

וְעִיר וְעִיר

BTE-Dion
User guide



וְעִיר וְעִיר
Hear the love

Please read this manual carefully before use and keep it for future use

Welcome page

Thank you for choosing Shenzhen Zhiting Technology Co., Ltd to develop the back-of-ear hearing aid — Dion.

 Please read the User Guide carefully to ensure that you understand and get the best out of hearing aids to avoid damage to your hearing aid due to improper operation. From now on, we will be deeply concerned about your hearing condition, you will enjoy the wonderful experience of a hearing aid brought to you, letting you hear every character, with real ears.

This User Guide applies to: Dion series hearing aids.

Suggestions:

A favourable audiologist is an essential part of a healthy life. When hearing loss occurs, you need to go to a special testing center or hospital for a hearing test and evaluation. If necessary, please share your expectations with the surveyor or doctor.

Consistent and scientific use of hearing aids will help you to listen better.

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About Hearing aids

Hearing aid models

Dion

Battery Size

P13

Charging

Allow

NOT Allow

Serial number (left side): _____

Serial number (right side): _____

Warranty period: _____

Purchase date: _____

Cautions

- ⚠ Certain users should only use their hearing aids and not others.
- ⚠ Hearing aid earplugs can be cleaned daily with a soft dry cloth to remove cerumen, if necessary, they can be removed, sterilized with alcohol, and then put back into hearing aids until the alcohol is completely volatile.
- ⚠ Exposure to high temperatures, strong humidity, high magnetic fields(0.1t), X-rays, CT scans, and mechanical stress can damage your hearing aid, So Please do not wear hearing aids in these places; If the device is disturbed, please stop using it immediately. But for low-radiation areas such as alarms, radio equipment, mobile phones , it generally does not affect hearing aids. Still, it does not rule out affecting the sound quality or interference of hearing aids.

⚠ Hearing aids should be tested before professional examination and hearing test, and under the guidance of a doctor or a professional hearing aid tester. Hearing aids do not cure hearing loss, or prevent or improve hearing loss caused by organic lesions. Please follow the instructions of your doctor or hearing health care professional to use hearing aids. Do not take it privately if any parts are left in the ear canal after removing the hearing aid. To avoid ear canal injury, allergy or cerumen embolism, seek medical attention immediately to prevent ear canal injury, allergy or cerumen embolism, seek medical attention immediately.

Custom hearing aids should be cleaned at least twice a week, and for oily ears should be once a day. Wipe the hearing aid clean with a cotton ball or soft cotton paper, and then use a matching soft brush to remove earwax or other blockage from acoustic holes or cerumen baffle. Wipe the hearing aid clean with a cotton ball or soft cotton paper, and then use a matching soft brush to remove earwax or

 Be especially careful when wearing custom hearing aids with an output greater than 132 decibels, as high-intensity sound output signals may cause residual hearing damage. Please ask hearing healthcare professionals to advise the use of hearing aids or carefully adjust the volume to ensure that the hearing aids maximize the hearing loss appropriate for your specific situation.

Your hearing aid is suitable for operation in the frequency range of 2.4 to 2.8GHz. Disable the wireless function of your hearing aid when flying.

 Do not use hearing aids in mines, oil fields or explosive environments.

 The function and volume control switch should be used correctly, and the lights should be turn on and off as much as possible to avoid excessive force.

⚠ Precautions for the use of hearing aid batteries:

1. Do not throw the battery into the fire to avoid explosion;
2. Do not put the battery in your mouth. Swallowing the battery could endanger your life. If you swallow the battery, seek medical attention immediately.
3. Children and people with intellectual disabilities should keep away from batteries.
4. Do not discard the used battery at will. Please hand it to the department specialized in recycling used batteries.
5. When you do not use a hearing aid for a long time, please remove the battery to prevent batteries. When not using a hearing aid, please turn it off when not using a hearing aid to save battery power
6. Hearing aids should not be discarded at the end of their lives to avoid ecological pollution, they should dispose of electronic devices professionally following relevant regulations to avoid environmental damage.

