



IQbuds2

PRO

Hearing Aid Instructions for Use

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Intended Use

Nuheara™ IQbuds™ 2 PRO hearing aids are a pair of user-fitted wireless air conduction hearing aids intended to amplify sound for use by individuals with perceived mild to moderate hearing impairment.

Indications For Use

The IQbuds 2 PRO hearing aid is intended to amplify sound for individuals 18 years of age or older with perceived mild to moderate hearing impairment. It is adjusted by the user to meet the user's hearing needs. No pre-programming or hearing test is necessary. The device is intended for direct-to-consumer sale and use without the assistance of a hearing care professional.

Important Safety and Health Information



It is very important to read this user manual and the safety, warnings, and regulatory information thoroughly and completely. Follow safety instructions to avoid damage or injury.

This product may help you hear better if you:

- Struggle to follow conversations when others don't, especially in noisy places.
- Have trouble understanding the TV.

This product may not be right for you if:

- You consistently experience feedback with the IQbuds 2 PRO hearing aid when you turn up World Volume to a comfortable listening level after you have fit the hearing aids correctly (see "Selecting the Best Ear Tip" and "Fitting the IQbuds 2 PRO hearing aid") and have followed the suggestions in the Troubleshooting section.
- You feel the hearing aid is not providing enough amplification even at the highest World Volume setting.

A hearing health care professional may be able to help you select a different hearing aid solution to meet your needs.

You should see a hearing health care professional prior to purchasing IQbuds 2 PRO if you:

- Have a visible deformity of the ear.
- Have a current ear infection or a history of active discharge from one or both ears within the past 90 days.
- Have sudden or rapid progression of hearing loss within the past 90 days in one or both ears.
- Have acute or chronic dizziness, poor dexterity, poor vision, or significant dementia.
- Suspect that you have significant earwax accumulation or a foreign object in the ear canal. Symptoms of significant earwax accumulation can include itching in your ear, a feeling of fullness in your ear, and/or reduced hearing.
- Experience pain or discomfort in the ear.
- Have a noticeable difference in hearing between ears.
- Have sudden onset or rapid worsening of tinnitus (ringing in the ear) in one or both ears within the past 90 days.

This product will not restore normal hearing and will not prevent or improve a hearing impairment resulting from organic conditions. This product is designed to help you make greater use of your

remaining hearing ability. You should keep in mind that it can take time to become accustomed to hearing new sounds.

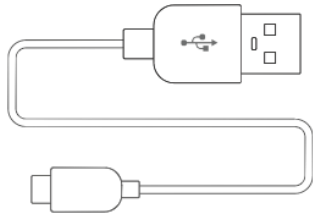
For best results, practice using the hearing aids as much as possible. In most cases, infrequent use of the hearing aids doesn't permit you to attain full benefit from them.

It is good health practice for a person with hearing loss to have a medical evaluation by a licensed physician (preferably a physician who specializes in diseases of the ear). Licensed physicians who specialize in diseases of the ear are often referred to as otolaryngologists, otologists or otorhinolaryngologists. The purpose of a medical evaluation is to ensure that all medically treatable conditions that may affect hearing are identified and treated.

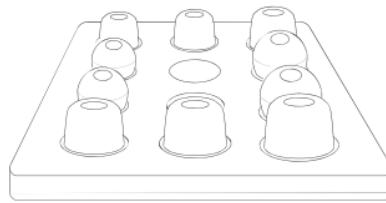
Special Needs

Users with special needs or those requiring auxiliary help, should contact their caregiver or healthcare provider for additional assistance.

In The Box



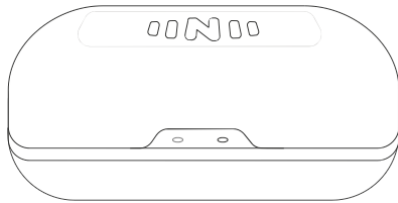
USB Charge Cable



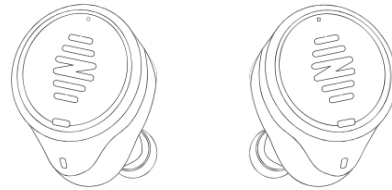
Ear Tip Tray



Carry Bag



Charge Case



IQbuds 2 PRO hearing aids



Cleaning Brush

Compatible Accessories, Sold Separately

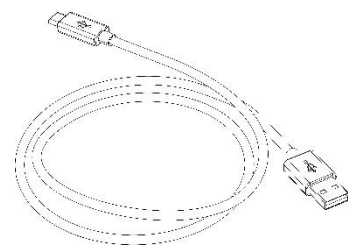
AC Plug Pack to USB 2.0 Charger

CUI SWM6-5-NH-I38 (Nuheara part number NU412) AC plug pack to USB 2.0 charger is sold separately.



USB-A to USB-C Cable

Replacement USB-A to USB-C charging cable (Industry standard cable, not for resale from Nuheara except under warranty).



Warnings, Precautions and Safety Considerations



For safe and effective operation of the IQbuds 2 PRO hearing aid, please familiarize yourself with the following information. Please read and keep all safety and use instructions.

Note: The IQbuds 2 PRO hearing aid is designed for personal and home health environment use.



Warnings

1. Use appropriate hearing protection in loud environments. Nuheara IQbuds 2 PRO hearing aids do not function as hearing protection devices.
2. Remove the hearing aids from ears if you encounter overly loud sounds or they become uncomfortable.
3. Check before using the hearing aids in areas where electronics or wireless devices are restricted. This may cause interference. [
4. Do not resell the hearing aids or share them with others. They are a personal device intended for use by a single user.
5. Do not submerge the hearing aids or Charge Case in water, wear in the shower, or wear while participating in water sports, e.g., swimming, waterskiing, surfing, etc. Exposure to water may damage the hearing aids.
6. Keep the product away from fire and excessive heat (e.g., from storage in direct sunlight, near candles, or in a hot car) to avoid burns or damage to product.
7. IQbuds 2 PRO hearing aids and Charge Case should not be used in temperatures exceeding 104°F (40°C), placed on surfaces that exceed these temperatures, or used when conditions are expected to exceed these temperatures. Doing so could result in overheating, fire or injury.
8. The hearing aids do not comply with requirements for explosive or oxygen-enriched atmospheres. Do not use the hearing aids in such areas.
9. Check first before using the hearing aid system in areas where electronics or wireless devices are restricted.



EMC Warnings

- Do not use near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.
- Do not change any cable without authorization of the manufacturer. Use of cables other than those specified or provided by the manufacturer of this appliance could result in increased electromagnetic emissions or decreased electromagnetic immunity of this appliance and result in improper operation.
- Use of this appliance adjacent to or stacked with other device should be avoided because it could result in improper operation. If such use is necessary, this appliance and the other device should be observed to verify that they are operating normally.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the IQbuds 2 PRO hearing aid, including cables specified by the manufacturer. Otherwise, degradation of this equipment could result.
- For maintaining the basic safety and essential performance with regard to electromagnetic disturbances for the expected service life, please take precautions if the use location is near (e.g. less than 1,5 km from) from AM, FM or TV broadcast antennas.



- This product generates magnetic fields that could cause interference with cardiac pacemakers, implanted defibrillators (ICD's) and other implants. Always maintain at least 10-cm (3.94") between the hearing aids and / or charge case and the implanted cardiac device.



Modification Warnings

- WARNING: No modification of this equipment is allowed.
- WARNING: Do not modify this equipment without authorization of the manufacturer.
- WARNING: If this equipment is modified, appropriate inspection and testing must be conducted to ensure continued safe use of the equipment.

Batteries



- Nuheara IQbuds 2 PRO hearing aids and the Charge Case include rechargeable lithium ion polymer batteries. Do not attempt to replace the IQbuds 2 PRO hearing aid batteries or the Charge Case battery. You could damage the battery which could cause overheating, fire or injury.
- Batteries in this product are not serviceable. At end of life when batteries no longer hold a satisfactory amount of charge, dispose of IQbuds 2 PRO hearing aids and Charge Case at a battery/electronic waste collection centre.
- IQbuds 2 PRO hearing aids and Charge Case should not be recharged in temperatures exceeding 104°F (40°C), or when conditions are expected to exceed these temperatures. Doing so could result in overheating, fire or injury.
- If abused or misused, the rechargeable batteries may leak, in extreme cases they may even present a risk of explosion, fire development, heat generation, smoke or gas development.

Charge Case Rated Voltage

- The rated input voltage range for the Charge Case is 4.40V to 5.25V (1.1A)
- This product was designed and tested to be used with the power supply provided (CUI Incorporated, model SWM6-5-NH-I38). Please contact Nuheara Customer Service for additional information by emailing care@nuheara.com. Ensure any power source used to power the Charge Case meets the requirements detailed in the table below.

Charge Case Power Source Technical Specifications	
Input Voltage	100 to 250V AC
Input Frequency	50 / 60 Hz
Output Voltage	5.0V
Output Current	1.2A or greater
Operating Temperature Range	32°F to 104°F (0°C to 40°C)
Safety	Meets the requirements of IEC60601
	Meets the requirements of FCC Part 15B Class C
	Over voltage and short circuit (over current) protections



Precautions or Cautions



- Keep the product, accessories and packaging out of the reach of children and pets to prevent accidents such as choking or swallowing.
- If hearing aid(s) feels overheated, remove from ears and do not place in Charge Case
- Hearing aids and Ear Tips can lead to ear irritations if not properly cleaned. Perform required maintenance on Ear Tips regularly. If skin problems develop, discontinue use and consult with a doctor.
- Ear Tips are designed to sit comfortably in your ear and should not be forced into your ear at any time. If you experience discomfort or pain, remove from the ear and try an alternative Ear Tip from the selection provided with the hearing aids. If no suitable Ear Tip is found after trying all Ear Tips provided, discontinue use.
- IQbuds 2 PRO hearing aids are designed to be worn with Ear Tips attached. Do not attempt to insert the hearing aids into your ears without Ear Tips attached. See section ‘Fitting the IQbuds 2 PRO hearing aid’ for instructions.
- IQbuds 2 PRO hearing aid Ear Tips are designed to be interchangeable and removable. Before fitting the hearing aids to your ears ensure the Ear Tips are firmly and securely mounted on the hearing aid. Failure to do so may result in the Ear Tip becoming dislodged in the ear. See section ‘Fitting the IQbuds 2 PRO hearing aid’ for instructions.
- Do not use if packaging is damaged before opening.
- Inspect Ear Tips for damage before fitting to the hearing aids and before fitting the hearing aids to the ear. Do not use if damage is present to the hearing aid or Ear Tip. Replacement Ear Tips can be purchased from Nuheara.
- Ear Wax may build up on the Ear Tips and hearing aid over time. Regularly inspect the Ear Tips and hearing aids for Ear Wax build up. If Ear Wax is present, follow the instructions in ‘Care and Maintenance’ to remove Ear Wax.
- Ensure Ears are dry and free from debris before fitting hearing aids to your ears.
- Hearing may be impaired when the hearing aids are placed in Nose Cancelling World Off Mode. Do not use World Off mode if awareness of environmental sounds is required.
- [Remove the hearing aids if you experience allergic reactions or skin irritations during prolonged exposure to the hearing aids.](#)
- [Do not use accessories, detachable parts, or materials not described in these instructions for use.](#)
- [Do not interconnect this equipment to other equipment not described in these instructions for use.](#)



Preventing damage and malfunctions to the product

- For safe operation do not submerge the product in liquid. Liquids entering the housing of the product damage the electronics.
- Avoid exposure to extreme temperature (for example: hairdryer, heater, in a car above 104°F (40°C) on a hot day).
- Do not store in direct sunlight.
- Avoid exposure to water and salt-water.
- Avoid exposure to sand and fine particulates.
- Avoid dropping the hearing aids and Charge Case as this can cause permanent damage.
- Avoid strong electromagnetic fields as they can damage the hearing aids.
- Perform regular maintenance of the hearing aids and the Charge Case as described below.
- Do not use this product if there are visible sharp edges, cracks, or damage to the housing.



