



Spracht®

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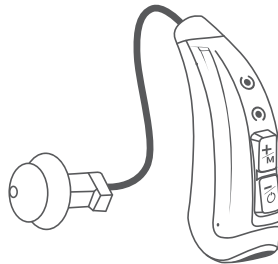
Manufactured for Spracht in China



tonen™

Customizable Hearing Aid

Model: HA-1



User Guide

Please read this manual thoroughly and completely before using the product

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Thanks for buying Tonen HA-1 hearing aids. You'll be able to customize the hearing aids for the best sound for you, and to hear better than ever.

I. Important safety instructions

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

1.1 When not to use this device

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.

1.2 WARNINGS ⚠

- Keep small parts (hearing aids, ear tips, battery or other detachable parts) that can be swallowed out of the reach of children. Dropping, submerging in water or other 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 them on your own.

1.3 Notice ⚠ Warning

- Do not use at high volume for extended periods of time - hearing damage can result.
- If you experience any pain or excessive discomfort using the

- devices, remove them and consult a medical professional.
- Routine maintenance to keep the devices clean is required. Ensure that ear tips 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 a sauna), to avoid damage.
- Batteries should be properly recycled and not disposed of 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 health care professional.
- 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.
- Do not use the hearing aids together with a cell phone headset - excessive noise and distortion may result. Instead, Bluetooth pair the hearing aids with your cell phone. Radio wave emissions from mobile phones can cause noise in the hearing aids or result in reduced volume.
- Please contact us for
 - Assistance, if needed, in setting up, using, or maintaining your devices, or
 - To report any unexpected operation or events

Specific warnings / statements

Keep small parts away from and out of the reach of children to avoid accidental ingestion.

Warning: Do not use in explosive or oxygen-enriched atmospheres, as doing so may damage the device.

Warning: the device should only be used by intended person because using hearing aids set for someone else's hearing may result in hearing damage.

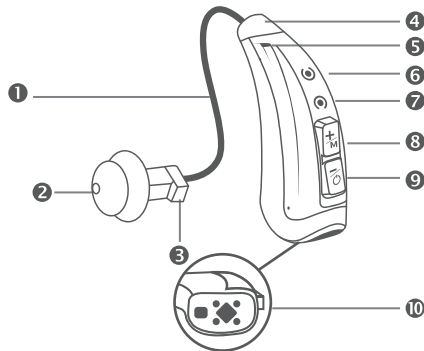
II. Do not use if any of the following apply to you:

1. Congenital atresia of external ear or deformity of any part of the ear canal.
2. The degree of hearing loss often fluctuates.
3. Persistent headaches, dizziness, earaches, tinnitus (ringing in the ears) or other symptoms that are not suitable for using hearing aids.
4. People with acute inflammation of the outer ear (otitis externa) and tympanitis.
5. Sudden onset of hearing loss within the past 3 months; rapid progressive deafness; unilateral (one sided) hearing loss or other acute ear disease.
6. Secretions/discharge in the ear and/or frequent incidence of secretion material.
7. People with acute and chronic suppurative otitis media (in the period of purulent infection).
8. Central deafness (central nervous system) or non-organic deafness.
9. People who are allergic to the materials in this product.

III. Matters needing attention, warnings and tips

1. Do not submerge in water or any other 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, you should place it in the case, with a desiccant if needed, and protected from light, high temperature, and high humidity environments.
3. The external surfaces of the hearing aid should be kept clean, and earwax in the ear tips should be cleaned out daily.
4. Applicable objects: Suitable for people with air-conducting hearing loss of about 30-50dB.
5. When not using the hearing aids, please charge the product regularly to avoid battery damage; the recommended charging time interval of hearing aids is ≤ 28 days.

IV. How to use your Tonen™ HA-1 Hearing Aids



Parts and Controls

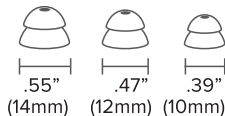
- | | |
|----------------------------------|------------------------------|
| 1. Over Ear Cable | 6. Bluetooth MIC 2 |
| 2. Ear tips | 7. MIC 3 |
| 3. Speaker | 8. Volume UP/Mode Switch |
| 4. Bluetooth indicator LED light | 9. Volume DOWN/ Power ON/OFF |
| 5. MIC 1 | 10. Charging contact |

1. How to Apply Ear Tips

Please follow these steps to mount ear tips, because incorrect placement could cause the tip to become separated from the rest of the unit. That could potentially leave the tip in your ear.

