EARMOR®

XDZ-H20T In-ear Bluetooth Audiphone
User manual

XDZ-H20T

In-ear Bluetooth Audiphone

This product complies
with user compatibility standards

INTRODUCTION

EARMOR® XDZ-H20T Bluetooth Audiphone use in-ear hearing aids design, which can obviously Amplifies ambient sound, allowing users to improve the perception of the outside world. With the Bluetooth connection function, you can connect devices in a noisecancelling state, freely listen to music, answer calls or reject calls, enhancing the diversity of communication and entertainment. The headset can last 8 hours when fully charged, and has a voice prompt function for instant confirmation of low battery or any operating situation. Compared with all kinds of traditional sound pickup and noise reduction headphones, the product is smaller in size, lighter in weight, and integrates protective gear compatibility, portability and comfort.

1.PRODUCT

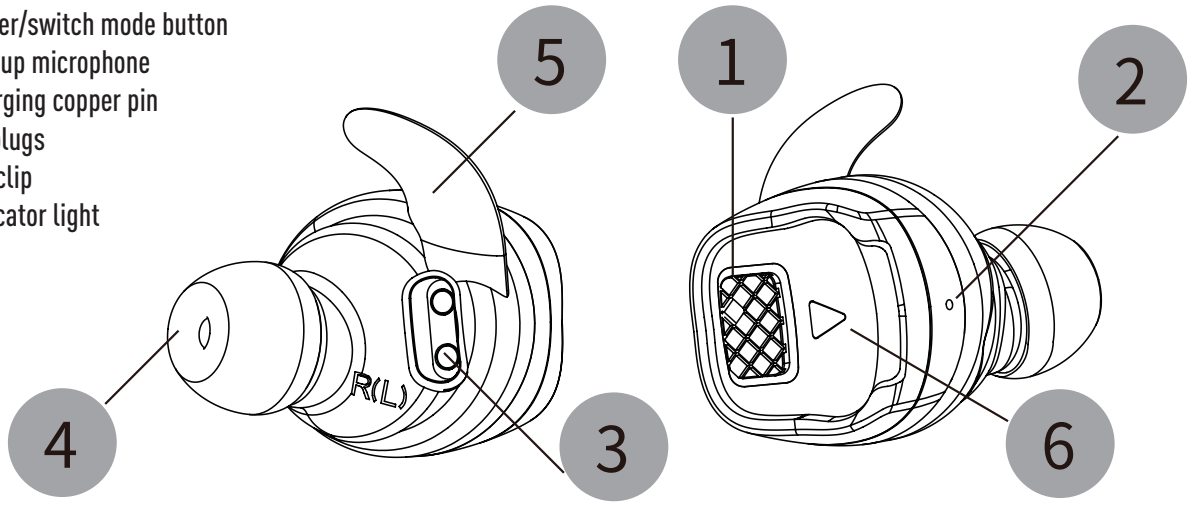
Item： In-ear Bluetooth Audiphone

2.ACCESSORIES INCLUDED IN THE PACKAGE

XDZ-H20T In-ear Bluetooth Audiphone Package includes earbuds, charging case, battery and main unit

NAME OF MAIN PARTS（IN-EAR BLUETOOTH AUDIPHONE)

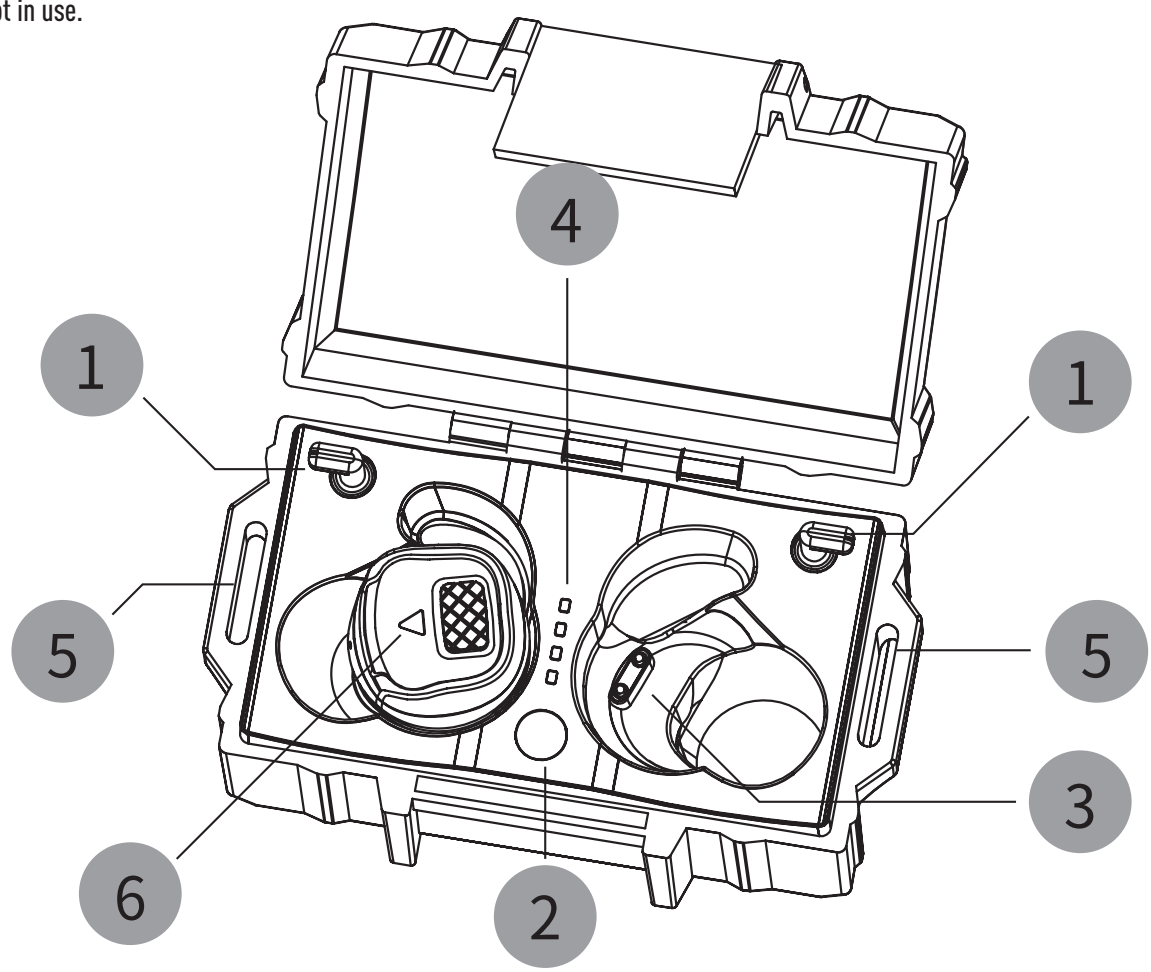
1. Power/switch mode button
2. Pickup microphone
3. Charging copper pin
4. Earplugs
5. Ear clip
6. Indicator light



NAME OF THE RECHARGING BOX PARTS

1. Anti-lost rope fixing post　2. Power button　3. Charging copper pin　4. Battery indicator　5. Hook hole
6. Audiphone Indicator（The red light is the charging state; the 6.red and blue lights flash alternately for the power-on state）

*The fixed columns on both sides of the charging box can be rotated 360°, and the anti-lost rope can be wrapped and stored here when not in use.



3. WORKING PRINCIPLE

The sound sensor converts the sound information into an electrical signal, which is processed by the analog chip and transmitted to the receiver through the sound guide tube for output. The signal processing adopts the principle of analog signal amplification.

4.SCOPE OF APPLICATION

After testing and inspection, it can be used to compensate hearing loss for patients with air conduction hearing loss.

Model	XDZ-H20T
Maximum OSPL90	⩽ 115dB+3dB
high frequency average OSPL90	⩽ 105dB±4dB
full sound gain	15±5dB
Equivalent Input Noise Level	⩽ 29+3dB
total harmonic distortion	⩽ 3%
Frequency response range (not narrower than)	200Hz-5000Hz
Rated power supply current consumption	⩽ 14mA
Rated voltage	d.c.3.7V

Model specification parameter table

Note: The above parameter index inspection equipment is AWA6128AH Hearing aid tester
Standard: IEC60118-7 2005； by using 2CC coupled cavity HA-1

Model	Recharging box
Working current	⩽ 140mA
d.c.3.7V	d.c.3.7V
Charging box input voltage	d.c.5V
Hearing aid charging curren	⩽ 140mA
Audiphone charging voltage	d.c.5V

Recharging box model parameter table

5.PRODUCT PERFORMANCE

1. Appearance and Structure
   1.1 All parts should be fully assembled and fixed reliably.
   1.2 Text, symbols or marks should be clear, correct and firm.
   1.3 The surface should be free of burrs; burrs, dents, scratches and other defects.
   1.4 The connection of each component should be reliable and effective.
   1.5 The operation of each adjustment button, switch, and other mechanisms should be flexible and effective.

