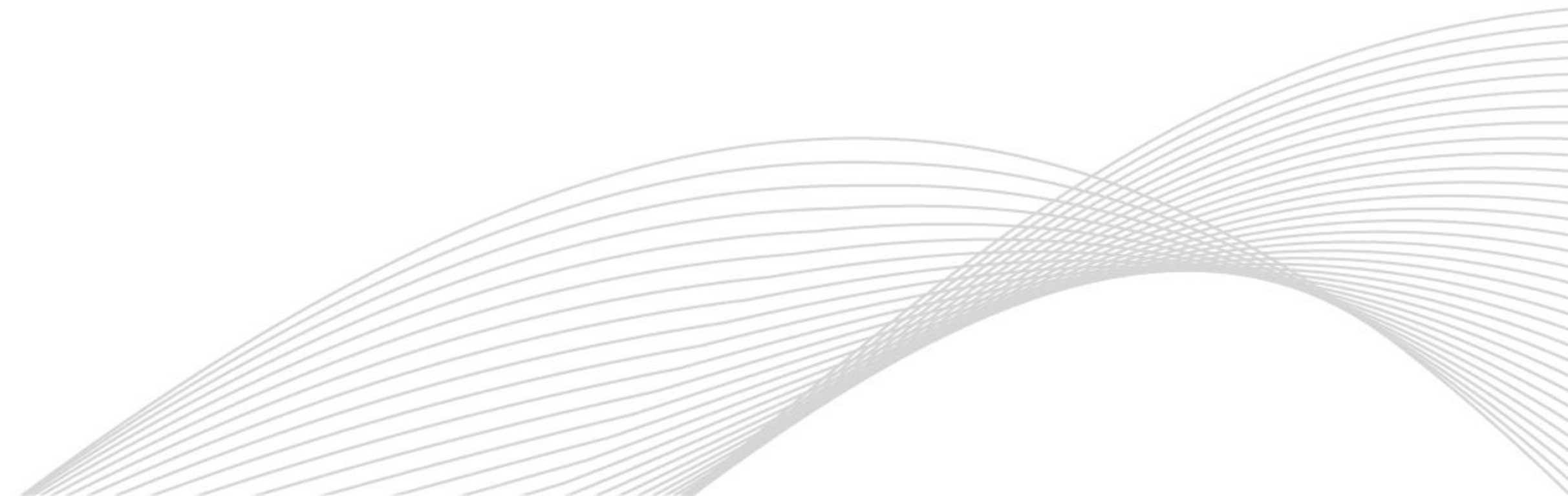


User Guide



Dear Customer

Thank you for choosing our sound amplifier!

The sound amplifier is a very sophisticated electronic device used to compensate hearing loss for the hearing impaired. Our company has been committed to the development and production of high-quality sound amplifiers.

Please read the instructions carefully before using this product, and be sure to use and maintain your sound amplifier in accordance with the instructions in order to extend the service life of your sound amplifier.

If you have any question, please consult the hearing center where you purchased your sound amplifier, or call our customer service center.

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1. Overview

Thanks for choosing our new-brand sound amplifier. Each product has been carefully manufactured and strictly tested by our company to ensure that each sound amplifier is of excellent quality.

a) Features

The shape of the sound amplifier conforms to the structure of the human ear canal, and it is invisible and comfortable to wear. It is suitable for listening not only in quiet environments, but also in noisy environments.

b) Software version

Software name: Embedded sound processing software based on ultra-low power DSP

Release version: V3

c) Main purpose and scope of application

- Hearing compensation for hearing loss patients.
- Suitable for patients with air-conduct hearing loss, but children under 12 years of age need to wear it under the supervision of an adult.

d) Model Number

J707、J907、L807、LS07

e) Program info

Program	Program1: Basic	Program 2: High Frequency Cut	Program 3: Low Frequency Cut	Program 4: Tinnitus Mask
J707	√	√	-	-
J907	√	√	√	-
L807	√	√	√	-
LS07	√	√	√	√

f) Condition

Operating Conditions: Temperature: 0°C ~ +40°C, Humidity: 0 % ~ 80 %.