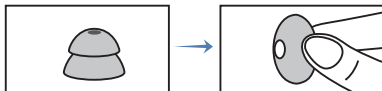
Step 1:

Choose a suitable size ear tip.



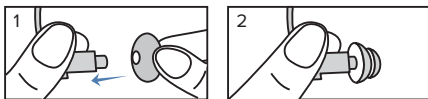
Step 2:

Push the ear tip rim membrane outward.



Step 3:

Hold the over ear Cable and press the ear tip on it firmly to make sure it is on securely.

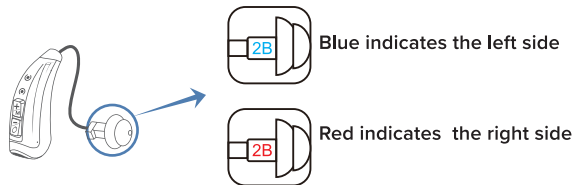


IMPORTANT:

After the ear tip is installed, pull on it gently to make sure it is firmly installed and ensure the ear tip does not fall off easily.

2. Left and Right Hearing Aid Markings

Take a look at the two hearing aids: The left side is marked in blue, and the right side is marked in red.



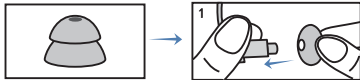
3. Putting On and Removing the Hearing Aids

For comfort, always turn off your hearing aids before you put them on or remove them.

3.1. Wearing the Hearing Aids

Step 1:

Choose the suitable size ear tip and place it on the hearing aid.



Step 2:

Insert the ear tip end of the hearing aid in your ear.



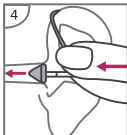
Step 3:

Gently move the rest of the hearing aid over your ear until it is securely behind your ear.



Step 4:

Push the ear tip end of the hearing aid into your ear until it feels snug and comfortable.



3.2. Removing the Hearing Aids

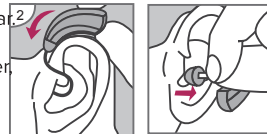
Step 1:

Press and hold the  switch for three seconds; the hearing aid Turns Off.



Step 2:

Lift the hearing aid from behind the ear.² For a moment, let it hang beside your ear. Using your thumb and index finger, gently pull the hearing aid tip loose from your ear.



Notes:

- In a few cases, the ear tip may remain in the ear canal after the hearing aid is taken out. If that happens, you'll need to ask a health care professional to take the ear tip out.
- Before the hearing aid is appropriately secured, it may produce a creaking sound, which is normal. The creaking sound can be used as a reference to determine whether the hearing aid is secured. If the hearing aid creates a whistling sound, please check if it is on correctly. If it is properly in place but the whistling continues, please replace with another set of ear tips. When not in use, please turn the hearing aid off.
- If the hearing aid is not functioning properly, please check the "Troubleshooting Guide". If none of the solutions work, please contact customer service.

- It is normal to hear some high-pitched whistling or buzzing due to mic feedback when the hearing aid is at a high volume level or not fitted well into the ear. If this occurs, lower the volume and adjust the hearing aid within the ear. Also check to make sure you are wearing the best size ear tips to ensure a proper fit in the ear canal, as this may also induce some minor feedback if not snug in the ear.

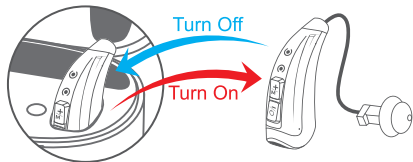
4. Turning ON/OFF

There are 2 ways to Turn ON and OFF

4.1 Turn ON:

Remove the hearing aids from the charging case - they will turn ON automatically (indicator lights flash blue). The hearing aids enter into hearing aid mode automatically after being turned on.

Turn OFF: Place the hearing aids back into the charging case - the lights will flash blue three times and the devices will shut off automatically and begin charging (if the case is sufficiently charged or plugged into a power source).



4.2 Turn ON:

Press and hold  buttons on the devices for 3 seconds to turn them on. You will hear "Power On" in your earpiece.

Turn OFF: Press and hold  buttons on the devices for 3 seconds to turn them off. You will hear "Power Off" in your earpiece.



