

## User Manual

— KYTO2880



Before using this product, users must carefully read this instruction manual. This manual aims to inform users of important operating steps that must be remembered during use, incorrect operations that may cause abnormalities in the hearing aid, and dangerous operations that may cause harm to the hearing aid or the user. If any abnormal phenomena or dangerous injuries to personnel and machines caused by the erroneous operations that must be avoided as indicated in this instruction occur, our company will not be responsible for the safety, reliability, and performance guarantee of the hearing aid, and we will not provide free maintenance for such faults.

The information in this article may change, and our company does not make any promises about it. The changes made to the content of this article will be reflected in the updated version. We do not assume any responsibility for the use or reliability of software or equipment provided by us or our distributors.

### Caution:

1. Stay away from electronic devices, high-frequency electrical radiation sources, etc. to avoid interference during use.
2. Avoid moisture or contact with water, extreme air pressure, excessive humidity and temperature, poor ventilation, and alkaline dust or acidic gases.
3. To avoid damage to human body or equipment caused by static electricity released during use, please wash your hands before use.
9. To extend the service life of the charging case during charging, the charging cable should be removed in a timely manner after being fully charged to end the charging process.

10. When not using the hearing aid, please charge the product regularly, with a recommended charging interval of <30 days. The hearing aid charging case is recommended to be charged with a recommended charging interval of <90 days.
11. Do not place the hearing aid within reach of infants and young children. If accidentally swallowed, seek medical attention immediately.
12. The scrapping and disposal of products should be handled in accordance with relevant national regulations.
13. The equipment and accessories used in conjunction with it are limited to those recognized by our company. If unapproved equipment and accessories are used, it will affect the design effectiveness and safety of this hearing aid. We do not assume any legal responsibility for any personal injury or economic losses caused by this!
14. If there is trauma, inflammation or swelling pain in the ear after wearing a hearing aid, you should stop wearing the hearing aid and consult our company. If the situation cannot be improved, please seek medical attention promptly
15. A small number of users who wear hearing aids for the first time may experience ear blockages or speak too loudly, and generally gradually adapt within three months.

### WARNING:

1. Avoid storing in areas where chemicals are stored or where there is a risk of gas leakage.
2. Do not use this hearing aid circuit in medical hyperbaric oxygen chambers, otherwise it may cause explosions or fires.
3. Do not use this hearing aid near or in environments with flammable anesthetics to prevent explosions that may be caused by electric arcs.
4. Do not use hearing aids in the radiation environment of NMR or CT scanners.

5. Patients using implantable electronic devices (such as pacemakers) are prohibited from using this product.
6. Do not connect to the same patient simultaneously with high-frequency surgical equipment.
7. Use hearing aids close to shortwave or microwave therapy equipment (e.g. 1m). May cause unstable output of hearing aids.
8. In mining areas or explosive situations, please turn off hearing aids and use them only after confirming that they are harmless.
9. The safety of using this hearing aid during pregnancy or childbirth has not been confirmed, please follow medical advice.
10. Do not open the hearing aid casing to avoid potential electric shock hazards. Any repair and upgrade of hearing aids must be carried out by service personnel trained and authorized by our company.
11. Hair gel, face cream and other cosmetics may damage the hearing aid, so the hearing aid should be removed before makeup.

### If you have the following symptoms, please do not use this device

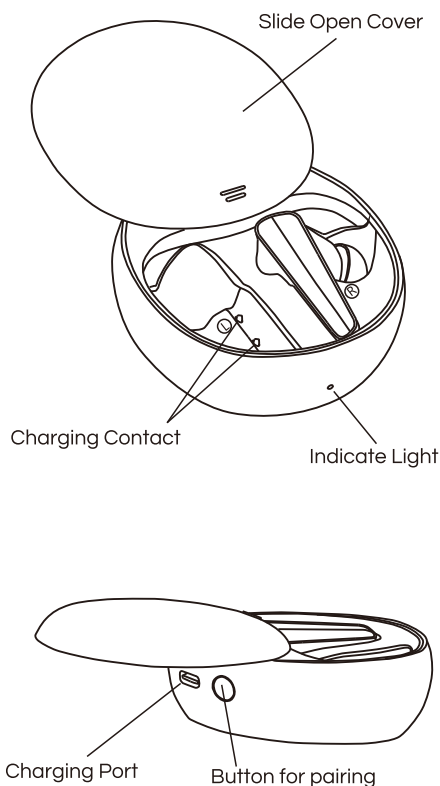
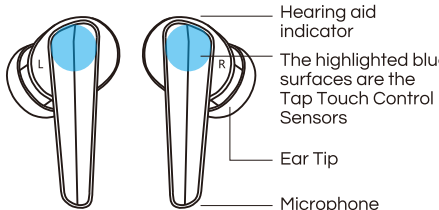
1. Congenital external ear occlusion or external auditory canal malformation, with a large number of foreign bodies in the external auditory canal.
2. The condition of deafness is unstable, and the degree of hearing loss often fluctuates.

