



ClearTone

USER MANUAL

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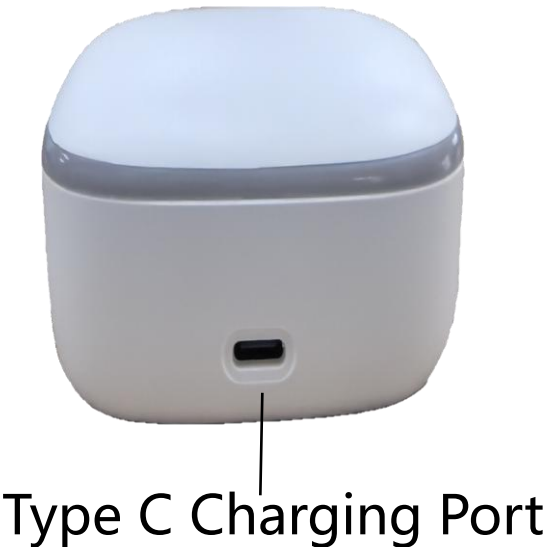
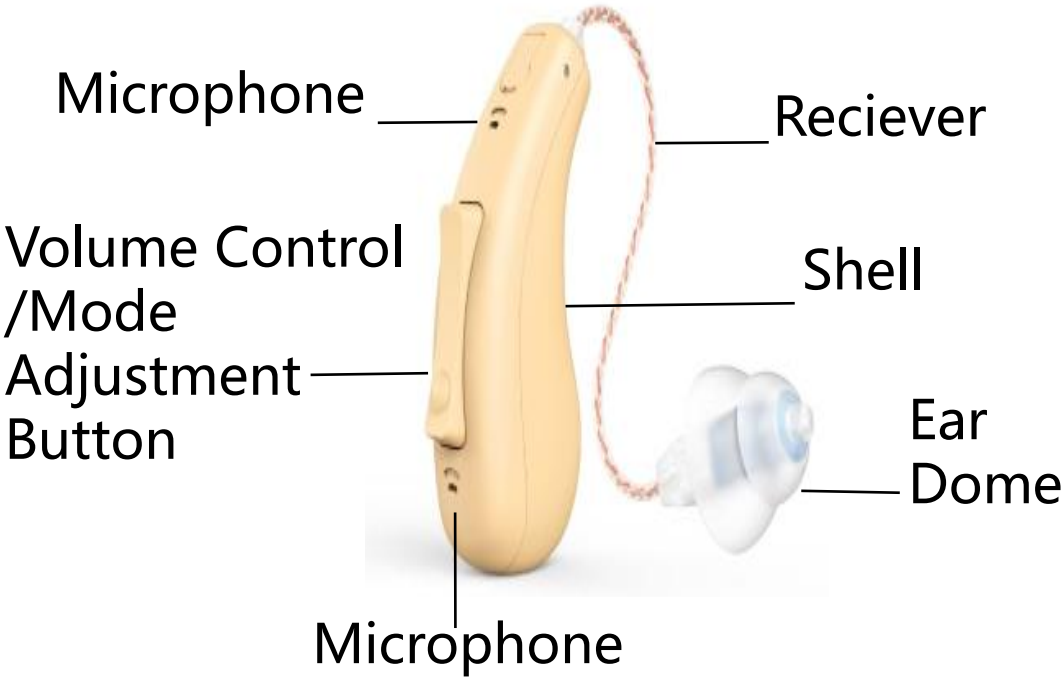
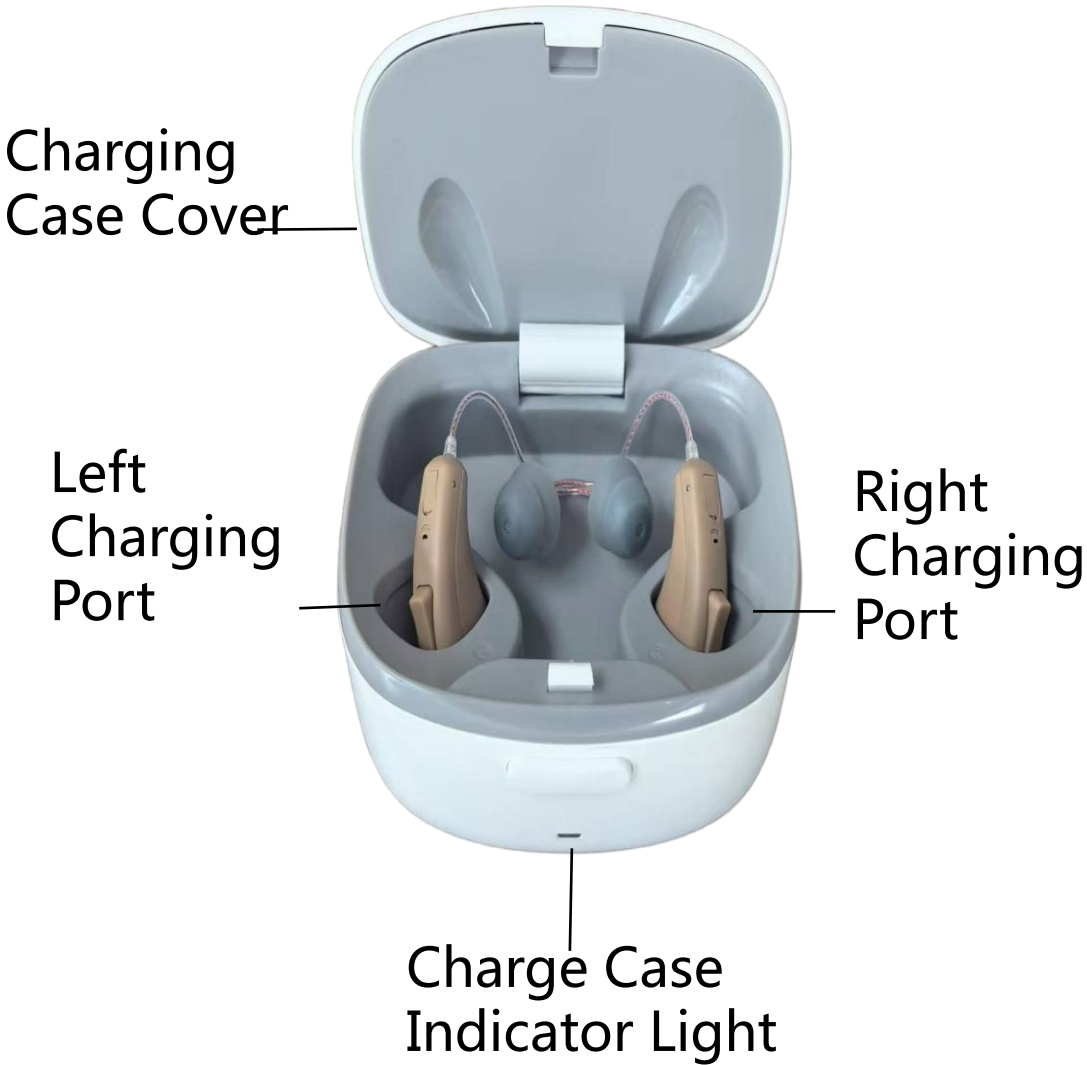
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DEVICE DIAGRAM



