



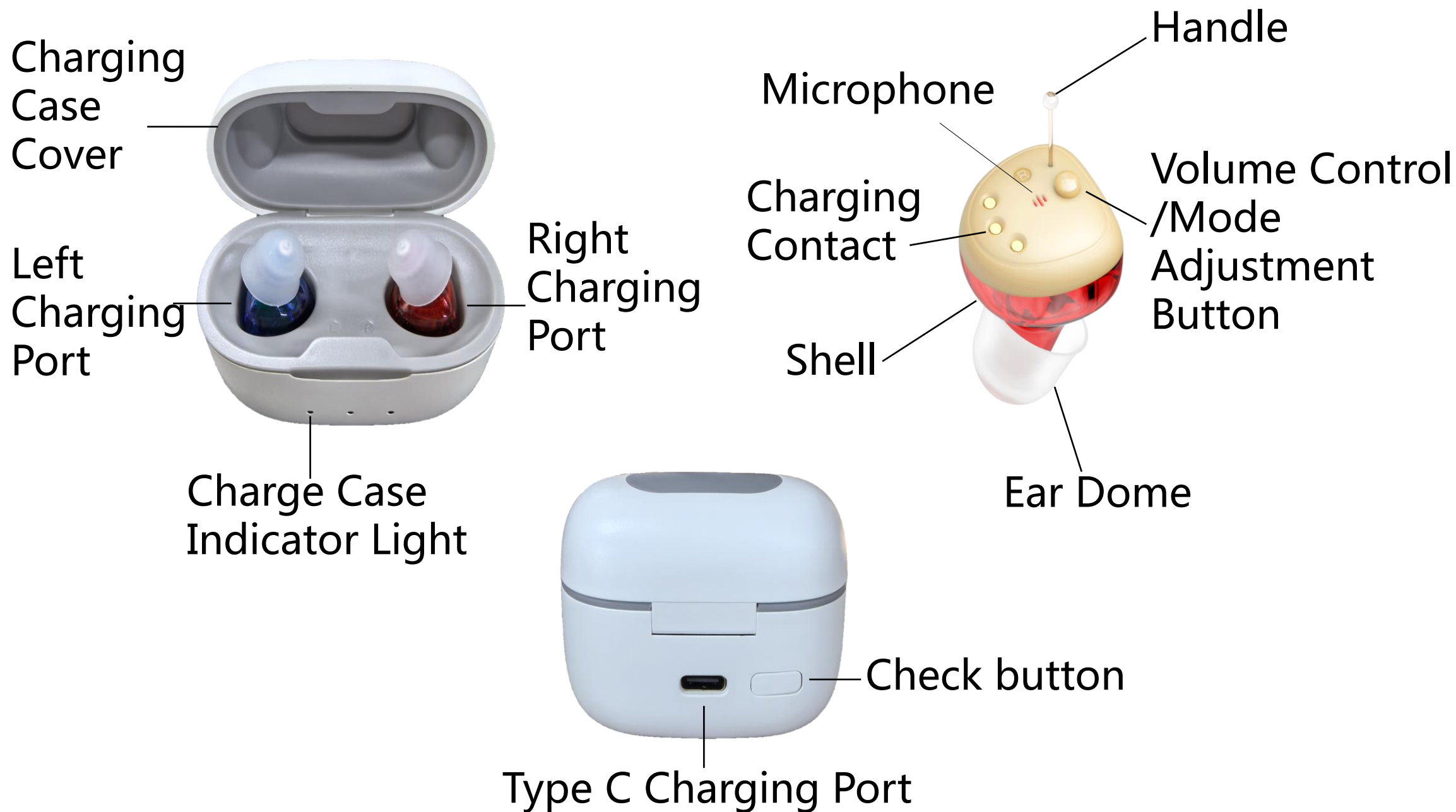
ClearTone

USER MANUAL

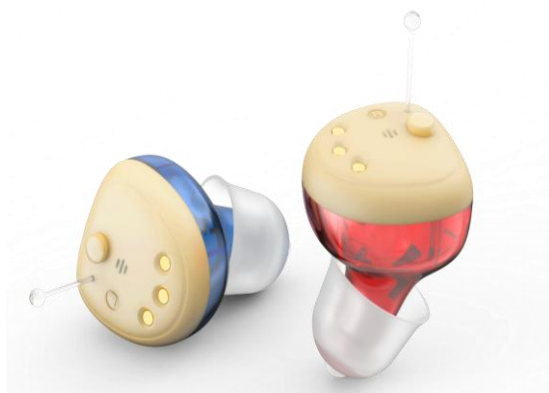
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DEVICE DIAGRAM



PACKAGE CONTENTS



Hearing Aids



Ear Domes



Cleaning Brush



Wax Guard
Replacement Kit



Type-C Cable



Charging Case

SETTING UP YOUR DEVICE

1.Choosing The Right Ear dome

Choosing the dome type & size most suitable for your ear canal will ensure minimal feedback during insertion & a better experience using the ClearTone. Take the time to find your optimal fit.

Ears Domes that come in small,medium & large sizes.

Rounded:



small medium large

SETTING UP YOUR DEVICE

2.Fitting The Ear Domes

①. **Remove Ear Domes:** Pinch the Ear Dome with your thumb, index and middle finger to separate the Ear Dome from the connector.



②. **Fit Ear Domes:** Select an appropriate Ear Dome according to the size of your ear canal, hold the Ear Dome and fit it into the connector of the hearing aid.



3.Switching between Modes

Switch Modes: Press & hold the Volume Control/Mode Switch button 3 seconds until you hear a Prompt Tone.Use the multifunctional buttons to cycle through switching programs in sequence, with a total of 4 levels of programs.



Volume Control
/Mode Switch
Button

- | | | |
|----|-------------------|---|
| M1 | General | |
| 1 | Chime | |
| M2 | Noisy Environment | 2 |
| | Chimes | |
| M3 | Indoor | |
| 3 | Chimes | |
| M4 | Outdoor | |
| 4 | Chimes | |

SETTING UP YOUR DEVICE

4. Wear a hearing aid

Step 1: Insert the Ear Dome into your ear canal

Step 2: Adjust the position of the hearing aid until it is comfortable to wear.



5. Adjusting Volume

To adjust volume, tap Volume Control/Mode Switch Button for 1 second. Each volume level is denoted by a single beep, Max volume is indicated by a double beep. There are 5 volume levels.



Volume
Control
/Mode Switch
Button

SETTING UP YOUR DEVICE

6.CHARGING INDICATOR KEY



Check button

Tap the check button of the charging case to check the charging status, and the indicator will turn off after 5S.



When the blue light is on, it means that the battery is low.



When the light is green, it means that the battery is sufficient.



NO POWER

When there is no light, the charging case has no charge. Connect to a power source.



CHARGING

When there are flashing lights, the units/case are charging.



CHARGED

When the lights are solid, your device(s) are fully charged, and the indicator will turn off after 5S.

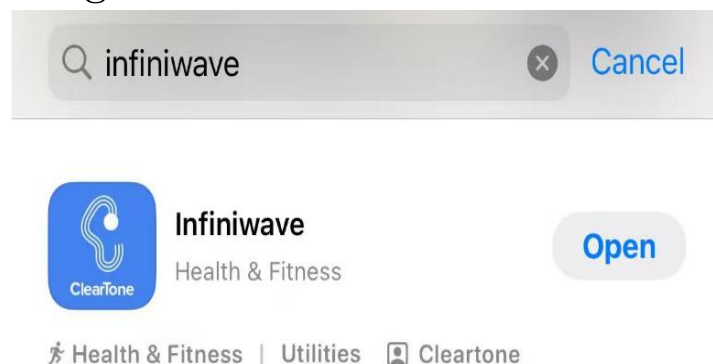
Device APP

1、Download the App (Model:BL90NW)

① Scan the right QR code With your phone's browser and download different system apps from the phone. Android user please do not click on any other pop-up paid advertisements, Scroll down to find the “BL90NW” and click “Download” to proceed.



② Iphone user can also search for the “infiniwave” app in the app store. Please see the following image for reference.