Recommended Operating Conditions (Home Healthcare Environment)



- Operating temperature range: 32°F to 104°F (0°C to 40°C)
- Operating humidity: 0 - 95% RH
- Atmospheric pressure range: 70 kPa to 106 kPa



Recommended Transport/Storage Conditions

- Temperature Range: -13°F – 140°F (-25°C – 60°C)
- Humidity Range: 0 – 90% RH
- Atmospheric pressure range: 50 kPa – 106 kPa



Recommended Inventory Stocking Conditions (Optimised for battery life)

- Temperature Range: 59°F – 77°F (15°C – 25°C)
- Humidity Range: 0 – 85% RH
- Atmospheric pressure range: 70 kPa – 106 kPa

Time to warm from minimum storage temperature before use:

- 1 hour (ambient temperature 68°F or 20°C)

Time to cool from maximum storage temperature before use:

- 1 hour (ambient temperature 68°F or 20°C)

Charging the IQbuds 2 PRO Hearing Aids

The Charge Case stores and charges your IQbuds 2 PRO hearing aids when you place them in it. It provides a convenient way to charge your IQbuds 2 PRO hearing aids when out and about.



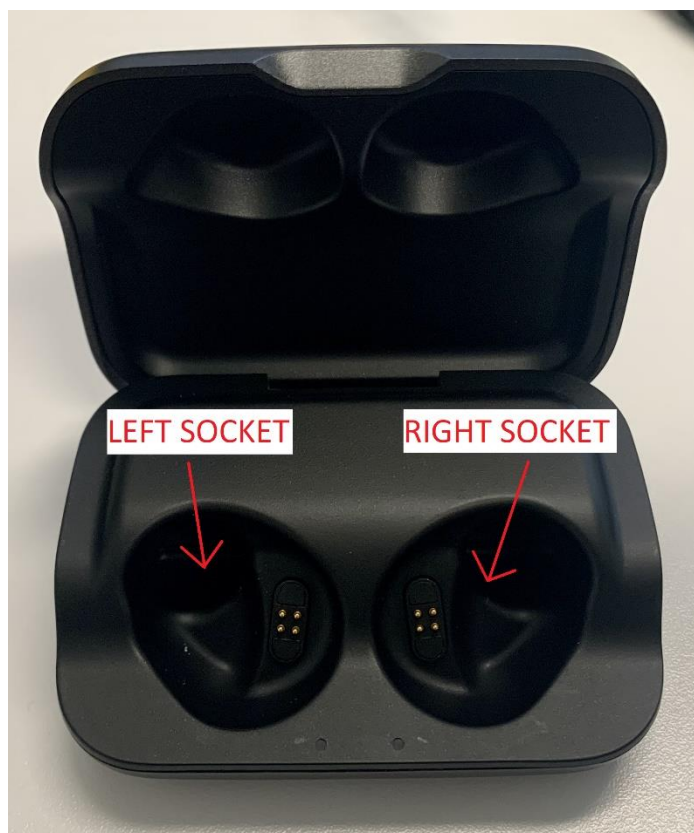
The Charge Case has an internal battery that can charge the hearing aids when they are in the Charge Case.

To recharge the Charge Case internal battery, plug the Charge Case into a 5V USB power source that meets the requirements detailed in 'Charge Case Rated Voltage'. The internal battery needs to have charge in order to charge the hearing aids.

To recharge the hearing aids, place them in the Left or Right socket in the Charge Case. The Charge Case will supply power to the hearing aids to recharge the internal batteries.

Ensure only the Left hearing aid is charged in the left socket. Ensure only the Right hearing aid is charged in the right socket. Do not attempt to charge the Left hearing aid in the Right Socket or the Right hearing aid in the Left socket. Ensure the Hearing Aids are securely seated in the charging sockets when recharging the hearing aids.

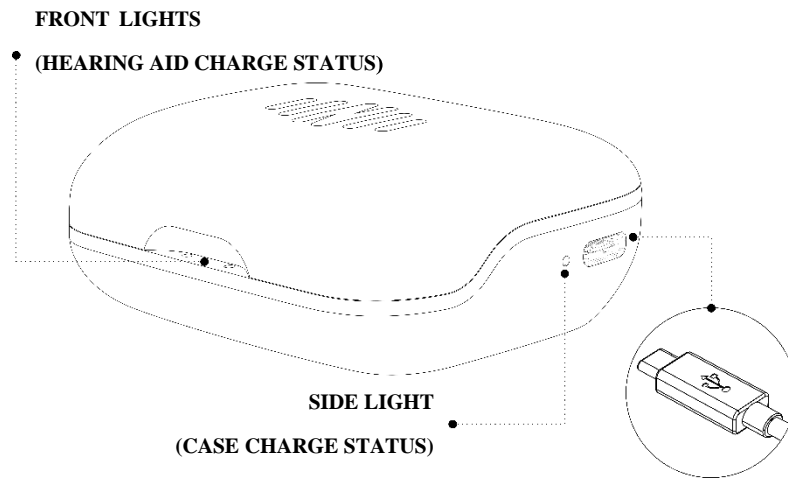
When charging the hearing aids and placing them in the Charge Case, align the gold contacts on the hearing aid with the gold contacts in the Charge Case. Ensure the Charge Case door is closed during charging.





Charge Case Lights Explained

The Charge Case has indicator lights to indicate the status of the charging process for the hearing aids and for the Charge Case itself.



What do the lights on the Charge Case mean?

Front Lights (Hearing aid Charge Status)	Side Light (Case Charge Status)	Side Light (When Charge Case is connect to power source)
● Green: IQbuds 2 PRO hearing aids are charged	● Green: Case holds more than 1 full charge of hearing aids	● Green: Charge Case charged
● Amber: IQbuds 2 PRO hearing aids are charging	● Amber: Case holds less than 1 full charge of hearing aids	● Amber: Charge Case charging

Please Note: When the hearing aids are in the Charge Case the lights will turn on when the case is opened or closed. The lights will then turn off after a few seconds to save the battery. The hearing aids must be in the Charge Case for the front lights to activate.

Battery Life & Recharge Time

Hearing aids Battery Life & Recharge Time (Single Charge)		
Up to 5 Hours of streaming media (Music and Video)	Up to 8 Hours of hearing features (World Volume, Ear ID™, etc.)	Recharge time: 120 minutes

Charge Case Battery Life and Recharge Time (Single Charge)	
Recharge hearing aids three (3) times	Recharge time: 120 minutes

Use only the USB Charge Cable supplied with the product to charge the Charge Case. The Charge Case should be charged using the recommended charging adapter connected to a USB power source CUI SWM6-5-NH-I38 (Nuheara part number: NU412). The Charge Case has lights that indicate different states.

Please Note: Hearing aid battery life may be reduced when using streaming media and hearing processing simultaneously. E.g., Listening to music while also using World Volume to amplify your environment.

Glossary

Terms in this table are used to describe important functions and items within this document.

Hearing aid Feature	Explanation of Feature
Active Dot	Drag the Active Dot around a circular dial on a phone screen to make changes to World EQ and SINC features in the Nuheara app.
ANC	Hybrid ANC (Active Noise Cancellation) actively attempts to block noise from your external environment and is automatically activated when World volume is off.
Ear ID	Self-assessment process in the Nuheara app used to analyse hearing and personalize the hearing aids for use.
Ear Tip	Silicone and Memory Foam Ear Tips for the hearing aids provided in small, medium and large sizes.
Feature Card	Touchscreen menu at the top of the World menu screen in the Nuheara app. Menu provides access to, and adjustments of, hearing aid features like Volume, World EQ, SINC and Focus.
Focus	Adjusts the directionality of the microphones in your hearing aids to hear more clearly directly in front of you.
Locations	Preconfigured Location profiles help to create the best hearing experience based on your environment.
Menu Bar	Touchscreen menu at the bottom of the Nuheara app screen providing access to main app features.
Nuheara app	Application available from nuheara.com/app and used to configure and adjust hearing aid features for use.
Pairing	The process during which the hearing aids are connected to a phone (or similar device) using wireless Bluetooth® technology, to allow configuration and adjustment using the Nuheara app.
SINC	SINC (Speech In Noise Control) is used reduce the amount of background noise you hear from your surroundings to focus on speech.
Tap Sensors	The surface of each hearing aid acts as a Tap Sensor to control various user controllable functions.
Tap Touch	Tap Touch is the action of touching the hearing aids to change functions.
World EQ	Bass and treble adjustments to enhance hearing in different environments.
World Volume	Controls the audio level of the microphones inside the hearing aids. It is the main control for how much of the outside world can be heard.

Fitting the IQbuds 2 PRO Hearing Aid

Inserting Hearing Aids Into Your Ear

Ensure that the correct hearing aid is placed in each ear (look for “L” and “R” indications on the interior of each earbud).

Insert hearing aids into the ear canal in the vertical position with the Ear Tip down and then twist them towards the back of the head to achieve “lock” and complete earbud seal.



Try gently pulling upwards on the top of your ear while inserting the hearing aid to achieve a better seal. The hearing aid should remain securely in the ear canal once properly fitted and feel snug in your ear.

Warning: Make sure an Ear Tip is fitted to the hearing aid. Do not attempt to insert the hearing aid into your ear without an Ear Tip fitted.

Correct Physical Fit

For high quality bass and noise reduction the hearing aid needs to form a good seal and should feel snug in your ear. Push the hearing aids into your ears as you would an earplug. Note: A good seal prevents high pitched feedback (whistling) caused by sound leaking from the hearing aid speaker into the hearing aid microphones. If you experience high pitched sounds (whistling or feedback), try using a different Ear Tip.

Experiment With Different Size Ear Tips

What Ear Tips come with the Hearing Aids

The IQbuds 2 PRO hearing aid comes with 3 pairs of silicone Ear Tips, plus 3 pairs of Memory Foam Ear Tips in small, medium, and large sizes.

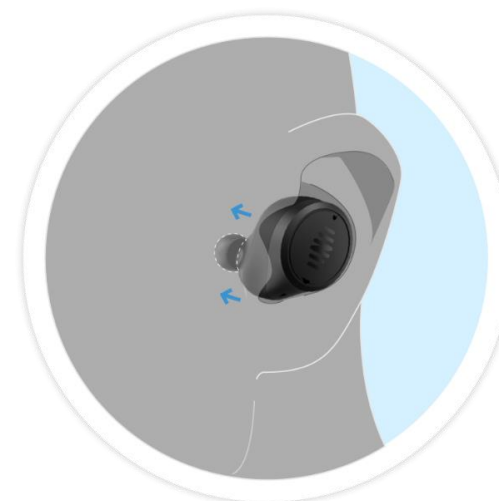
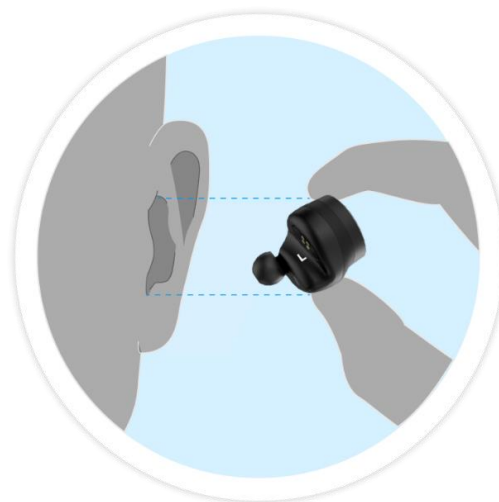
Selecting the Correct Ear Tip

Pick the largest size Ear Tip that fits comfortably in your ear and forms the best seal. The Ear Tips should pull off the Sound Port section of the hearing aids fairly easily. Hold the silicone or memory foam and pull to remove.

Visit Nuheara’s YouTube channel at

<https://www.youtube.com/nuheara> to watch how to get the best fit for your hearing aids.