PACKAGE CONTENTS



Hearing Aids



Ear Domes



Cleaning Brush



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 Hearing aid. Take the time to find your optimal fit.

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

Rounded:



large



medium

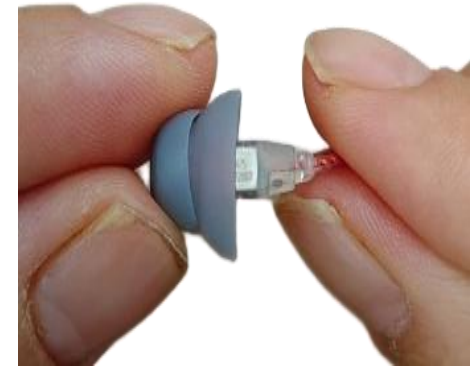


small

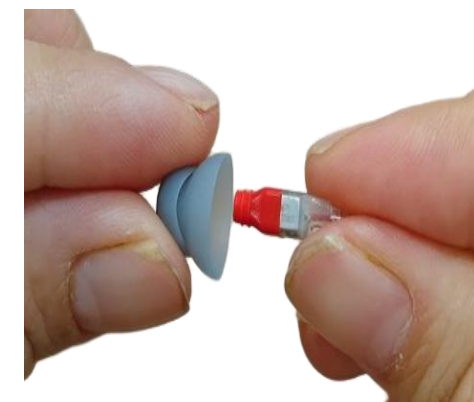
SETTING UP YOUR DEVICE

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.



SETTING UP YOUR DEVICE

3.Powering ON/OFF

Press & hold the upper key of the hearing aid volume up for 2-3 seconds to switch the machine on and off. When the machine is turned on, the green light stays on for 1 second, accompanied by the sound "Power On". When the machine is turned off, the blue light stays on for 1 second, followed by the sound "Power Off".

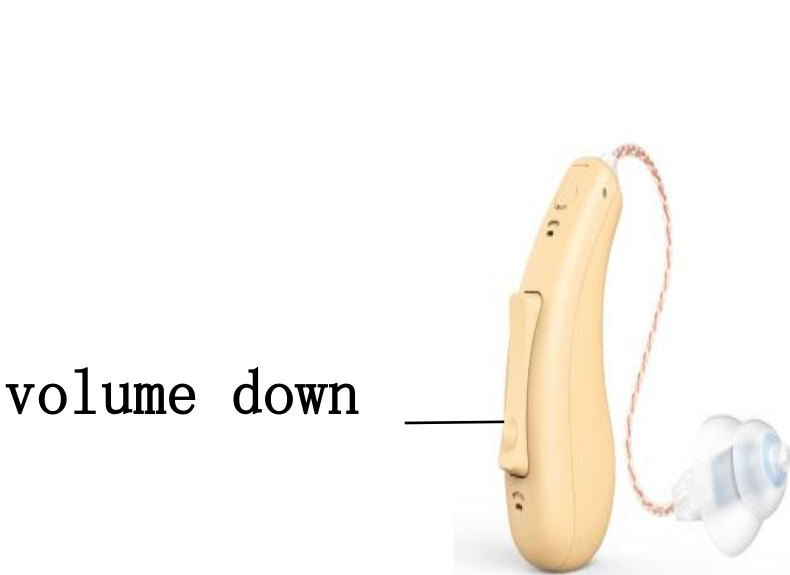
volume up _____



SETTING UP YOUR DEVICE

4.Switching between Modes

Press & hold the volume down 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.



- M1 Common 1 Chime
- M2 Restaurant 2 Chimes
- M3 Traffic 3 Chimes
- M4 Outdoor 4 Chimes

SETTING UP YOUR DEVICE

5.Wear a hearing aid

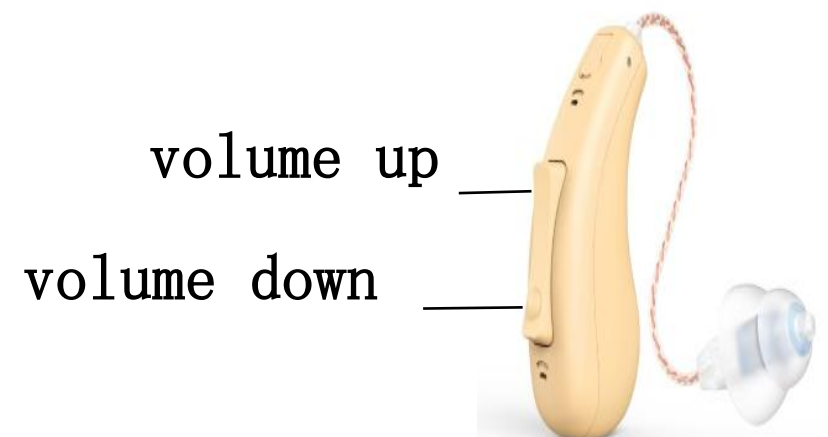
Step 1: Gently put the hearing aid over your ear until it rests securely behind your ear.