2. Electroacoustic performance
   Meet the requirements of the model specification parameter table

3. Electroacoustic performance after environmental test
   Meet the requirements of the model specification parameter table

4. Electromagnetic Compatibility
   a) Should meet GB/T 25102.13-2010 "Electroacoustic Hearing Aids Part 13: Electromagnetic Compatibility (EMC)" requirements of capacitive regulations
   b) Should meet YY 0505-2012 "Medical Electrical Equipment Part 1-2: General Requirements for Safety Collateral Standard: Electromagnetic Compatibility Required Summation Test".

5. Environmental test requirements
   The environmental test of hearing aids shall comply with the provisions in 4.4 and Tables 2.1 and 2.2 of GB/T 14199-2010. The transport test shall comply with The provisions of Chapter 4 in GB/T 14710-2009.

6. safety requirements
   It should comply with the provisions of GB9706.1-2007 "Medical Electrical Equipment Part 1: General Requirements for Safety".

6.CONTRAINDICATIONS

1) Congenital atresia or deformity of the external auditory canal, a large number of foreign bodies in the external auditory canal;
2) Deafness status is uncertain, and the degree of hearing loss often fluctuates;
3) The main complaints are those with obvious symptoms such as headache, dizziness, earache, tinnitus, etc.;
4) Sudden deafness in the past 3 months; progressive rapid deafness; obvious unilateral deafness or other acute ear diseases
5) Middle ear fluid and often pus;
6) Central deafness; non-organic deafness;
7) Patients with acute otitis externa and tympanitis;
8) Patients with acute and chronic suppurative otitis media (in the period of purulent infection);
9) Those who are allergic to the material of this product

7. PRECAUTIONS, WARNINGS AND TIPS

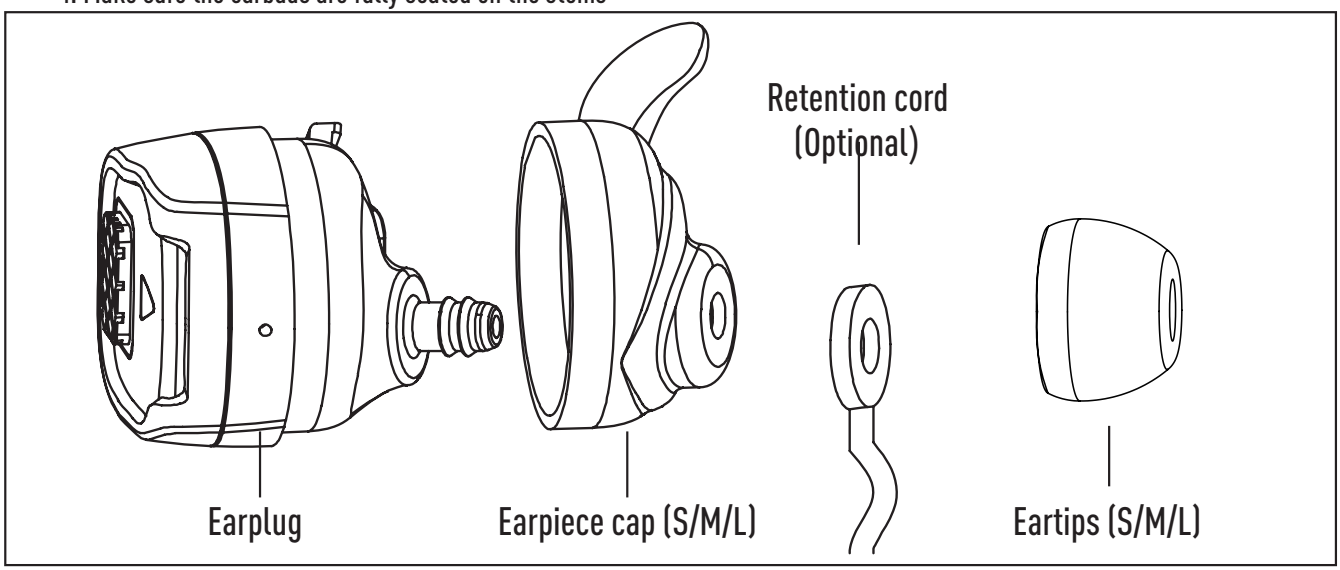
1. Before fitting a audiphone, it should undergo a professional inspection and hearing test, and use it under the guidance of a doctor or a professional audiphone dispenser.
2. Pay attention to the moisture-proof, fog-proof and high-temperature proof of the product.
3. Do not let the audiphone immerse in any liquid. Remove the audiphone before swimming or washing your hair and bathing; after swimming or washing, wait
Put on audiphone after the ear canal is dry.
4. After removing the audiphone at night, it should be placed in a box with desiccant, protected from light, high temperature, high temperature environment, and avoid touching.
5. The outer surface of the audiphone should be kept clean, and the earwax in the earplug should be cleaned frequently.
6. The function and volume control switch should be used correctly, try to turn on and off lightly, and avoid excessive force and excessive force.
7. Audiphone should be regularly sent to the fitting center for maintenance and inspection to ensure that the audiphone are in good condition.
8. If you feel uncomfortable in your ears during use, please stop using it immediately.
9. Please do not put the audiphone where the baby can reach. If swallowed, please seek medical attention immediately.
10. Applicable objects: It is suitable for people with air conduction hearing loss of about 30-50DB.
11. Please use the audiphone with the audiphone charging box.
12. When not using audiphone, please charge the product regularly to avoid battery damage; the recommended charging interval for audiphone is $\leqslant$ 28 days
The recommended charging interval for the audiphone charging case is $\leqslant$ 90 days.

8. INSTALLATION AND USE INSTRUCTIONS AND DIAGRAMS

a. Installation instructions for ear buckles, ear plugs, and anti-lost cord

Use only ear clips and ear tips designed for the XDZ-H20T. Do not insert the earphones directly into your ears without the XDZ-H20T's ear clips and earbuds installed.

1. Install the ear clip of the appropriate size on the earphone according to the corresponding direction (Note: When installing, make sure that the fixing hole in the ear clip The ear buckle fixing post of the machine fits perfectly)
2. To install the Anti-Lost Cord, attach one end of the Anti-Lost Cord to the earbud stem
3. Install the earbuds on the earbud stems
4. Make sure the earbuds are fully seated on the stems