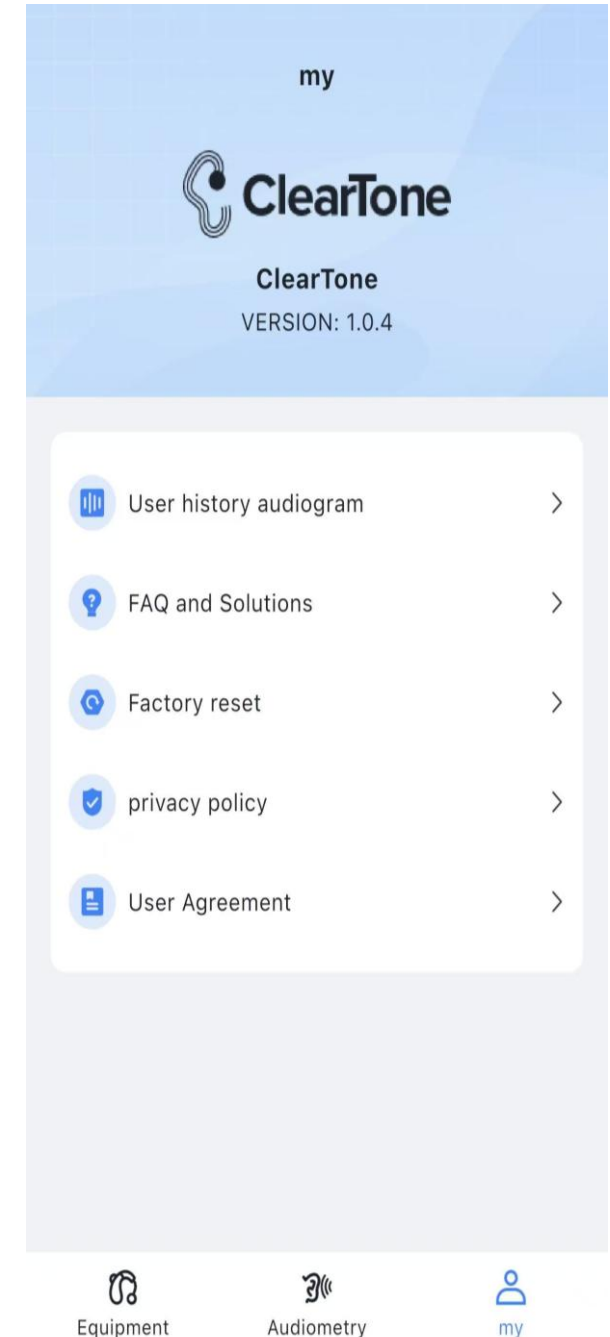
Iphone:



Device APP

2、Autonomous audiometry: The user listens to the left and right ears respectively according to the APP hearing test, generates audiogram.

3、Autonomous Fitting: Users can debug volume, Equalizer, mode and other parameters on the APP.



Device APP

ClearTone



Before starting the test, please move to a quiet environment, make sure the hearing device is connected to the APP and use closed earplugs. Please make sure the hearing device fits your ear canal.

» Test Your Hearing

☑ Already have an audiogram, enter the audiogram

Equipment

Audiometry

my

ClearTone

BL90NW

L: 94%

R: 89%

re-pair

Disconnect

Volume Adjustment

Left

5th gear

Right

5th gear

Scene Mode

Equalizer Adjustment

Universal

Universal

Low

Mid...

High

Equipment

Audiometry

my

Mode Selection

Left

Right

Common Mode

Common Mode

On

On

Restaurant Mode

Restaurant Mode

Off

Off

Traffic Patterns

Traffic Patterns

Off

Off

Outdoor Mode

Outdoor Mode

Off

Off

Equalizer Adjustment

Left

Right

High Frequency Attenuation

Low Frequency Attenuation

500

1000

1500

2000

2500

3000

4000

5000

6000

7000

Low Frequency

Intermed

The selected frequency band can be adjusted in conjunction with each other

+

-

MPO

0

-1

-2

-3

-4

Noise Suppression

0

1

2

3

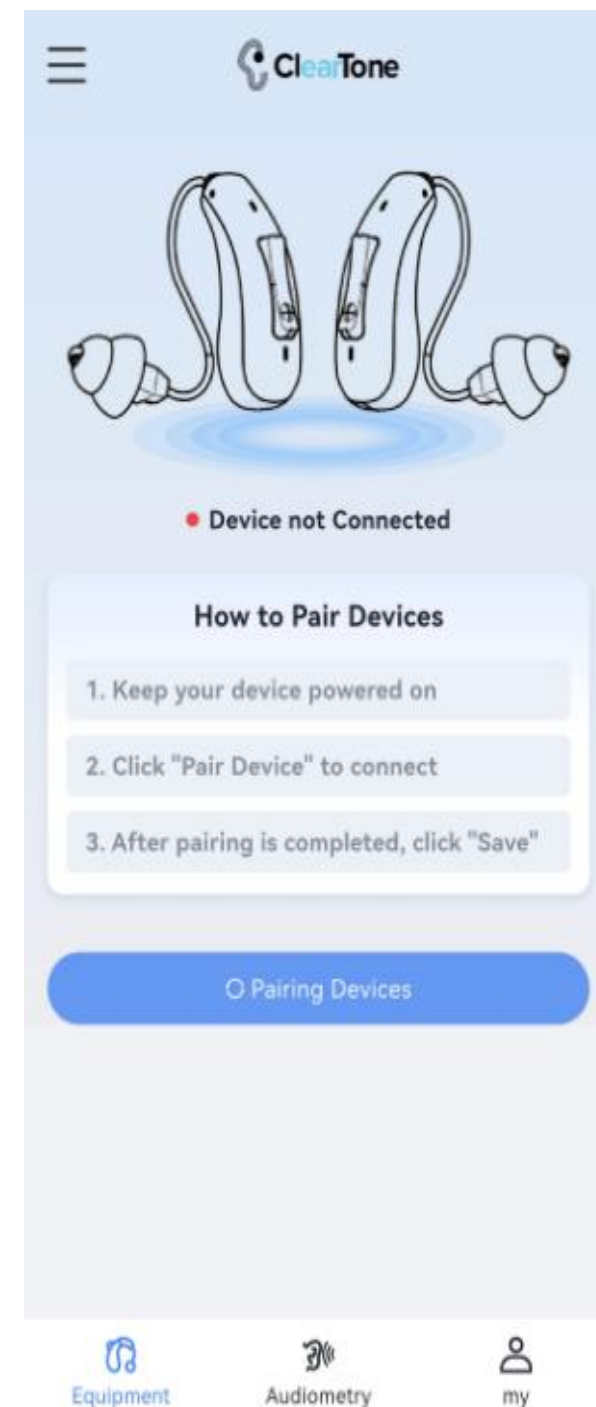
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APP Operation Guide