5. Connecting to Bluetooth

5.1 First time pairing

- Remove BOTH Left and Right devices (both must be charged) from the Charging Case.
- 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 differ).
- Find the Bluetooth identifier of your device HA-1 and select it to pair; this may take up to 2 min.
- Be sure to accept any prompts regarding connecting the device to your phone.

- After successful connection, the blue light on the device will flash once every six seconds instead of blinking rapidly.

Your hearing aids allow for direct communication and control with iPhone, iPad®, or iPod touch®.

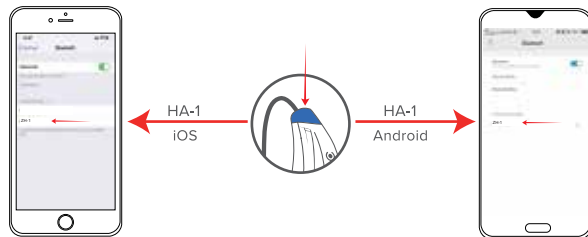
Note: the above pairing only needs to be done one time with your phone. After that, as long as your phone is nearby and Bluetooth is enabled, the hearing aids will automatically reconnect when taken out of the charging case.

5.2 Bluetooth Disconnect:

There are 3 ways to disconnect Bluetooth

1. Turn OFF the devices by returning them to the Charging Case.
2. Press and hold  buttons on the devices for 3 seconds to turn them off. You will hear "Power Off" in your earpiece. If you press and hold again for 3 seconds they will turn back on. You will hear "Power On" in your earpiece.
3. Turn OFF Bluetooth on your phone. This will immediately disconnect your hearing aids from the phone. You will hear "Disconnected" in your earpiece. In this case, to reconnect, simply turn Bluetooth back on in the phone.

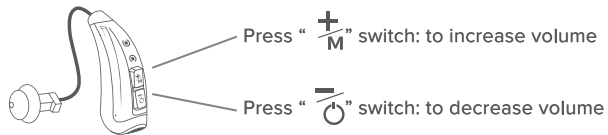
NOTE: Bluetooth on your devices will automatically turn off if they are not connected to a phone within 10 minutes of being removed from the Charging case.



Attention :

The Bluetooth function is only to be used with mobile phones and related devices for making and receiving calls or listening to entertainment. They are non-medical device functions, and not meant to have any medical device functionality or purpose. Please use them accordingly.

6. Volume Adjustment



You will hear a "Beep" when you turn the volume up or down. When the volume is at highest or lowest level, you will hear a "Beep-Beep-Beep" tone.

7. Phone Calls, Listening to Music, and Voice Assistant

On either Right or Left hand hearing aid

7.1 Phone Call



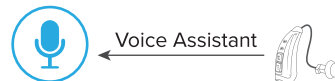
$\frac{-}{O}$	- 1 press to answer calls. - Press and hold to reject/end calls. - 1 press to turn down volume.	A
$\frac{+}{M}$	- 1 press to turn up volume.	B

7.2 Listening to Music



$\frac{-}{O}$	- 1 press to turn down volume. - 2x press to play/pause. - 3x press for next song.	A
$\frac{+}{M}$	- 1 press to turn up volume. - 3x press for previous song.	B

7.3 Activating the Smartphone Voice Assistant



$\frac{-}{O}$	2x press to activate music player.	A
$\frac{+}{M}$	3x press to activate smartphone voice assistant	B

NOTE:

Bluetooth hearing aid functionality switching is automatic.

- The devices will switch to Bluetooth mode automatically when you are on a phone call, 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 mode.
- When disconnected from the phone (Bluetooth OFF), the device will automatically enter into hearing aid mode.

8. Hearing Mode Change

You can cycle through the 4 Hearing Modes by pressing and holding the  switch.

Mode Switching Table

Hearing Mode	Tone You Will Hear	Mode
1	1 beep	Customize
2	2 beeps	Standard
3	3 beeps	Noise Reduction
4	4 beeps	Outdoors

NOTE: you need to perform the operation on BOTH of the devices to switch modes.

9. Download the App

The app is compatible with Android and iOS. You can personalize your hearing experience.

Step 1:

Download the free app 'Audiologist' from the App Store or Google Play Store



Step 2:

Enable the Bluetooth on your phone: search for the pairing name of "HA-1".

*iPhone and iOS are trademarks of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc.