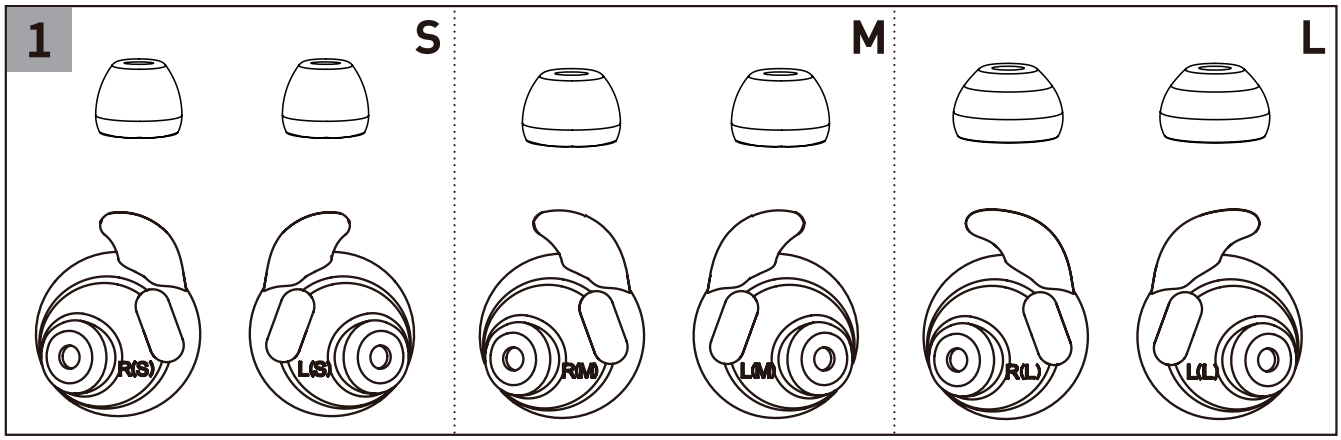


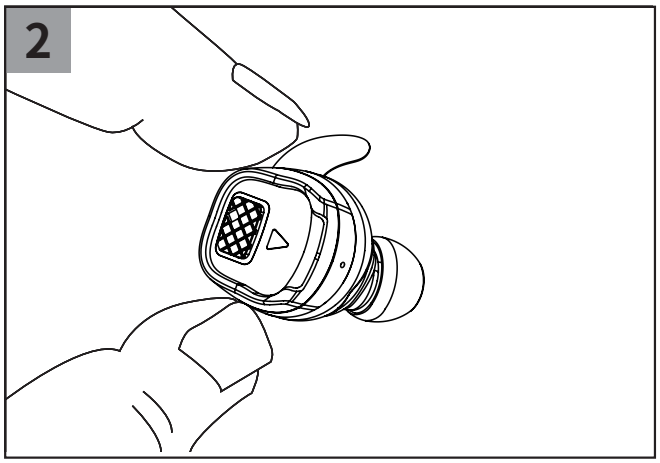
2. Instructions for wearing the headset

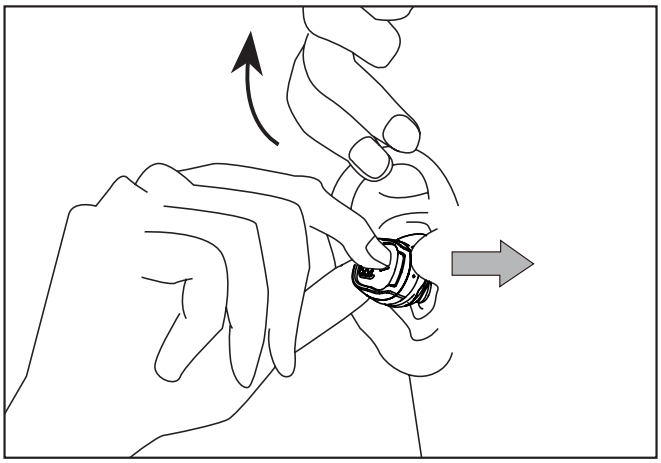
Turn off the power before wearing the headset. Earbuds should be clean and in good condition prior to installation.

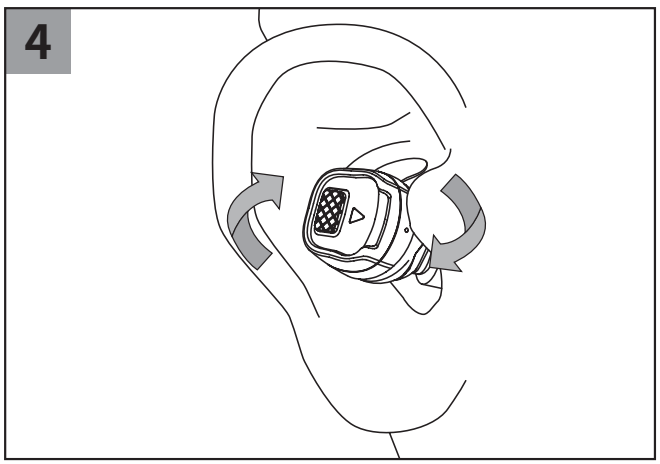
1. Choose the right ear tip size for your ear canal
2. Hold the XDZ-H20T with the earbuds attached
3. Insert the earbud into the ear canal while gently pulling up on the ear with the other hand
4. Rotate the headset towards the inside of the ear canal to ensure that the ear clip is fully seated in the ear socket
5. With the XDZ-H20T turned off, check to make sure the earbuds are the right size, and gently pull the earbuds to make sure they won't easily come out of your ears.

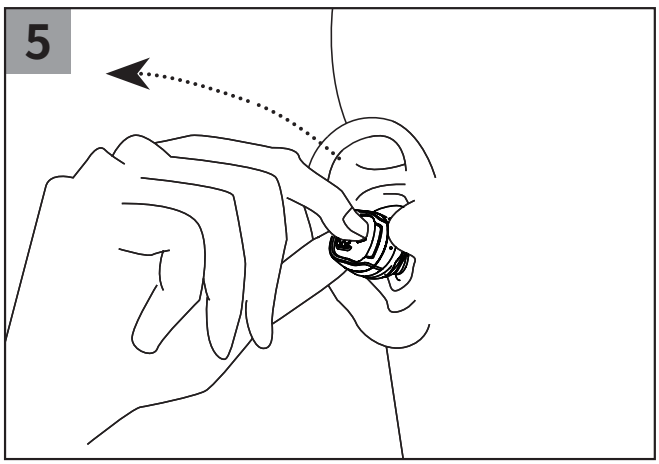
If it comes out easily, please repeat the above steps to wear.











3. Headphone Operation Instructions

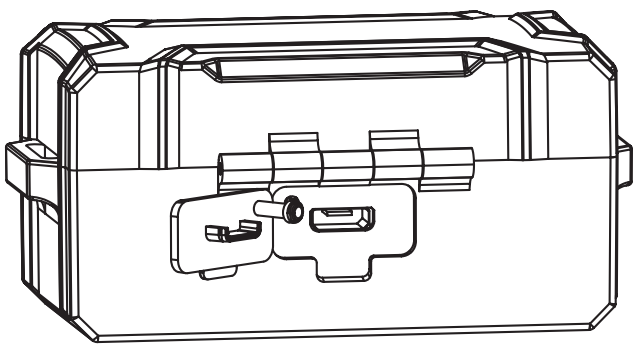
1. Power on from the warehouse: the headset will automatically turn on after taking it out
Manual power on: When the earphone is turned off to restart, you need to press and hold the button on the left and right ears for 3 seconds to power on each, and when you hear the prompt tone
Release the button when "power on", the headset is turned on and in outdoor mode.
2. Volume switch: click any button left or right to adjust the mode, the order is: large -- small -- mute -- large -- small.
3. Device pairing: Take out the headset and automatically turn it on, then enter the pairing mode (white and blue lights flash alternately), the pairing name
"XDZ-H20T", after the device selects the headset and the pairing is successful, the LED stops flashing, and the prompt sound "Connected" appears.
4. Listening to music: After the device is successfully connected, double-click any button left or right to play/pause the music.
5. Transparency mode: During music playback, you can click any button on the left or right to adjust the mode.
6. Call mode: click any button on the left or right to answer the call, double-click any button to hang up the call, and long press any button when an incoming call
key for 2 seconds to reject the call.
7. Shutdown when entering the warehouse: The headset will automatically shut down after being placed in the charging compartment
Manual shutdown: Press and hold the unilateral button for 3 seconds to synchronously shutdown, and a prompt sound "power off" will appear.
Automatic shutdown: no operation/use, it will automatically shutdown after two hours, and the prompt sound "power off" will appear.

FAULT SELF-CHECK

Items	Possible Causes	Solutions
No sound from audiphone	dead battery	recharge
	The sound outlet or microphone is blocked	Clean the sound outlet or microphone port
The sound is weak and blurry	low battery	recharge
	Volume setting is too low	Turn up the volume
	loose earbuds	Re-tighten audiphone

4. Instructions for charging operation

Place the audiphone into the charging box, use the Type-C data cable to connect the charging box to the power supply, and automatically charge when the circuit is connected.
The battery indicator also flashes.
If the battery indicator does not flicker, please check whether the charging box, data cable, and power supply are properly connected.
When charging is complete, the battery indicator light is always on.
NOTE: Make sure the charging contacts of the headset point down to make contact with the charging point in the socket.



Items	possible reason	Solutions
After the audiphone is connected, indicator light is off	Poor contact between the audiphone and the charging case	Reinsert the audiphone into the charging case
	Audiphone reversed	Check if audiphone are reversed
Light does not shine	Power is not plugged in	Connect the USB cable to charge

WARN

Do not disassemble, puncture, crush, heat or throw batteries into fire
Do not use after severe swelling or immersion in water

9. MAINTENANCE AND MAINTENANCE

1. Earplug cleaning and disinfection method: Take off the earplugs from the audiphone, rinse with water, or wipe with alcohol, and wait for the earplugs to dry
   After that, you can install it on the audiphone.
2. Cleaning method of the product: It can be wiped with a soft lint-free cloth or a sponge soaked with detergent. Do not pour liquids on the instrument during cleaning
   On the instrument, make sure that no liquid can enter the inside of the instrument. Be especially careful when wiping to make sure no water can get in.

