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AcoSound®
—— 爱可声助听器 ——

Hearing aids for the back of the ear

Instruction Manual

耳背式助听器

ACOSOUND TECHNOLOY(CANADA) INC

Hearing aids for the back of the ear
User instructions

Ear back hearing aid is a precision sensitive medical electronic product, so please read the book carefully before use, and follow the instructions to operate, improper operation may damage the hearing aid.

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Ⅰ.Description of components

Remarks:

1. Basic structures include an input transducer (microphone), a signal conditioning unit (DSP), an output transducer (receiver), a battery, an ear-back housing (skin contact part behind the human ear), an ear hook, other auxiliary structural components, and a sound control knob (optional),fine-tuning knob (optional), program selection button (optional).

2. the size of earplugs, users can determine the size of earplugs according to their actual ear canal situation, we have prepared three sizes of earplugs for you to choose from.

3. the length of the tube, the user can bring the earplugs into the ear, then hang the machine behind the ear, determine the position of the tube intersecting with the machine, cut off the extra tube, and put it into the ear hook.

II. Operational guidelines

1、Wear method

1.1Wear a hearing aid

Connect the acoustic outlet of the hearing aid to the standard earplug, please pay attention to distinguish the left and right ear correspondence;

Load the corresponding battery and gently close the hearing aid battery door. It is best not to close completely (see on / off function) when the hearing aid is not working.)

Pinch the earplugs with your forefinger and thumb and align them to the ear canal, which will help you bring them more easily; The upper part of the earbuds is gently backward and moving forward so that the earbuds match comfortably with the ear canal;

Place the hearing aid behind the ear. Move up and down to

4. Users can rotate the catheter to the right angle according to their left and right ears.

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determine whether the earplugs are in the right position. Open mouth a few times, can help you feel the position of earplugs is correct;

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Make sure to wear in place, completely close the battery door, hearing aids start working.

You can still wear it while the hearing aid is on, but during the wear you may hear from the feedback.

1.2 Remove the hearing aid

When you remove the hearing aid money, it is recommended that you slightly open the battery door to stop the hearing aid first; lift the hearing aid from the ear and hang it in your ear; gently hold the ear plug with your index finger and thumb; pull the ear plug out along the ear canal (be careful not to pull the hearing aid or catheter); then remove the ear plug with the hearing aid; while removing the hearing aid, another hand is under the auricle to help you remove the hearing aid.。

1.3 Practice wearing

It takes practice to wear and remove the hearing aid. But practice makes perfect, after a period of time can skillfully operate hearing aids. Use your time at home, start with a mirror, preferably on the table, giving your arm a fulcrum, It is more convenient to operate. If you have any questions about how to wear and remove your hearing aids, consult your matchmaker

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2. on/off function

You can turn off / turn on the hearing aid by opening / closing the battery bin door. Open the battery bin and the hearing aid stops working. Fully close the battery door and the hearing aid starts working.

3 Procedure selection

Up to four listening programs can be used in the ear-back hearing aid of the Echo series. Please specify the number of hearing aids you have.

With the program switch button, you can easily select the listening program you want to use.

When the switch defaults to the first listening program, through the "program switch button ", switch to the second listening program, the hearing aid issued" Didi "two sound prompt.

When the hearing aid is turned off again (see on / off function), the system automatically switches to the listening program.

The first program is suitable for use in a quiet environment (saturated listening needs, not suitable for long-term wear), and the fourth program is nused when there is a need for high frequency (such as listening to music). Please choose according to your environmet

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4.replacement batteries

When the battery is insufficient, the hearing aid makes a "drop" sound. Give a low power prompt until it stops working. In order not to affect your normal life, it is recommended that you carry a new battery with you. Please refer to the illustration:

Type of hearing aid using zinc empty battery refer to "technical parameters ";

When replacing the battery should be lightly pushed, do not forcibly close the battery bin, lest damage the hearing aid;

If the battery power is too low, the hearing aid will not work properly, in order to ensure your normal use, please replace the new battery in time;

If you can't use the hearing aid for a long time, remove the battery so as not to corrode

Before using the new zinc empty battery, please remove the adhesive sticker attached to the positive electrode of the battery (as shown);

the hearing aid.