Step 3:

Tap to connect your hearing aid with your phone. You can adjust the volume and customize adjustments.

- Search and connect the device name “HA-1-L” or “HA-2-R”.

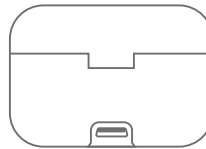


What Can Hearing App Do?

- Adjust volume settings in your phone.
- Perform a hearing test.
- Customize the hearing mode program.

The Audiologist App allows you to customize the HA-1 hearing aids to your hearing. You can set your hearing profiles for Custom, Standard, Denoise, and Outdoor. There are also settings for Noise Reduction and an Equalizer. Follow the prompts in app to access the various functions.

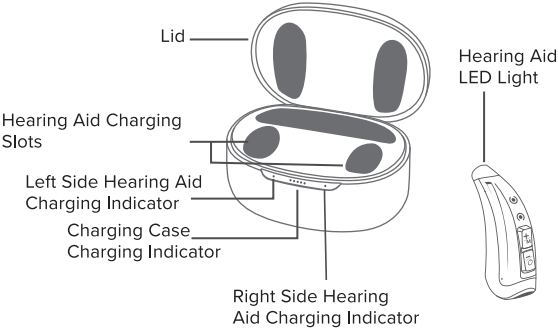
- Choose the Audiologist App feature and select Install.
- The app must only be used with HA-1 hearing aids and is not intended for use with other devices. We take no responsibility if the app is used with other devices.
- If you would like a printed version of the user guide for the smart phone app, please contact customer support or go to our website.



Micro-USB connection to external power

10. Charging the Case and Hearing Aids

- 1. Plug the small micro-USB cable end into the USB charging port of the Case. Plug the large USB-A end into a USB-A power source such as a wall charger or your computer.
- 2. The four bar LED lights on the Case will flash blue while charging. Each bar represents 25% of charge capacity - so all four lights equal 100% charged. When fully charged, the four lights will be solid blue.
- 3. When the hearing aids are in the Case, all charging will automatically turn off when the Case and hearing aids are fully charged. The Case will continue charging with or without the Case lid closed but we recommend closing the lid when charging overnight to keep out dust and moisture.
- 4. When the charging case is charging, the charging indicator shows a flashing blue light. The blue indicator will glow solid blue when the Case is fully charged.
- 5. While the hearing aids are charging, the indicator lights on the charging case will glow blue. After they are fully charged, the light on the hearing aids will glow white for one minute then shut off.
- 6. After inserting the hearing aids into the charging case, close the lid and place it on a flat even surface away from exposure to moisture, dust, or extreme temperatures.
- 7. The fully charged case offers 3 full charging cycles for a pair of hearing aids.



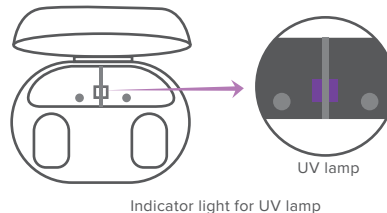
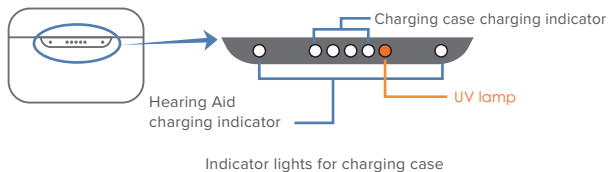
Charging light display mode

⊙ Flashing ⊗ Stop ● Solid blue light ○ Solid white light				
	Power	Left hearing aid charging indicator	Charging indicator of the charging case	Left hearing aid charging indicator
Charging	Full	○ 2 Hours	● ● ● ●	○ 2 Hours
	75%~100%	/	● ● ● ⊙	/
	50%~75%	/	● ● ⊙ ⊗	/
	25%~50%	/	● ⊙ ⊗ ⊗	/
	0%~25%	/	⊙ ⊗ ⊗ ⊗	/

All data in this manual, such as service time, charging time, continuous working time, and charging times are derived from our internal laboratory testing and meant for reference purposes only. Your exact usage and times may differ depending on various conditions and use patterns.

The UV lamp sterilization function (use is optional)

1. Sterilization: The UV lamp can effectively kill bacteria such as Escherichia coli, Staphylococcus aureus, Staphylococcus albus and the like.
2. The orange light will go out after charging for ten minutes.
3. Within ten minutes of the orange light on the outside of the charging case, the UV lamp inside the charging case will start the sterilization function.