10. STORAGE/TRANSPORTATION CONDITIONS AND METHODS

1. the normal use of environmental conditions
   a) Ambient temperature 0°C-40°C;
   b) Relative humidity: ≤ 80%
   c) Atmospheric pressure: 86kPa-106kPa;
2. The product should be stored in a cool and dry place, and the environment should meet the following conditions:
   a) Ambient temperature: -10°C -55°C
   b) Relative temperature: ≤ 90%
   c) Atmospheric pressure: 50kPa-150kPa;
3. Handle with care to avoid collision or strong impact on the product.

11. DISPOSAL OF WASTE AND RESIDUES

Please do not discard discarded earbuds, mainframes, and charging boxes at will. The disposal of wastes and residues should comply with the corresponding national laws and regulations.

12. PARTS LIST

- A pair of XDZ-H20T in-ear Bluetooth audiphone (with a pair of medium ear clips and a pair of medium ear tips)
- Portable lithium battery charging case *1
- Silicone anti-lost rope *1
- Charging cable *1
- A pair of small ear clips & earplugs
- A pair of large ear clips & earplugs
- Manual *1
- conformity label

ATTACHMENT: ELECTROMAGNETIC COMPATIBILITY INFORMATION

	Note, refer to accompanying documents		manufacturer
	Type B applied part equipment		up
	CE marked		protected from rain
	Production batch number		stacking layers
	Separate disposal of waste electrical and electronic equipment sign (please observe local laws and regulations)		

NOTICE:

1. In-the-ear audiphone shall comply with the requirements of YY0505-2012 and GB/T25102.13-2010 for neighbor compatibility;
Users should install and use according to the electromagnetic compatibility information provided in the random document;
2. Portable and mobile RF communication equipment may affect the performance of in-ear audiphone, avoid strong electromagnetic interference when using, such as close to mobile phones,
microwave oven, etc.;
3. The guidelines and manufacturer's declaration are detailed in the appendix.

WARNING:

1. The in-ear audiphone should not be used in close stacking with other devices. If it must be used in close stacking, it should be verified by
It can run normally under the configuration used;
2. With the exception of cables sold by manufacturers of in-the-ear audiphone as spare parts for internal components, the use of unspecified accessories and cables may
Causes an increase in emissions from in-ear audiphone or a decrease in noise immunity.

Attachment: Electromagnetic Compatibility Information		
In-the-ear audiphone are intended to be used in the electromagnetic environment specified below.		
launch test	compliance	Electromagnetic Environment - Guidelines
GB4824 RF emissions	Group 1	In-the-ear audiphone use RF energy only for their internal function. therefore,Its RF emissions are low and may not cause any interference to nearby equipment
GB4824 RF emissions	Class B	In-the-ear hearing aids are suitable for use in the home and in all installations directly connected to the residential public low-voltage supply network for domestic use.
Gb17625.1 Harmonic emission	Not applicable	
GB17625.2 voltage fluctuation/ flicker launch	Not applicable	

Guidelines and Manufacturer's Declaration - Electromagnetic Immunity			
In-the-ear audiphone are intended to be used in the electromagnetic environment specified below, and the purchaser or user of the in-the-ear audiphone should ensure that it is used in this electromagnetic environment:			
Immunity test	IEC60601 test level	match level	Electromagnetic Environment - Guidelines
Electrostatic discharge (ESD) GB/T17626.2	±6kv contact discharge ±1kv air discharge	±6kV contact discharge ±6Kv air discharge	Floors should be wood, concrete or tile, and if floors are covered with synthetic materials, the relative humidity should be at least 30%
electrical fast transient burst GB/T 17626.4	±2kV to power line ±1Kv for input/output lines	Not applicable	Not applicable
surge GB/T17626.5	±1kV differential mode voltage ±2kV	Not applicable	Not applicable
Voltage dips, short interruptions, and voltage variations on power input lines GB/17626.11	<5% Ut for 0.5 weeks (>95% dip on Ut) 40% Ut for 5 weeks (60% dip on Ut) 70% Ut for 25 weeks (on Ut, 30 % dip) < 5% Ut for 5s (> 95% dip on Ut)	Not applicable	Not applicable
Power frequency magnetic field (50/60HZ) GB/T 17626.8	3A/m	3A/m	The power frequency magnetic field shall have the power frequency magnetic field level of a typical location in a typical commercial or hospital environment
Note: Ut refers to the AC mains voltage before applying the test voltage			

Guidelines and Manufacturer's Declaration - Electromagnetic Immunity			
In-the-ear audiphone are intended to be used in the electromagnetic environment specified below, and the purchaser or user of the in-the-ear audiphone should ensure that it is used in this electromagnetic environment:			
Immunity test	IEC60601 test level	match level	Electromagnetic Environment - Guidelines
RF conduction GB/T17626.6 RF radiation GB/T176263	3 Vrms 150 kHz to80MHz 3V/m 80 MHz to 2.5 GHz	Not applicable 3V/m 3V/m	Portable and mobile RF communications equipment should not be used closer to any part of the in-the-ear audiphone, including cables, than the recommended isolation distance. The distance should be determined by the public frequency corresponding to the frequency of the transmitter formula calculation. Recommended isolation distance d=1.2 $\sqrt{}$ P d=1.2 $\sqrt{}$ p 80MHzto 800MHz d=2.3VP800MHz to2.5GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters are determined by surveying the electromagnetic sitea and should be lower than the compliance level in each frequency rangeb. Interference may occur near equipment marked with the following symbols00
Note 1: At 80MHz and 800MHz, the formula for the higher frequency band applies. Note 2: These guidelines may not be suitable for all situations, electromagnetic propagation is affected by absorption and reflection from buildings, objects and people.			
a Field strengths of fixed transmitters, such as: base stations for wireless (cellular/cordless) telephones and land mobile radios, amateur radio, AM (amplitude modulation) and FM (frequency modulation) radio broadcasts, and television broadcasts, are not theoretically capable of Accurate prediction. To assess the electromagnetic environment of fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the in-ear audiphone is located is higher than the RF compliance level for the above application, the in-the-ear audiphone should be observed to verify proper operation. If abnormal performance is observed, supplementary measures may be necessary, such as reorienting or repositioning the intraocular audiphone. b In the whole frequency range of 150KHz~80MHz, the field strength should be lower than 3V/m.			

Recommended separation distances between portable and mobile RF communication equipment and in-the-ear audiphone			
In-the-ear audiphone are intended for use in electromagnetic environments where radiated RF disturbances are controlled. Buyers and users of in-the-ear audiphone can prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communication equipment (transmitters) and in-the-ear audiphone as recommended below, based on the maximum output power of the communication device.			
The rated maximum output power of the transmitter/w.	Corresponding to the isolation distance of different frequencies of the transmitter /m		
	150kHz~80MHz d=1.2VP	80MHz~800MHz d=1.2 $\sqrt{}$ p	800MHz~2.5GHz d=2.3 $\sqrt{}$ p
0.01	/	0.12	0.23
0.1	/	0.38	0.73
1	/	1.2	2.3
10	/	3.8	7.3
100	/	12	23
determined by the formula in the Transmitter Frequency column, where P is the transmitter's maximum power rating in watts (w) as provided by the transmitter manufacturer Note: At 80MHz and 800MHz, the formula for the higher frequency range is used. NOTE: These guidelines may not apply in all situations, electromagnetic propagation is affected by absorption and reflection from buildings, objects and people.			

The field strength of the RF test signal when the audiphone complies with the audiphone immunity specified in GB/T25102.13.					
	Neighbor Compatibility at IRIL ⩽ 55Db Frequency Range GHz Field Strength in V/m				
Frequency range GHz	0.08-0.8	0.8-0.96	0.96-1.4	1.4-2.0	2.0-3.0
Microphone mode	/	3	/	2	/

This manual is only suitable for rechargeable battery models
Electromagnetic compatibility: should meet the requirements specified in GB/T25102.13-2010.