3. Individuals with obvious discomfort symptoms such as headache, dizziness, ear pain, and tinnitus.
4. Individuals with sudden deafness, progressive rapid deafness, significant unilateral deafness, or other acute ear diseases in the past 3 months.
5. Middle ear effusion with frequent pus discharge.
6. Central hearing loss, non quality hearing loss.
7. Acute otitis externa and tympanic membrane inflammation patients.
8. Patients with acute or chronic suppurative otitis media (in the stage of purulent infection).
9. Individuals who are allergic to the materials of this product.
10. Patients with significant degree of conductive hearing loss and ineffective general pneumatic hearing aids.

### Getting to know your Hearing Aids

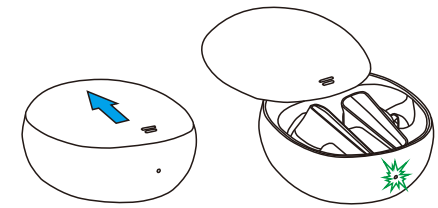
Working principle: This product mainly uses sound sensors to convert sound information into electrical signals, which are processed by a digital chip and then transmitted to the receiver for output through a sound guide tube. The signal processing is carried out by a digital chip.

Suitable population: Adults and children with air conduction hearing loss are prohibited from using hearing compensation for patients with the following symptoms.

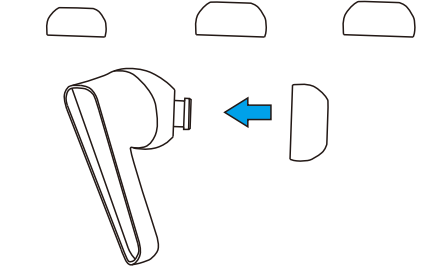


### How to use

1. Slide open the cover, the indicator light will light up and enter Bluetooth pairing mode. For the first pairing of the product, click on "K2880" and pair.



2. For the first time using this product, choose a suitable size from the three different sizes of ear tip provided and assemble it at the sound outlet of the hearing aid.



First, place the earbud equipped hearing aid into the ear canal until it fits snugly and does not detach from the ear canal, providing a comfortable feeling.

3. If the hearing aid is connected to the phone and you are listening to music, press left to decrease the volume, and press right to increase the volume.

4. Triple press the button area to adjust the auxiliary listening mode, and adjust it to the appropriate mode according to the current usage environment (there are four modes, namely: 1. Indoor mode 2. Outdoor mode 3. Mass transportation mode 4. Restaurant mode). There will be a prompt sound for each mode switch.

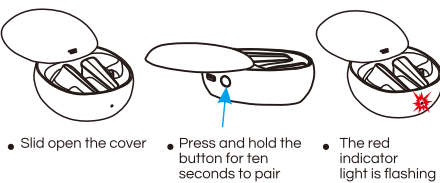
5. If the hearing aid is connected to the phone, double-click the button area to play and pause the content being played.

6. If the auxiliary listening device is connected to a mobile phone, when you hear the incoming call ringtone prompt, simply press the button once to answer the call; Double click the button to hang up or reject the call.

7. If the auxiliary listening device is connected to the phone, tapping the button for one second can activate the phone's assistant voice function.

8. Turning off and activating the auxiliary listening mode: Press and hold the button for 2 seconds to turn off or on the auxiliary listening function. When turned on or off, a voice prompt will appear saying "hearing on" or "hearing off".

9. Left and right auxiliary listening pairing: If for some special reason the auxiliary listening device is not paired left and right (in this case, only one side has sound when playing music), it needs to be re paired, as shown in the following figure.



then close the cover and repair the bluetooth of your mobile.

10. After use, remove and clean the hearing aid, place it in the charging case, and close the charging slide cover. The auxiliary listening device will automatically shut down and charge when placed in the charging case. Once fully charged, it will automatically enter ultra-low power consumption mode.

11. When the power of the charging case is insufficient, the indicator light will turn red, indicating the need for charging. The indicator light will turn on a green breathing light when charging, and automatically turn off when fully charged.

### Notes

- First week of wearing: Listen to various sounds at home and in a relatively quiet environment for 30 minutes a day, gradually increasing the wearing time. There may be some sounds that appear too loud, such as the buzzing sound of the refrigerator or your footsteps, which are normal phenomena. Please persist and do not give up wearing it!

- Wearing for the second week: You can watch TV programs and guess answers without looking at subtitles, making conversations easier. You can even ask people around you not to speak loudly anymore. At this time, it is recommended that you wear it for 3-4 hours every day.