⚠ Safety tips: Use caution while using the UV lamp, taking care to reduce exposure to the light.

11. Cleaning

1. Cleaning the ear tip

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



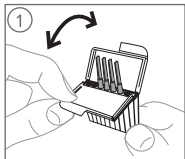
2. Cleaning Tool

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

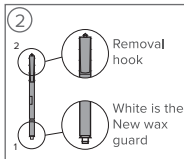
Note: Do not use alcohol or other cleaning solvents to clean the hook as this could damage the protective covering.

3. Daily maintenance

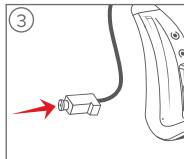
It is important to keep your devices clean and dry. On a daily basis, wipe them clean using a soft cloth or tissue. To avoid potential damage from excess humidity or perspiration, we also recommend the use of a drying kit.



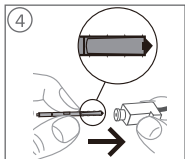
Open the wax guard case as illustrated



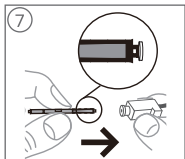
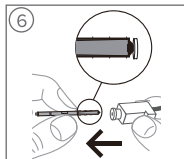
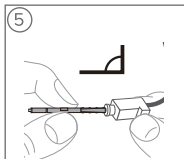
Take out the earwax baffle



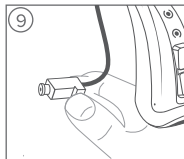
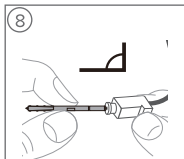
Position of Hearing Aid wax guard



Insert the removal hook into the used wax guard. Keep the holder at a right angle. Pull the used wax guard straight out.



Insert the new wax guard into the opening of the sound outlet and press it gently and pull the holder straight out.

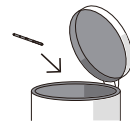


12. Changing the Wax Guard

The wax guard helps to protect the hearing amplifier against earwax. Refer to our website for replacement wax guards.

IMPORTANT

1. The wax guard is a disposable product and cannot be cleaned.
2. Throw away the used wax guard.
3. If the wax guard cannot be locked on the hearing aid, replace with a new wax guard.
4. The wax guard should be kept away from children and pets.
5. In rare cases, the wax guard may accidentally remain in the ear canal. In this case, seek immediate medical treatment and the care of a health care professional. Do not try to remove it yourself as this may cause serious ear damage.



V. Maintenance and Cleaning

6.1 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, we recommend the use of a drying kit.

6.2 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 case near high-temperature areas such as stoves or direct sunlight.
- Do not leave the devices in a humid place, such as a bathroom, for a long period of time.
- Take care not to poke the microphone holes with any sharp objects to avoid damage.
- Do not disassemble or attempt any repairs on your own. Doing so will void your warranty.

6.3 Cleaning

- Cleaning the ear tips

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

- 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.

VI. Caring for your Hearing Aids

- 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 case regularly.
- Never use water, solvents, cleaning fluids or oils to clean your hearing aids.
- Keep the charging contacts clean and dry.
- Always store your hearing aids in the charging case when not in use or cleaning.

Charging Case Care

- Keep your charger clean. Heat, moisture and foreign materials can result in poor performance.
- Use the provided cleaning brush to keep the charging ports clear of debris.
- Do not use water, solvents or cleaning fluids to clean the charging ports.
- Keep lid closed as much as possible to avoid dust and debris build up.
- Store your charger in a clean and dry location, such as a dresser or shelf rather than the bathroom or kitchen.
- To ensure the longest life of your rechargeable hearing aids' batteries and the batteries in the charger, fully charge them every night.

Service and Repair

If, for any reason, your hearing aids and charger do not operate properly, do NOT attempt to fix it yourself. Besides possibly causing further damage, you will void the warranty. Should your hearing aids or charger fail or perform poorly, check the Troubleshooting Guide section for possible solutions. If problems persist, contact us for assistance.