【Product name】Bluetooth in-ear audiphone
【Product Model】XDZ-H20T
【Working power supply】
【Registration certificate number】
【Product technical requirement number】
【Production license number】
【Registrant / Manufacturer / After-sales / Brand Operation】

Guangzhou Actions Technology Co., Ltd.
Address : Room 601, Block A, No. 94, Liwan Road, Liwan District, Guangzhou City, Guangdong Province, China
Tel : +86 20 81179170 Fax : +86 20 81179171
Email : info@opsmen.com/cs@opsmen.com

MAINTENANCE SERVICE

The EARMOR XDZ-H20T Electronic Hearing Protection Earplug Kit can be repaired or replaced free of charge within one year from the date of purchase
Repairs and shipping charges for component failure are excluded.
This repair service does not apply to the following situations:

1. Vandalism, disassembly, modification of this product
2. Product damage caused by wrong operation

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

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

FCC ID: 2A4IK-H20T

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XDZ-H20T 耳内式蓝牙助听器
用户说明

XDZ-H20T

耳内式蓝牙助听器

本产品符合使用者兼容性标准

导读

EARMOR® XDZ-H20T 耳内式蓝牙助听器产品采用入耳式助听方式，能明显放大环境声音，让使用者提高外界的感知能力。拥有蓝牙连接功能，可在降噪状态下连接设备，自由收听音乐、接听电或拒接电话，提升通讯娱乐多样性。耳机满电状态下可续航 8 小时，拥有语音提示功能，低电量或任何操作情况下都能即时确认。对比各类传统的拾音降噪耳机，产品体积更小、重量更轻，综合护具兼容性、便携性、舒适性于一身。

一、产品

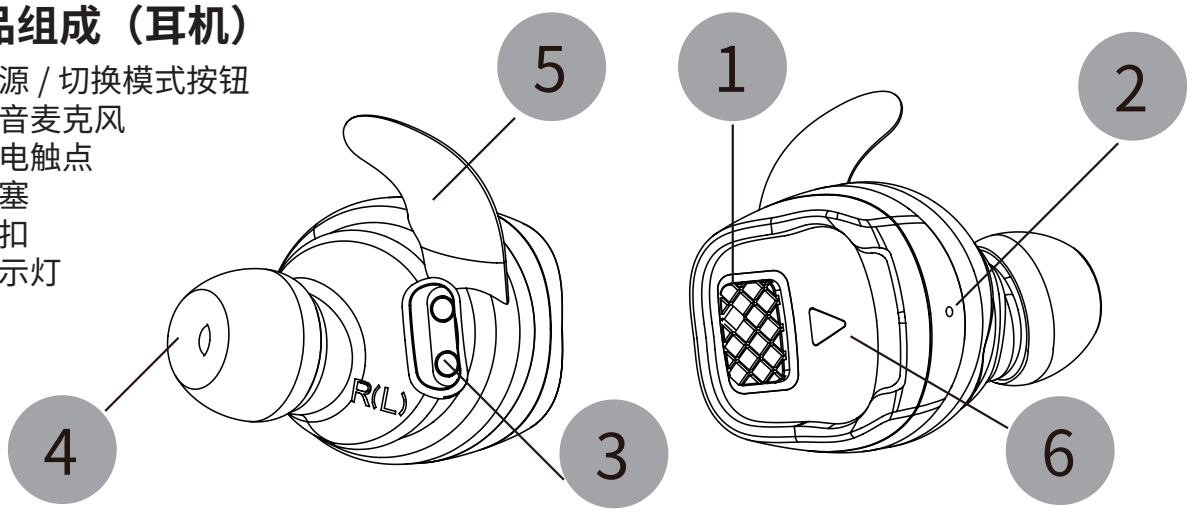
名称：耳内式蓝牙助听器

二、结构组成

XDZ-H20T 耳内式蓝牙助听器由耳塞、充电盒、电池和主机组成。

产品组成（耳机）

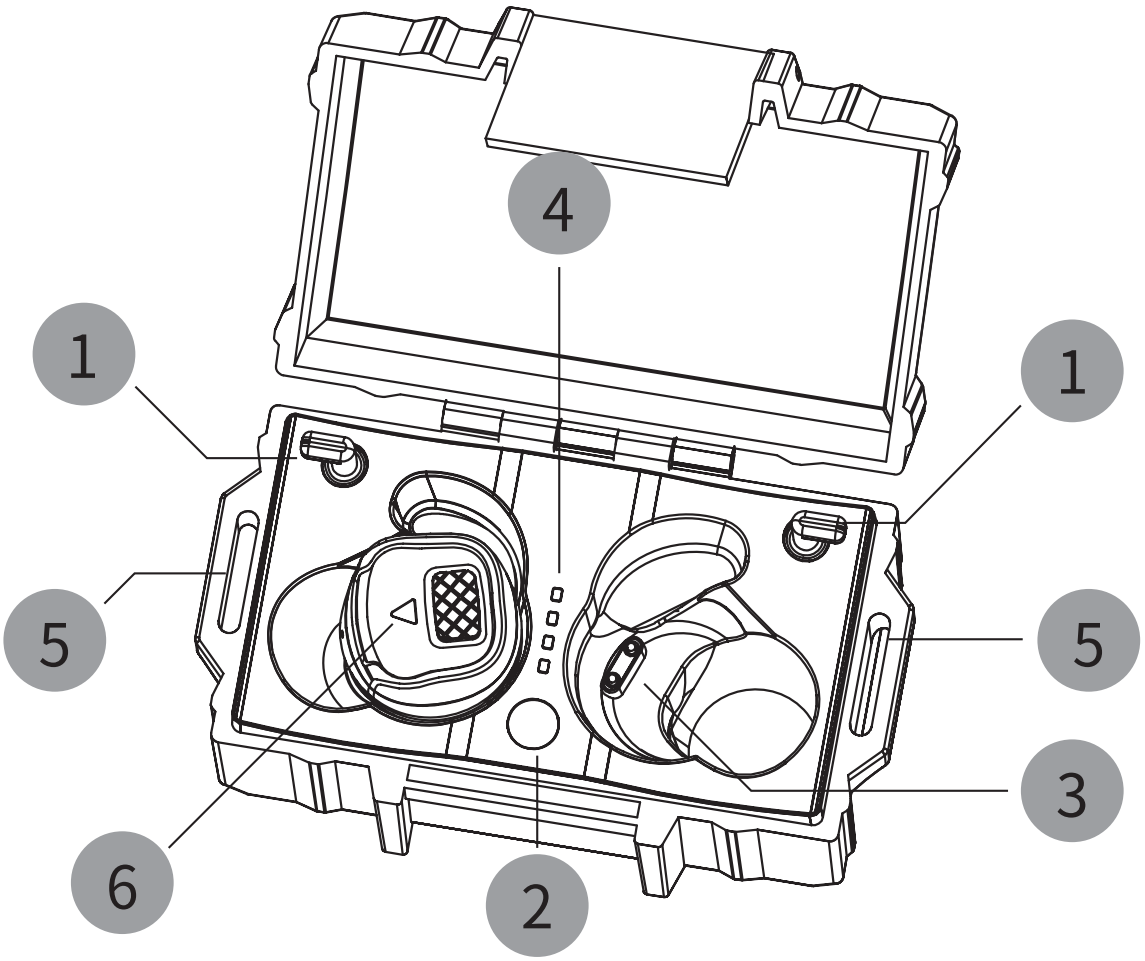
1. 电源 / 切换模式按钮
2. 拾音麦克风
3. 充电触点
4. 耳塞
5. 耳扣
6. 指示灯



产品组成（充电盒）

1. 防丢绳固定柱　2. 电量按钮　3. 充电触点　4. 电量指示灯　5. 挂扣孔
6. 耳机指示灯（红灯为充电状态；红蓝灯交替闪烁为开机状态）

* 充电盒内两侧的固定柱可 360°旋转，如防丢绳不使用时可缠绕收纳在此。



三、工作原理

声音传感器把声音信息转换电信号，经模拟芯片处理后传送到受话器通过导声管输出，信号处理采用模拟信号放大原理。

四、适用范围

经验配，供气导性听力损失患者补偿听力用。

型号规格	XDZ-H20T
最大 OSPL90	≤ 115dB+3dB
高频平均值 OSPL90	≤ 105dB±4dB
满档声增益	15±5dB
等效输入噪声级	≤ 29+3dB
总谐波失真	≤ 3%
频率响应范围（不窄于）	200Hz-5000Hz
额定电源 电流消耗	≤ 14mA
额定电压	d.c.3.7V

型号规格参数表

说明：以上参数指标检验设备为爱华 AWA6128AH 型助听器测试仪
检测标准 IEC60118-7 2005；采用 2CC 耦合腔 HA-1

型号	充电盒
工作电流	≤ 140mA
额定工作电压	d.c.3.7V
充电盒输入电压	d.c.5V
助听器充电电流	≤ 140mA
助听器充电电压	d.c.5V