Rated Voltage: DC1.4V.

Normal Atmospheric Pressure Range: 86Kpa ~ 106Kpa .

Storage and Transportation Condition: Temperature: -20°C ~ +50°C ,humidity: 0 % ~ 93 %.

g) Impact on the Environment

The sound amplifier contains a NI-MH battery. Please do not throw them away randomly.

Please dispose of the used batteries according to local regulations to protect the environment.

h) Safety

- Danger: To avoid accidental swallowing by children, keep sound amplifier away from children.
- Danger: Do not put the Sound Amplifier in a microwave oven or fire, as it may cause an explosion.

- Danger: Do not put the sound amplifier in the mouth. The sound amplifier contains a battery. If you accidentally swallow it, please consult a doctor immediately. Swallowing the battery will be life-threatening.

- This sound amplifier must only be used by the intended person and not by others.

- For those who have undergone ear canal surgery, it is not recommended to buy the product directly. You should go to the hearing center to consult with the dispenser before purchasing.

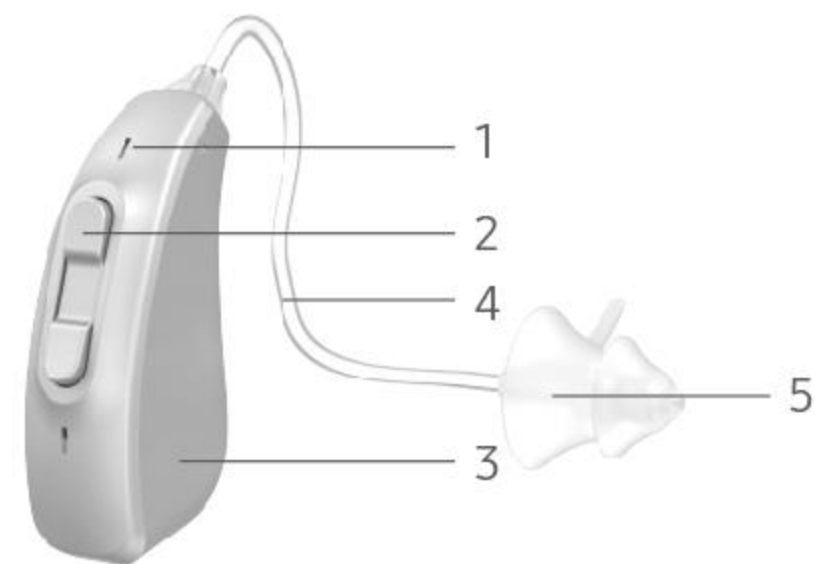
- Special User:

- (1) Children can't wear the sound amplifier without the guidance of adult.

- (2) Mental patient should consult a physician before wearing a sound amplifier.

2. Product performance and structure composition

The product consists of a microphone, signal amplification processing circuit, receiver, volume control, NI-MH battery and shell.



- 1. Microphone
 - 2. Push Button
 - 3. Shell
 - 4. Sound Tube
 - 5. Earplug (SET)
- (3B/2B/1B/0B Configuration: 2B)

Note: The above pictures are for reference only. Parts may be replaced according to the actual needs of customers and products.

3. Technical Specification(IEC 601 18-7 2CC)

Technical Specification	Typical Value			
	J707	J907	L807	LS07
MAX OSPL90(dB SPL)	115	115	115	115
HFA OSPL90(dB SPL)	102	102	102	102
Peak Gain(dB)	35	35	35	35
HFA FOG(dB)	28	28	28	28
Frequency Range	F1≤300Hz; F2≥3000Hz	F1≤300Hz; F2≥3000Hz	F1≤300Hz; F2≥3000Hz	F1≤300Hz; F2≥3000Hz
THD at 500Hz	7.0%	7.0%	7.0%	7.0%
THD at 800Hz	7.0%	7.0%	7.0%	7.0%
THD at 1600Hz	7.0%	7.0%	7.0%	7.0%
Eq. Input Noise Level(dB)	29	29	29	29

