost.

#### 4.2 Bluetooth Mode Button Operation

- **Single click:** Play/Pause the song;  
Answer a phone call; End the call;
- **Quick double click (L) :** Skip forward to next song
- **Quick double click (R) :** Skip forward to previous song



- **Note:** Bluetooth/Hearing aid functionality switching is automatic.
- The devices will switch to Bluetooth mode automatically when you are on a phone call or listening to music or watching a video.
- If you pause/stop the music or end a call, the devices will automatically enter into hearing aid functionality.
- When disconnected from the phone (Bluetooth OFF), the device will automatically enter into hearing aid functionality.

### 4.3 Bluetooth Disconnect:

There are 2 ways to disconnect Bluetooth

1) Turn OFF the hearing aid.

Long press the button on the devices for 3 seconds(You will hear "Power Off" in your hearing aid)

3) Turn OFF Bluetooth on your phone. This will immediately disconnect your hearing aids from the phone. (You will hear "Disconnected" in your hearing aid) In this case, to reconnect, simply turn Bluetooth back on in the phone

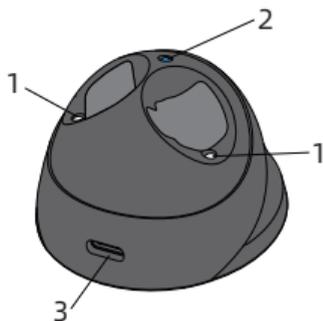
## 5. [CHARGING]

### 5.1 CHARGING BASE

1. Hearing aid charging indicator

2. Charging base charging indicator

3. Charging port to external power supply



### 5.2 How to charge

1) Plug the small Type-C cable tip into the charging Base. Plug the large USB-A end into a USB-A power source such as a wall charger or your computer.

2) Put the hearing aid in the charging cradle.

When the hearing aid is charged in the charging base, the indicator lights are as follows:

Condition	Sidelight
The hearing aid is charging	White light
Hearing aid is fully charged	Lights off

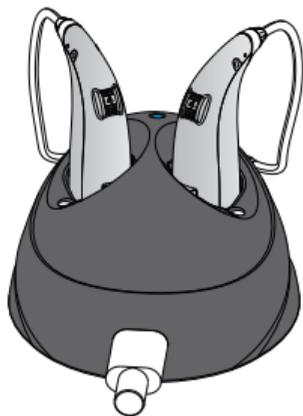
The indicator lights of the charging box are shown in the table:

Condition	Top Light
The charging case is charging	Flashing green
Charging box is fully charged	Green
The charging case is at low power level	Flashing blue

Charging Time: ≤2h

Rated Working Time: ≥14h

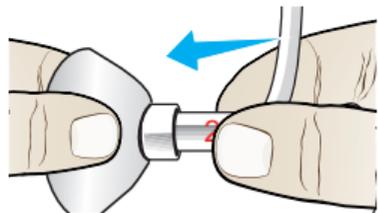
Bluetooth mode working time:  
2h bluetooth mode, 1h hearing  
aid mode after bluetooth mode off



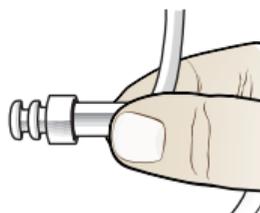
### III. REPLACEMENT ACCESSORIES

#### 1. [Change earbuds]

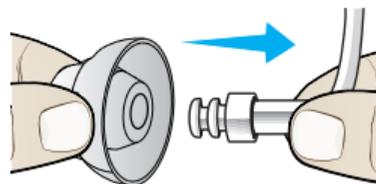
If the earplugs cannot fit your ear canal, there will be beep. So please choose the suitable earplugs that fit your ear canal.



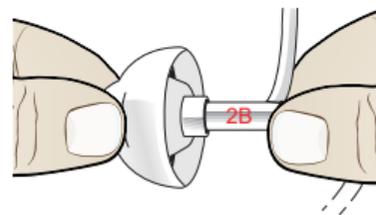
1) Turn the edge parts over.  
Hold the base part and pull it off.



2) Hold the Sound tube with your  
hand.