助听器充电盒型号参数表

五、产品性能

1. 外观与结构
   1.1 各零部件应装配齐全，固定可靠。
   1.2 文字、符号或标记应清晰、正确、牢固。
   1.3 表面应无毛刺；飞边、凹陷，划痕等缺陷。
   1.4 各部件连接应可靠，有效。
   1.5 各调节钮、开关、等机构操作应灵活、有效。
2. 电声性能
   符合型号规格参数表要求
3. 环境试验后电声性能
   符合型号规格参数表要求
4. 电磁兼容
   a）应满足 GB/T 25102.13-2010《电声学 助听器 第 13 部：电磁兼容（EMC）》中临近者兼容性规定的要求
   b) 应满足 YY 0505-2012《医用电气设备 第 1-2 部分：安全通用要求 并列标准：电磁兼容 要求和试验》规定的要求。
5. 环境试验要求
   助听器的环境试验应符合 GB/T 14199-2010 中 4.4 和表 2.1 及 2.2 的规定。运输试验应符合 GB/T 14710-2009 中第 4 章的规定。
6. 安全要求
   应符合 GB9706.1-2007 《医用电气设备 第 1 部分：安全通用要求》的规定。

六、禁忌症

1）先听性耳闭锁或外耳道畸形，外耳道大量异物；
2）耳聋状况不确定，听力损失程度经常要波动的；
3）主要诉伴有头痛、头晕、耳痛、耳鸣等不适应症状明显者；
4）近 3 个月突发性耳聋；渐进性快速聋者；明显单侧聋或同时患有其它急性耳病者
5）中耳积液并经常流脓；
6）中枢性耳聋；非器质性聋；
7）急性外耳道炎、鼓膜炎患者；
8）急慢性化脓性中耳炎患者（处于流脓感染期）；
9）对本产品材料过敏患者

七、注意事项、警示及提示

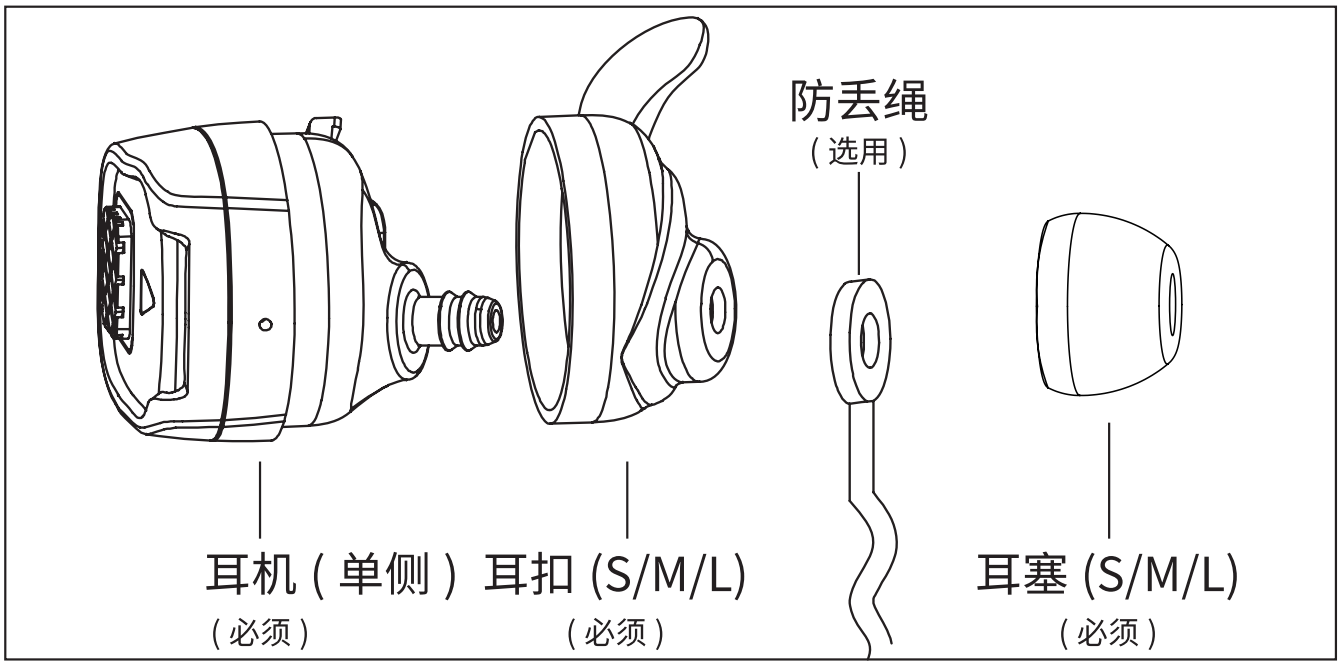
1、验配助听器前应经过专业的检查及听力测试，并在医生或助听器的专业验配师指导下使用。
2、注意产品的防潮、防雾、防高温。
3、切不要让助听器浸入任何液体中，在游泳和洗头洗澡前应取下助听器；游完泳或洗完后，要等耳道干燥后再戴上助听器。
4、晚上取下助听器后，应放在装有干燥剂的盒子里，避光，避高温、高温环境、避免摔碰。
5、应保持助听器外表面的情节，经常清理耳塞中的耳垢。
6、应正确运用功能及音量控制开关，尽量轻开轻关，避免用力过大、过猛。
7、助听器应定期送到验配中心保养、检查，以确保助听器处于良好状态。
8、使用期间如觉得耳朵不舒服，请立即停止使用。
9、请不要讲助听器放在婴儿能触及的地方，如不慎吞咽，请立即就医。
10、适用对象：适用于气导性听力损失约在 30-50DB 的人群使用。
11、请将助听器与助听器充电盒配套使用。
12、不使用助听器时，请定期给产品充电，避免电池损坏；助听器建议充电时间间隔≤ 28 天
助听器充电盒建议充电时间间隔≤ 90 天。

八、安装和使用说明及图示

1 耳扣、耳塞、防丢绳安装说明

仅使用专为 XDZ-H20T 设计的耳扣和耳塞。如没有安装 XDZ-H20T 的耳扣和耳塞，请勿将耳机直接插入耳中。

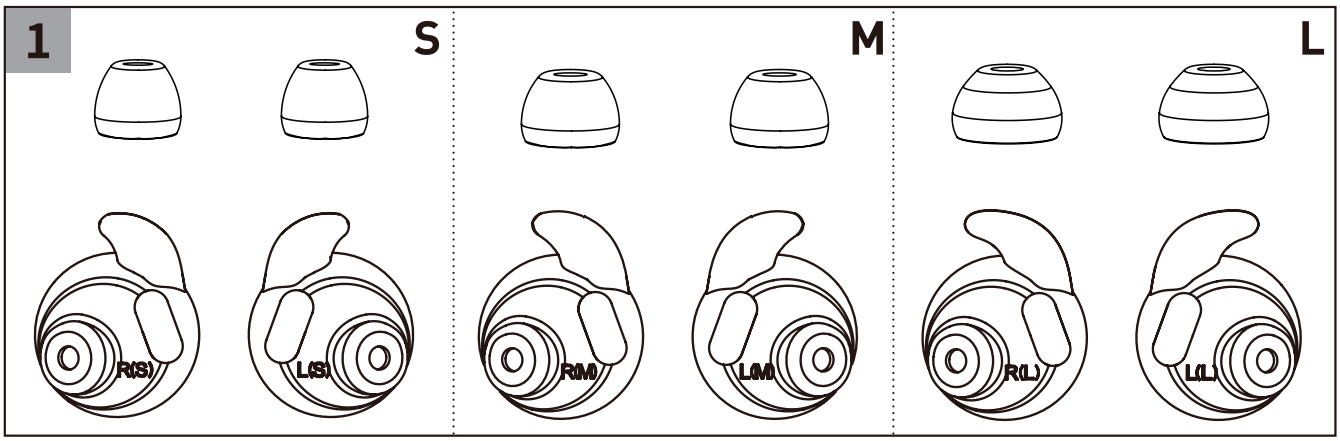
1. 按照对应方向将合适尺寸的耳扣安装在耳机上（注意：安装时确保耳扣配件内的固定孔与耳机的耳扣固定柱完全吻合）
2. 要安装防丢绳，请将防丢绳的一端固定在耳塞杆上
3. 将耳塞安装在耳塞杆上
4. 确保耳塞完全固定在耳塞杆上