Step 2: Push the ear tube into your ear canal until it is snug and comfortable.



6.Adjusting Volume

BL98NAW/BL98PNAW/BL98UNAW: To adjust volume, tap (volume up) or (volume down) for 1 second. Each volume level is denoted by a single beep. Max/Lowest volume are indicated by a 2 beep, There are 10 volume levels. There will be a five tone beep sound when the battery is low.



7.CHARGING INDICATOR



When the hearing aid is placed in the charging case, the charging case indicator light will light up for 5S according to the battery level of the charging case, the blue light indicates that the battery is low, and the green light indicates that the battery is sufficient.

When the hearing aid is placed in the charging case, both the charging case and the hearing aid indicator light remain on, and the charging case indicator light goes out after 5 seconds. If the hearing aid is not fully charged, the blue light will turn on, and if it is fully charged, the green light will turn on. When all hearing aids are fully charged, the indicator light will turn off. At this point if you take out one of the hearing aids, the charging case will wake up and the charging indicator light will turn on for 5 seconds and turn off.

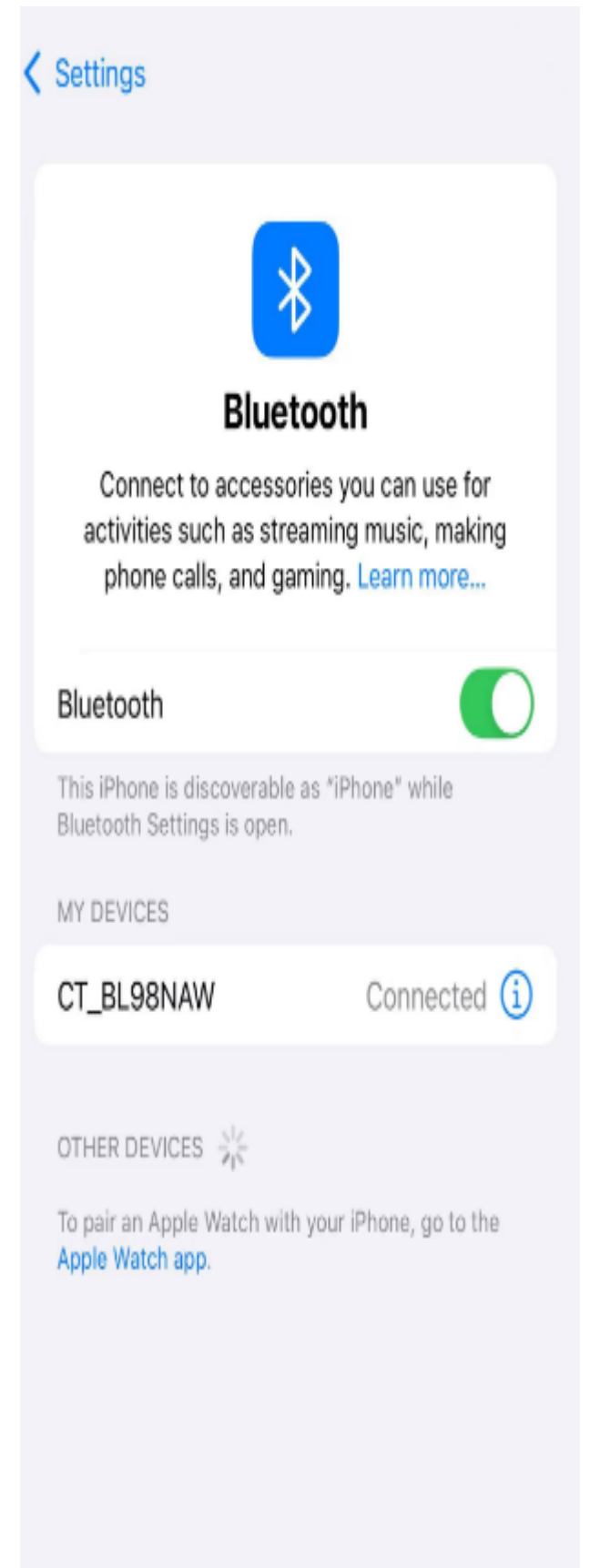


Bluetooth Pairing Guide

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

2、Take out one of the hearing aids: When we put the hearing aids into the charging case, it will power off automatically.

3、Power on and pair: First, take out one of the hearing aids and hold down the volume plus button for 7 seconds until you hear a beep “pairing” and see the blue and green indicator lights flashing rapidly alternately. Then release the button. Then the “Avliable devices” on your Bluetooth will show “CT_BL98NAW”, then click it to connect, After a successful connection, there will be a voice prompt saying “Connected”. Then, take out the other hearing aid and turn on the power. After turning on the power, it will automatically connect to Bluetooth.



volume up —



Music mode/Phone call function

1、Music mode

When the hearing aid is connected to Bluetooth, it can play music. If the music stops playing, it will automatically switch to the hearing aid mode.

2、Phone call function

When the hearing aid is connected to Bluetooth, you can answer and hang up the phone.