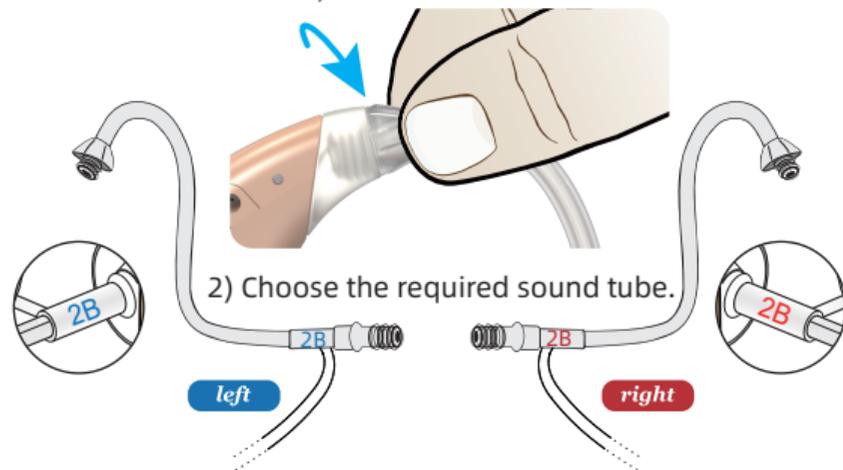
3) Insert the earplug straight  
and insert it gently..



4) And then try to pull the earplug lightly  
to make sure that it will not come off.

#### 2. [Replace the sound tube]

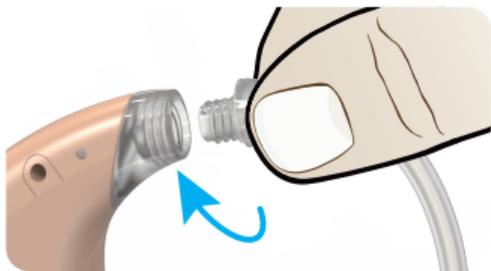
1) Remove the sound guide by rotating the bottom of the sound  
tube counterclockwise;



2) Choose the required sound tube.

Please distinguish the right ear and the left ear according to the sign of the sound tube tail (2B). Blue for the left and red for the right.

3) Turn the bottom of the sound tube clockwise to connect the sound tube to the machine.



## IV. MAINTENANCE AND CLEANING

### 1. [Daily maintenance]

It is important to keep your devices 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 aids or charging base near high-temperature areas such as stoves or direct sunlight.
- Do not leave the devices 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 ear tips

Remove any earwax buildup using the enclosed tool. Wipe clean with a tissue or soft cloth.

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.

## V. HEARING AIDS CARE

- Keep your hearing aids clean. Extreme temperatures (heat or cold), moisture, and foreign substances can result in poor performance.
- Use the cleaning brush tool or soft cloth to clean debris from around the buttons, microphones, and charging contacts; inspect the receiver, ear tips, and charging base regularly.
- Never use water, solvents, cleaning fluids or oils to clean your hearing aids.
- Charging contacts should always be kept clean and dry.
- Always store your hearing aids in the charging base when not in use or cleaning.

### Charging Base Care

- Keep your charger clean. Heat, moisture and foreign materials can result in poor performance.
- Using the provided cleaning brush keep the charging ports clear of debris.
- Do not use water, solvents or cleaning fluids to clean the charging ports.
- Store your charger in a clean and dry location, i.e. a dresser or shelf rather than the bathroom or kitchen.

## VI. TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSES	SOLUTIONS
No Sound	Volume too low	Increase volume if volume control available
	Device is not charged	Place charging the hearing aid until the indicator is lighted in blue color.
	Microphones are clogged	Clean out any debris from the mic holes
	Ear Domes clogged	Clean out any debris from the ear domes
Voices are low, very weak, or unclear	Low battery	Place the aids into the charging base to charge
	Ear Domes are too loose	Choose a suitable size ear dome, wear it correctly.
	Earwax in ear dome	Clean out any debris from the ear domes and receiver area with the cleaning brush
	Hearing has changed	Contact your physician to report any sudden drop in hearing
Bluetooth connection	Hearing aid cannot connect to your phone, or take a long time to connect	1) Make sure that your headphones are not connected to other devices, and that your device is not connected to other Bluetooth devices.