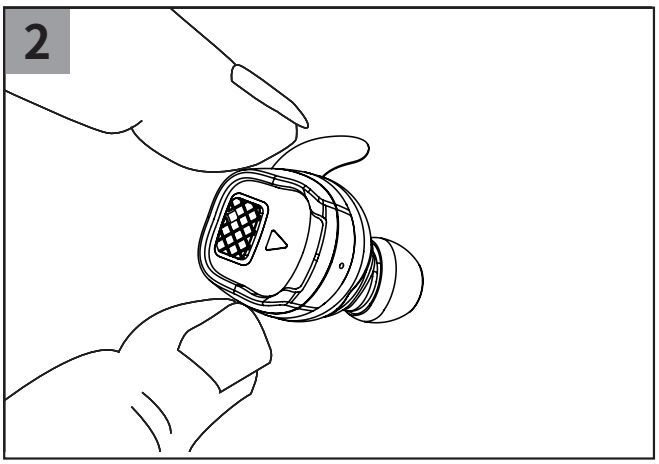


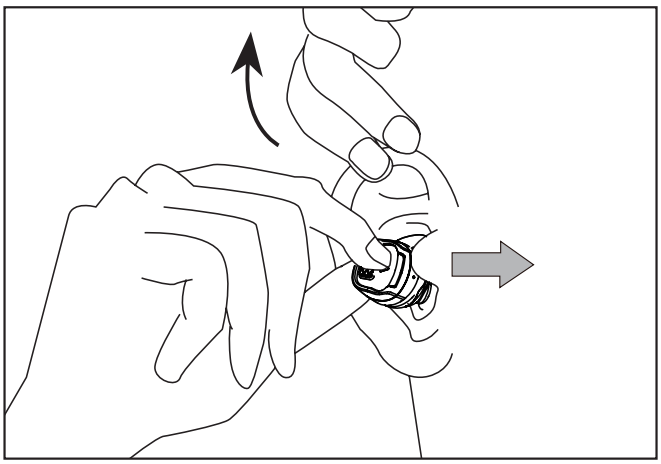
2 耳机佩戴说明

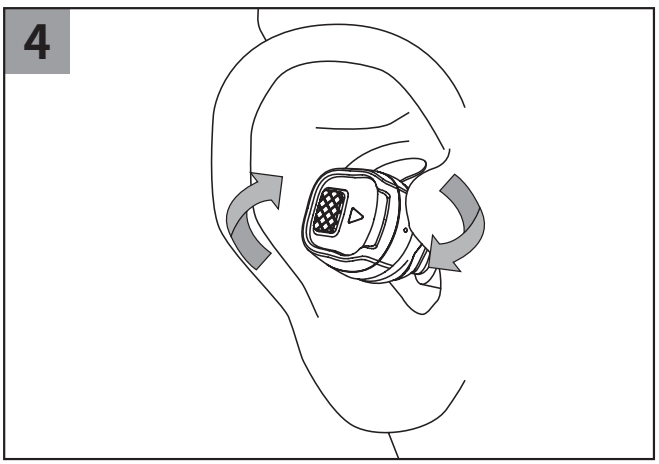
耳机佩戴前应先关闭电源。耳塞在安装前应保持干净且状态良好。

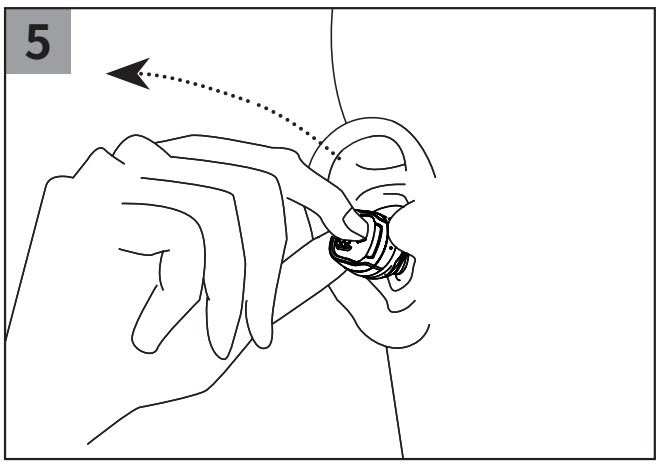
1. 为您的耳道选择合适的耳塞尺寸
2. 握住装有耳塞的 XDZ-H20T
3. 将耳塞插入耳道，同时用另一只手将耳朵向上轻轻拉扯
4. 往耳道内方向旋转耳机，确保耳扣完全固定在耳窝内
5. 在 XDZ-H20T 关机的情况下，检查以确保耳塞尺寸合适 , 轻轻拉动耳机，
   确保不会应轻易从耳中脱出。如轻易脱出，请重复以上步骤佩戴。











3 耳机操作说明

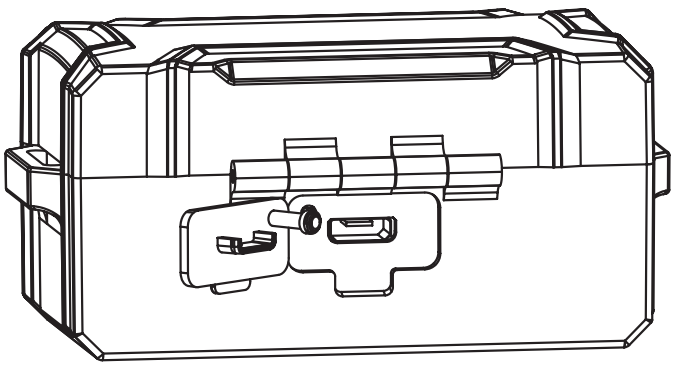
1. 离仓开机：耳机取出后自动开机
   手动开机：耳机在关机状态下重新开机，需左右耳长按按键 3 秒各自开机，在听到提示音“power on”时松开按钮，此时耳机开启并处于室外模式。
2. 音量切换：单击左右任意按键调节模式，顺序：大→小→静音→大→小。
3. 设备配对：取出耳机自动开机，随即进入配对模式（白蓝灯交替闪烁），配对名“XDZ-H20T”，设备选中耳机配对成功后 LED 停止闪烁，并出现提示音提示音“Connected”。
4. 收听音乐：设备连接成功后，双击左右任意按键播放 / 暂停音乐。
5. 通透模式：音乐播放中，可单击左右任意按键调节模式。
6. 通话模式：来电时单击左右任意按键接听电话，双击任意按键挂断通话，来电时长按任意按键 2 秒拒接电话。
7. 进仓关机：耳机放入充电仓后自动关机
   手动关机：长按单边按键 3 秒同步关机，并出现提示音“power off”。
   自动关机：无任何操作 / 使用，两小时后自动关机，并出现提示音“power off”。

【故障自查】

项目	可能原因	解决方法
助听器没有声音	电池没电	重新充电
	出声口或麦克风堵塞	清洁出声口或麦克风口
声音很弱模糊不清	电池量不足	重新充电
	音量设置太低	调高音量
	耳塞松动	重新戴紧助听器

4 充电操作说明

将耳机放置在充电盒内，使用 Type-C 数据线将充电盒与电源进行连接，当电路接通时即自动充电，电量指示灯亦随之闪烁。
若电量指示灯无闪烁，请检查充电盒、数据线、电源是否正常连接。
充电完毕时电量指示灯状态为常亮。
注意：确保耳机的充电触点指向下方，以便与插座中的充电点接触。



项目	可能原因	解决方法
助听器接入后，助听器指示灯不亮	助听器与充电盒接触不良	将助听器重新插入充电盒充电槽
	助听器接反	检查助听器是否接反
指示灯不亮	电源没插稳	连接 USB 线充电

警告

电池请勿拆解、刺破、挤压、加热或投入火中
严重鼓胀或浸水后禁止使用

九、保养及维护

1、耳塞清洗、消毒方法：把耳塞从助听器上摘下来，用清水冲洗，或者用酒精擦拭，等耳塞晾干了之后再安装在助听器上就可以了。
2、产品的清洁方法：可用无绒软布或用清洁剂浸润的海绵经行擦拭。在清洁时不要把液体倒在仪器上，要确保仪器内部不得进入任何液体。擦拭时要特别小心，确保不能有水进入。

十、储存 / 运输条件、方法

1、正常使用环境条件
a) 环境温度 0℃ -40℃；
b）相对湿度：≤ 80%
c）大气压力：86kPa-106kPa；
2、产品应存放于阴凉干燥处，环境应符合以下条件：
a）环境温度：-10℃ -55℃
b）相对温度：≤ 90%
c）大气压力：50kPa-150kPa；
3、轻拿轻放，避免产品受到碰撞或强烈冲击。