Note:

① When the devices are powered on but not paired with the bluetooth, it will enter a low-power mode after 1 minute. At this time, the APP cannot detect the machine. To wake up the devices, you need to short-press the up/down buttons. (It is recommended to turn off the phone's Bluetooth function if you don't need to listen to music or control the APP during use, which can increase the machine's battery life.)

② The device defaults to the hearing aid mode upon startup. When there is music playback, it will automatically switch to the music mode. When there is an incoming call, it will automatically switch to the phone mode.

Device APP

1、Download the App

① Scan the right QR code With your phone's browser and download different system apps from the phone. please do not click on any other pop-up paid advertisements (otherwise you will be taken to the next step of adding a credit card and paying). Scroll down to find the app you want to install and click "Install" to proceed.

Iphone:



Android:



Device APP

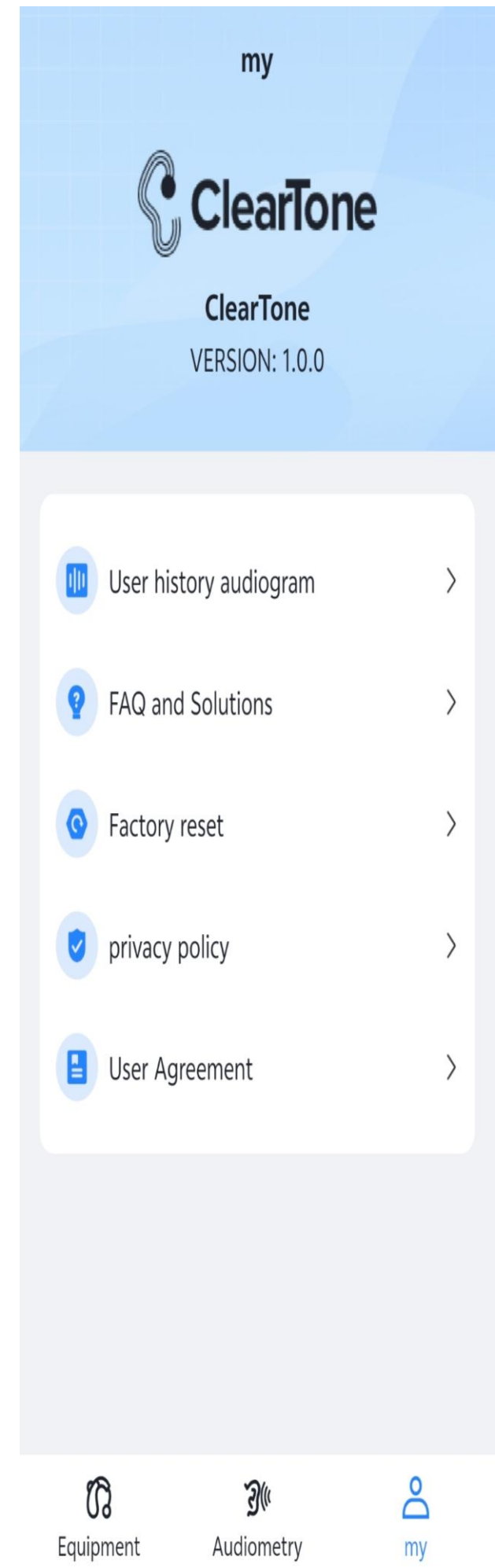
② Iphone user also can search for the “infiniwave” app in the app store. Please see the following image for reference.



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

BL98NAW

L: 100%

R: 100%

re-pair

Disconnect

Volume Adjustment

Left 8 gears

Right 8 gears

Scene Mode

Universal Universal

Equalizer A...

Low Mid... High

Equipment

Audiometry

my

Mode Selection

Left

Right

Common Mode

Left

On

Common Mode

Right

On

Restaurant Mode

Left

Off

Restaurant Mode

Right

Off

Traffic Patterns

Left

Off

Traffic Patterns

Right

Off

Outdoor Mode

Left

Off

Outdoor Mode

Right

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

4

APP Operation Guide

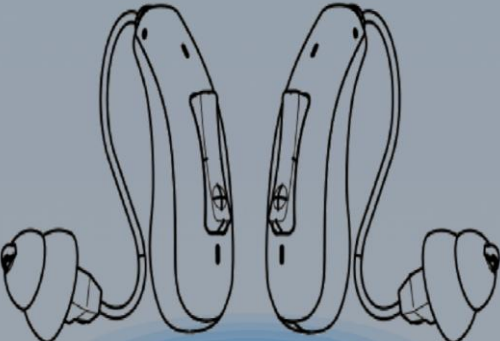
1、 Pairing Devices

After bluetooth paired, 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





● Device not Connected

How to Pair Devices

1. Keep your device powered on

 .. 

"Infiniwave" wants to find and connect to nearby devices

Allow

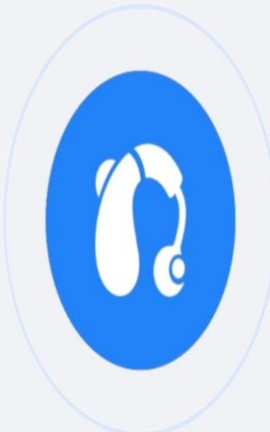
Don't allow

Equipment

Audiometry

my

 Search Device



Searching for Nearby Devices...

 Device Model:
CT_BL98NAW_L
8A:3D:E8:21:BB:47

Left | Right

Connect Devices

 Device Model:
CT_BL98NAW_R
35:F2:C3:A3:EF:08

Left | Right

Connect Devices

 Search Device



Select connected device

 Left Ear

 Right Ear

 Device Model:
CT_BL98NAW_R
35:F2:C3:A3:EF:08

Left | Right

Connect Devices



BL98NAW

L: 100%

R: 100%

re-pair

Disconnect

Volume Adjustment

Left 8 gears

Right 8 gears

Scene Mode

Universal Universal

Equalizer A...