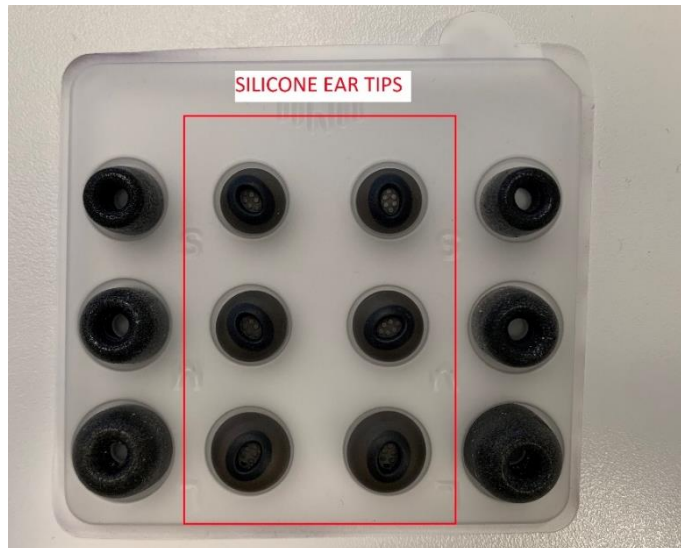
Warning: Ear Tips should always be mounted correctly on the hearing aid before being put into the ear canal. Do not attempt to



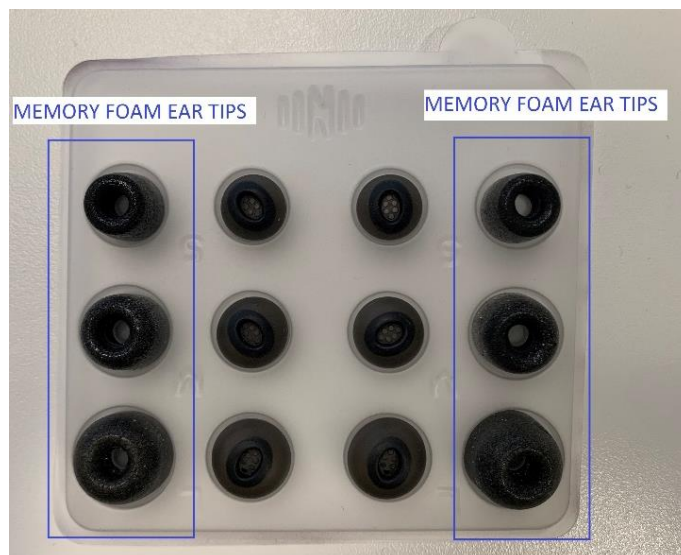
insert only the Ear Tips into your ears by themselves. Doing so may result in the Ear Tip becoming lodged in your ear canal requiring medical attention. If you have any part of the hearing aid Ear Tip stuck in your ear canal, seek immediate medical attention.

Fitting the Ear Tip to the Hearing Aid

There are two types of Ear Tip supplied with the IQbuds 2 PRO hearing aids: Silicone and Memory Foam.



Silicone Ear Tips are easier to maintain, are more durable and allow for quicker insertion into the ear canal.



Memory Foam Ear Tips expand and conform to the shape of your ear canal providing a secure and snug fit.

It is up to your personal preference as to which Ear Tip is used with the hearing aid, however in general the Memory Foam Ear Tips will block more noise when fitted properly.

Fitting a Silicone Ear Tip to the Hearing Aid

1. Line up the inner shape of the bottom of the ear tip with the Sound Port on the hearing aid



2. Press the Silicone Ear Tip onto the Sound Port.

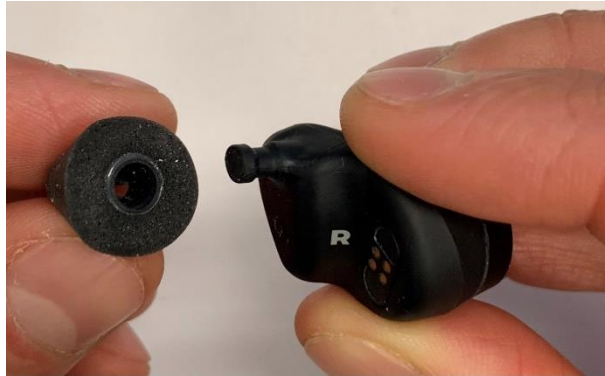


3. The Ear Tip should be fully attached.



Fitting a Memory Foam Ear Tip to the Hearing Aid

1. Align the Memory Foam Ear Tip and the Sound Port of the hearing aid.



2. Press the Memory Foam Ear Tip onto the Sound Port.



3. The Memory Foam Ear Tip should be fully mounted on the Sound Port.



Inserting the Hearing Aid into the Ear

Silicone Ear Tips

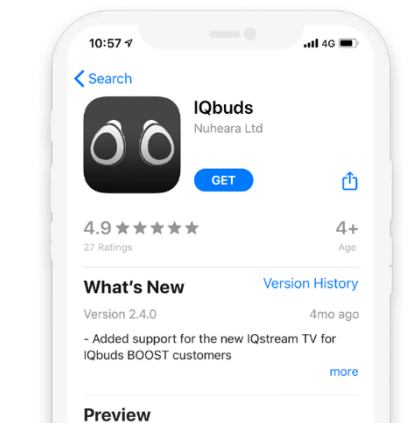
1. Locate the left hearing aid, ensure the silicone Ear Tip is already fitted to the hearing aid.
2. Align the Ear Tip with your left ear canal.
3. Push the hearing aid into your ear so that the Ear Tip goes into your Ear Canal. The hearing aid should feel snug and secure in your ear.
4. Repeat this process with the Right hearing aid and Right Ear.

Memory Foam Ear Tips

1. Locate the left hearing aid, ensure the Memory Foam Ear Tip is already fitted to the hearing aid.
2. Squeeze down on the Memory Foam Ear Tip with your fingers to compress the foam.
3. Align the Ear Tip with your left ear canal.
4. Push the hearing aid into your ear so that the Ear Tip goes into your Ear Canal.
5. Hold the hearing aid in place with the Memory Foam expands to fill your Ear Canal. The hearing aid should feel snug and secure in your ear.
6. Repeat with Right hearing aid and Right Ear.

App Setup and Bluetooth Pairing

1. Download Nuheara’s IQbuds app from the iOS App store or from Google Play to begin the setup process.



2. All setup instructions will be in the app to guide you.

Tap Touch Controls

The highlighted green surfaces are the Tap Sensors. You can control different features with tap gestures.

Please Note: Tap touch is disabled when the hearing aids are first removed from the Charge Case until fitted into your ear. The hearing aids remain in “World Off” mode and touch sensors are disabled for approximately 5 seconds to prevent feedback occurring.



Pairing Mode

Pairing is required to connect your hearing aids to your phone (or another Bluetooth device). To activate pairing mode, hold both Tap Sensors for about 5 seconds and wait until you hear “Pairing”.

This will allow your phone to discover the hearing aids in Bluetooth settings and in the app.

Please Note:

1. Up to 4 devices can be paired with the hearing aids and stored in the hearing aid’s memory, however you can only connect the hearing aids to one device at a time.
2. In order to change which device you are connected to, activate Pairing Mode by holding both Tap Touch Sensors for 5 seconds until Pairing is Heard. On your other device, now navigate to the Bluetooth settings and search for the IQbuds2PRO_XXX friendly name and connect to it.
3. The Bluetooth range of the hearing aids is approximately 32 feet (10 meters) when there is no interference.

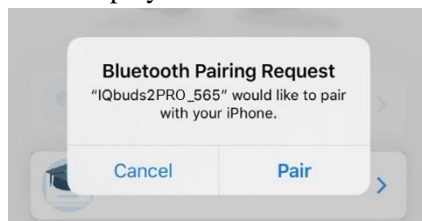


Bluetooth Setup

In the IQbuds app, after the pairing screen you are presented with different options based on the software version in your phone.

iPhones Running iOS 13 or Higher

iPhones running iOS 13 and above will allow you to pair in the app and a popup message in the IQbuds app asking you to pair will be displayed:



Note: All IQbuds 2 PRO hearing aids have a unique 3 letter/number identifying code when pairing.

Tap “Pair” to proceed through the steps in the app and complete pairing.

iPhones Running Software Lower than iOS 13

If the iPhone uses a software version lower than iOS 13, you will be asked to leave the app, go to your phone’s Bluetooth settings, and connect to your IQbuds 2 PRO hearing aids as follows:



Ensure Bluetooth is ON in the iPhone

Please go to Bluetooth settings and make sure Bluetooth is on. Find the name that matches the IQbuds 2 PRO hearing aids as shown (XXX represents a unique identifying code).

Once the IQbuds 2 PRO hearing aids have connected, return to the app to continue setup.

When back in the app the Bluetooth pairing popup message is displayed, then tap “Pair”.

If you are unsure of your phone software version go to Settings > General > About > Software Version to view the version number.

Visit Nuheara’s YouTube channel at <https://www.youtube.com/nuheara> to watch how to get started on iOS with your hearing aids.

Android Phones

In the IQbuds app, after the pairing screen you are presented with a popup message asking you to connect as follows:



Note: All IQbuds 2 PRO Hearing Aids have a unique 3 letter/number identifying code when pairing.

Tap “Connect” and to proceed through the app to complete the process.

If you have not activated pairing properly you may be taken back to the pairing screen, in which case try the pairing action again and wait until you hear “Pairing”. You are then presented with the following screen:



Ensure Bluetooth is On in the Android Phone

Please go to Bluetooth settings and make sure Bluetooth is on. Find the name that matches the IQbuds 2 PRO Hearing Aids as shown (XXX represents a unique identifying code).

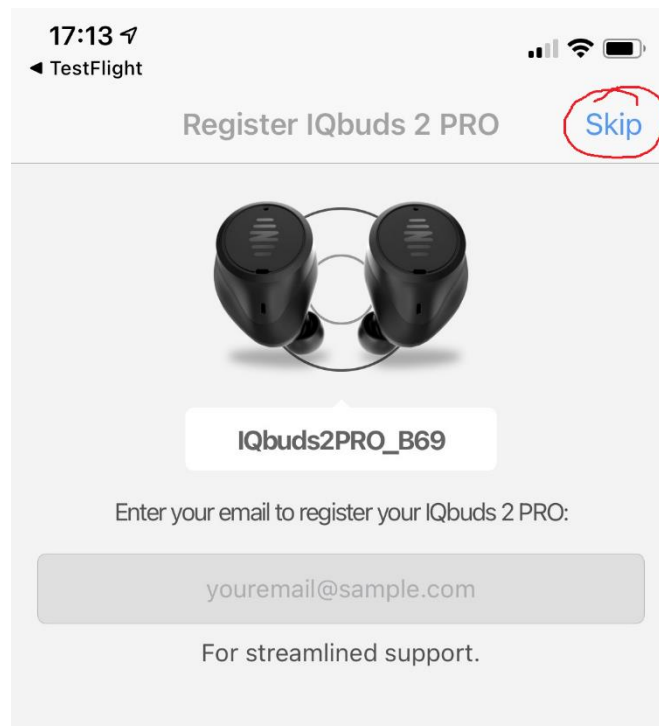
Once the IQbuds 2 PRO Hearing Aids have connected, return to the app to continue setup.

A “Connected” screen is displayed and you can continue configuration in the app.

Visit Nuheara’s YouTube channel at <https://www.youtube.com/nuheara> to watch how to get started on Android with your Hearing Aids.

Product Registration

The IQbuds app will prompt the user to register their device during the setup process.