- ⚠ Hearing aids should be kept clean and wax removed from earplugs frequently
- ⚠ Hearing aids should be regularly sent to the testing center for maintenance and inspection, to ensure that the hearing aid is in good condition.
- ⚠ Use earplugs with caution if the patient has a perforated eardrum, exposed middle ear cavity, or has had ear canal surgery. Hearing aids are not suitable for patients with acute external auditory canal, otitis, chronic suppurative otitis media, acute suppurative otitis media, and those allergic to this material.
- ⚠ Special reminder for children with hearing loss: hearing loss can cause problems in children's language development and educational and social growth.

- ⚠ To avoid drool, please handle your hearing aid with care and prevent it from falling on the parrot to avoid strong impact or impact on the hearing aid. Hearing aids are composed of sophisticated acoustic components; especially the receiver is easily damaged by vibration, which will shorten the service life of the original according to the damage, and severe vibration will cause damage to the hearing aid.
- ⚠ Hearing aids are strictly prohibited from entering the water. Do not immerse the hearing aid in any liquid. It would be best to take off the hearing aids when swimming, bathing and washing hair. After swimming or taking a shower, wait until the ear canal is dry before wearing a hearing aid. Whenever the hearing aid is removed, it should be placed in a desiccant box, away from light, high temperature and high humidity environment, to avoid collision.

Descriptions

Device model: Dion

Product Component Description for Dion

- ① Earplug
- ② Tube
- ③ Microphone
- ④ Multi-function button
- ⑤ Battery door
- ⑥ Speaker dummy

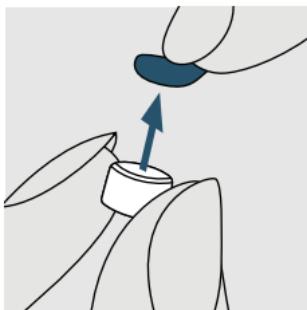


Using guide

Before using:

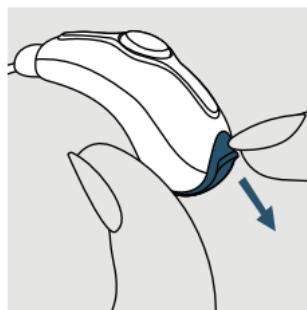
Please open the battery compartment and check whether the serial number on the battery compartment matches the outer packing box

Step 1: Put in the battery



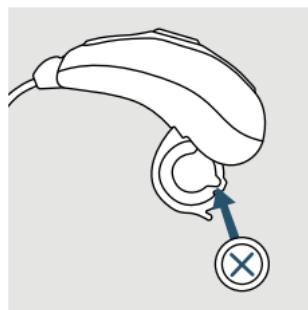
1

Remove the sticky paper from the new battery and wait 1 minute until the battery is fully activated;



2

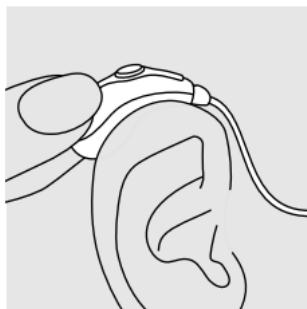
Open the battery door



3

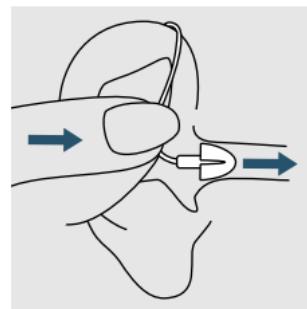
Place the battery's positive electrode (+), face-up, into the battery compartment.

Step 2: Wearing hearing aid



1

Hang the hearing aid behind your ear

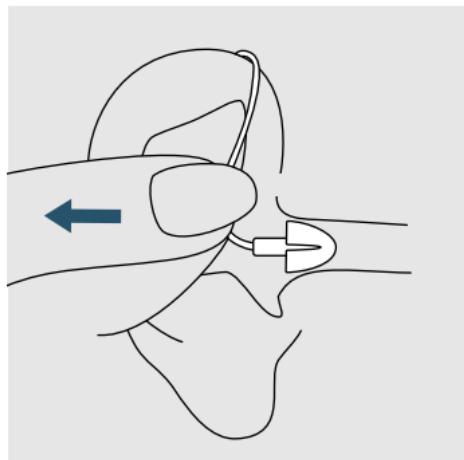


2

Put the earplugs into the ear canal

Step 3 Removing hearing aid

Grasp the hearing aid tube and carefully remove the hearing aid from the ear.