Low Mid... High

Equipment

Audiometry

my

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

BL98NAW

L: 100% R: 100%

re-pair Disconnect

Volume Adjustment

Left 6th gear Right 6th gear

Scene Mode Equalizer Adj...

Universal Universal Low Mid... High

re-pair Disconnect

Volume Adjustment

Left 6th gear Right 6th gear

Scene Mode Equalizer Adj...

Restau... Restau... Low Mid... High

Equipment Audiometry my

BL98NAW

L: 100% R: 100%

re-pair Disconnect

Volume Adjustment

Left 6th gear Right 6th gear

Scene Mode Equalizer Adj...

Restau... Restau... Low Mid... High

Equipment Audiometry my

Mode Selection

Left Right

Common Mode Common Mode

Left Right

Off Off

Restaurant Mode Restaurant Mode

Left Right

On On

Traffic Patterns Traffic Patterns

Left Right

Off Off

Outdoor Mode Outdoor Mode

Left Right

Off Off

Mode Selection

Left Right

Common Mode Common Mode

Left Right

On On

Restaurant Mode Restaurant Mode

Left Right

Off Off

Traffic Patterns Traffic Patterns

Left Right

Off Off

Outdoor Mode Outdoor Mode

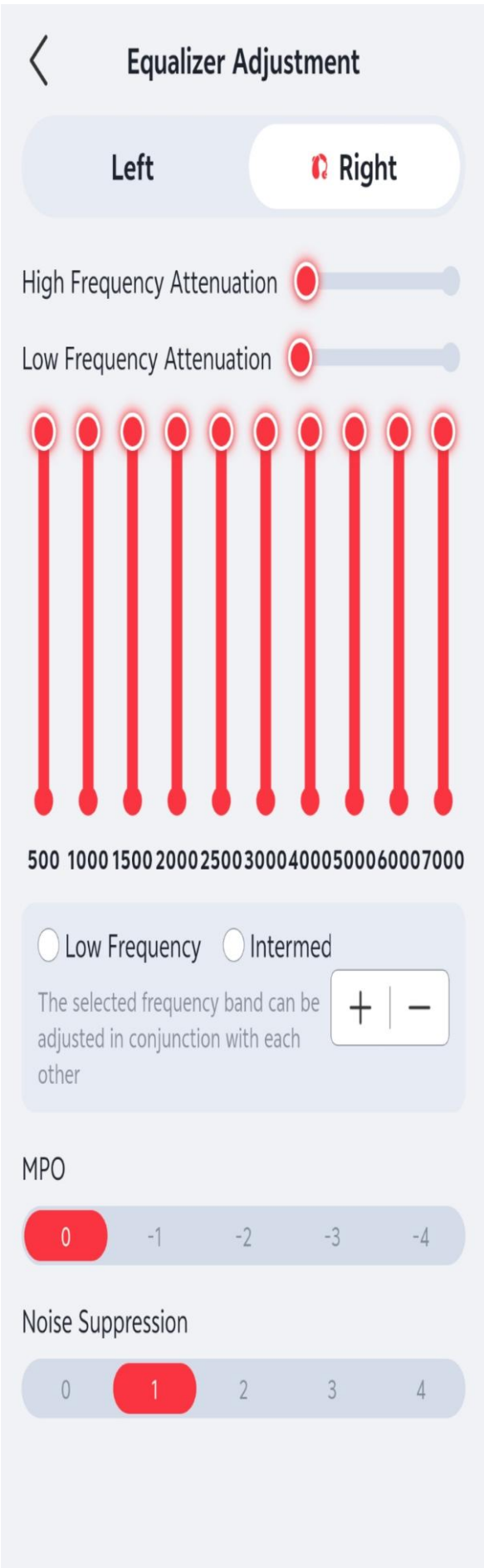
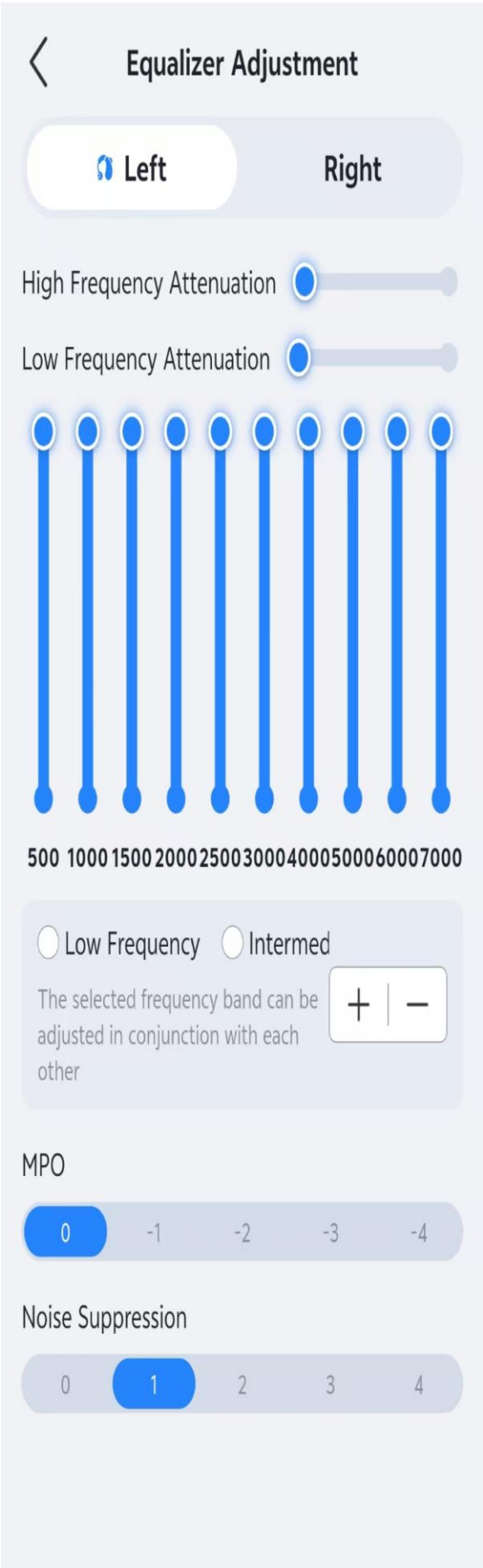
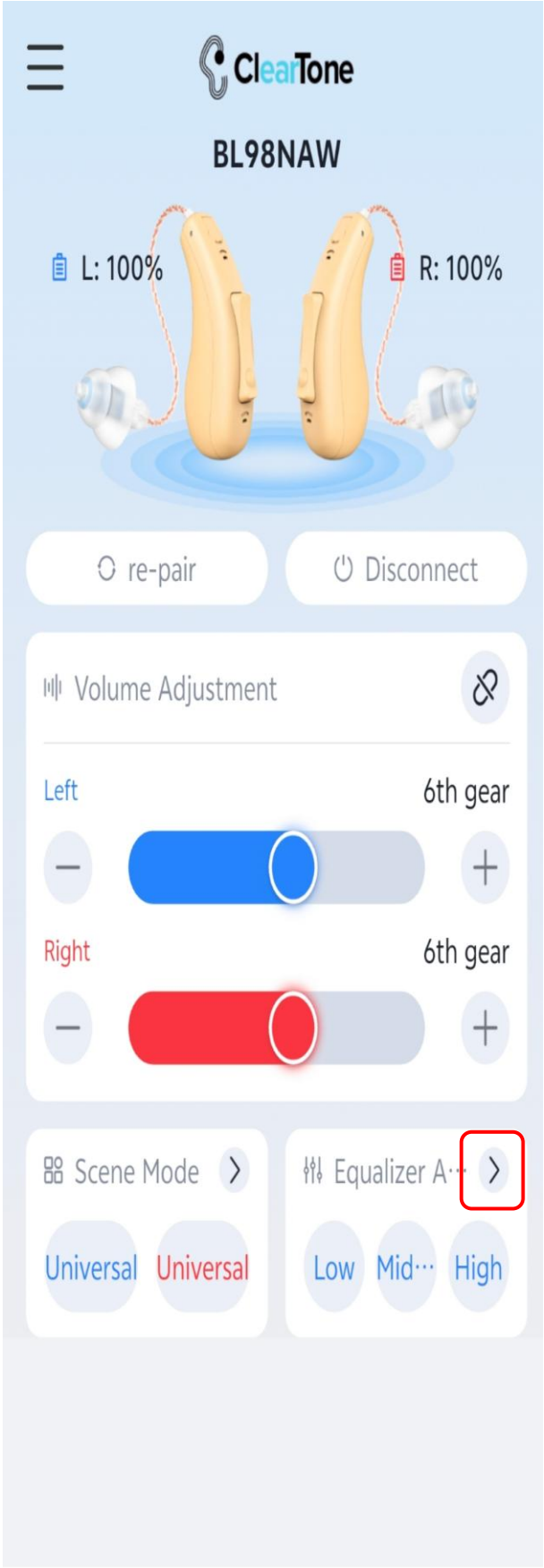
Left Right