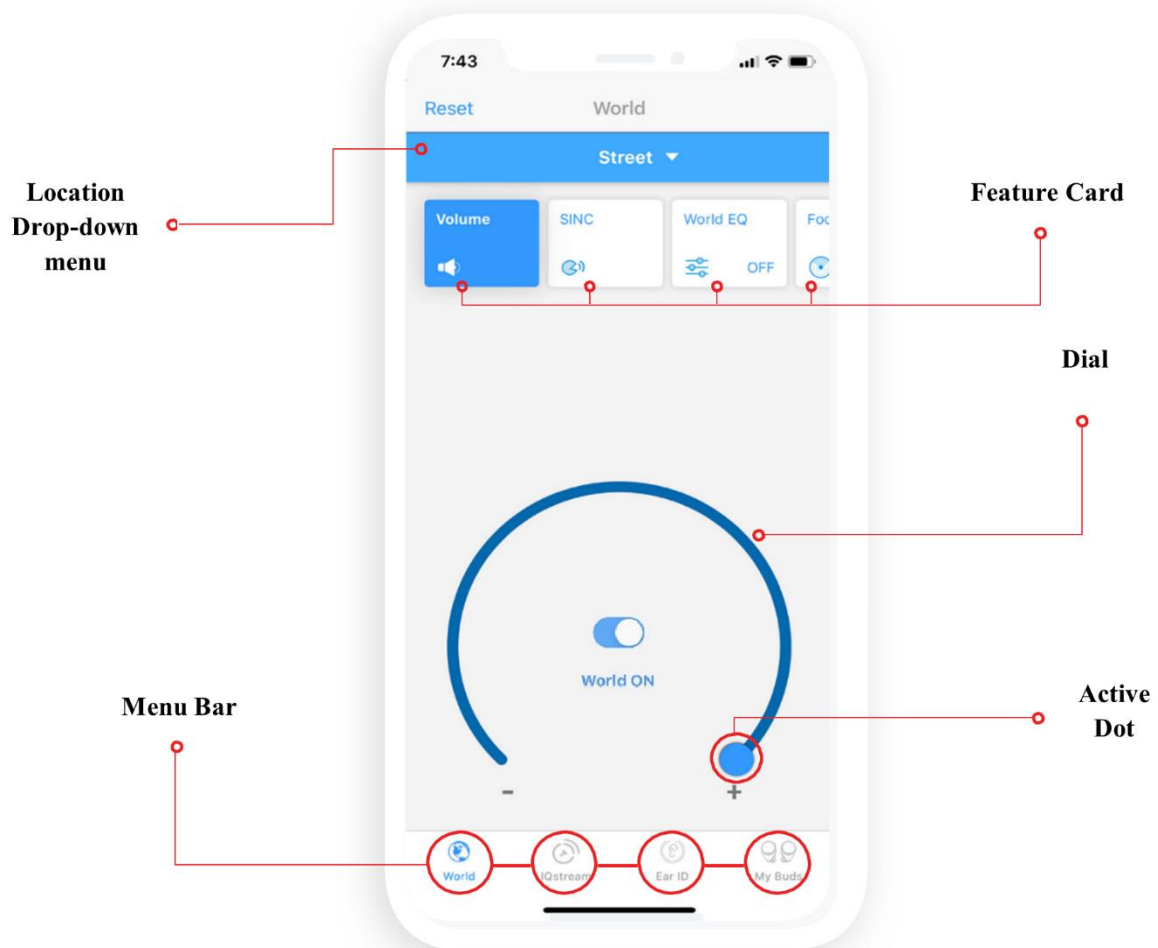
Using the IQbuds App

About the App

The app is the control center for your IQbuds 2 PRO hearing aids that allows you to:

1. Customize the hearing aids to your hearing by creating a unique hearing profile using **Ear ID**.
2. Customize your hearing aids for different **Locations** using **World EQ** to enhance hearing in different environments.
3. Use **World Volume** to adjust how loud you hear your environment and the world around you.
4. Use **SINC** (Speech In Noise Control) to reduce the amount of interfering background noise you hear from your surroundings to focus on speech.
5. Use **Focus** to adjust the directionality of the microphones in your hearing aids to hear more clearly directly in front of you.

Functions In the App



Following are the components within the IQbuds app providing hearing augmentation options.

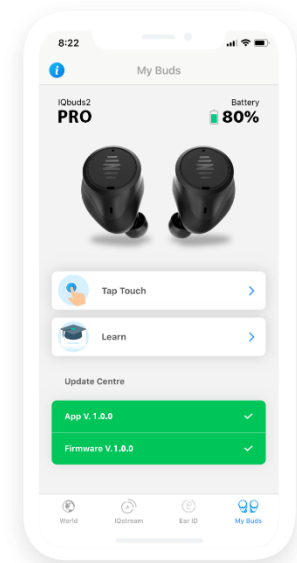
Quick Start Tap Touch Controls

Use the **Tap Touch** feature in the IQbuds app to view and assign tap gestures to customize the way you control your IQbuds 2 PRO hearing aids. Tap gestures also allow you to use control the hearing aid audio without adjusting the IQbuds app on your phone.

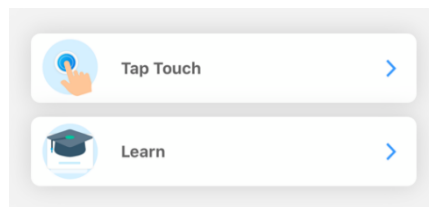
There are a large range of functions controlled with tap gestures such as **Locations**, voice activated assistants, music controls, volume controls and more. Please Note: Phone call functions cannot be changed.

Getting Started

1. Tap **My Buds** in the **Menu Bar** at the bottom of the IQbuds app screen.



2. Select **Tap Touch** to view the **Tap Touch** screens and customize left and right hearing aid functions.

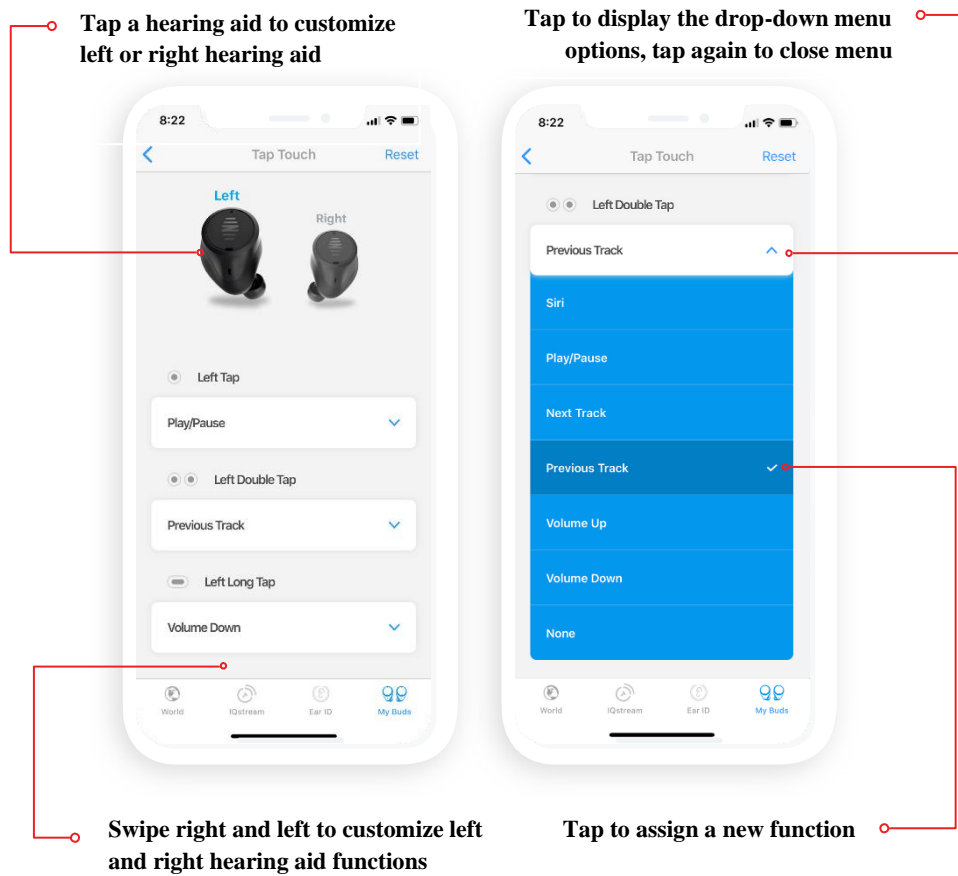


3. Following are the default **Tap Touch** gesture settings.

<input type="radio"/> Left Tap	Right Tap <input type="radio"/>
Play/Pause Phone Call Functions: Answer Call Mute Call On/Off	World On/Off
<input checked="" type="radio"/> Left Double Tap	Right Double Tap <input checked="" type="radio"/>
Activate Siri	Activate Siri
<input type="checkbox"/> Left Long Tap	Right Long Tap <input type="checkbox"/>
None Phone Call Functions: Reject/Hang up call	Change Location

Customizing Tap Touch Controls

Tap each individual **Tap Touch** feature in the IQbuds app to pick and choose different functions and personalize your hearing aid settings. Note: There may be some limitations on functions in some devices.

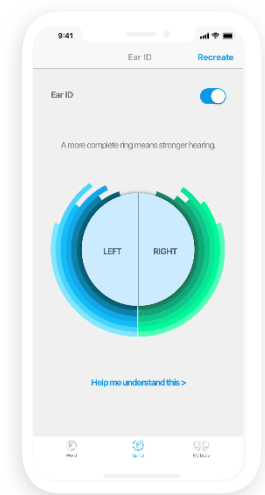


Ear ID

What is Ear ID

Every ear is different and each user has unique listening preferences. With Ear ID the user has the capability to personalize their IQbuds to best deliver sound to their own hearing profile. At the core of the innovative Ear ID personalization system is the NAL-NL2 unique programming formula designed for and used globally by hearing aid manufacturers and audiologists.

Your unique Ear ID hearing profile is completed through the IQbuds app after assessing the relative strengths and weaknesses of your hearing at various frequencies. It then automatically adjusts and creates a personal Ear ID profile that is designed to compensate for your perceived mild to moderate hearing loss.



Create Your Ear ID Profile

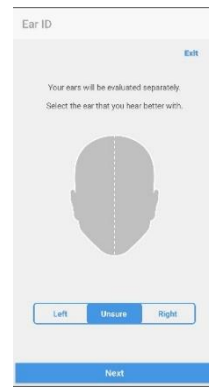
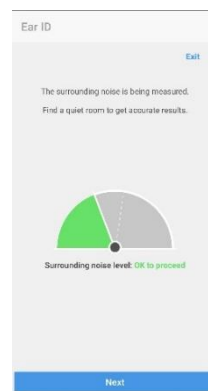
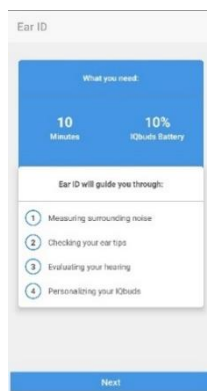
Before starting the Ear ID profiling:

- Ensure you are in a quiet room.
- Ensure the hearing aids have a good seal in your ears using the correct Ear Tips.

1. Tap Ear ID in the **Menu Bar**.



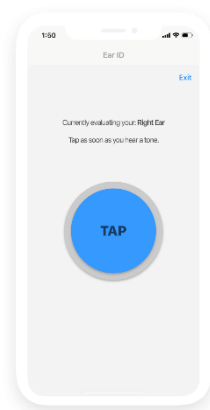
2. Next, a series of screens are displayed to explain and set up the Ear ID profile process.



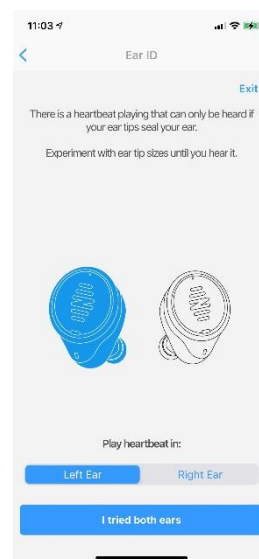
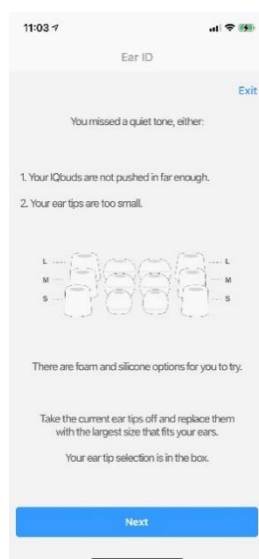
3. Tap to start the Ear ID profile, which identifies the softest tone you can hear in a range of frequencies. Please be patient as the Ear ID evaluation may take up to 10 minutes to complete. Completing the analysis is important to optimize the hearing aids for your personal hearing profile.