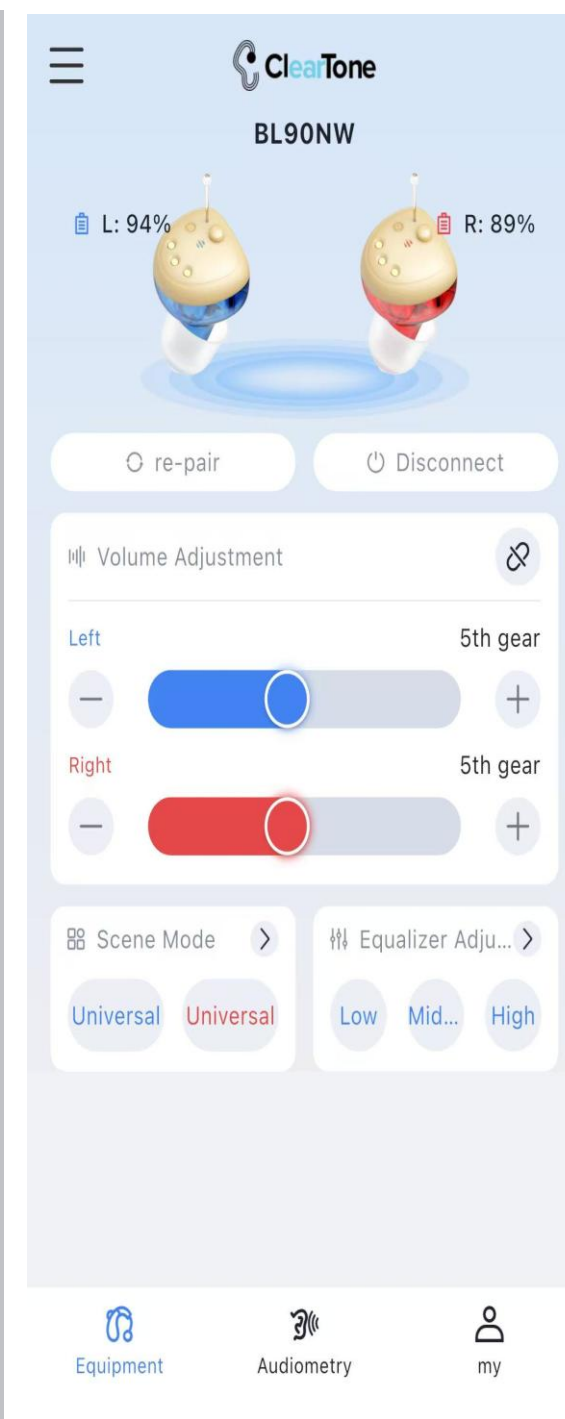
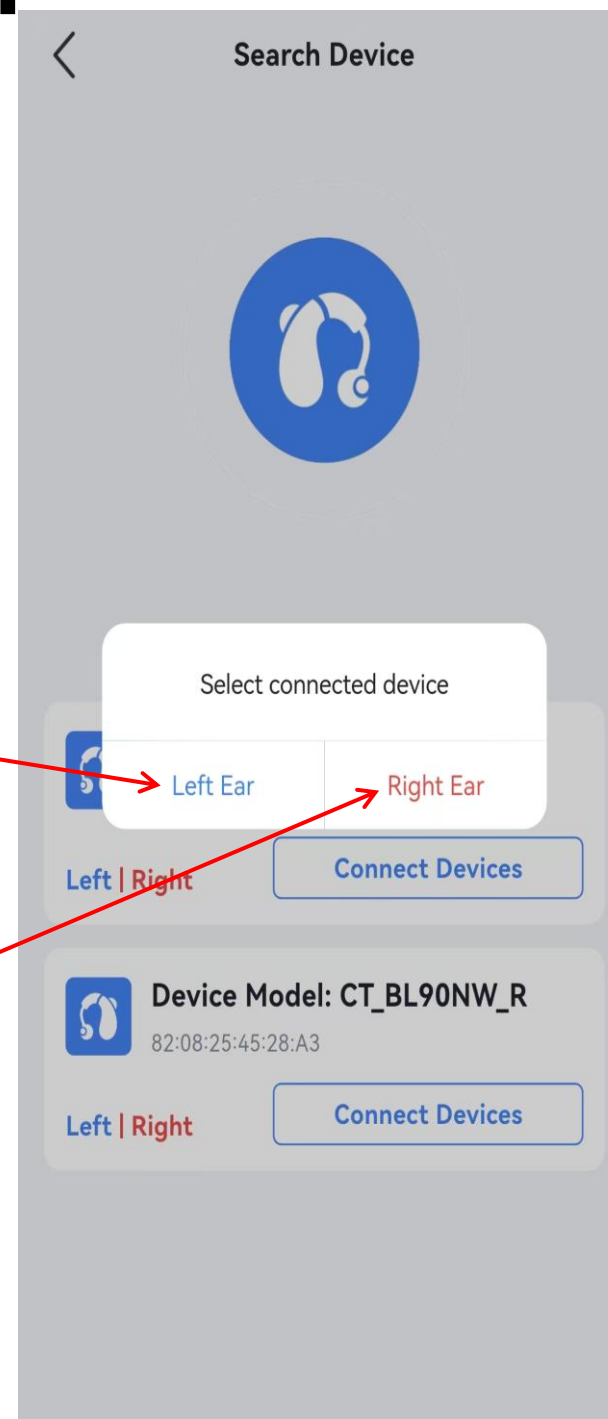
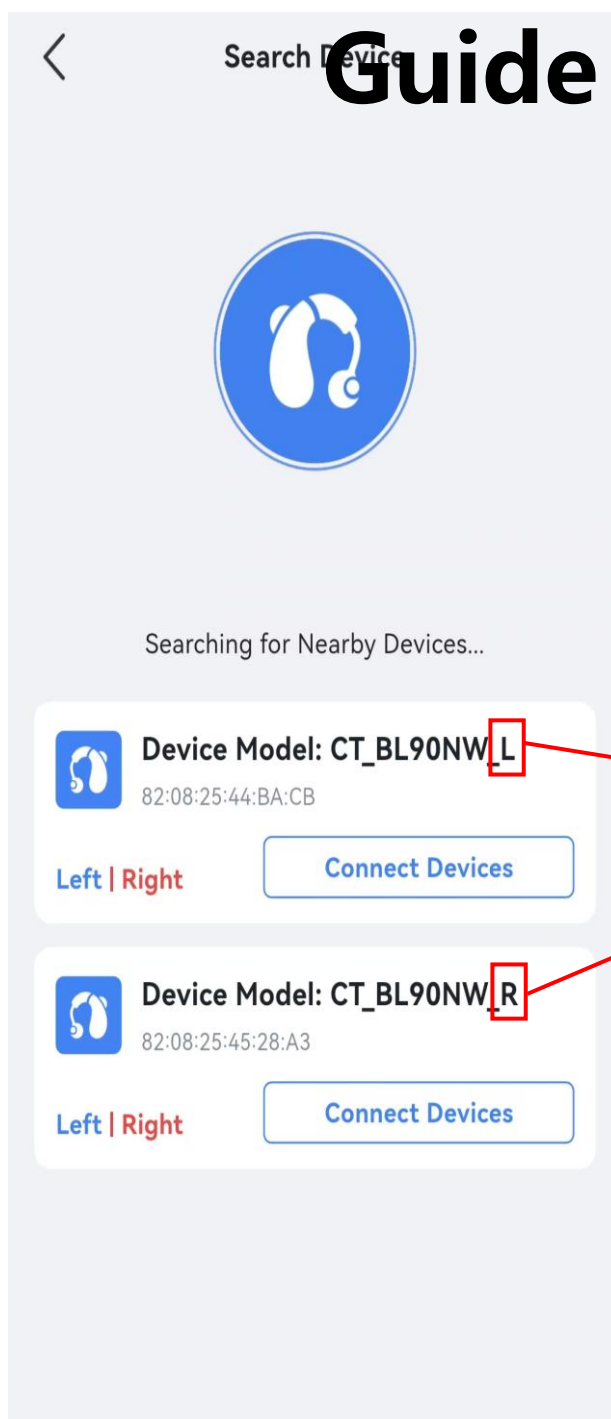
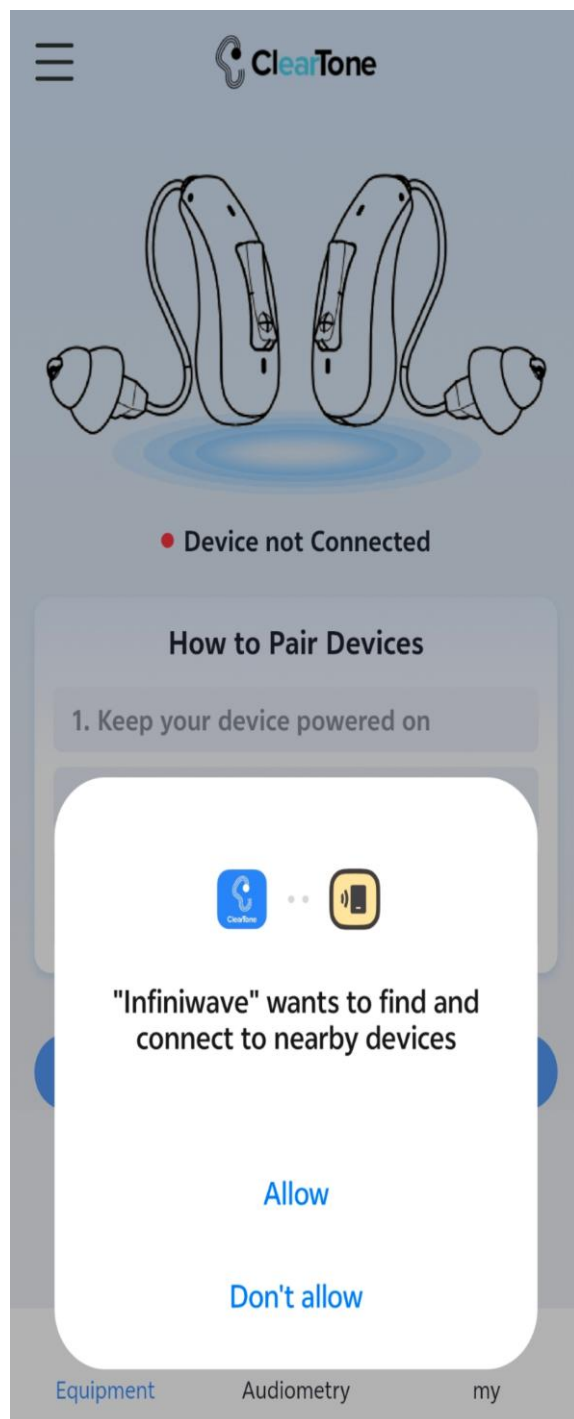
1、Pairing Devices

① Keep your bluetooth on: Keep your mobile phone's Bluetooth function turned on.

