

( ) breggz™

ZOHN-1  
User Manual



# Breggz™ ZOHN-1™: For your ears only

First, we asked: What if we could bring professional sound to your personal in-ear hearables?

Then, we answered: Hearables that combine groundbreaking sound quality, aesthetics and experience.

## **Our vision – Unwired. Uncompromising. Unconfined.**

Breggz breaks free from the high-end audio status quo by going wireless. By taking high-end audio out of its constraints and introducing it into the everyday. By opening it up.

We open up the world of high-end audio. Our ears have the power to deepen everyday experiences. We aim to harvest that power. By bringing groundbreaking sound into your personal hearables.

Wireless in-ear-computers for your ears only. We created the world's first fully wireless custom-made in-ear-computer. Professional sound, personalized for your ears. Circular, sustainable and smart. For endless possibilities.

Breggz. Unconfined audio. Our fully custom-made hearables are crafted without making any compromises. We believe the best things are created when we let go of constraints. When we liberate our imagination and open up to new possibilities.

Breggz allows you to listen beyond the familiar.

We created the next level of hearables. We created the world's first fully wireless custom-made in-ear-computer. Groundbreaking sound, custom-made for your ears only. A luxury hearable, with endless possibilities.

**Professional audio experience:** A full-spectrum sound that immerses you in the music. Hear every note, pitch and tone, high and low with a rich bass. ZOHN-1 offers professional sound, personalized for your ears.

**Endless functionalities:** Zohn - 1 is much more than a hearable, it's an in-ear-computer offering smart luxury. It combines elegant design with endless functionalities. Our voice-activated personal assistant allows you to do things on the go and completely hands-free. No need to take your phone from your pocket or bag.

**Custom-made:** Zohn - 1 is always uniquely shaped to fit your ears for a perfect personalized fit and sealing. With our fully digital fitting process, you can simply scan your ears with the camera on your phone. The customizable Zohn - 1 case allows you to match it to your unique, personal style.

## Unleash a new level of personal hearables.

### Contents

1. What's in the box.....	6
2. IT'S ALL ABOUT THE FIT .....	7
2.1. Selecting the Correct Ear Tip .....	7
2.2. Proper Insertion .....	7
2.3. Check the seal .....	7
2.4. Change the Ear Tips .....	8
3. POWER ON AND PAIR WITH PHONE.....	9
3.1. Power On.....	9
3.2. Open charger doors .....	10
3.3. Pair with Phone.....	10
3.4. Pair with other devise.....	11
3.5. Power off, Store and recharge .....	11
3.6. Power Saving Mode.....	11
3.7. Deep Sleep Mode .....	12
3.8. Reset .....	13
4. BREGGZ APP SETUP .....	13
4.1. Download the Breggz control App.....	13
4.2. Customize the Breggz App.....	15
4.3. Action Button Icon.....	15
4.4. Super Hearing Icon .....	15
4.5. Parametric Equalizer Icon (coming soon) .....	16
4.6. Head Moves Icon .....	16
4.7. Voice Control Icon.....	16
4.8. Low latency Icon .....	16
5. TOUCH CONTROL.....	17
5.1. Touch Surface Area.....	17
5.2. Basic Touch Control .....	18
5.3. Advanced Touch Control .....	20
5.4. Gesture Mode (Coming soon).....	21

5.5.	Touch Control Matrix .....	22
5.5.1.	Matrix A: Media Not Connected to Bluetooth .....	22
5.5.2.	Matrix B: Media Connected to Bluetooth.....	23
5.5.3.	Matrix C: Phone Calls Connected to Bluetooth.....	25
5.6.	Call Notifications .....	26
5.7.	Accessing the Voice Assistant on your Device.....	26
6.	VOICE CONTROL .....	26
6.1.	Media .....	27
6.2.	Phone Calls.....	28
6.3.	Call Notifications .....	29
6.4.	Accessing the Voice Assistant on your Device.....	29
7.	HEAD GESTURE CONTROL .....	29
7.1.	Media and Phone Calls.....	29
8.	TRANSPARENCY.....	30
8.1.	Activate and Adjust Transparency.....	30
8.2.	Transparency Sidekicks .....	30
9.	NOISE CANCELLATON.....	30
9.1.	Activate and Adjust Noise Cancellation (beta) .....	31
9.2.	Noise Cancellation While on a Call .....	31
9.3.	Noise Cancellation Without Media or Telephony.....	31
10.	BATTERY .....	32
10.1.	Charging the ZOHN-1 Ear-computers .....	32
10.2.	Maximizing Battery Life .....	32
10.3.	Charging the Charger Case.....	33
10.3.1.	Charging with an approved USB-C .....	33
10.3.2.	While Using a Qi Charging Mat.....	33
10.4.	Check the Ear-computer Battery Level.....	34
10.4.1.	While Using the ZOHN-1 Ear-computers .....	34
10.4.2.	While charging the ZOHN-1 Ear-computers.....	34
10.4.3.	Battery Status Level of Zohn ear-computers .....	34
10.5.	Check the Charger Case Battery Level .....	36
10.5.1.	Battery Status Level .....	36
10.6.	Charging Time .....	38