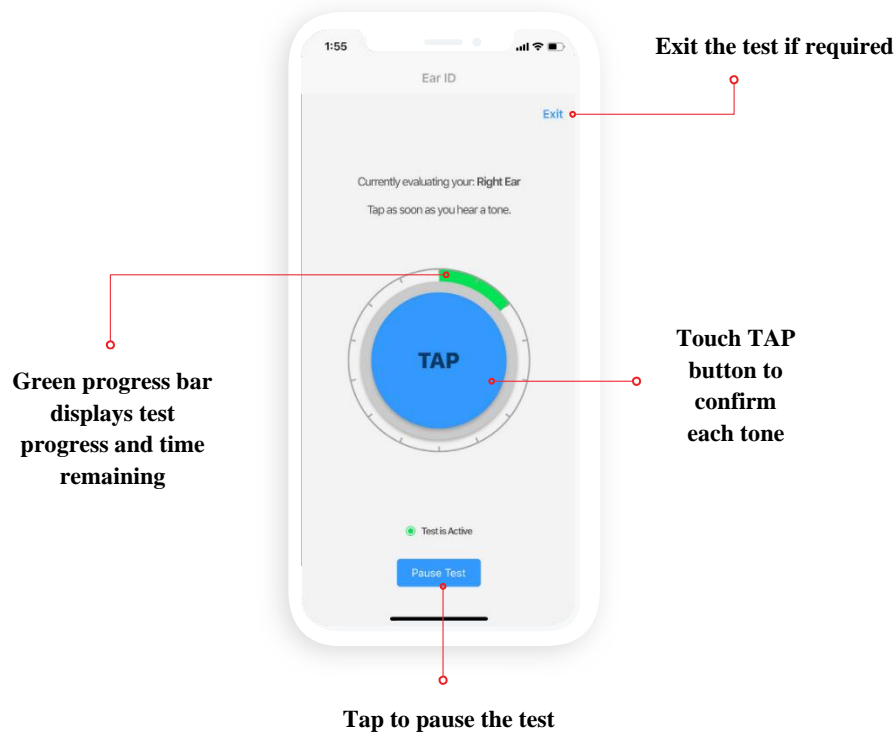
4. Tap to confirm as soon as you hear a tone.



Please Note: If you miss acknowledging a tone then a screen appears to prompt you to try another Ear Tip in case the seal in your ear canal is poor. We recommend testing your Ear Tip seal. Another screen allows you to test new Ear Tips in both ears in turn using a heartbeat sound to verify the seal Ear Tip seal in each ear.



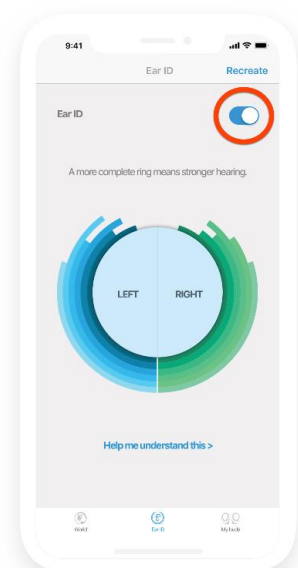
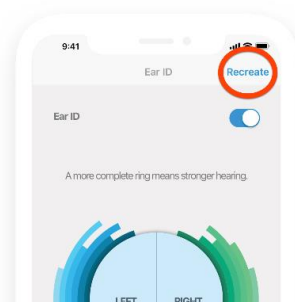
5. After testing the Ear Tip seal tap **Start** to continue with the hearing profiling.
6. Tap each time a tone is heard to acknowledge it. Please note:
 - a. The Ear ID evaluation may take up to 10 minutes to complete.
 - b. The assessment identifies the quietest tone you can hear in each frequency.
 - c. Do not stress if you cannot hear all tones. This is a normal part of the test process.
 - d. You may experience some gaps in hearing tones which is also normal.
 - e. If you open a different app or receive notifications during the hearing assessment it may be necessary to start again.



How To Use the Ear ID Assessment

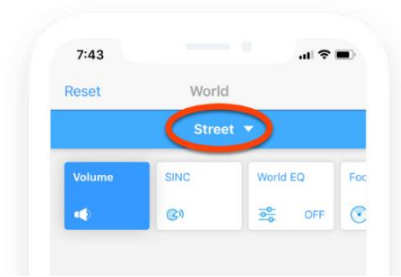
1. Turn the Ear ID switch on to calibrate the IQbuds 2 PRO hearing aids to your personal hearing profile.
2. Turn Ear ID off to remove the custom hearing profile. The hearing aids will use the default normal hearing profile.
3. Tap “Help me understand this” to learn more about your Ear ID assessment results.

Please Note: If you repeatedly need to adjust settings to increase loudness and clarity of sound, it is recommended that you reassess your Ear ID profile to ensure it is optimized for your personal hearing requirements. Tap **Recreate** in the Ear ID screen to restart the Ear ID hearing assessment.



Locations

Preconfigured **Location** profiles configure the hearing aids to create the best hearing experience based on your environment. You can also personalize your hearing aids for different **Locations** using **World EQ** to enhance hearing in different environments.

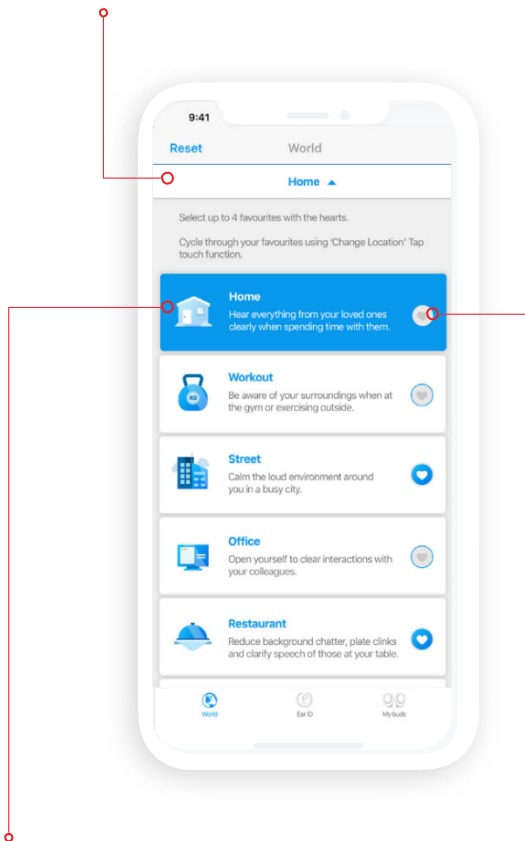


How Can Locations Help You?

Tap the **Location** drop-down menu in the solid blue bar at the top of the screen to select one of seven different locations available. To deliver the best hearing aid performance, each **Location** listed has been optimized with default settings based on common sound characteristics in different environments.

The **Locations** listed include **Home**, **Workout**, **Street**, **Office**, **Restaurant**, **Driving** and **Plane**.

Tap to expand and collapse menu



Location highlighted blue is currently selected

Tap the Heart icon to select up to 4 favorites

Adjusting Hearing Profiles for Your Environment

The default **Locations** are a great starting point to optimize your IQbuds 2 PRO hearing aids for different environments. However, as everyone's hearing is different, it is also possible to personalize the preconfigured profiles for each of the seven **Locations** by adjusting default settings in the **Volume**, **SINC**, **World EQ** and **Focus screens**. Tap **Reset** at the top of the screen to return to default settings for each **Location** profile.

You can tap the **Heart** icon on the screen to select up to four [4] favorite locations which you can select using **Tap Touch** gestures when wearing your hearing aids. Tap to cycle through favorites using a long (two [2] second) tap on the right hearing aid.

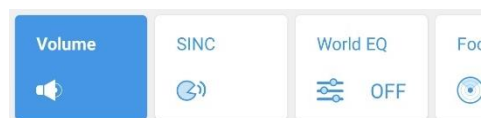
How to Use Locations

Example Scenario

You are in the office and have selected **Office** as your hearing aid **Location** and have personalized the **Volume**, **SINC**, **World EQ** and **Focus** settings. After leaving the office and heading into the street you can use the long **Tap Touch** gesture on the right hearing aid to change to the preconfigured **Location** called **Street**. Alternatively, launch the IQbuds app to open the drop-down **Location** menu and select **Street**.

World Settings

Tap **World** in the **Menu Bar** at the bottom of the screen to display the **World Volume** options.



Feature Card Options

The Feature Card options include:

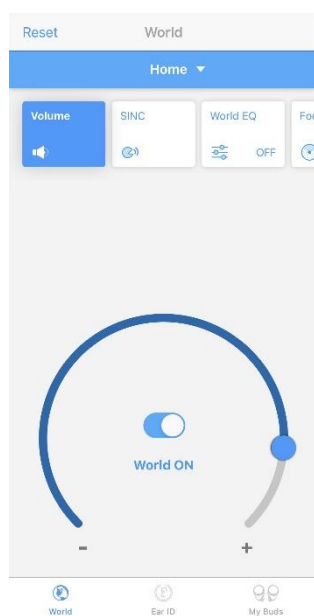
- Volume
- SINC (Speech In Noise Control)
- World EQ
- Focus

What is Volume

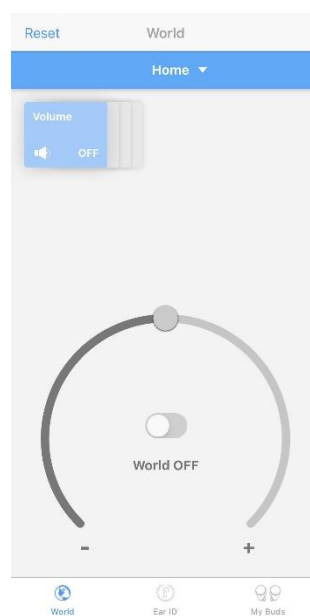
Volume controls the level of the microphones inside the IQbuds 2 PRO hearing aids. It is the main control for how much of the outside world can be heard.

How Can Volume Help You?

1. When **Volume** is turned **ON** the dial on the screen controls the audio level of your surroundings and the balance of what can be heard. Turn it up to hear more of your external environment and turn it down to hear less.
2. When **Volume** is turned **OFF** all other features in the **World Menu Bar** item are also inactive. This is because all features in the **World Menu Bar** make changes to how you hear your surroundings. If **Volume** is **OFF** then the hearing aid microphones are not used and you will not hear the external environment amplified.
3. **ANC** (Active Noise Control) is automatically **ON** when **Volume** is **OFF**. This means the hearing aids will actively attempt to block noise from your external environment.



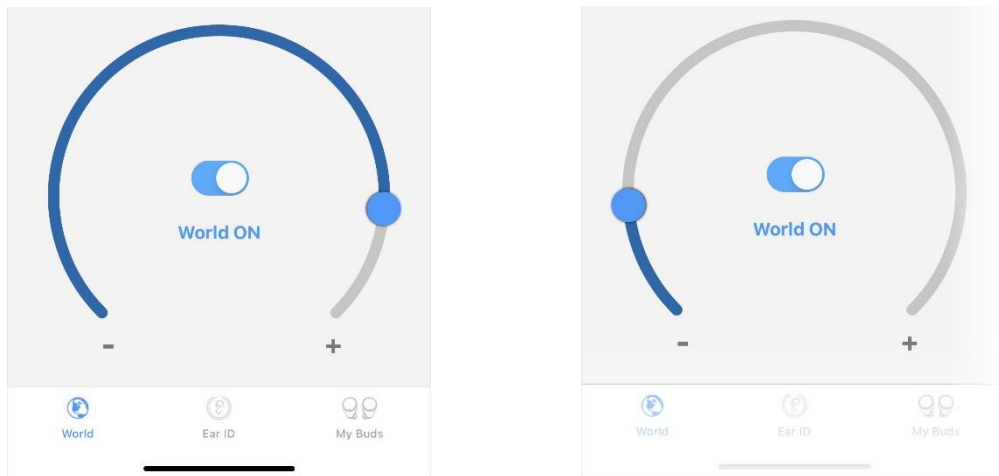
World Volume ON



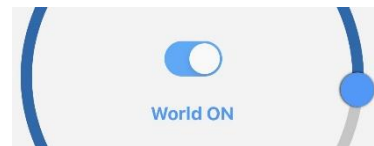
**World Volume OFF and
Active Noise Control ON**

Adjusting the Volume

Increase or decrease the level of your surroundings using the **Active Dot** and circular **Dial**.



Remember, the switch in the middle of the circular **Dial** controls **World Volume ON/OFF**. **ANC** (Active Noise Cancellation) is automatically activated when **World Volume** is **OFF**.