② Remove the hearing aids from the charging case, open the Infiniwave APP, click "Pairing Devices", select "Allow" to find nearby devices, then click "Pairing Devices", search for the device and click the "Connect device", match the devices, the one ends with _L match left ear, the one ends with _R match right ear. Then the page will display the Model、Status、Mode、Volume and Battery Level of the left and right ear hearing aid.



APP Operation Guide



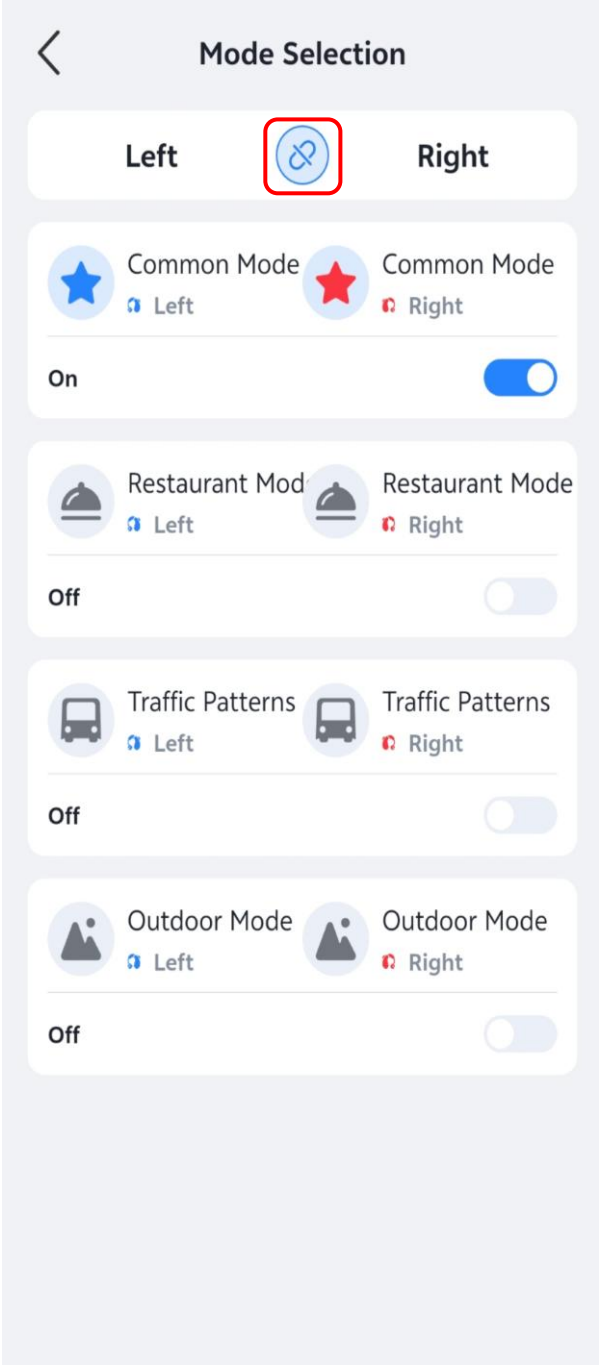
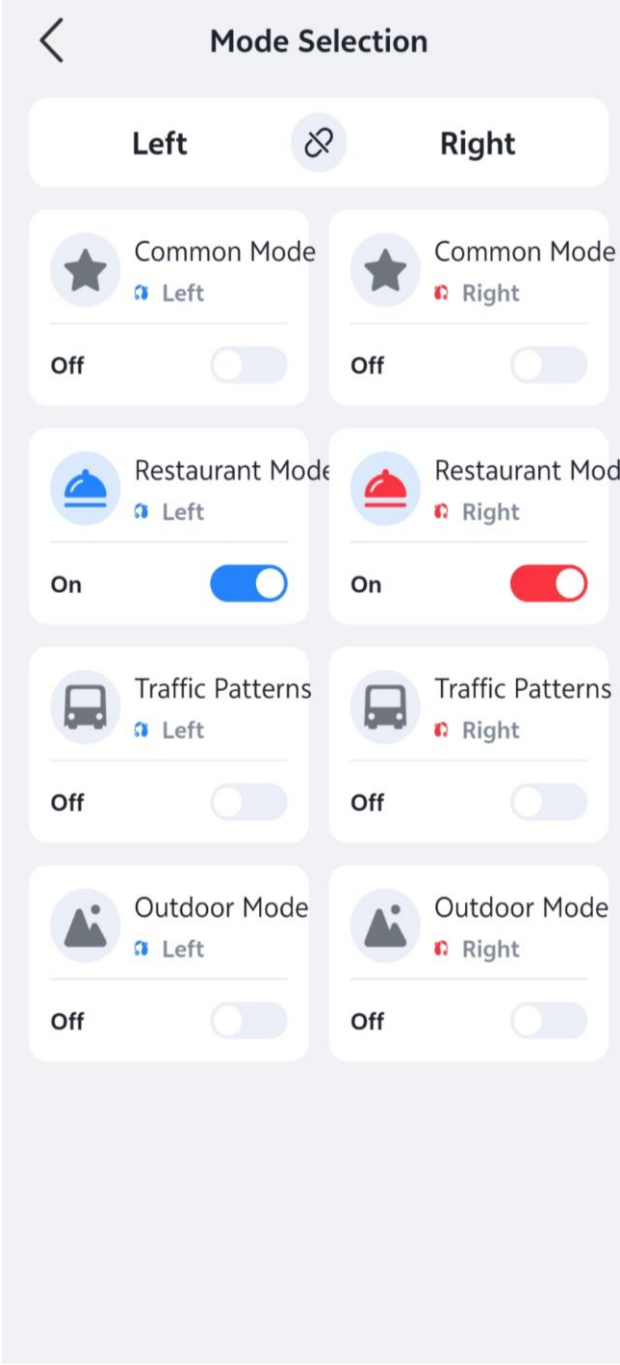
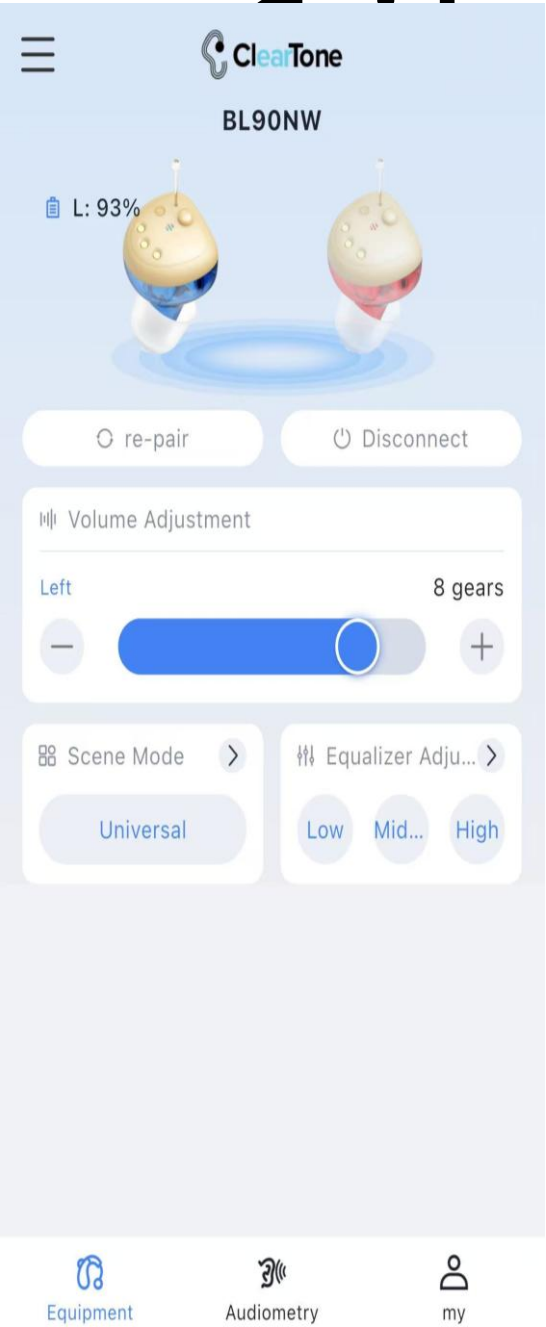
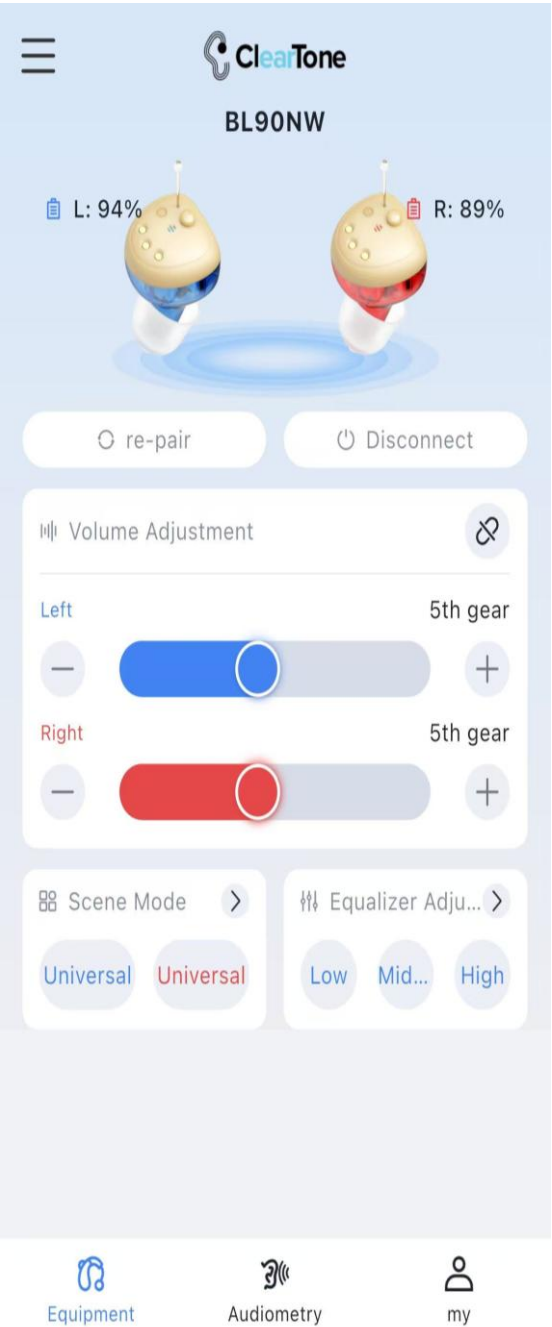
APP Operation Guide