- Wearing for the third week: You no longer need to spend a lot of energy listening carefully and can enter public places. Adjust the volume to suit you first, and the sound will become clearer and clearer. At this time, it is recommended to wear it for 5-6 hours every day

- Wearing it for the fourth week: You can go shopping or travel far, do things that interest you, experience various sounds in this world, and feel more energetic and better communication skills. At this time, you can freely control the wearing time.

### How to use the APP

The main function of our app is to test hearing and control the function of auxiliary listeners, and it is not necessary to use the app for auxiliary listening or making phone calls while listening to music through headphones.

### Download the APP

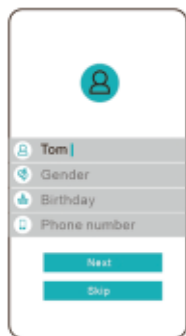
Search for "hearing helper" in the App Store or Google Play to find the app to download and install, or scan the following QR code to download and install.



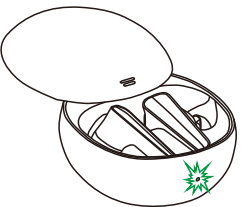
After successful installation. The icon will be displayed, and clicking on it will open the APP.

### Register

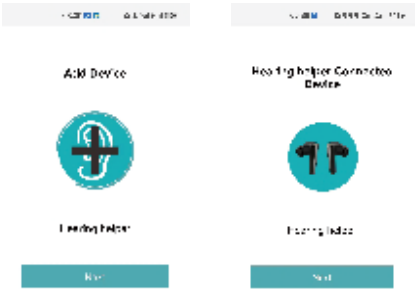
Users can register for the first use, as shown in the image on the right. After filling in the information, click "Next". This step can be omitted and simply click "Next"



Add device



- The first use requires adding a device.
- Push open the sliding cover of the charging case.
- Find Bluetooth in the phone settings, click and connect to "K2880".
- As shown in the bottom left image, click on the "+" sign.
- After successful connection, as shown in the figure on the right.
- Click on 'Next' to proceed to the next step.



Operation interface

The main interface is shown in the figure below, divided into three areas: tuning area, listening test area, and mode switching area.



Volume control

The volume adjustment in the volume control area refers to the adjustment of the auxiliary listening volume, not the volume of music or phone calls. The volume of consonants can be adjusted by individual headphones or simultaneously. When the simultaneous tuning symbol is blue, it is simultaneously tuned left and right, and when it is gray, it is separately tuned left and right. The sound is divided into four levels.

Mode switching

Click on the mode switching area on the main interface to enter the mode switching page. There are four modes: indoor mode, outdoor mode, public transportation mode, and restaurant mode. Test the four modes and find the one that suits you. When in hearing aid mode, the mode can be manually adjusted without the need for an app. The method is as follows: press the button area three times to cycle between modes.

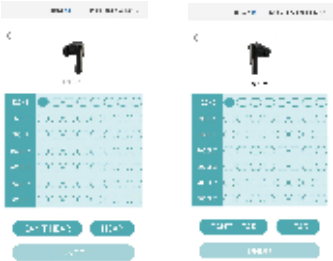


Hearing test

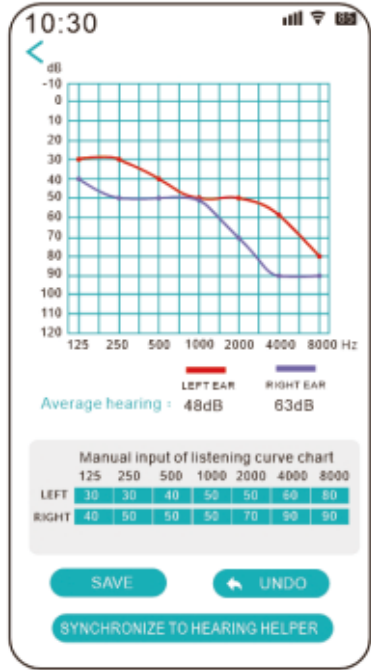
Please undergo a hearing test before using this hearing aid. Click on the listening test area on the main page to enter the listening test page. When conducting a listening test it is necessary to find a quiet place. When the ambient noise is too loud, the app will prompt and pause the test until a quiet place is found.



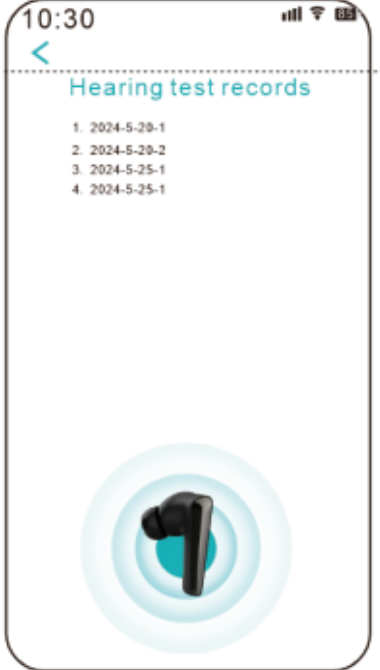
Test the hearing of the left and right ears separately according to the prompts, with the return button indicating the cancellation of the previous result.