Off Off

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

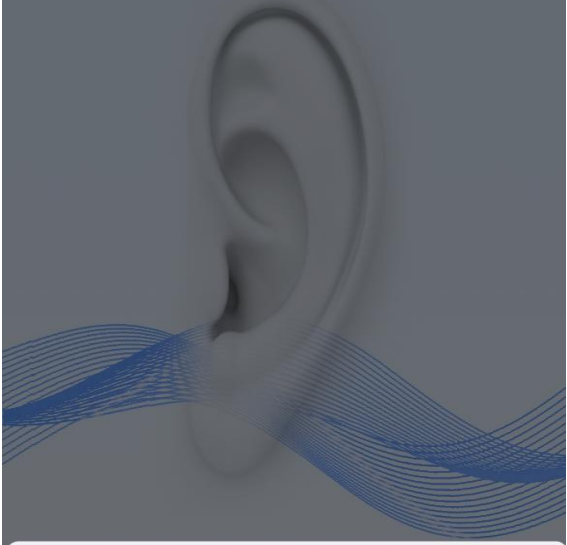
4、Hearing Test

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

ClearTone



Please wear hearing aids or headphones

Take a 5-minute listening test to get your audiogram



Both Ears

Test the hearing of the right ear first, then the hearing of the left ear



Right Ear

Only test the hearing of the right ear



Left Ear

Only test left ear hearing

Start test

Retest

Testing Left Ear

Beep is playing, can you hear it?

250HZ

25db

Heard

Didn't Hear

Retest

Testing The Right Ear

Beep is playing, can you hear it?

250HZ

25db

Heard

Didn't Hear

Retest

Hearing Results



Audiogram

(Online audiometry)