2、Adjusting Volume and Switching between Modes

① After entering the main page(Equipment), the left and right ear battery power will be displayed, and the volume can be adjusted in the current mode. The left and right ear battery power can be adjusted separately or synchronously, and the volume will be synchronized to the hearing aid.

② Click the "Scene Mode" in the lower left corner, you can switch the four modes of Common, Restaurant, Traffic and Outdoor, synchronize to the hearing aid and have a prompt tone.

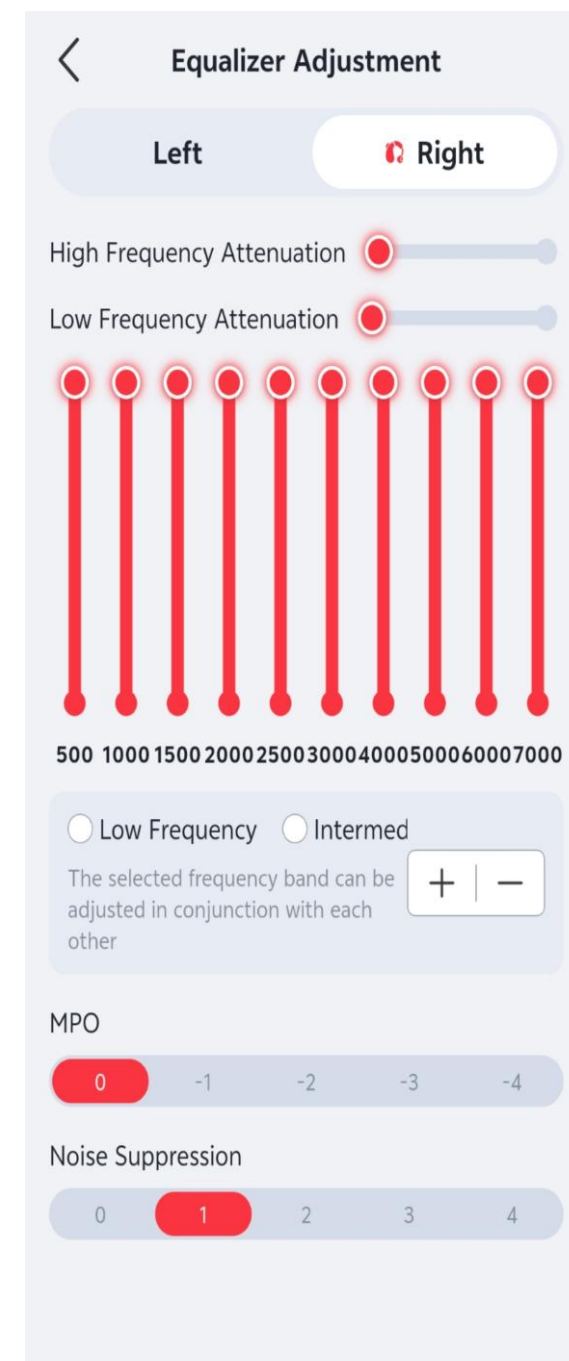
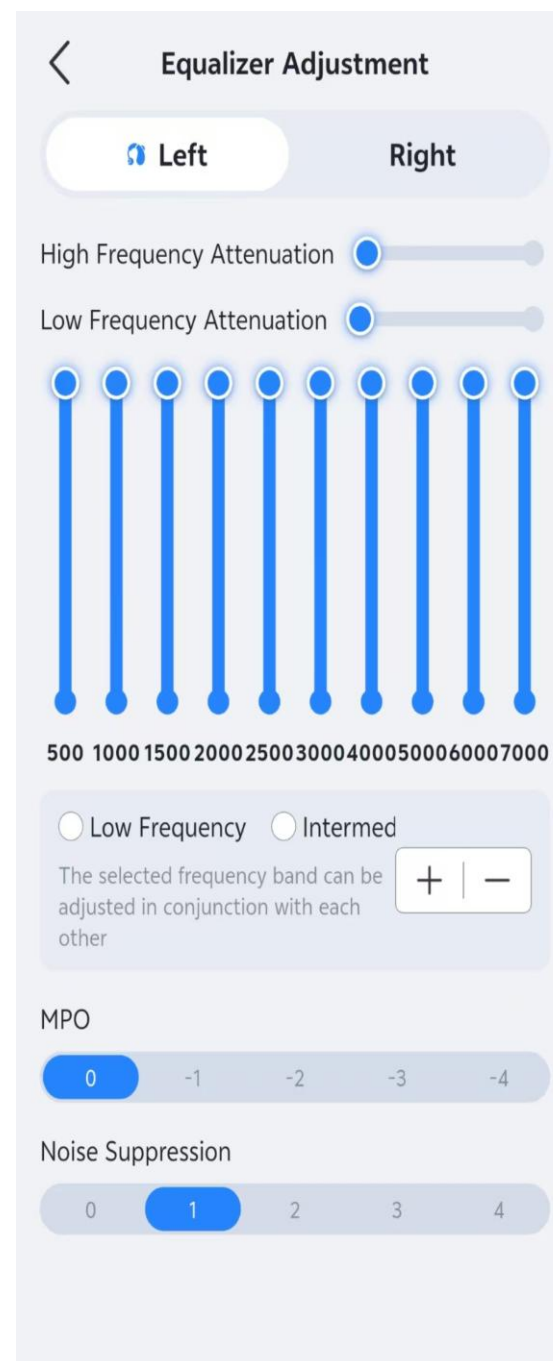
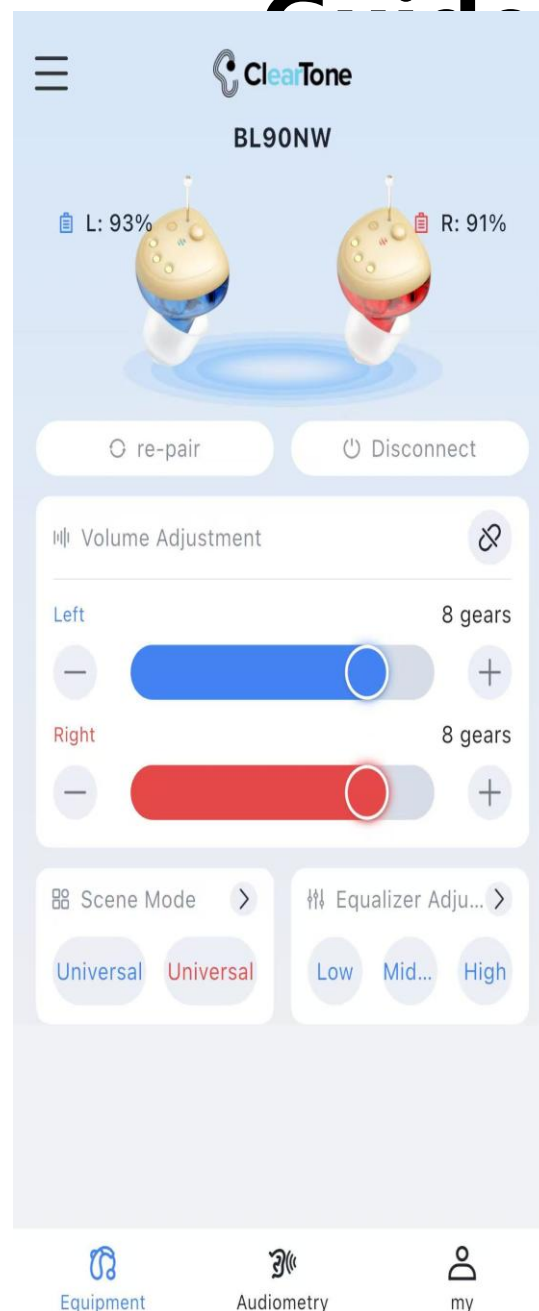
APP Operation



APP Operation

3、Equalizer Adjustment

Enter the homepage and click on the "Equalizer" in the bottom right corner to adjust the attenuation level of the high-frequency or low-frequency audio signal, control the gain of different frequencies, and also adjust MPO and Noise Suppression.