How to Use World Volume

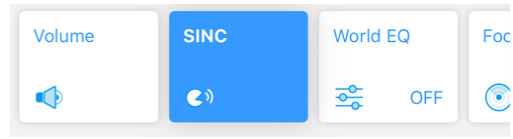
Example Scenario

As an example, if you are sitting at home with a friend or loved one and they are talking but you can't quite hear what they are saying, move the active dot to the right and their voice and your surroundings will become louder in the hearing aids.

Later that day you may be sitting and reading a book and someone is watching TV next to you. To focus on the book without the distraction of the TV, turn **World Volume OFF** to reduce background noise from your surroundings and focus on reading.

SINC (Speech In Noise Control)

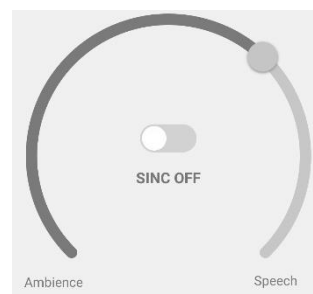
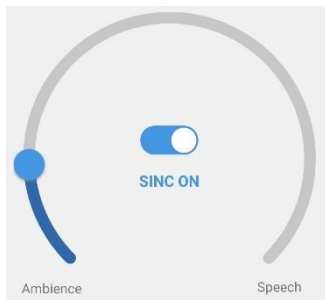
Use **SINC** to reduce the amount of background noise you hear from your surroundings to focus on speech.



What is SINC and How Can It Help You?

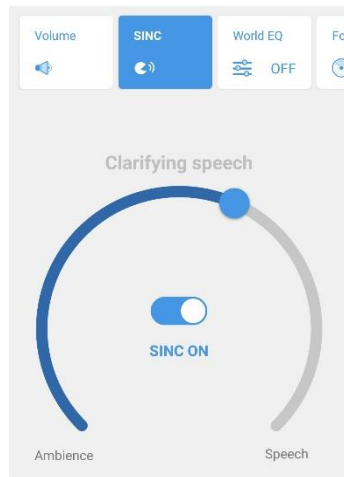
SINC controls in your hearing aids adjust the level of speech you hear versus background noise in your environment. **SINC** is very helpful in noisy or crowded environments by suppressing and reducing background noise from all directions.

The switch in the middle of the circular **Dial** controls **SINC ON/OFF**.

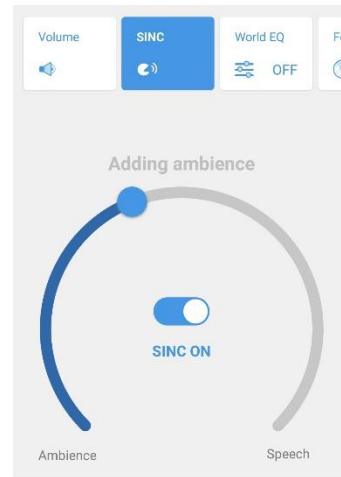


How to Adjust SINC

Rotate the **Active Dot** to the right on the circular **Dial** to reduce background noise and focus on speech. This screen displays a message to confirm whether speech or ambience (background noise) is increasing.



Move Active Dot to the Right to Clarify Speech and Reduce Background Noise



Move Active Dot to the Left to Increase Background Noise levels.

How to Use SINC

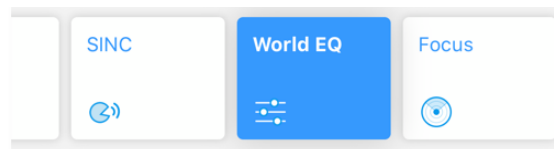
Example Scenario

You are out enjoying a drink with a friend and feel you cannot distinguish their voice (speech) over the noise of everyone else in the establishment (background noise).

Rotate the **Active Dot** to the right on the circular **Dial** to reduce background noise and hear your friend's voice with more clarity, allowing you to enjoy free flowing conversation.

World EQ

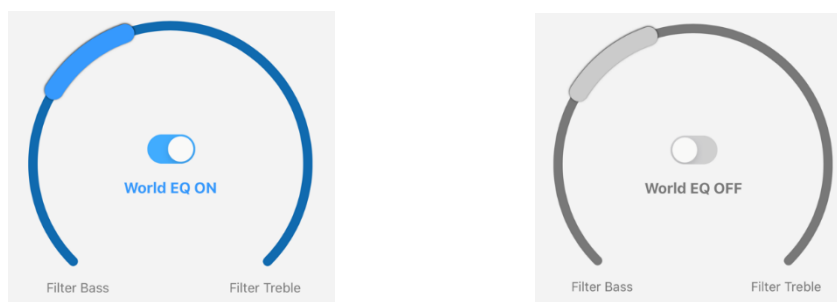
Use **World EQ** to filter out background noise from your environment to improve the performance of the IQbuds 2 PRO hearing aids.



How Can World EQ Improve What You Hear?

World EQ helps when there is a lot of loud low frequency background noise in your environment, like in a subway station or outside an airport. Rotate the **Action Bar** to the left on the circular **Dial** to reduce bass sounds and clarify speech. Rotate the **Action Bar** to the right on the circular **Dial** to reduce **Treble** high frequency background noise like bird life and glass clinks. High frequency noises may be amplified in environments with lots of hard, reflective surfaces like restaurants.

The switch in the middle of the circular **Dial** controls **World EQ ON/OFF**. With **World EQ OFF** you hear the world as it is in its natural state.



There are seven **World EQ** settings and the center position is a combination of both Bass and Treble filters:

1. Move the **Action Bar** to the left on the circular **Dial** and try the **Min**, **Mid** and **Max** settings, which progressively reduce low frequencies in each step.



2. Move the **Action Bar** to the right on the circular **Dial** and try the **Min**, **Mid** and **Max** settings, which progressively reduce high frequencies in each step.



How to Use World EQ

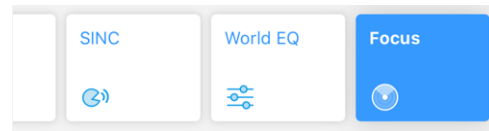
Example Scenario

As an example, you may be in an environment with an old air conditioner creating a loud low frequency background rumble and noise, which is annoying or masks what you really want to hear. Rotate the **Action Bar** to the left on the circular **Dial** to reduce background rumble and noise and clarify speech. Rotate the **Action Bar** to the right on the circular **Dial** to reduce high pitched background noise like plate and glass clinks in a busy restaurant.

Rotate the **Active Dot** to the right on the circular **Dial** to reduce background noise and hear your friend's voice with more clarity, allowing you to enjoy free flowing conversation.

Focus

Focus adjusts the directionality of the microphones in your hearing aids to hear more clearly directly in front of you.

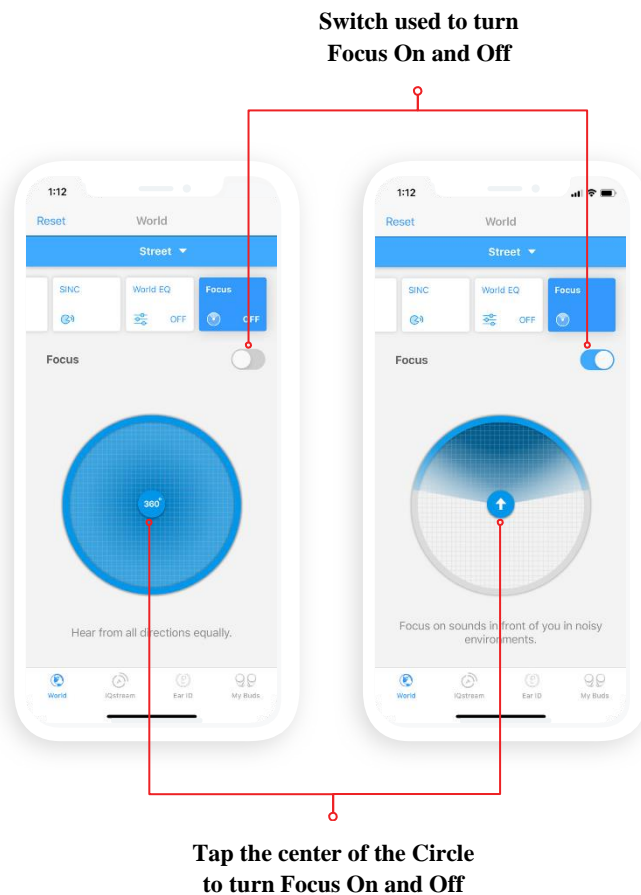


How Can Focus Help You?

Focus isolates and enhances sounds directly in front of you, which is very useful for greater clarity of conversation in noisy environments like restaurants. **Focus** is turned on by default for the **Restaurant** setting if you select this **Location** (see **Locations** for more details). **Focus** works best when a person is close and in front of you.

How to Use Focus

In the IQbuds app **Focus** can be turned on and off with the **Focus switch**, or by tapping the center of the circle on the **Focus** screen.



How to Use Focus

Example Scenario

Focus can help you to more clearly hear a person speaking in front of you when a loud table is sitting behind you at a restaurant. When Focus is on it detects more sound from in front of you. Focus is not recommended when outdoors in windy environments, or in situations where full peripheral awareness is required (e.g., walking and cycling, etc.).

Care and Maintenance

Battery Information

The IQbuds 2 PRO hearing aid battery operating life is 2-3 years based on average use and charging 3 times per week.

The capacity of any type of battery will diminish after a certain amount of recharging. With lithium-ion batteries, the capacity diminishes slightly with each complete charge cycle. Lithium-ion batteries may be charged at any time and there is no requirement to fully discharge the battery before recharging it again. A single charge cycle is achieved each time you fully discharge 100% of the battery capacity and recharge the battery again.

A discharge of 50% of the battery and recharge of the battery represents one half (0.5) charge cycle. The batteries in the hearing aids are designed to retain 80% of their capacity after 400 full charge cycles giving the product a long usage lifespan.

Lithium-ion batteries are affected by temperature.

Use the following guidelines to preserve rechargeable batteries:

- Recommended storage conditions: Temperature 68°F to 86°F (20°C to 30°C) with humidity not greater than 90%. Avoid placing in direct sunlight or extreme cold.
- Operating temperature range: XX°F to XX°F (XX°C to XX°C)
- Do not store hearing aids for extended periods without recharging them. If not regularly used charge around every 4 months.
- If you handle or store rechargeable batteries incorrectly, their lifetime may be reduced.

Caring for your Hearing Aids

Important Note: We do not recommend using alcohol wipes on your hearing aids.

General Maintenance of IQbuds 2 PRO

Follow these simple steps regularly to help maintain audio quality by keeping the device free of obstructing debris. You will need a soft, lint free cloth and a cleaning brush. (Supplied with the hearing aids)

Method:

1. Take the IQbuds 2 PRO hearing aids from the Charge Case and remove the silicone or foam Ear Tips.
2. Wipe down the hearing aid with a soft, lint free cloth, paying special attention to the speaker tip section of the hearing aid inserted into the ear canal.
3. Remove Ear Tips from the hearing aids. Wipe over the silicone/foam Ear Tips (only) with the cloth to remove any earwax.
Use a soft, lint free cloth to gently absorb any moisture.
4. Ensure no earwax, dirt, or dust is blocking the speaker in the hearing aids. Use of the Brush is recommended if visible debris is present.
5. Using the brush and or the soft cloth, brush the charging contacts on the hearing aids and the Charge Case from time.

It is recommended not to clean the charge case or hearing aids more than once a week and to only do so on a need to basis if required.

The IQbuds 2 PRO hearing aids come with a *gentle* cleaning brush to assist in removing debris (e.g. ear wax) from the hearing aids, if necessary. It is recommended to use the provided brush, only, as brushes with stiffer bristles can cause damage to the speaker of the hearing aid.

Replacement Parts and Accessories

Where can I buy additional Ear Tips?

Prolonged exposure to sweat during activities such as running or working out may gradually loosen the initial fit of the hearing aids Ear Tips. A replacement set of Ear Tips can be purchased to improve fit.

Purchase replacement silicone Ear Tips from Nuheara's Online Store via www.nuheara.com.

Purchase Memory Foam Ear Tips from Comply's Online Store at <https://www.complyfoam.com/products/t-160/>

Where can I buy a replacement Charge Case plug pack charger?