Use of caveats:

- ◆ Batteries should be kept away from children and pets;
- ◆ Do not put waste batteries into fire, lest cause explosion;
- ◆ Do not put the battery and medicine together, do not put the battery into the mouth;
- ◆ Swallowing the battery can be life-threatening, if accidentally swallow the battery, please immediately seek medical attention;
- ◆ Please treat waste batteries to protect the environment according to environmental regulations;
- ◆ It is suggested that waste batteries be sent to places where waste batteries are professionally recycled for disposal by sanitation workers or to buried areas where waste batteries are prescribed by the state for burial;
- ◆ Scrap machines should be treated in accordance with environmental regulations to protect the environment.

2. phone calls

You can answer the phone using the Echo series ear-back hearing aid, but you need more skills and practice to use it better. Since the microphone (sound input port) of the back hearing aid is not directly opposite the ear canal above the auricle, the receiver should be close to the top of the auricle when answering the phone.

When using the phone, if there is a feedback howling, please speak the phone receiver a little away from the hearing aid.

The steps to clean earplugs are as follows:

◆Please separate the earplug from the guide tube of the hearing aid before cleaning the earplug

◆If there are left and right earplugs, please pay attention to distinguish;

◆Use small brushes and soft dry cloth to clean earwax on earplugs. If necessary, but use soft cleaning agents such as water, flexible soap wipe;

◆You can wash earplugs with water. Note: do not use water or other liquids to clean the hearing aid fuselage;

◆ Please make sure the water on the tube and earplug has been blown dry before reconnecting the earplug with the hearing aid;

◆ The connection between earplugs and hearing aids should correspond to the left and right ears.

III . Scope of application, contraindications, recommended useful life

Scope of use: for hearing loss patients hearing compensation.

Contraindications: acute external otitis media, euritis, chronic suppurative otitis media (in the period of purulent infection), acute suppurative otitis media patients allergic to product materials, etc.

Recommended replacement years: five years

Scope of use: for hearing loss patients hearing compensation.

Contraindications: acute external auditory canal inflammation, euritis, chronic suppurative otitis media.

IV . Product characteristics

1. by type of shock protection: internal power
2. Classification by type of click: B type
3. by level of protection against incoming fluids: general equipment
4. Classification by safety in the case of flammable anaesthetic gas mixed with air or flammable anaesthetic gas mixed with oxygen or nitrous oxide: AP 、APG type
5. Hearing aids :1.4 V power supply

V. Routine maintenance

Hearing aids are sophisticated and sensitive electronic devices, and it is important to keep them clean and dry.

Wipe off grease or moisture from the shell with soft dry cloth or cotton paper. If the hearing aid eats fish wet environment or often in contact with sweat, please open the hearing aid battery bin door at night and put it in a drying box with desiccant with earplugs. Please refer to the drying box for details about the use of desiccant.

In order to better use hearing aids, please pay attention to the following points in daily use:

Do not place hearing aids in the hot sun, close to the stove or other heat sources;

Do not shower, swim, rain or humidity Use of hearing aids in the environment, such as sauna and steam bath;

Carefully protect the hearing aid from falling to the ground or other hard plane.

Avoid contact with chemicals or strong detergents.

VI . Simple Fault Checklist

Failure	Reasons	Processing methods
be silent	No boot Battery is dead or too low Out of the mouth	Boot Replace batteries and place them correctly Replace baffle and clean hearing aid
High power consumption	No hearing aids shut down at night Battery over the validity period Hearing aids dampened	Turn off hearing aids at night Check battery life Use desiccant or consult a matchma
Light sound	Low volume, low battery Power Clogging of microphone inlet, dirty plugging of speaker outlet, alteration of hearing loss, earwax accumulatio	Increase volume, replace new batteries, replace microphone baffles, replace speaker baffles, consult with matchmaker, clean ear canal or consult a docto
The sound is intermittent	Low battery power	Replacement of new batteries

The above method can not solve your hearing aid problem, please consult or repair the matchmaker.

Failure	Reasons	Processing method
Noise	Battery power is too low	Replacement of batteries
Whistling	Excessive volume adjustment	Turn down the volume
The voice is	Battery power is too low, hearing loss	For battery replacement,

Personal plans:

The first week, use hearing aids at home for 1-2 hours, re-familiarize and distinguish all kinds of sounds, even if some sounds you are not familiar with or understand, it does not matter, please stick to practice. Try to listen to all kinds of water (it is difficult to adapt to watching TV and listening to the phone);

not clear	changes	please consult the matchmaker

The above method can not solve your hearing aid problem, please consult or repair the matchmaker.

VII . Rehabilitation guidance

First wear hearing aid adaptation plan principles:

Time from short to long, use environment from quiet to noisy, peace of mind, patience to adapt!