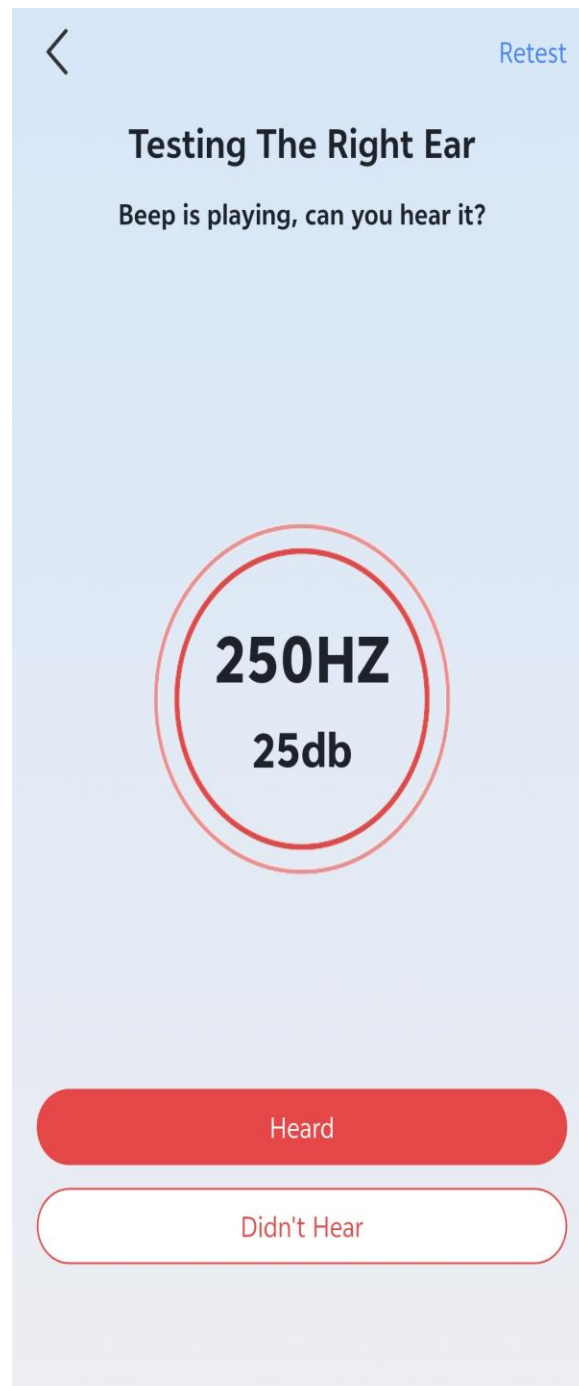
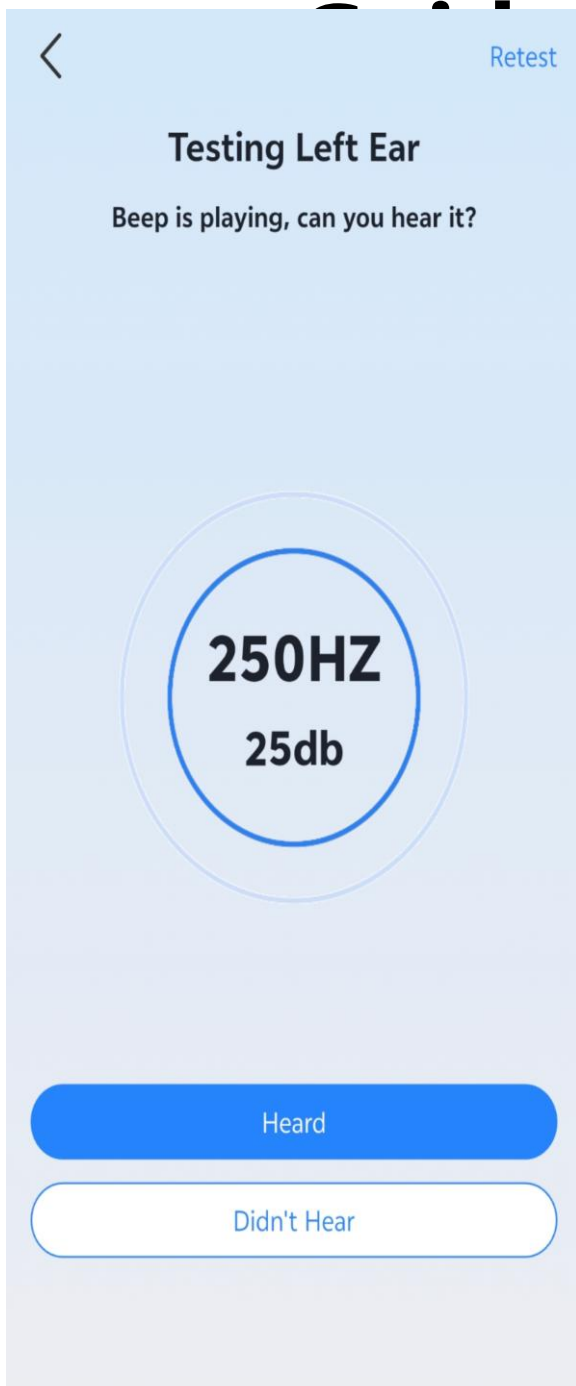
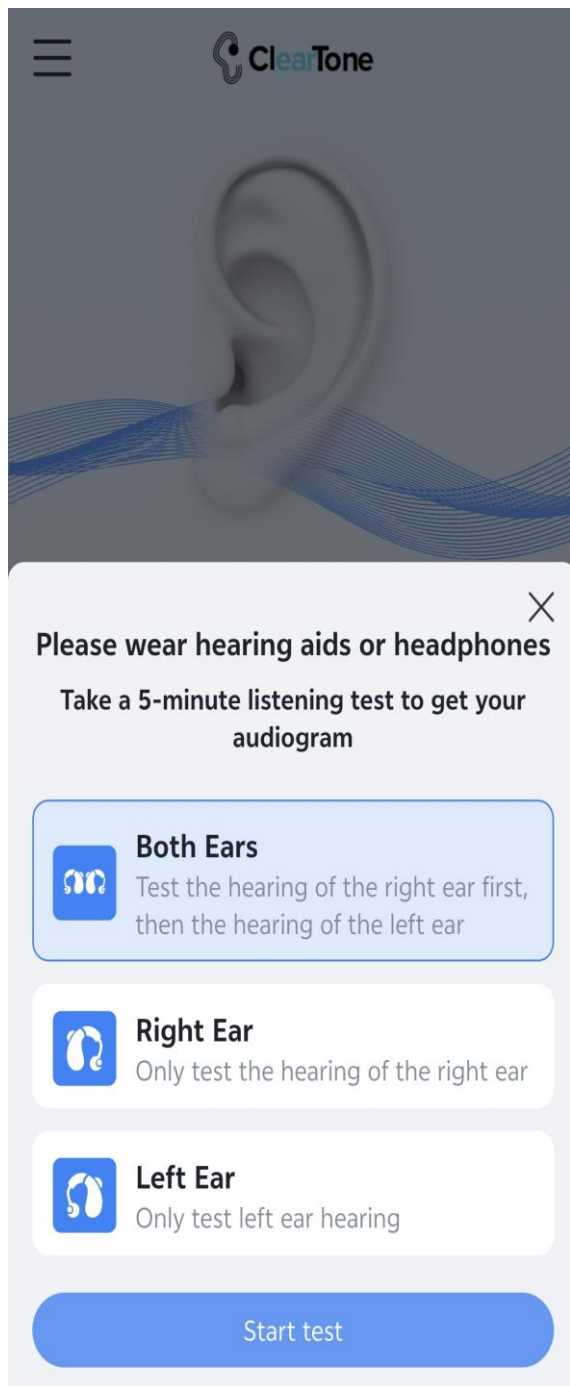
APP Operation Guide

4、Hearing Test

Click on the "Audiometry" button at the bottom center of the page to enter the hearing test interface. ("Test your hearing" or "Already have an audiogram, enter the audiogram" only choose one of them for the hearing test according to the actual situation.)