Technical Specification	J707	J907	L807	LS07
Battery Current Drain(mA)	3.5	3.5	3.5	3.5
Attack Time(ms)	500	500	500	500
Release Time(ms)	1500	1500	1500	1500

4. Sound amplifier use

a) Power ON and OFF

- Power on: Long press the volume +/- button more than 5S to power on or take it out of the charging box to automatically power on.
- Shutdown: Press and hold the volume +/- button more than 5S to shut down or put it back into the charging box to shut down.

b) Sound amplifier charging

- Open the charging box, put the sound amplifier into the slot of the charging box, put the left ear into the "L" and the right ear into the "R", and arrange the Earplug and sound tube.



- When the sound amplifier is charging, the indicator light below the sound amplifier lights up orange; when the sound amplifier is full, the corresponding indicator light goes out.

- It takes about 4 hours to charge sound amplifier completely.

c) Charge box charging

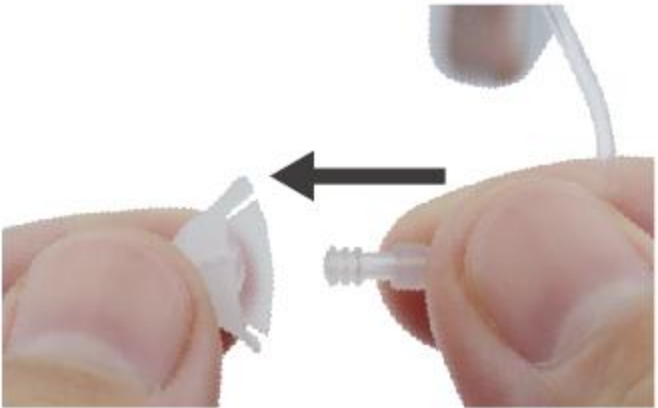
- The Micro USB cable connects the standard-compliant power adapter and charging box.
- During the charging process, the middle indicator light of the charging box is displayed in orange; when fully charged, the middle indicator light is displayed in green.
- It takes about 4 hours to recharge charge box completely.
- Charging indicator

condition	Sound amplifier charging indicator	Middle indicator of charging box	Description
Dock in charging case	Orange light on	No light is on	The charging box is fully power
	Orange light on	Orange light flashes	The charging box is power low
	No light is on	No light is on	The charging box power is seriously low or the sound amplifier is not placed in the charging case correctly

When the charging box is insufficient or severely insufficient, you should charge the charging box in time to avoid affecting your normal use.

d) Install Earplug

Select the appropriate earplug and install the sound amplifier in the direction shown.



Tips:

- It is recommended that you turn down the volume before wearing your sound amplifier to avoid howling from the sound amplifier.

- Please choose medium size earplug for the first time wearing. If the earplug is too small, wearing them in the ear canal will easily cause the sound amplifier to squeal, please replace with larger earplug.

- If the earplug is too big for you to wear, please choose a smaller earplug.

e) Replacement of sound tube

- Remove the sound tube: pinch the top of sound tube, anticlockwise rotate 90° and pull it out. Please kindly check the following picture for reference.



- Assemble the sound tube: pinch the top of sound tube, plug it into the hole in connector, clockwise rotate 90°. Please kindly check the following picture for reference.



f) Wearing sound amplifier

Pinch the bottom of the catheter with your fingers, align the Earplug with the ear canal and gently push in, pull the auricle back with your other hand, and rotate the Earplug back and forth to adjust the position of the Earplug to fit in place. Place the sound amplifier behind the ear, close to the head and hung comfortably on the pinna.



g) Remove sound amplifier

Remove the sound amplifier from behind the ear, pinch the bottom of the sound tube and pull it gently. After the earplug is loosened, take it out and remove it together with the sound amplifier.



Remark:

1. When picking up the sound amplifier, open and close your mouth, and gently pull the ear back with your other hand to make it easier to remove the sound amplifier.
2. It takes a lot of practice to put on and remove sound amplifier. Sound amplifier is very sophisticated product. Falling may cause damage to the sound amplifier. Therefore, the sound amplifier must be worn and removed on a soft surface. (E.g. sofa or bed).

i) Volume control

- Short press button (less than 1 second)

Tap the volume key + to increase the sound.