VII. Troubleshooting Guide

SYMPTOM	POSSIBLE CAUSES	SOLUTIONS
No Sound	Device is not charged	Place the aids into the Charging Case for at least 1.5 hours
	Microphones are clogged	Clean out any debris from the mic holes
	Ear Domes or speaker tip are clogged	Clean out any debris from the ear domes and receiver area with the cleaning brush
Inconsistent performance Distorted sound	Restart required	Place aids in charger until charging begins and remove - this will power cycle your hearing aids

SYMPTOM	POSSIBLE CAUSES	SOLUTIONS
Voices are low, very weak, or unclear	Low battery	Place the aids into the Charging Case for at least 1.5 hours
	Volume is set too low	Clean out any debris from the mic holes
	Ear Domes are too loose	Clean out any debris from the ear domes and receiver area with the cleaning brush
	Change in your hearing	Contact your physician to report any sudden drop in hearing
Hearing aids whistling in the charger	Charger battery depleted	Ensure the USB cable is connected to the Charging Case plugged into power. The Case power status lights will flash blue to indicate charging.
	Incorrect orientation	Reposition your hearing aids in their slots, ensuring the contact points are touching the charge points in the case.

SYMPTOM	POSSIBLE CAUSES	SOLUTIONS
The voice is very weak and unclear	Low battery	Connect the hearing aid to the charging case for charging
	The volume is too low	Turn up the volume
	Earplugs loose	Adjust the hearing aid

Table 4: Charging case fault self-check table

[Fault self-check]	Possible Causes	Solution
After the hearing aid is connected, the hearing aid indicator is not lit	Poor contact between hearing aid and charging case	Reinsert the hearing aid into the charging case
	Hearing aid reversed	Check to see if the hearing aid is reversed
Hearing Aid indicator lights are dark or dim	Low battery	Connect USB cable to charge

VIII. Tips for Better Communication

It will take practice, time, and patience for your brain to adapt to the new sounds that your hearing aids 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.

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 may not have 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 aids can and cannot do.
- Better hearing with hearing aids is a learned skill combining desire, practice, and patience. You will learn and adjust, it just takes a little time. Remember to be patient with yourself.

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.

IX. Technical Specifications

Model	ZH-1
Output. OSPL90 Max.	$\leq 122\text{dB}+3\text{dB}$
High frequency average OSPL90	$111\text{dB}+4\text{dB}$
EQ Input Noise	$\leq 29\text{dB}+3\text{dB}$
Frequency Range - not narrower than	400Hz-4500Hz
Working Current	10mA
Total Harmonic Distortion	$\leq 7\%+3\%$
Working Voltage	d.c.3.7V

Item	Charging Case
Charging box Input voltage	d.c.5.0V
Charging box Input current	500mA
Charging box Output current	80mA
Working Voltage	d.c.3.7V
Charging box Output voltage	d.c.4.2V

X. Accessories List

Hearing Aids: 2

Ear Tips: 6

Cleaning Tools: 1

Manual: 1

USB Cable: 1

* Optional accessories list:

Adapter

Input: 100-240V~50/60Hz 0.2A

Output: 5V $\overline{\text{---}}$ 1A 5W

XI. Symbols

	Follow operating instructions
	Dispose in accordance with Directive 2002/96/EC (WEEE)
	CE Labeling This product satisfies the requirements of the applicable European and national directives
	Date of manufacture
	Serial number
	Warning/ Danger: Improper use might cause serious injuries.
Storage/Transport 	Range of storage and transport temperature and humidity
Operating 	Range of operating temperature and humidity

IP65

IP6X Test Condition:

Test Condition:

Talcum powder wire diameter :50 μ m

The nominal width of a gap between wires 75 μ m

IPX5 Test Condition:

Nozzle diameter: 6.3mm;

Distance: 2.5m to 40m

Water flow rate: (12.5+/-5%) L/min

Test time: at least 3 min

There was no deposit of talcum powder inside of the enclosure. 500VAC electric strength test was passed between current carrying parts and enclosure.

XII. Maintenance, Storage and Disposal

Maintenance

1. There are no authorized repair facilities, so if you have a problem with your product please contact us for help.
2. Do not attempt any repairs to the device or any of its accessories. Please contact us for any repair needs.
3. Attempting to repair the device(s) will void the warranty. Warning: No modification of this equipment is permitted.