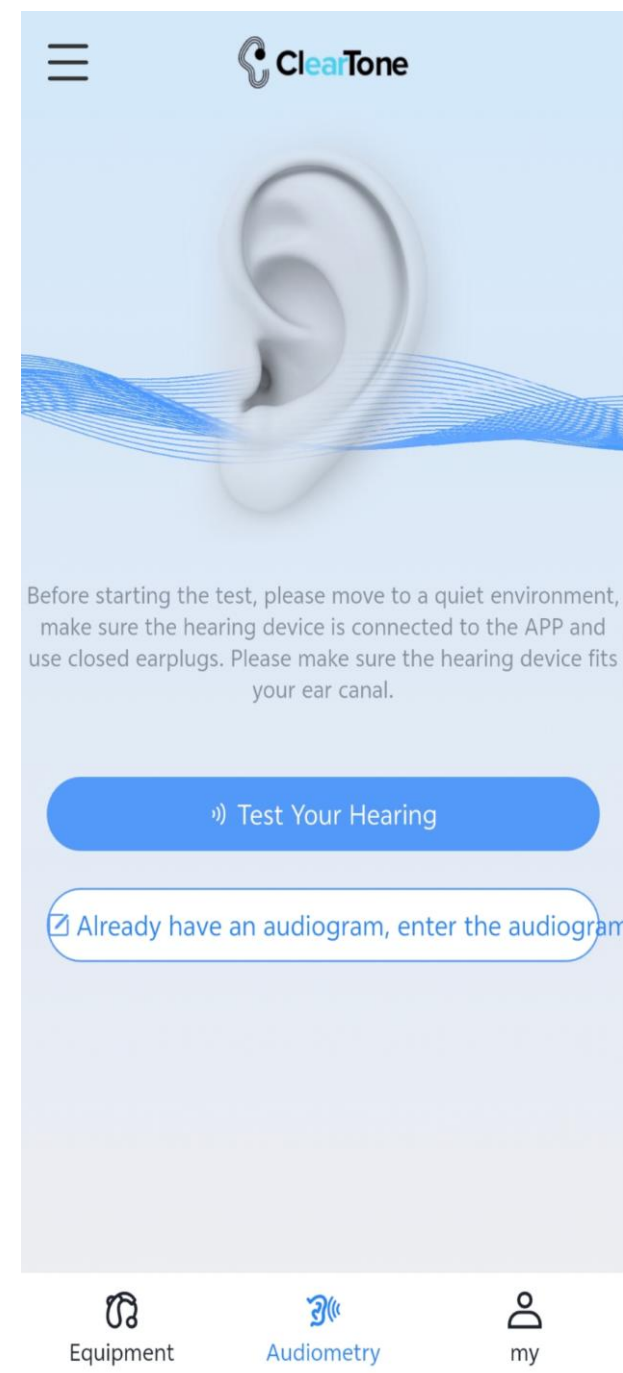
① Test your Hearing: Select the option for the ear that the user wants to test for hearing, then click "Start test" to enter the hearing test mode. According to the instructions, find a quiet place. A red display indicates that it is not quiet enough. When a continuous blue display appears, click "Next step". At different frequencies, if you hear something, click "Heard", and if you don't hear anything, click "Didn't hear". After the test is completed, a hearing report graph will be generated. Click "Save report" to save the report. The "Retest" button at the top right corner can be used to directly retest.

APP Operation



APP Operation Guide

② Already have an audiogram, enter the audiogram: click "Already have an audiogram, enter the audiogram", the left and right ears input the corresponding hearing data, after the input is completed, you can keep your audiogram in the app.



APP Operation Guide

<

Enter audiogram

Left

Right

250Hz

25

500Hz

40

1000Hz

50

2000Hz

55

3000Hz

56

4000Hz

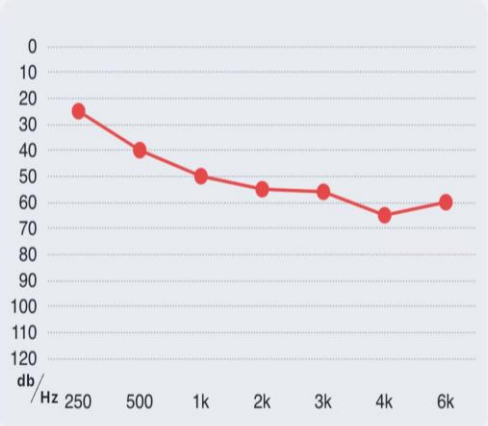
65

6000Hz

60

Audiogram

● Right Ear



Frequency (Hz)	Hearing Level (dB)
250	25
500	40
1k	50
2k	55
3k	56
4k	65
6k	60

Get an audiogram

<

Enter audiogram

Left

Right

250Hz

40

500Hz

76

1000Hz

73

2000Hz

42

3000Hz

40

4000Hz

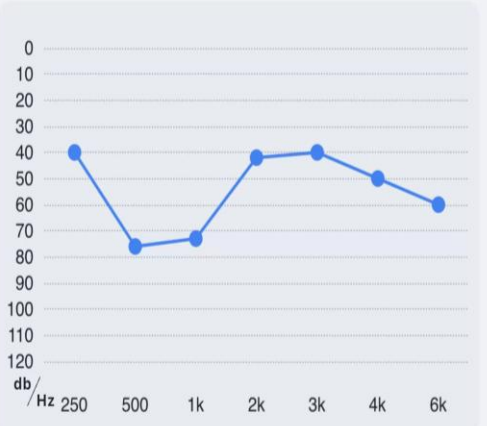
50

6000Hz

60

Audiogram

● Left Ear



Frequency (Hz)	Hearing Level (dB)
250	40
500	76
1k	73
2k	42
3k	40
4k	50
6k	60

Get an audiogram

<

Hearing Results

Retest

Audiogram

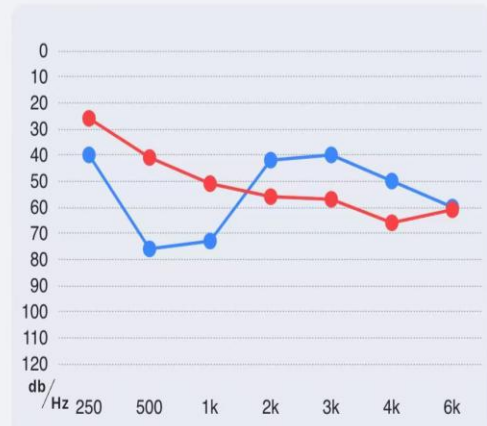
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✎

Audiogram

(Online audiometry)

● Left Ear ● Right Ear



Frequency (Hz)	Left Ear (dB)	Right Ear (dB)
250	40	25
500	76	40
1k	73	50
2k	42	55
3k	40	56
4k	50	65
6k	60	60