Tap the volume key - to decrease the sound.

- Long press button (2 seconds)

Press and hold any volume for 2 seconds, the program will switch cyclically:

Program 1: Flat type, suitable for most hearing loss.

Program 2: High frequency compensation, suitable for declining hearing loss.

Program 3: Low frequency compensation, suitable for rising hearing loss.

Program 4: Tinnitus masking, adapt to the noise environment (only available in LS07).

This sound amplifier has a program and volume memory function. When it is adjusted to a suitable program and volume for more than 10 minutes of continuous use, the sound amplifier will memorize the current program and volume setting, and when it is turned off and turned on next time, it will automatically restore to the memorized program and volume , no need to adjust the volume and program again.

● Long press button

When the sound amplifier is turned on: press and hold any volume key for more than 5 seconds to turn off the sound amplifier.

When the sound amplifier is turned off: press and hold any volume key for more than 5 seconds to turn on the sound amplifier.

● Low battery indicator

When the battery power is low, sound amplifier may have problems such as low volume and distortion. At this time, the sound amplifier will emit a beep every 5 minutes until the sound amplifier is automatically turned off. Please charge your sound amplifier in time to avoid affecting your normal use.

5. Simple Failure Analysis and Troubleshooting

Failure	Cause	Solution
Whistling	The sound amplifier is not worn correctly	Correct and wear it again
	Too much earwax in the ears	Clean earwax
No sound	Power OFF	Power ON
	Low power or run out of battery	Charging sound amplifier
	The sound hole of the sound amplifier is blocked by dirt	Clean sound amplifier
	Sound amplifier ear cerumen protector is blocked by dirt	Clean sound amplifier sound holes and earplug
Small voice	Small volume	Increase volume

Failure	Cause	Solution
Small voice	Battery power low	Charge sound amplifier
	Sound amplifier is wet	Use dryer to keep sound amplifier dry
	The sound hole of the sound amplifier is blocked by dirt	Clean sound amplifier
	Sound amplifier ear cerumen protector is blocked by dirt	Clean sound amplifier sound holes and earplug
High power consumption	Sound amplifier is not turned off when not in use	Turn off or put back into the charging case to charge when not in use
	Sound amplifier is wet	Use dryer to keep sound amplifier dry
Intermittent sound	Noisy sound	Charging sound amplifier
	The sound hole of the sound amplifier is blocked by dirt	Clean sound amplifier

Failure	Cause	Solution
Intermittent sound	Sound amplifier ear cerumen protector is blocked by dirt	Clean sound amplifier sound holes and earplug
No indication when charging	The sound amplifier is not placed in the charging case correctly	Adjust the sound amplifier or put it back in the charging case
	The charging box power is low	Charging the charge box

If the above methods still cannot eliminate the fault, please contact the hearing center where you purchased the sound amplifier, or contact our company's customer service center directly.

6. Sound amplifier maintenance

During the use of sound amplifier, it will accumulate in the ear canal and the sound hole of the sound amplifier. A large amount of earwax will affect the use of sound amplifier.

So please clean your ear canal and maintain your sound amplifier regularly.

Use a dry, soft cloth to clean the sound amplifier.

- When wiping or cleaning the sound amplifier, please do it on a soft table top (for example, you can put a soft towel on the table top) to avoid damage to the sound amplifier when accidentally dropped.

- Use wax guard to remove the wax in sound tube.

- Clean the sound outlet: pinch the sound tube, use a brush to softly clean the earwax of sound outlet.



- Remember: It is strictly forbidden to use any liquid to clean the sound amplifier.