		2) Long press the button on the devices for 3 seconds to turn them off. Turn it on again.
	Your hearing aid are connected to other phone	Turn off Bluetooth on other phone. It will immediately disconnect your hearing aid from the phone. To reconnect your phone again.
	Bluetooth connection is not stable and causes some interruptions	Try shortening the distance between your hearing aid and device. Avoid solid barriers in between.
Hearing aids whistling in the charger	Incorrect orientation	Ensure the USB cable is connected to the Charging base plugged into power. The base power status lights will blue to indicate charging.
	Charger battery depleted	Reposition your hearing aids in their slots, ensuring the contact points are touching the charge points in the base.
After the hearing aid is connected, the hearing aid indicator is not lit	Poor contact between hearing aid and charging base	Reinsert the hearing aid into the charging base
	Hearing aid reverse	Check to see if the hearing aid is reversed

## Hearing aid failure self-checking table

[Fault self-check] project	Possible Causes	Solution
Hearing aid has no sound	The button time is too short to start	Long press the button for 3 seconds, restart
	Battery fully discharged	Connect the hearing aid to the charging base for charging
The voice is very weak and unclear	Low battery	Connect the hearing aid to the charging base for charging
	Volume is set too low	Increase volume if volume control available
	Ear Domes are too loose	Hearing aid not inserted correctly into ear, wear it correctly
Hearing aid plays notification sound	Indication for low battery	Charge hearing aid
Indicator light on hearing aid does not light up when hearing aid placed in charging inserts	Hearing aid not inserted correctly into charger	Insert hearing aid correctly into charger
	Charger not connected to power source	Connect charger to external power supply
	Battery fully discharged	Wait three hours after placing hearing aid in charger, regardless of LED behavior

## Charging base fault self-checking table

[Fault self-check] project	Possible Causes	Solution
After the hearing aid is connected, the hearing aid charging indicator is not lit	Poor contact between hearing aid and charging base	Reinsert the hearing aid into the charging base
	Hearing aid reverse	Check to see if the hearing aid is reversed
Hearing aid indicator lights are dark or dim	Dirty charging contacts	Clean the contacts of the hearing aid and the charger
Charging does not start	Hearing aid not inserted correctly into charger	Insert hearing aid correctly into charger

## VII. TECHNICAL SPECIFICATION

Max.OSPL90	$\leq 120\text{dB}$
HF Avg.OSPL90	$109 \pm 4\text{dB}$
Max gain	$\leq 48\text{dB}$
HFA Gain	$33 \pm 5\text{dB}$

Noise Level	$\leq 32\text{dB}$
Frequency Range	$F1 \leq 200\text{Hz}$ $F2 \leq 4000\text{Hz}$
Battery Current	NA
Total Distort	$\leq 3\%$

## VIII. DO NOT USE IF ANY OF THE FOLLOWING APPLY TO YOU:

- 1) Congenital atresia of external ear or deformity of any part of the ear canal
- 2) Deafness is unstable, and the degree of hearing loss often fluctuates
- 3) Persistent headaches, dizziness, earaches, tinnitus or other symptoms that are not suitable for adaptation
- 4) Sudden onset of hearing loss within the past 3 months; rapid progressive deafness; unilateral hearing loss or other acute ear disease;
- 5) Effusion (secretions/discharge) in the ear and/or frequent purulence (pus)

- 6) Central deafness (central nervous system) or non-organic deafness
- 7) Patients with acute otitis externa and tympanitis
- 8) Patients with acute and chronic suppurative otitis media (in the period of purulent infection)
- 9) Patients who are allergic to the materials of this product

## **IX. MATTERS NEEDING ATTENTION, WARNING AND TIPS**

1. Do not immerse the hearing aid in any liquid. Remove the hearing aid before swimming or bathing. After swimming or washing, 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 case with a desiccant if possible, protected from light, high temperature and high humidity environment.
3. The external surfaces of the hearing aid should be kept clean, and earwax in the ear domes should be cleaned out daily
4. When you do not use hearing aids, please charge the product regularly to avoid battery damage; the recommended charging time interval of hearing aids is  $\leq 28$  days

## **X . FCC Warning Statement**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.