Average level of hearing loss

Mild

Moderate

Severe

Extremely Severe

Normal

Left

Moderate

Mild

Moderate

Severe

Extremely Severe

Normal

Right

Moderate

Save Report

APP Operation Guide

5、my

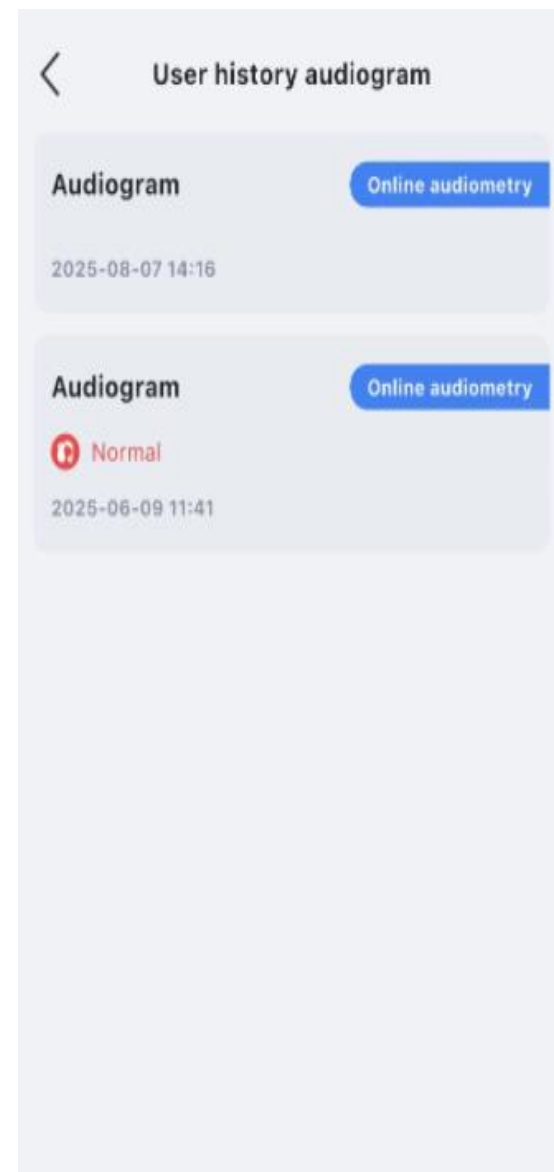
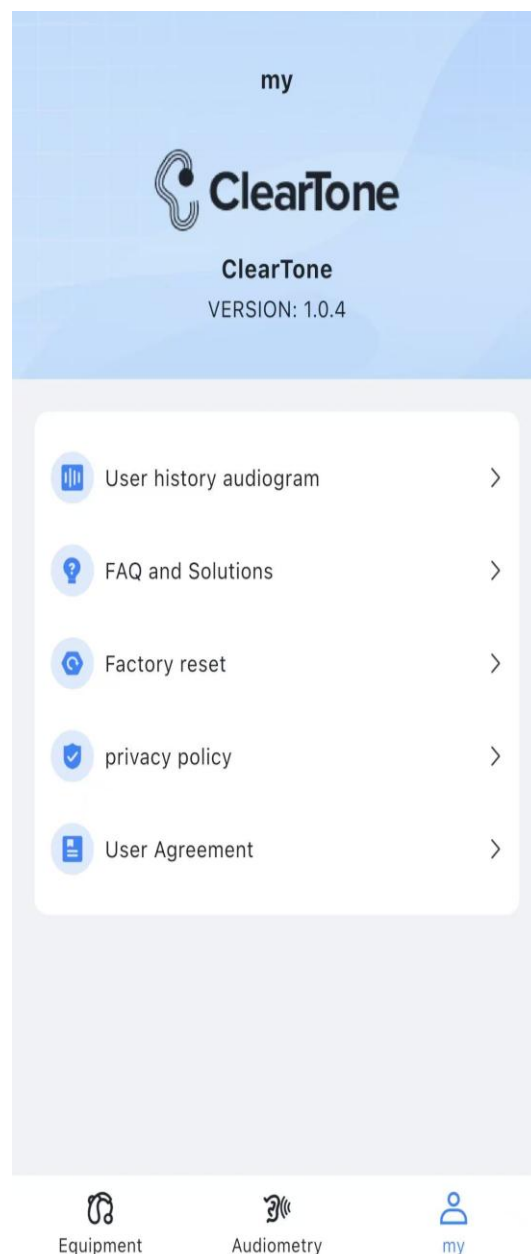
① User historical audiogram :
Historical tested audiogram can be viewed.

② FAQ and Solutions: Users can find the problems they encounter during use and the corresponding solutions here.

③ Factory reset: Delete all the data and records in the app.

④ Privacy policy: Please enter the app for details.

⑤ User Agreement: Please enter the app for details.



CHARGING YOUR DEVICE

1.Charging the Charging Case

CHARGE TIME: 2–3 hours

Plug the Type-C cable into the charging port and connect the Wall Adapter to an outlet. For first time use, it is recommended to charge for 3 hours until the charging indicators turn on.



2.Charging The hearing aid

CHARGE TIME: 2–3 hours

Insert the hearing aid units into the Charging Ports. The left ear unit should be in the charging port marked L. The right ear unit should be in the charging port marked R.

Charging Case contains 30 hours of charge time when fully charged. The Charging Case can charge the hearing aids up to 3 times after being fully charged.



CLEANING YOUR DEVICE

1. Cleaning The Device

Remove the Ear Domes from the hearing aid, use the Cleaning Brush to remove any earwax or debris from the device's components and the Charging Case.



1.1 Cleaning Your hearing aid

①. Use a soft cloth or tissue to clean the body of the hearing aid. This includes the push buttons, charging contacts and ear pieces. Do not use alcohol, water or other cleaning solvents to clean the hearing aid as it may damage them.

②. Regular cleaning is necessary.

2. Replace Ear Domes

①. Hold the Ear Dome and hearing aid with your left and right hands respectively to separate the Ear Dome from the hearing aid.

②. Take the Ear Dome off & make sure to clean any ear-wax buildup under the ear dome.



3. Product Care Continued

①. Change your wax guards every 2-4 weeks.

②. Keep your hearing aids and charging case clean. Extreme temperatures (hot or cold), moisture, and foreign substances may damage the product.

③. Regular cleaning is necessary.

④. Charging contact points should always be kept clean and dry.

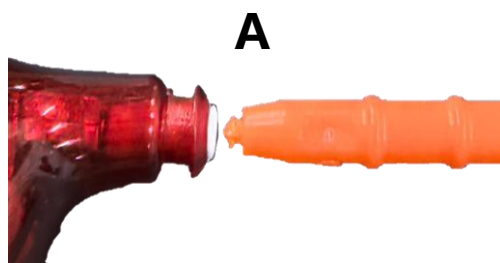
⑤. Use the provided cleaning brush to keep the charging ports clear of dust or dirt.

4.Replacing The Wax Guards

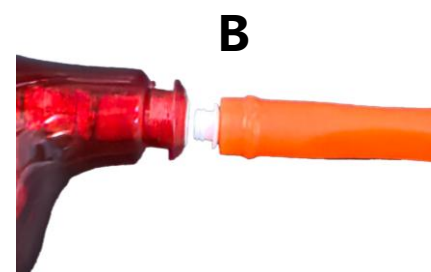
1. Change your Wax Guards every 2-4 weeks.
2. Remove the Ear Domes & locate the Wax Guard Replacement Kit.



Use the A end of the Wax Guard Replacement Tool to remove the old Wax Guard from your hearing aid.



Flip the tool over, then use the B end of the Wax Guard Replacement Tool to install a new Wax Guard in.



TROUBLESHOOTING

Feedback/Whistling

- 1.To resolve this, lower the volume and increase it slowly.
- 2.Ensure the earbuds on your device snugly fit your ear canal.
- 3.You may be accidentally putting pressure or obstructing the microphone when fitting the device. Do not worry. Once the device is secure in your ear, remove your hands and the whistling will stop.

No Sound/Not Working

- 1.Change your wax guards.
- 2.Clean all charging connectors, ensure there is nothing obstructing the charging port. Fully charge the device, then try using them again. Be sure that both devices are secure in their Charging Case,making a firm connection.
- 3.Remember that it's expected for your device to NOT feel normal for the frst few weeks. Focus on using your devices every day for a few weeks, and you will become acclimated to the device.

Technical Specifcations

Medium-power

Product Model	MAX OSPL90 (dB)	HFA OSPL90 (±4dB)	Full-on Gain (±5dB)	HFA FOG (±5dB)	THD at			Frequency Range (Hz)	Self-generated Noise (dB)	Battery Current Drain (mA)	Attack Time(mS)	Release time(mS)
					500Hz	800Hz	1600Hz					
BL90NW	≤115	110	35	30	≤10%	≤10%	≤10%	F1≤200Hz F2≥4000Hz	≤32	≤3.5	≤500	≤1500

Production Date & Product Life

Power adapter

Input: 100–240VAC, 50–60hz
Output: 5VDC 1A, USB–A

That is, normal working time of the product. The product needs to be stored and used as required. After exceed–ing the specified service time, its expected that the function will be affected. (e.g unable to meet the requirements of product performance indicators, etc).The product life of hearing aids are 8 years.

Please see the label for the production date.

- Name of production enterprise/Name of after-sales service unit:
Xiamen ClearTone Hearing Technologies CO.,LTD
- Enterprise address: 9th Floor, No. 37 Houxiang West Road,
Haicang
District, XiamenCity,Fujian China
- Expiny date: 8 years
- Production date: See certificate or label
- Compile date: 2025.09.30
- Web:www.xmcleartone.com

- **FCC Caution:**
- **Part 15.19**
- 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.
- **Part 15.21**
- Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- **Part 15.105**
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. Verification of harmful interference by this equipment to radio or television reception can be determined by turning it off and then 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.
 - Consult the dealer or an experienced radio/TV technician for help.
- **FCC RF Radiation Exposure Statement:**
- 1.This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2.The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



ClearTone

THANK YOU