After the test is completed, the test results will be displayed as shown in the figure on the right. The test data can be saved or synchronized to the auxiliary listener. If there is test data in the hospital, it can also be manually modified or inputted. If the input is incorrect, you can press cancel to return, and then synchronize it to the hearing aid or save it to a file. The test data must be synchronized to the auxiliary listener, otherwise the auxiliary listener will not be suitable for the test subject.

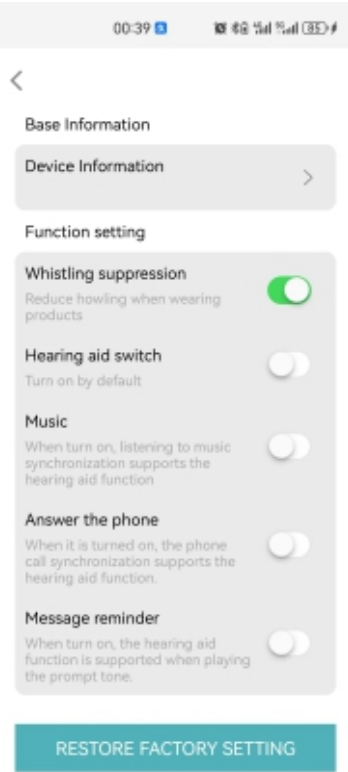


Click the "Listening Test Record" button on the listening test page to open the listening test record. The saved files after testing can be viewed in the recording of the listening test. Click on a record to find test data and then perform operations on the test data.



Parameter settings

Click the settings button on the main page to enter the parameter settings page, where many parameters of the auxiliary listener can be set.



On this page, you can set the balance value when listening to music according to personal preferences, as well as the dullness and intensity of spike suppression (dullness refers to the sensitivity of identifying sudden loud waves, and intensity refers to the intensity of cutting off loud waves after identifying the intensity).



Troubleshooting

Problems	Possible Reason	Solution
Hearing aids have no sound	1. The battery is dead. 2. The voice outlet or microphone is blocked. 3. Assistive listening is turned off.	1. Charge the battery. 2. Clean the voice outlet or the microphone. 3. Turn on the assistive listening.
The voice is weak and inaudible	1. The battery is low. 2. The volume level is not appropriate. 3. The hearing test is incorrect. 4. The earbuds are loose.	1. Charge the battery. 2. Adjust the volume level. 3. Retest your hearing and sync it to your device 4. Rewear your earbuds.
Feedback, "whistling"	1. Didn't turn on the whistling suppression. 2. The ear tip is not appropriate.. 3. The ear canal has earwax blockage. 4. The volume is too high.	1. turn on the whistling suppression. 2. Change the ear tip. 3. Have the earwax removed. 4. Turn down the volume.
The indicator light does not light up when the hearing aid is placed in the charging case	The hearing aid is in poor contact with the charging case.	After cleaning, put the hearing aids back into the charging case.
The indicator light does not light up while charging	The charging cable of the charging case is in poor contact.	Replug the charging cable.

Maintenance

The outer surface of the device can be wiped with a dry rag. To avoid damage to your hearing aids, follow these rules:  
1. Never use cleaning substances containing wax.  
2. Never spill or spray water or any cleaning solution onto the hearing aid, or allow liquid to flow inside, into the connector or into any interface within the hearing aid.  
The charging case should be cleaned before disinfection, you can use a damp cloth that does not remove hair, dip it in mild soapy water (diluted) for cleaning, and use 70%-80% ethanol (medical alcohol) as a disinfectant to clean and disinfect the charging contacts after cleaning: spray the disinfectant evenly on the outer surface of the charging case to keep it moist or wipe the surface of the electrode contact 2 times for 3 minutes.  
After each use, the hearing aids should be sorted out and visually inspected, and the wear and tear of the components should be found in time and replaced in time.

Storage and use environment of hearing aids

Working environment temperature range: 0°C~40°C  
working relative humidity range: s80%;  
Working atmospheric pressure range: 860~1060hPa  
Storage environment temperature range: -10C~55°C  
Storage relative humidity range: ≤90%;  
Storage atmospheric pressure range: 500~1500hPa

Technical specifications

Product Model: KYTO2880  
The Maxmum OSPL90: ≤125dB±3dB  
High Frequency Average Value OSPL90: 105dB±3aB  
Working Current: ≤ 12mA  
Working Voltage: DC3.7V  
Charging Voltage: DC 5V  
Charging Box Charging Current: 300mA  
Charging Conditions for Charging Case: DC 5V 1A