十一、废弃物、残渣的处理

请不要随意丢弃报废耳塞、主机、充电盒，对废弃物、残渣的处理应符合相应的国家法律规定。

十二、配件清单

- XDZ-H20T 耳内式蓝牙助听器一对（装配中号耳扣一对、中号耳塞一对）
- 便携式锂电池充电盒 *1
- 硅胶防丢绳 *1
- 充电线 *1
- 小号耳扣 & 耳塞一对
- 大号耳扣 & 耳塞一对
- 说明书 *1
- 合格标签

	注意，参考随附文件		制造商
	B 型应用部分设备		向上
	CE 标识		防止雨淋
	生产批号		堆码层数
	废弃的电气和电子设备单独处理标志（请遵守当地的法律法规）		

附件：电磁兼容信息

注意：

1. 耳内式蓝牙助听器应符合 YY0505-2012 和 GB/T25102.13-2010 中临近者兼容性规定的要求；用户应根据随机文件提供的电磁兼容信息进行安装和使用；
2. 便携式和移动式 RF 通信设备可能影响耳内助听器性能，使用时避免强电磁干扰，如靠近手机、微波炉等；
3. 指南和制造商的声明详见附件。

警示：

1. 耳内式蓝牙助听器不应与其他设备接近叠放使用，如果必须接近叠放使用，则应管擦验证在其使用的配置下能正常运行；
2. 除耳内式蓝牙助听器的制造商为内部元器件的备件出售的电缆外，使用规定外的附件和电缆可能导致耳内助听器发射的增加或抗扰度的降低。

指南和制造商得声明 - 电磁发射		
耳内式蓝牙助听器预期使用在下列规定得电磁环境中，耳内式蓝牙助听器的购买者或使用者保证它在这种电磁环境下使用：		
发射试验	符合性	电磁环境 - 指南
GB4824 RF 发射	1 组	耳内式助听器仅为其内部功能而使用 RF 能量。因此，它的 RF 发射很低，并且可能不会对附近设备生产任何干扰
GB4824 RF 发射	B 类	耳内式助听器 适于使用在家用和直接连到供家用的住宅公共低压供电网的所有设施中。
Gb17625.1 谐波发射	不适用	
GB17625.2 电压波动 / 闪烁发射	不适用	

指南和制造商的声明 - 电磁抗扰度			
耳内式蓝牙助听器预期使用在下列规定的电磁环境中，耳内式蓝牙助听器的购买者或使用者应该保证它在这种电磁环境下使用：			
抗扰度试验	IEC60601 测试电平	符合电平	电磁环境 - 指南
静电放电（ESD） GB/T17626.2	±6kv 接触放电 ±1kv 空气放电	±6kV 接触放电 ±6Kv 空气放电	地面应该是木质、混凝土或瓷砖，如果地面用合成材料覆盖，则相对湿度应该至少 30%
电快速瞬变脉冲群 GB/T 17626.4	±2kV 对电源线 ±1Kv 对输入 / 输出线	不适用	不适用
浪涌 GB/T17626.5	±1kV 差模电压 ±2kV	不适用	不适用
电源输入线上 电压暂降、 短时中断和电压变化 GB/17626.11	＜ 5% Ut，持续 0.5 周（在 Ut 上，＞ 95 % 的暂降）40 % Ut，持续 5 周（在 Ut 上 60 % 的暂降）70 % Ut，持续 25 周（在 Ut 上，30% 的暂降）＜ 5% Ut，持续 5s（在 Ut 上＞ 95%的暂降）	不适用	不适用
工频磁场 (50/60HZ) GB/T 17626.8	3A/m	3A/m	工频磁场应具有在典型的商业或医院环境中典型场所的工频磁场水平特征
注：Ut 指施加试验电压前的交流网电压			

指南和制造商的声明 - 电磁抗扰度			
耳内式助听器 预期使用在下列规定的电磁环境中，耳内式助听器的购买者或使用者应该保证它在这种电磁环境下使用：			
抗扰度试验	IEC60601 测试电平	符合电平	电磁环境 - 指南
RF 传导 GB/T17626.6 RF 辐射 GB/T176263	3 Vrms 150 kHz to80MHz 3V/m 80 MHz to 2.5 GHz	不适用 3V/m	便携式和移动式 RF 通信设备不应比推荐的隔离距离更靠近耳内式助听器的任何部分使用，包括电缆。该距离应由与发射机频率相应的公式计算。 **推荐的隔离距离** d=1.2 √ P d=1.2 √ p 80MHzto 800MHz d=2.3VP800MHz to2.5GHz 其中，P 是根据发射机制造商提供的发射机最大输出额定功率，以瓦特 (W) 为单位，d 是推荐的隔离距离，以米 (m) 为单位。 固定式 RF 发射机的场强通过对电磁场所勘测 a 来确定，在每个频率范围 b 都应比符合电平低。 在标记下列符号的设备附近可能出现干扰
注 1: 在 80MHz 和 800MHz 频率上，采用较高频段的公式。 注 2: 这些指南可能不适合所有的情况，电磁传播受建筑物、物体和人体的吸收和反射的影响。			
a 固定发射机场强，诸如 : 无线 (蜂窝 / 无绳) 电话和地面移动式无线电的基站、业余无线电、AM(调幅) 和 FM(调频) 无线电广播以及电视广播等，其场强在理论上都不能准确预知。为评定固定式 RF 发射机的电磁环境，应该考滤电磁场所的勘测。如果测得宜内式助听器所处场所的场强高于上述应用的 RF 符合电平，则应观测耳内式助听器以验证其能正常运行。如果观测到不正常性能，则补充措施可能是必需的，如重新对目内式助听器定向或定位。 b 在 150KHz~80MHz 整个频率范围，场强应该低于 3V/m。			

便携式及移动式 RF 通信设备和耳内式助听器之间的推荐隔离距离			
耳内式蓝牙助听器预期在辐射 RF 骚扰受控的电磁环境下使用。依据通信设备最大输出功率，耳内式蓝牙助听器的购买者使用者可通过下面推荐的维持便携式及移动式 RF 通信设备（发射机）和耳内式蓝牙助听器之间最小距离来防止电磁干扰。			
发射机的额定最大输出功率 /w	对应发射机不同频率的隔离距离 /m		
	150kHz~80MHz d=1.2VP	80MHz~800MHz d=1.2 √ p	800MHz~2.5GHz d=2.3 √ p
0.01	/	0.12	0.23
0.1	/	0.38	0.73
1	/	1.2	2.3
10	/	3.8	7.3
100	/	12	23
对于上表未列出的发射机额定最大输出功率，推荐隔离距离 d，以米（m）为单位，能用相应发射机频率栏中的公式来确定，这里 P 是由发射机制造商提供的发射机最大额定功率，以瓦特（w）为单位 注：在 80MHz 和 800MH 频率上，采用较高频范围的公式。 注：这些指南可能不适合所有的情况，电磁传播受建筑物、物体和人体的吸收和反射的影响。			

助听器符合 GB/T25102.13 规定的助听器抗扰度时射频测试信号的场强					
	临近者兼容性，当处于以下场强时 IRIL ≤ 55Db 场强以 V/m 表示				
频率范围 GHz	0.08-0.8	0.8-0.96	0.96-1.4	1.4-2.0	2.0-3.0
传声器模式	/	3	/	2	/

本说明书仅适合充电电款型号
电磁兼容：应满足 GB/T25102.13-2010 规定的要求。
【产品名称】耳内式蓝牙助听器
【产品型号】XDZ-H20T
【工作电源】
【注册证编号】
【产品技术要求编号】
【生产许可证编号】
【注册人 / 生产企业 / 售后 / 品牌运营】广州行动者科技有限责任公司
地址 : 中国广东省广州市荔湾区荔湾路 94 号 A 座 601 室
电话 : +86 20 81179170 传真 : +86 20 81179171
邮件 : info@opsmen.com/cs@opsmen.com

FCC ID: 2A4IK-H20T

维修服务

EARMOR XDZ-H20T 耳内式蓝牙助听器自购买之日起一年内可免费进行维修或部件更换 ，正常使用时造成部件故障的维修和运费除外。

本维修服务不适用以下情况：
1. 人为破坏，拆解，改装本产品
2. 错误操作导致产品损坏


EARMOR®