Purchase a replacement plug pack charger (CUI SWM6-5-NH-I38 AC plug pack to USB 2.0 charger: Nuheara part number NU412) from Nuheara's Online Store via www.nuheara.com.

Returns and Exchanges

If you experience any issues with the use, performance or enjoyment of a product purchased on www.nuheara.com or direct from Nuheara, please contact care@nuheara.com visit the Nuheara website at www.nuheara.com, so we can assist you to resolve any issues as soon as possible.

If you purchased your product anywhere other than www.nuheara.com, you must return it to the original place of purchase for a refund or exchange, observing their return, exchange and money back policies.

Privacy

To view the Nuheara privacy policy visit www.nuheara.com.

Troubleshooting

Common Solutions for IQbuds 2 PRO Hearing Aids:

Symptom	Solution
Hearing aid doesn't power on	<ul style="list-style-type: none"> • Check the battery charge status indicators for your hearing aids. See "Charge Case Lights Explained." • Power on the hearing aid. • Charge the hearing aids if required.
Hearing aid doesn't pair with cell phone (See "Bluetooth Setup")	<ul style="list-style-type: none"> • IQbuds 2 PRO hearing aids are designed to work with iOS (iOS version 10 or greater) or Android (Android version 5 or later) devices . • Ensure the hearing aids are paired successfully with your mobile device. Re-pair the hearing aids if required. • Turn the Bluetooth feature off and then on. • Delete your hearing aid from the Bluetooth list on your iOS or Android device and pair the hearing aids with the cell phone again. • Move your device closer to the hearing aid and away from any interference or obstructions. • If Bluetooth communication is disrupted when in close proximity to a Wi-Fi device or other 2.4 GHz ISM band emitter, move at least 10 feet (~3 meters) away from any potential interfering source to recover a solid connection. • Pair a different iOS or Android device.
No sound when playing audio from iOS or Android device	<ul style="list-style-type: none"> • Check hearing aids are charged using the Charge Case. • Charge the hearing aid Charge Case battery if required. • Increase the volume on your hearing aid and/or iOS or Android device. • Make sure you are using the correct device paired to your hearing aids. • Move your iOS or Android device closer to the hearing aids and away from any interference or obstruction. • Use a different music source. • Up to 4 devices can be paired with the hearing aids and listed in memory, however the hearing aids can only connect to one device can connect at a time. • Ensure the connected iOS or Android device is within range of the hearing aid (32 feet or 10 meters).

Other Troubleshooting Tips

Symptom	Solution
Poor sound quality when playing audio from device	<ul style="list-style-type: none"> • Use a different music source. • Pair a different iOS or Android device (see “Bluetooth Setup”). • Disconnect the second device. • Move the iOS or Android device closer to the hearing aids and away from interference or obstructions. • Clear any debris or wax from the hearing aid Ear Tips.
Can’t Hear Any Ambient Sounds	<ul style="list-style-type: none"> • Check hearing aids are fully charged using the Charge Case light indications (see “Charge Case Lights Explained”) • Ensure hearing aids are powered on. • Increase the World Volume of the hearing aid in the IQbuds app.
World Volume will not adjust	<ul style="list-style-type: none"> • Power off the hearing aid and then power on. • Charge the hearing aids in the Charge Case if battery is flat.
Hearing aid does not charge	<ul style="list-style-type: none"> • Recharge the Charge Case. • Make sure the hearing aid is at room temperature, between 50°F to 104°F (10°C to 40°C). If your hearing aid has been exposed to high or low temperatures, let the hearing aid return to room temperature and then try charging again.
Hearing aid Ear Tips falling off	<ul style="list-style-type: none"> • Securely attach the Ear Tips to the hearing aids (see “Experiment with Different Size Ear Tips”).
Lost hearing aid Ear Tips	<ul style="list-style-type: none"> • Purchase replacement silicone Ear Tips from Nuheara’s Online Store via www.nuheara.com. • Purchase Memory Foam Ear Tips from Comply’s Online Store at https://www.complyfoam.com/products/t-160/
Hearing aids whistle or create feedback	<ul style="list-style-type: none"> • Decrease World Volume. • Make sure your hearing aid Ear Tips fit and seal securely.
Sound of own voice is too loud	<ul style="list-style-type: none"> • Practice listening to new sounds and talking on your own or with a trusted partner in a familiar environment before using hearing aids for conversation with others. • Try adjusting the World Volume • Try a different Ear Tip size or type (silicone or memory foam).

Warranty

IQbuds 2 PRO hearing aid products are warranted against defects in materials and workmanship for the warranty period from the date of original retail purchase (if purchased at a Nuheara Authorized Retailer) or the date of purchase if purchased on the Nuheara site, www.nuheara.com when used in accordance with the applicable usage documentation. The warranty period is two [2] year, or the minimum period mandated by the regulatory requirements in the country of sale.

If the Product is exchanged, the replacement product becomes your property and the Product becomes Nuheara's property. When a refund is given, the Product becomes Nuheara's property.

This warranty excludes defects due to normal wear, abuse, shipping damage or failure to use the product in accordance with instructions. This warranty is void in the event of unauthorised repair or modification, or removal or defacing of the product labelling.

Except to the extent precluded by applicable state law, Nuheara is not liable for consequential, incidental, direct or special damages arising directly or indirectly in respect of such products or use or failure thereof, whether based on breach of warranty, negligence, strict liability, tort or otherwise.

No Nuheara reseller, agent or employee is authorized to make any modification, extension or addition to this warranty.

Some states and countries do not allow limitations on how long such warranties, conditions and/or implied terms may last, so the limitations described above may not apply to you. This warranty is offered in addition to rights and remedies conveyed by consumer protection laws and regulations that cannot be statutorily waived and does not affect your applicable statutory rights. To the extent permitted under applicable law, the duration of any implied warranty shall be one [2] years.

For full warranty terms and conditions visit www.nuheara.com.

Service Life

Expected Service Life of the Hearing aid, Charger Case, components, and accessories shipped with the equipment: 2 Years

Maximum Shelf Life of the Hearing aid, Charger Case, components, and accessories shipped with the equipment: 2 Years

Hearing aid Technical Specifications

KEY FEATURES

Processing Channels	12
WDRC	Yes
Feedback Management	Yes
Battery	Built-in rechargeable – Lithium Ion
Programs	7 via app, 4 stored on device Program change via app or programmable ear bud tap control
Noise Reduction	Hybrid Active Noise Cancellation
World Control	Yes, turn microphones on / off
App	Yes, iOS and Android supported
Volume Control	Yes via App
Hearing Augmentation	SINC Speech in Noise Control World EQ Focus
Self-Setup & Personalisation	Yes via App (Ear ID)
Phone Call Processing	2-microphone phone call voice pickup
Low Battery alarm	Yes - spoken prompt
Discharge time	Music streaming playback time: 5 hours (world off, streaming active) Hearing processing time: 8 hours (world on, no streaming) 15 minutes of charging then music streaming playback time: 1 hour 20 minutes (world off)
App Compatibility	iOS 10 or greater Android 5 or greater
Hands-free Calling	Yes, wideband on supported devices
Music Streaming	Yes, SBC and aptX Low Latency CODECs

RECHARGING

Recharging case / dock	Included
Recharging case type	Portable with internal rechargeable battery
Number of recharges provided by case	3
Ear bud charge time	120 minutes
Case charge time	120 minutes
Ear bud battery	115mAh Lithium Ion
Recharging case battery	800mAh lithium ion

WIRELESS CONNECTIVITY

Bluetooth compatible	Yes, version 5.0
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Bluetooth Phone Call Compatible	Yes
Bluetooth Music Stream Compatible	Yes
Bluetooth Voice Assistant Access	Yes, Siri and Google Now with compatible devices
Dust and weather protection	Sweat and rain resistant.
Ear-to-ear connectivity	NFMI
Bluetooth profile supports	A2DP v1.3.1, HFP v1.7, HSP v1.2, AVRCP v1.6, aptX, aptX Low Latency

FITTING AND PROGRAMMING

Nuheara IQbuds App	Ear ID user driven fitting and programming via app
Fitting Formula	NAL-NL2
Ear ID assessment frequencies	500Hz, 1000Hz, 2000Hz, 3000Hz, 4000Hz, 6000Hz
Ear ID assessment range	20 - 70dB
Ear Tips included	3 pairs silicone reusable 3 pairs Comply memory foam
Fit type	Vented Occluding

DIMENSIONS & ENVIRONMENTAL

Ear bud weight	8g each
Ear bud dimensions	Diameter 17mm, depth 13mm
Charge case weight	66g
Charge case dimensions	76x57x29mm

TECHNICAL SPECIFICATIONS

Microphones	3 per ear
Driver	Dynamic 9.2mm

Acoustic Performance

According to IEC 60118-0:2015

Applicable Standards: ANSI CTA 2051:2017 (Clause) ANSI ASA S3.22:2009 (Clause)	Test	Acceptance Criteria	Result (Pass/Fail) Complete
CTA2051 (4:1) Custom collections for device may be used if CORFIG in standard is invalid	Custom Coupler Response for Flat Insertion Gain (CORFIG)	N/A	Complete
CTA 2051 (4.1) Use custom CORFIG for Hearing Aid	Frequency Response Bandwidth	At least 250 Hz- 5 kHz	See Figure 3 (Pass)
ANSI S3.22 (6.2) CTA 2051 (4.3)	Maximum Acoustic Output	Less than or equal to 120 dB SPL	109.6 dB SPL See Figure 1 (Pass)
ANSI S3.22 (6.11)	Harmonic Distortion Output	Less than or equal to 5%	0.2% (Pass)
CTA 2051 (4.4.2) Test Frequency = 500 Hz Test input Level = 100 dB SPL "worldvol" set to = 42 (lowest possible) Output@500 Hz = 112 dB SPL (Lowest achievable output for a 100 dB SPL input)	Input Distortion	Less than or equal to 5%	0.7% (Pass)
ANSI S3.22 (6.12)	EIN	Less than or equal to 32 dB SPL	28.5 dB SPL (Pass)
CTA 2051 (4.8)	Latency	Less than or equal to 15ms	5ms (Pass)
CTA 2051 (4.7)	Battery Life	N/A	8hrs
ANSI S3.22 (6.3)	HFA-OSPL90	N/A	100.9 dB SPL
ANSI S3.22 (6.5)	HFA-FOG	N/A	29.4 dB SPL See Figure 2
ANSI S3.22 (6.7)	RTG	N/A	24.4dB SPL
CTA 2051 (4.1-4.17) Fixed or Level Dependent Frequency Equalization -Tone Control, ANSI/CTA-2051 (4.10) Level Dependent Gain/Compression, ANSI/CTA-2051 (4.11) SNR Enhancement, ANSI/CTA-2051 (4.12) Noise Reduction, ANSI/CTA-2051 (4.13) Feedback Control / Cancellation, ANSI/CTA-2051 (4.14) Personalization, ANSI/CTA-2051 (4.15) Device Coupling to the Ear, ANSI/CTA-2051 (4.16) Wireless Connectivity, ANSI/CTA-2051 (4.17)	Reporting of Hearing Aid Features	N/A	