7. Matters needing attention

Optional sound amplifier should undergo professional hearing testing and fitting, and be used under the professional guidance of a doctor or sound amplifier dispenser.

a) Moisture protection

Moisture in any form has an impact on sound amplifier. Moisture-proof helps to extend the service life of sound amplifier, avoid using or storing in humid environments, and dry sound amplifier regularly.

b) Waterproof

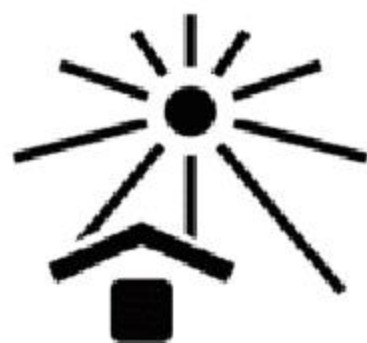
Do not immerse the sound amplifier in any liquid. Remove the sound amplifier in advance and keep it properly before swimming, bathing, washing hair, washing face, etc. After swimming or washing, wait until the ear canal is dry before putting on a sound amplifier. If the sound amplifier is



accidentally dropped into the water, do not use a microwave oven or any dryer to dry it. You can wipe it dry with a soft, clean cotton cloth and dry it naturally in a ventilated environment. If it fails, please check with your sound amplifier. Contact the distribution center or directly contact the company's customer service center.

c) High temperature protection

Sound amplifier should avoid high temperature or long-term exposure to sunlight.



d) Anti-drop

Sound amplifier are sophisticated electronic devices and should be avoided from falling to the ground or severe vibration or impact.

e) EMC precautions

- According to GB/T 25102.13-2010 "Electroacoustics, Sound amplifier Part 13: Electromagnetic Compatibility (EMC)" requirements, sound amplifier meet the requirements for compatibility with neighbors.

- The user should use the sound amplifier in the electromagnetic environment described in GB/T 25102.13-2010, otherwise it may cause the sound amplifier to malfunction.
- Portable and mobile radio frequency communication equipment may affect the normal use of sound amplifier. Please use sound amplifier in the recommended electromagnetic environment.
- Do not wear sound amplifier while receiving shortwave hyperthermia, X-rays, MR scans, CT scans, or similar radiation therapy.

f) Other considerations

- The outer surface of the sound amplifier should be kept clean, and the earwax in the Earplug should be washed frequently.
- Sound amplifier should be sent to the fitting center for maintenance and inspection regularly to ensure that the sound amplifier are in good condition.
- The push buttons should be applied correctly, and press as lightly as possible to avoid excessive force or excessive force.
- When the sound amplifier is not used for a long time, the sound amplifier should be put back into the charging box and turned off.

Sound amplifier contain batteries and should be kept out of the reach of children to avoid accidental ingestion by children. Once a child accidentally ingested, they should be sent to the hospital immediately.

8. Unpack and inspection

- Check whether the actual parts are in accordance with the accessory list.
- Check whether the model marked on the warranty card is consistent with the model of the sound amplifier.
- Check whether the serial number marked on the warranty card is consistent with the serial number of the sound amplifier.

9. Contraindications

Acute otitis externa, otitis, chronic suppurative otitis media (in the period of pus infection),

acute suppurative otitis media, and patients allergic to this product. Optional sound amplifier should undergo professional hearing testing and fitting, and be used under the professional guidance of a doctor or sound amplifier fitter.

10. Sound amplifier warranty

a) Range for free warranty

For all devices, the failures caused by non-human factors will enjoy free warranty from the date of purchase.

b) The warranty period

From the date of purchase, it should be non-human damage, free repairs are given within the warranty time, please check the warranty period on the warranty card.

c) Non-free warranty coverage

- The damage caused by incorrect use or improper operation.













- Disassemble, assemble parts and other human caused damage.
- The damage caused by irresistible reason (Floods, fires, earthquakes, etc).
- Change the Sound Amplifier model, serial number on the warranty card without authorization.
- No warranty card.

d) Production date,use period

That is the normal working hours of the product. The product needs to be stored and used as required. After the specified use time is exceeded, its expected function will be affected (such as unable to meet the product performance index requirements, etc.). The service life of sound amplifier products is 5 years, and the production date is shown on the label.

Transportation conditions: The packaged sound amplifier can be transported by general cargo transportation methods, and should be protected from rain, exposure and collision during transportation.

11. Symbol Information

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