Storage

1. Always store your devices in the Charging Case when not in use.
2. Do not store or expose the devices and/or case to extreme hot/cold temperatures, moist/humid environments, or shock/vibration.
3. Keep the devices and case in following environmental ranges:
14° to 131°(-10°C to 55°C), 10%-90%RH, 700-1060 hPa

Disposal



Please dispose of the device in accordance with directive 2002/96/EC – WEEE (Waste Electrical and Electronic Equipment). If you have any questions, please refer to agencies in your local area responsible for waste disposal.

XIII. Warranty

Warranty

Spracht® warrants its products against defects or malfunctions in material and workmanship under normal use and service, with the exceptions stated below. This warranty lasts for one year from the original date of purchase. Coverage terminates if you sell or otherwise transfer the product. In order to keep this warranty in effect, the product must have been handled and used as prescribed in the instructions accompanying the product. Spracht® shall (at its option) repair or replace a defective unit covered by this warranty, or shall refund the product purchase price. Repair, replacement with a new or reconditioned unit, or refund, as provided under this warranty, is your exclusive remedy. This warranty does not cover any damages due to accident, misuse, abuse, or negligence. Spracht® shall not be liable for any incidental or consequential damages.

Some states do not allow limitation or exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Implied warranties of merchantability and fitness for a particular purpose are limited in duration to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. To make a warranty claim, the purchaser must obtain a return authorization number (RA) from Spracht® (serial number and purchase date required), and then return the product to Spracht® at purchaser's expense. A copy of the original dated receipt or shipping

document must accompany the product. To obtain a return authorization, see Warranty on our website www.spracht.com, e-mail info@spracht.com, or contact us at: Spracht®

974 Commercial Street, Suite 108, Palo Alto, CA 94303 USA

Tel: 650-215-7500 Fax: 650-485-2453

Customer Service: 1-833-SPRACHT (1 833-777-2248)

XIV REGULATORY AND LEGAL INFORMATION

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.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this

equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with FCC radiation exposure limits set forth for general population. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC ID: 2A39M-W3HEARING

Radio Technology: Bluetooth Low Energy (BLE) and proprietary technologies.

Radio Transceiver Frequency Range: 2.4 to 2.480 GHz

Radio Receiver Bandwidth: 2MHz

Modulation Type: 1 Mb/s GFSK Peak Effective Isotropic Radiated Power: 0 dBm

This equipment has been tested and found to comply with the limits per CISPR 11 class B.

Guidance and Manufacturer's Declaration – Electromagnetic Emissions			
The hearing aid is intended for use in the electromagnetic environment specified below. The user of the hearing aid should assure that it is used in such an environment.			
Emissions Test	IEC60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
RF emissions CISPR 11	Group 1	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	Glass B	Glass B	The hearing aid is 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.

Guidance and Manufacturer's Declaration – Electromagnetic Immunity		
The hearing aid is intended for use in the electromagnetic environment specified below. The user of the hearing aid should assure that it is used in such an environment.		
Immunity Test	IEC60601 Test Level	Compliance Level
Electrostatic discharge (ESD) IEC 61000-4-2	+/- 8 kV contact +/- 15 kV air	+/- 8 kV contact +/- 15 kV air
Radiated RF EM Fields IEC 61000-4-3	10 V/m 80 MHz – 2.7 GHz 80% AM at 1 kHz	10 V/m 80 MHz – 2.7 GHz 80% AM at 1 kHz

Immunity Test	IEC60601 Test Level	Compliance Level
Proximity fields from RF wireless communications equipment IEC 61000-4-3	9 V/m; 710, 745, 780 MHz; Pulse modulation 18 Hz-9 V/m; 5240, 5500, 5785 MHz; Pulsemodulation 217 Hz 27 V/m; 385 MHz; Pulse modulation 18 Hz 28 V/m; 450 MHz FM +/- 5kHz deviation; 1 kHz sine 28 V/m; 810, 870, 930MHz; Pulse modulation 18Hz 28 V/m; 1720, 1845, 1970, 2450 MHz; Pulse modulation 217 Hz	9 V/m; 710, 745, 780 MHz; Pulse modulation 18 Hz 9 V/m; 5240, 5500, 5785 MHz; Pulse modulation 217 Hz 27 V/m; 385 MHz; Pulse modulation 18 Hz 28 V/m; 450 MHz FM +/- 5kHz deviation; 1kHz sine 28 V/m; 810, 870, 930MHz; Pulse modulation 18 Hz 28 V/m; 1720, 1845, 1970, 2450 MHz; Pulse modulation 217 Hz