Care and maintenance

If a hearing aid has a buildup of earwax, dirt, and bacteria; it can lead to ear infections; dirt, earwax plugs the hearing aid holes, and the hearing aid is silent, so please do the followings:

1. Do not wear hearing aids when spraying hairspray, to avoid stuffing into the sound hole;
2. Do not bring hearing AIDS into the therapy room if you do micro-wave therapy in the hospital;
3. Sweat should be prevented from entering the hearing aid in summer
4. Do not push sharp objects into sound holes or sound holes
5. Do not wash the hearing aid with water or other solvents that may cause danger

6. Hearing aids must be kept dry, especially in the season of rain and humidity, to avoid the rain.
7. Hearing aids are kept in an airtight desiccant container to prevent moisture absorption. The desiccant will have Arthur changes, and it needs to be used after drying or replaced in time.

Troubleshooting

Problem	Causes	What to do
NO SOUND	Not boot(after close battery door)	Install sufficient batteries and fill the battery compartment
	Low battery	Install sufficient batteries and fill the battery compartment
	The battery door is not fully closed	Completely close the battery door
	Speaker blockage	Cleaning speaker
LOW VOICE	Improper wearing of earplugs	Wearing earplugs correctly
	The ear fill dirty	Clean ear plugs
	Speaker dirty	Clean speaker
	Too many cerumen in ear canal	Clean ear canal and seek medical advice if necessary
	The volume is too low	Increase the volume or consult a dispenser

Problem	Causes	What to do
SQUEAL	Improper wearing of earplugs	Wearing correctly
	Too many cerumen in ear canal	Clean ear canal and seek medical advice if necessary
	Improper setting of hearing aids	Reset according to the manual prompts
DISTORTION OF SOUND	Low battery	Inst all sufficient batteries and fill the battery compartment
	Wearing wrong earplugs	Replace earplugs
	Improper setting of hearing aids	Reset according to the manual prompts
	Hearing aid failure	Find the purchase platform and apply for after-sales service

Service and Warranty

Local warranty

Please check the hearing care professional from which you purchased your hearing aids for the local warranty terms

International warranty

TUITUI hearing aid offers a one-year limited international warranty, effective from the date of purchase. This limited warranty covers manufacturing and material defects in the hearing aid itself, but excludes accessories such as batteries, tubes, earpieces, external receivers. Warranty is valid on presentation of proof of purchase. The international warranty does not affect any legal rights that you might have under applicable national legislation on the sale of consumer goods.

Warranty limitation

This warranty does not cover damage from improper handling or care, exposure to chemicals or undue stress. Damage caused by third parties or non-authorized service centers renders the warranty null and void. This warranty does not include any services performed by a hearing care professional in their office.

Compliance information

Product structure and composition:

The rechargeable behind-the-ear hearing aid consists of a shell, a microphone, a signal processor, a receiver and an earplug.

Operating principle:

Hearing aids are essentially sound amplifiers; the sound is amplified in some way, and it is some way that people with hearing loss can effectively use themselves to participate in the hearing.

The microphone receives the external sound of the hearing aid, and the analog-to-digital (ADC) converter converts it into a digital signal. The multi-channel digital signal processor(DSP) processes the digital input signal and outputs a direct digital drive (DDD), which drives the receiver sound. Through the programming interface, use

the special testing and debugging software, to set according to the user's empathy for the hearing aid, save the setting value in the memory, and save some parameters and program segments that control the working mode of the DSO.

Product intended use:

After the test, it is provided to the patients with hearing loss compensation.

Contraindication:

Dion series products are not recommended for people with acute otitis externa, tympanitis, chronic suppurative otitis media, and acute suppurative otitis media.