Left Ear

Right Ear

0

10

20

30

40

50

60

70

80

90

100

110

120

db

Hz 250

500

1k

2k

3k

4k

6k

Average level of hearing loss

Normal

Mild

Moderate

Severe

Extremely Severe

Left

Normal

Normal

Mild

Moderate

Severe

Extremely Severe

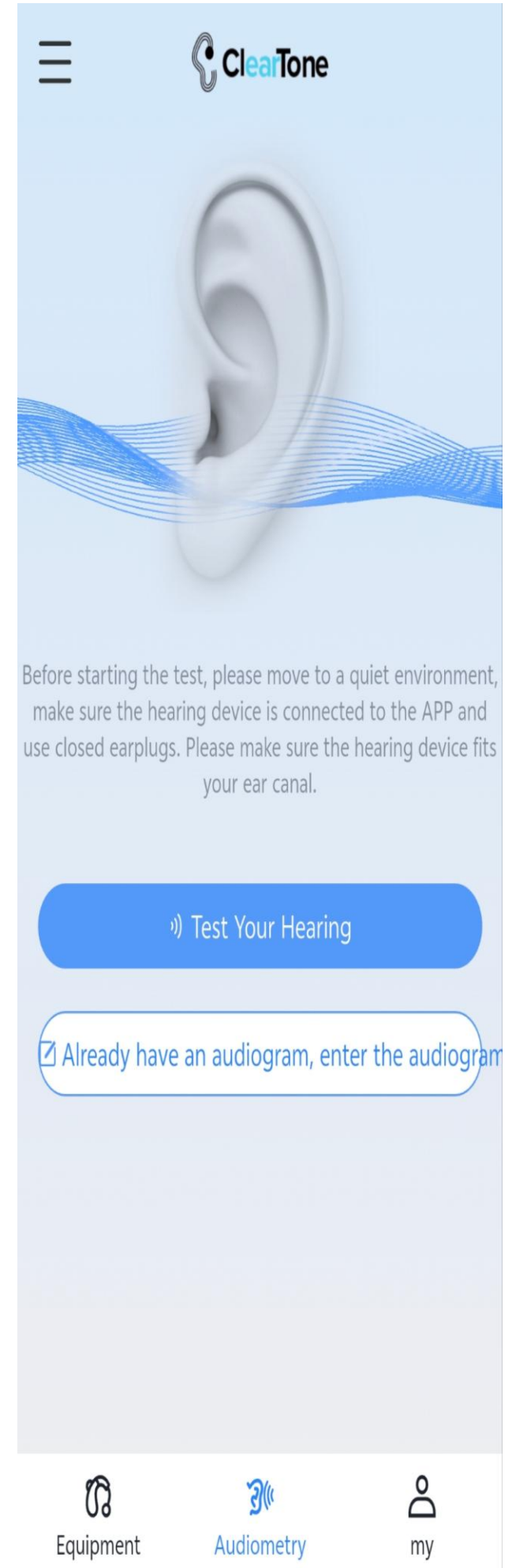
Right

Normal

Save Report

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

09:42

71

<

Enter audiogram

Left

Right

250Hz

25

500Hz

40

1000Hz

50

2000Hz

55

3000Hz

56

4000Hz

65

6000Hz

60

Audiogram

Right Ear

0

10

20

30

40

50

60

70

80

90

100

110

120

db/

Hz

250

500

1k

2k

3k

4k

6k

Get an audiogram

09:42

71

<

Enter audiogram

Left

Right

250Hz

40

500Hz

76

1000Hz

73

2000Hz

42

3000Hz

40

4000Hz

50

6000Hz

60

Audiogram

Left Ear

0

10

20

30

40

50

60

70

80

90

100

110

120

db/

Hz

250

500

1k

2k

3k

4k

6k

Get an audiogram

09:47

71

<

Hearing Results

Retest

Audiogram

2025-08-20 09:41

Audiogram

(Online audiometry)