Figure 1

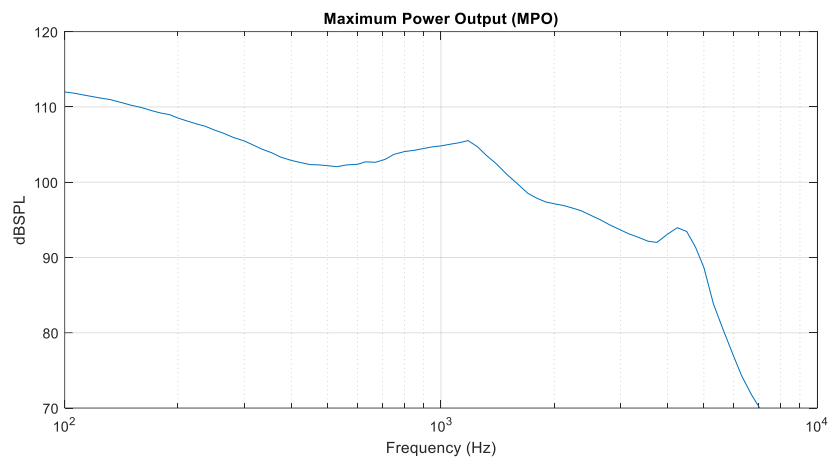


Figure 2

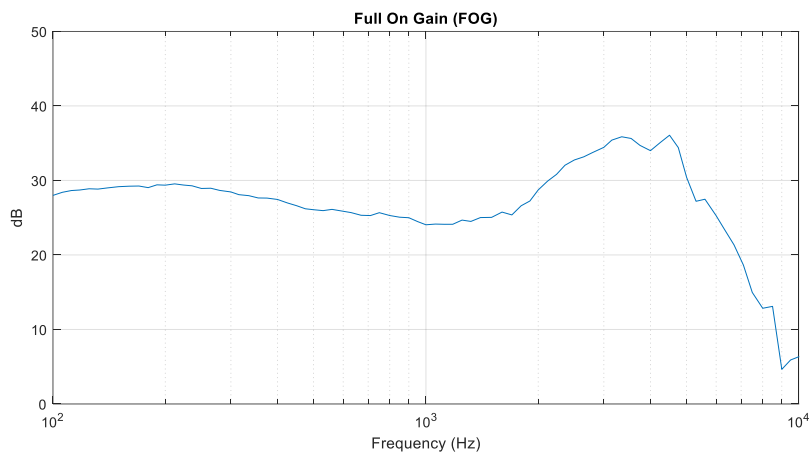
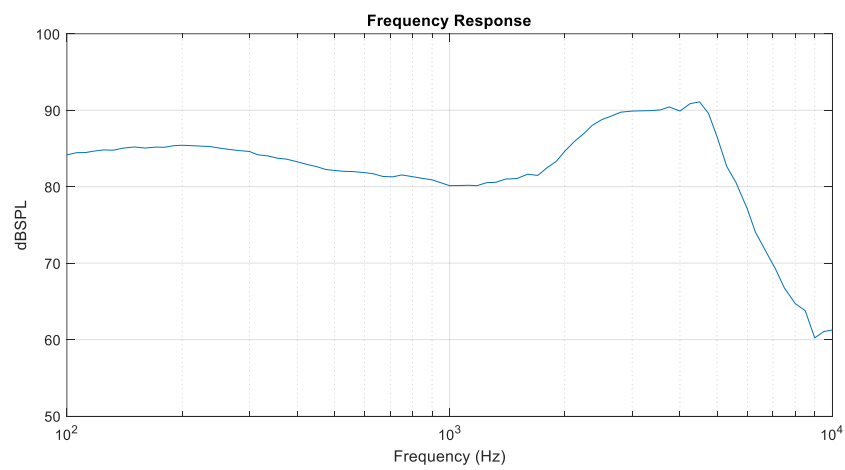


Figure 3



IQbuds 2 PRO Hearing Aids contain the following radios. Left has Bluetooth TX/RX and NFMI TX/RX, right has NFMI TX/RX.

Radio Details			
Radio technology	Bluetooth Classics Ver 4.2	Bluetooth LE Ver 5.0	NFMI Radio
Frequency of operation	2402MHz to 2480MHz	2402MHz to 2480MHz	10.56MHz
Channel bandwidth	1MHz	2MHz	400kHz
Number of channels	79	40	1
Modulation	GFSK, $\pi/4$ DQPSK, 8DPSK	GFSK	D8PSK
Channel technique	FHSS	FHSS	TDMA
Transmitter Power	-2.5dBm ERP	-5dBm ERP	9.9dBuV/m (30m) Field Strength
Receiver Sensitivity	-85dBm	-88dBm	NA

Guidance and Manufacturer's Declaration – Electromagnetic Emissions			
The IQbuds 2 PRO hearing aid is intended for use in the electromagnetic environment specified below. The customer or the user of the IQbuds 2 PRO hearing aid should assure that it is used in such an environment.			
Emissions Test	IEC60601 test level	Compliance Level	Electromagnetic environment guidance
RF emissions CISPR 11	Group 1	Group 1	The IQbuds 2 PRO hearing aid uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	Class B	The IQbuds 2 PRO hearing aid is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class A	Class A	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies	Complies	

Features per ANSI/CTA 2051-2017

Feature Category	The IQbuds 2 PRO Hearing Aid
Fixed or Level Dependent Frequency Equalization	Includes level dependent frequency equalization that is adjusted via user controls. Ear ID provides the ability to personalize, control and alter your soundscape. It is a certified hearing assessment within the IQbuds app that assesses your hearing, shows your results and calibrates your hearing aid for you. World EQ allows each user to access different audio equalisation settings that boost or reduce treble and bass sounds for personalised noise cancellation.
Level Dependent Gain/Compression	The IQbuds 2 PRO hearing aid features a 12 band WDRC (Wide Dynamic Range Compression) System. WDRC makes soft speech sounds more audible, while louder sounds remain comfortable. This allows IQbuds 2 PRO users not to have to make as many manual adjustments over the volume of their buds, as louder sounds will not be amplified beyond tolerance levels.
Signal-to-Noise Ratio Enhancement	IQbuds 2 PRO hearing aid directional microphones emphasize sounds directly in front of you and suppress sounds from other directions with the FOCUS feature. Includes SINC (Speech In Noise Control) to reduce background noise and clarify speech in hearing aid signal processing.
Noise Reduction	Includes Hybrid Active Noise Cancellation (ANC).
Feedback Control	Uses algorithms to cancel feedback and lower gain of the hearing aid if the feedback cannot be cancelled.
Personalization	Self-fitted by the user via either an app on a smart device (phone or tablet). The Ear ID feature in the IQbuds app allows you to measure and analyze your hearing thresholds, then configure the IQbuds 2 PRO hearing aid to reflect your own personal hearing profile. At the core of the Ear ID personalization system is the NAL-NL2 self-fitting formula.
Coupling to the Ear	Uses a closed fit with silicone and Memory Foam Ear Tips that have been ergonomically designed to fit most ears with a snug fit. Assess your hearing and adapt your buds to your own hearing profile. The Ear Tips rest against the entrance of the ear canal.
Wireless Connectivity	Uses by RF wireless and Bluetooth technology for receiving and transmitting streamed audio between the hearing aids and for exchanging sound and control data to a paired mobile device.

Guidance and manufacturer's declaration – Electromagnetic Immunity

The IQbuds 2 PRO hearing aid is intended for use in the electromagnetic environment specified below. IQbuds 2 PRO hearing aid users and customers should ensure it is used in such an environment. Criteria A=No Impact, B=Minor Impact, C=May need to be restarted

Immunity Test	Compliance Level to IEC 60601	Criteria	Pass Level
Electrostatic discharge (ESD) IEC 61000-4-2	+ 8 kV contact + 15 kV air	C	C
Radiated RF EM Fields IEC 61000-4-3	10V/m 80 MHz – 2.7 GHz 80% AM at 1 kHz	A	A
Proximity fields from RF Wireless Communications equipment IEC 61000-4-3	9V/m 710,745,780 MHz Pulse modulation 18 Hz 9V/m 5240,5500,5785 MHz Pulse modulation 217 Hz 27V/m 385 MHz Pulse modulation 18Hz 28V/m 450 MHz FM +/- 5 kHz deviation; 1 kHz sine 28V/m 810,870,930 MHz Pulse modulation 18 Hz 28V/m 1720,1845,1970,2450MHz Pulse modulation 217 Hz	A	A
Electrical Fast Transient/Burst IEC 61000-4-4	+ 2 kV for ac power supply lines + 1 kV for input/output lines 100 kHz repetition frequency	C	C
Surge IEC 61000-4-5	+ 0.5, 1 kV line(s) to line(s) + 0.5, 1, 2 kV line(s) to earth	C	C
Conducted disturbances induced by RF fields; IEC 61000-4-6	3V 0.15-80 MHz 6V in ISM and amateur radio bands between 0.15 MHz and 80 MHz 80% AM at 1kHz	A	A
Voltage dips IEC 61000-4-11	0 % UT for 0.5 cycle 0, 45, 90, 135, 180, 225, 270 and 315° 0 % UT for 1 cycle 0° 70 % UT for 25/30 cycles 0°	B	B
Voltage Interruptions IEC 61000-4-11	0 % UT for 250/300 cycles 0°	B	B
Power frequency (50/60 Hz) magnetic field; IEC 61000- 4-8	30 A/m 50 or 60 Hz	A	A

NOTE UT is the a.c. mains voltage prior to application of the test level.

Regulatory Compliance Information

FCC Part 15

NOTE: 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.

Changes or modifications not expressly approved by Nuheara Limited could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device complies with FCC and Industry exposure limits set forth for general population. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.




Left Hearing Aid

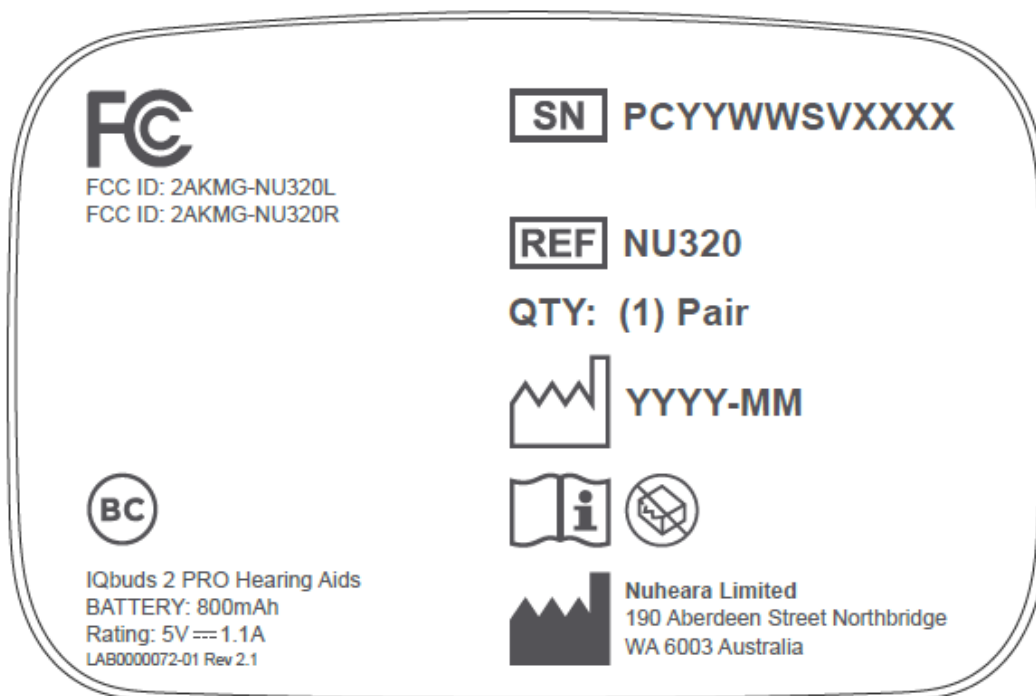
FCC ID: 2AKMG-NU320L

Right Hearing Aid















FCC ID:2AKMG-NU320R

Country	Type Approval	Regulatory Mark / Logo
Global	<p>The IQbuds 2 PRO hearing aid complies with the following with domestic and international regulations for medical devices:</p> <p>IEC 60601-1:2005 Ed3+C1, C2, A1, IEC 60601-1-6, IEC 60601-1-11, IEC 60601-1-2</p> <p>4th Edition, FCC 47 Part 15.247</p> <p>Classification: Type B Applied Part, IEC 60601-2-66</p> <p>The IQbuds 2 PRO hearing aid has no essential performance. The testing performed above has been in accordance with IEC 60601-1-2:2014 (4th Ed). The values identified during this evaluation were found to be within acceptable specified ranges.</p>	

Charge Case Markings



Symbols and Descriptions

Symbol	Description
	Review operating instructions prior to use
	Warnings/Cautions
	Catalog Number
	Serial Number
	Do not use if packaging is damaged.
	Temperature limits of the device
	Consult Instructions For Use
	Magnetic fields warning about causing interference with cardiac pacemakers, implanted defibrillators (ICD's) and other implants
	Manufacturer
	Date of manufacture
	Contains small parts which may be a choking hazard. Not suitable for children under 3
	Type B applied part
	FCC compliance symbol
	California Energy Commission Compliance symbol

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Made in Malaysia

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