Voltage range:

DC 1.4 V (+0.1/ -0.1 V)

Electromagnetic compatibility Specification:

In accordance with GB/T 25102.13-2010 "electroacoustic hearing aids - Part 13: Electromagnetic Compatibility (EMC)" adjacent compatibility requirements.

	Neighbor comp atibility At the following field strength,IRIL=55dB The field strength is expressed in terms of V/m(*)	
GHz	0.8~0.96	1.4~2.0
Microphone mode	3V/m	2V/m

*Note: The test field strengths given are unmodulated carrier values.

Transportation and storage:

Ambient temperature range: -10°C~40°C

Relative temperature range: ≤80%

Atmospheric pressure: 86kPa ~ 106kPa

Normal operating conditions:

Environment temperature:-10°C~40°C

Relative humidity: ≤80%

Atmospheric pressure: 86kPa ~ 106kPa

A special note on howlers:

One of the most common problems that new users of hearing aids encounter for the first time is "squealing", which is, hearing aids emit loud noises, especially when the volume is turned on higher, The noise comes from the earplugs that are not completely plugged, and the ear canal cannot be closed. The hearing aid amplifies the Leakage sound, which is then amplified by the hearing aid to generate noise.

Technical description:

1. Classification of hearing aids:

- a) According to the type of shock: Internal power equipment;
- b) According to the degree of shock: Type B application equipment;
- c) According to the degree of protection of harmful liquid: IPX0, conventional device ;

- d) According to the degree of safety in the presence of flammable anesthetic gas mixed with air or with oxygen or nitrogen oxide:
Equipment not to be used in the presence of a flammable mixture of anesthetic gas and air or a mixture of oxygen or nitrogen oxide
- e) According to the operation mode: continuous operation

2. External link device

If the mains power the external equipment connected to the product, it must comply with GB9706.1-2007 or equivalent safety standards.

Technical specification:

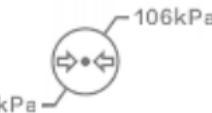
Model	OSPL ₉₀		Full range sound gain (mean at high frequency)	Equivalent input noise (dB)	Total harmonic distortion			Frequency response range (Hz)
	Maximum saturated sound pressure level (dB)	High frequency mean (dB)			500Hz	800Hz	1600Hz	
Dion	≤125±3	122±4	≤57±5	≤23±3	≤4+3	≤4+3	≤4+3	Floor level ≤200 Upper limit ≥6200

Software Version Description:

Model	Software version number	Software Release
Dion	4.2.0	4

Information and description of symbols

	<p>This symbol indicates that it is important for the user to read and consider the relevant information in this user guide.</p>
	<p>This symbol indicates that it is important for the user to pay attention to the relevant warning notices in these user guides.</p>
	<p>The symbol with the crossed-out garbage bin is to remind you that this CROS device and the charger may not be disposed of as regular household waste.</p>
	<p>Temperature during transportation and storage: -20° to $+60^{\circ}$ Celsius (-10° to $+40^{\circ}$ centigrade).</p>

	<p>Humidity during transportation: Up to 80% (non condensing).Humidity during storage: 0% to 80%, if not in use.</p>
	<p>Atmospheric pressure during transportation and storage: 86kPa to 106kPa</p>
	<p>Keep dry during transport.</p>
	<p>This symbol indicates that the products described in these user instructions comply with the requirements of the Category B application part of EN 60601-1. Hearing aid surfaces are designated as Class B Applied Parts.</p>

Packing list

Title	Amount
Hearing aid	1
User guide	1
Certification	1
Warranty card	1
Earplug	2

Contents

Name of registrant/manufacturer:

Shenzhen Zhiting Technology Co., Ltd

Domicile of registered person/manufacturer:

516, Building 4, Qidi Xiexin Science Park, Longcheng Street,
Longgang District, Shenzhen, Guangdong, China

Contact information of the registrant/manufacturer:

E-mail: sz@eartech.cn

Service life: 5 years

Date of manufacture: See the certificate of approval

Compilation/Revision date: 03/08/2022

Hear the love

Shenzhen Zhiting Technology Co., Ltd
Shenzhen, Guangdong, China

FCC Statement:

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 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 correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into and 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 party responsible for compliance could void your authority to operate the equipment.