Left Ear

Right Ear

0

10

20

30

40

50

60

70

80

90

100

110

120

db/

Hz

250

500

1k

2k

3k

4k

6k

Average level of hearing loss

Moderate

Mild

Severe

Extremely Severe

Normal

Left

Moderate

Moderate

Mild

Severe

Extremely Severe

Normal

Right

Moderate

Save Report

APP Operations Guide

5、my

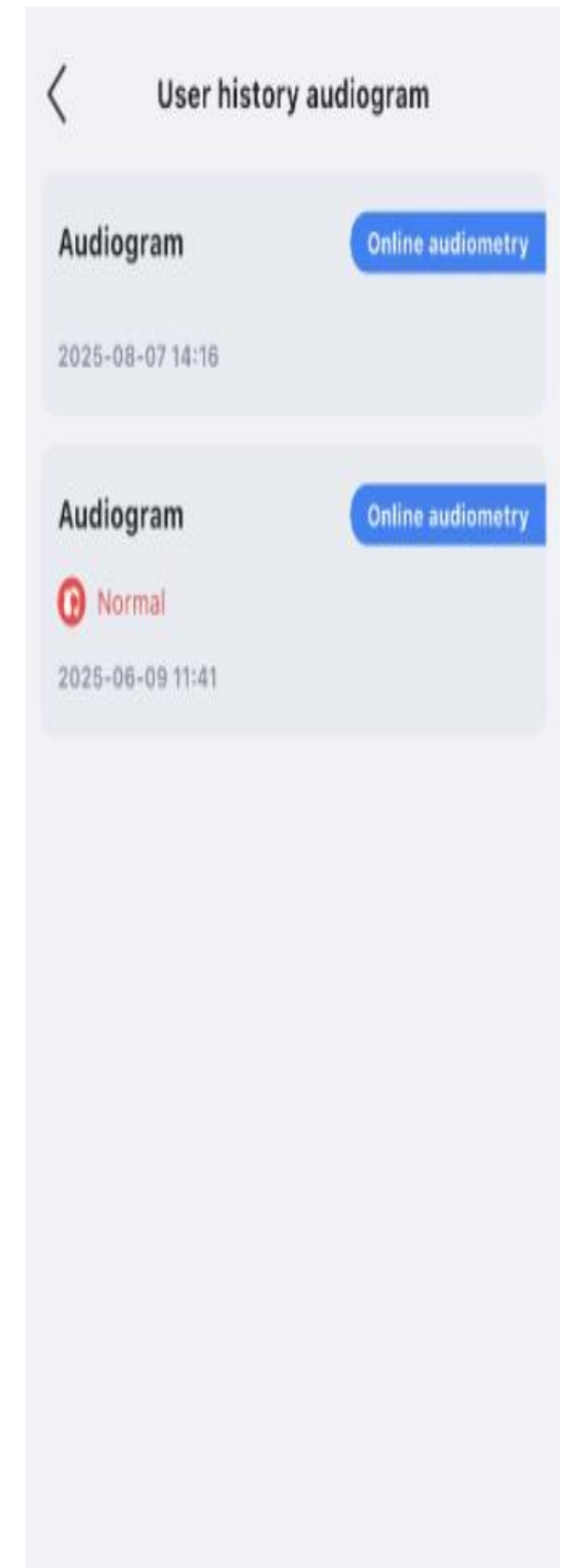
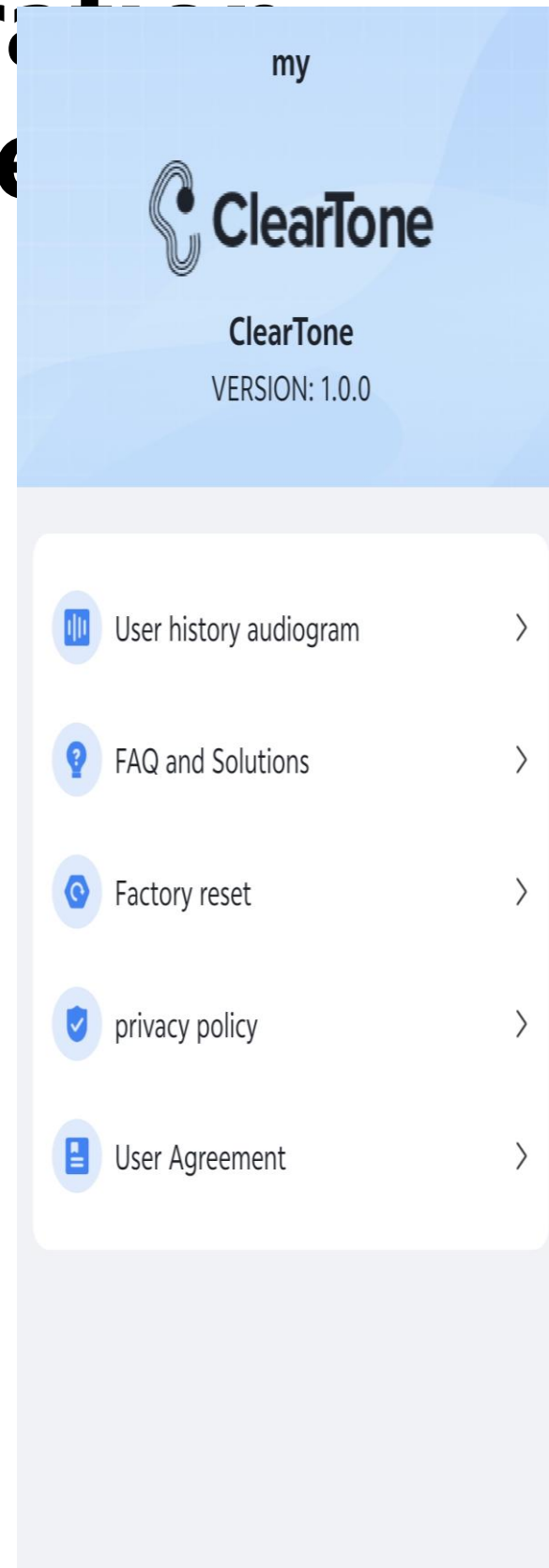
① **User historical audiogram:** Historical tested audiogram can be viewed.

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. When the green indicator light of the charging case is on, it means that it is fully charged.



2.Charging The hearing aid

Put the hearing aid into the charging ports. The left ear unit (blue tip) should be in the charging port marked L. The right ear unit (red tip) should be in the charging port marked R. When the green indicator light of the hearing aid is on, it means that it is fully charged.



Charging Case contains 30 hours of charge time when fully charged. The Charging Case can charge the hearing aids up to 3-4 times after being fully charged. Music streaming time: 9-10 hours.

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.

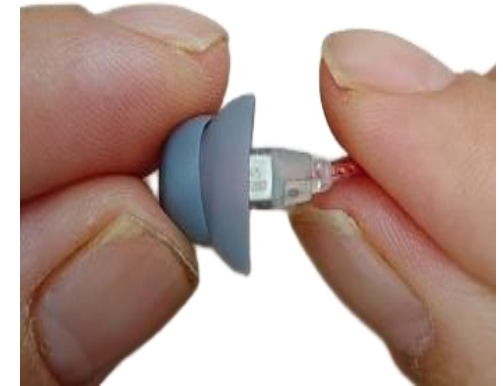
② Regular cleaning is necessary.

CLEANING YOUR DEVICE

2. Replace Ear Domes

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

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.

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.
- 4.The earplugs may not fit your ear canal. You can try different sizes of earplugs.

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					
BL98NAW	≤120	110	40	34	≤10%	≤10%	≤10%	F1≤200Hz F2≥4000Hz	≤32	≤3.5	≤500	≤1500

Standard-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					
BL98PNAW	≤125	114	45	40	≤10%	≤10%	≤10%	F1≤200Hz F2≥4000Hz	≤32	≤3.5	≤500	≤1500

High-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					
BL98UNAW	≤132	120	60	55	≤10%	≤10%	≤10%	F1≤200Hz F2≥4000Hz	≤32	≤3.5	≤500	≤1500

Technical Specifications

Power adapter

Input: 100–240VAC, 50–60hz

Output: 5VDC 1A, USB-A

Production Date & Product Life

That is, normal working time of the product. The product needs to be stored and used as required. After exceeding 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.

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.

- Name of production enterprise/Name of after-sales service unit:
Xiamen ClearToneHearing 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



ClearTone

THANK YOU