The second week, you can take a walk in the garden, relatively quiet environment for 4 hours, feel different sounds, try to listen to birds, leaves swing, wind blowing and so on;

In the third week, try to go to less noisy public places (streets with few vehicles), or talk to unfamiliar people, don't worry, can be heard by increasing the volume, the important thing is exercise and familiarity;

The fourth week, if the previous exercise and adaptation is relatively smooth, you can rest assured to use, remember to check the store and debug the new parameters (because the initial debugging is to make you adapt). Watching TV, answering the phone and so on need longer exercise, normal listening people will not hear a lot of lines and words.

After the adaptation period, in addition to sleep, exercise, bath, and cleaning and maintenance time, encourage more hearing aids.

VIII . Other considerations

◆Professional examination and hearing test should be carried out before hearing aids are tested and used under the guidance of a doctor or a professional hearing aid teacher.

◆ Moisture-proof, shockproof, high temperature.

◆ Do not immerse the hearing aid in any liquid. Remove the hearing aid before swimming and washing. After swimming or washing, wait until the ear canal is dry before wearing the hearing aid.

◆After removing the hearing aid in the evening, it should be placed in a box containing desiccant to avoid light, high temperature, high humidity and collision.

◆Keep the external surface of the hearing aid clean and often clean the earwax in the earplugs.

◆ The function and volume control switch should be used correctly, so as to avoid excessive force and excessive force.

◆ Do not use this product for any purpose other than the instructions in this manual.

◆ Do not use any accessories or components produced by other manufacturers or specially recommended by AI. If such parts or accessories are used, your warranty will expire.

◆ If this product is used by people with unsound limbs, mental disorders or lack of relevant experience and knowledge, they need to be supervised or directed by people responsible for their safety.

◆ Failure hearing aids must be repaired by qualified professional maintenance personnel, do not disassemble, unauthorized processing, otherwise the warranty is invalid. If there is a problem with hearing aids, please contact the matchmaker or manufacturer. Regular maintenance of hearing aids by the tester can reduce the amount of hearing aids repair.

◆ For hearing aids with a maximum output of more than 132 dB SPL, high intensity

◆ Hearing aids should be regularly sent to the testing center for maintenance and inspection to ensure that the hearing aids are in good condition.

sound output signals may cause residual hearing damage. Please use them carefully or adjust the volume at the advice of the matchmaker.

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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.

IX . Remarks

List of accessories	Replacement cycle	Replacement methods
Battery	Usually a battery is used for about a week	Refer to Operation Guide 4 to replace batteries
Earplugs	About a year	Please refer to Operation Guide 1
Small brush	5 years	

Description of symbols in labels

Waterproof: hearing aids are sensitive electronic devices, please pay attention to waterproof, moisture-proof.

Classification of types of electric shock: type B.

Environmental protection: hearing aid battery is a disposable zinc empty battery, after use, please pay attention to environmental protection.

X . Working, Storage and Transport Conditions

Normal working conditions:

Temperature :-20℃-40℃ Humidity :30%-90%

Atmospheric pressure :86-106 Kpa Battery voltage: 1.4V

Environmental conditions for transport and storage:

Transport conditions: shockproof, anti-fall, moisture-proof storage conditions: dry, clean, normal temperature

Temperature :0℃-38℃; Humidity :<80%; Atmospheric pressure :86-106 Kpa

XI． Technical parameters Product performance parameters

Product model	Product performance parameters	
	High frequency mean saturated sound pressure level	High frequency average full gain
Leya-W-RIC-M	105	40
Celesto-W-RIC-M	105	40
TW-RIC-M	105	40
W-RIC-M	105	40

XII． Maintenance

When your hearing aid fails, please refer to the method described in this manual. If the failure still exists, please send the warranty card and hearing aid together to the Echo Maintenance Center. When mailing, please describe the failure of the hearing aid in as much detail as possible, and indicate your detailed address and / or contact number, so that we can better contact you and provide you with services.

Hearing aids are fragile electronic products. Please pack them properly during mailing. If necessary, please ask the post office to pack them. The following is the Acoustic Maintenance Service Centre:

Address: Room 401, No.2 Building， No.1390 Cangxing Street, Yuhang , Hangzhou , Zhejiang ， China

Post Code:310013 Tel :0571-81020562 National Free Service Hotline :4008-622282

XIII． Disclaimer

As the product is not updated and upgraded, the design specifications are subject to change without prior notice; all information has been carefully checked, if there are any printing errors and omissions, the company does not bear the consequences; Printing may be a slight difference between the product and the object.

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