10.6.1. Ear-computers charging .....	38
10.6.2. Charging Case .....	39
11. EAR-COMPUTER AND CHARGING CASE STATUS.....	39
11.1. ZOHN-1 Ear-computer LED Light Status.....	39
11.1.1. LED Light Status Patterns.....	39
11.1.2. LED Light Status Matrix .....	40
11.2. ZOHN-1 Ear-computer Voice and Sound Status .....	41
11.3. Charging Case Status .....	43
12. BLUETOOTH CONNECTIONS .....	44
12.1. Connect Using the Breggz App .....	44
12.2. Connect Using the Bluetooth Menu on Your Mobile Device .....	44
12.3. Disconnect Mobile Device .....	45
12.4. Reconnect Mobile Device.....	45
12.5. Clear the ZOHN-1 Ear-computer Device List .....	45
13. CARE AND MAINTENANCE .....	45
13.1. Store the ZOHN-1 Ear-computers .....	45
13.2. Clean the ZOHN-1 Ear-computers and Charging Case .....	45
13.3. Replacement Parts and Accessories.....	46
13.4. Limited Warranty .....	46
13.5. Warranty Limitations.....	47
14. IMPORTANT SAFETY INSTRUCTIONS .....	47
14.1. Important Safety Instructions.....	47
14.2. Warnings/Cautions  .....	48
15. REGULATORY AND LEGAL INFORMATION.....	51
15.1. Regulatory Compliance Information .....	51

## 1. What's in the box

The following items are included in your shipment:

- A pair of ZOHN-1 Ear-computers
- A ZOHN-1 Charging Case
- Ear-Tips Sized (XXS, XS, S, M, L, XL)
- Accessory leather pouch
- Polishing cloth and brush



If any of these items are damaged or missing, please do not use the product.

We kindly ask that you contact Breggz immediately at [support@breggz.com](mailto:support@breggz.com)

## 2. IT'S ALL ABOUT THE FIT

Your Breggz ZOHN-1 is already custom fit based on your personal ear scan. This is a unique starting point to create the perfect in ear fit. To top it off, literally, pay attention to selecting the correct ear tip.

### 2.1. Selecting the Correct Ear Tip

Choosing the correct ear tip for your ZOHN-1 ear-computer is essential to maximizing sound quality, transparency, and Active Noise Cancellation (ANC) performance. For this reason, Breggz has included six ear tip options to accommodate virtually any ear size. These sizes range from XXS, XS, S, M, L, and XL. We have placed the M (medium) size on the ZOHN-1 ear-computers. Try them on with this set first and then decide if you need to select a smaller, or larger ear tip.

The ear tip should feel comfortable and secure in your ear but most importantly, it must provide a continuous seal within your ear canal. If the size feels too loose or too tight or the sound quality isn't as expected, you should experiment with a different ear tip size.

NOTE: It is quite common for a person's left and right ear to not be the same size. You may need to try different sized ear tips between your two ears.

### 2.2. Proper Insertion

1. The custom ZOHN-1 ear-computer should be inserted within the ear canal with the ear-tip pointing down and the Breggz logo outwards.
2. Gently insert the ZOHN-1 ear-computer into the ear canal, pressing forward toward the ear canal, wiggling gently as you push, until the ear tip is deeply and securely inside the ear canal and a comfortable seal has been achieved.
3. When properly inserted, the ZOHN-1 ear-computer should completely seal the ear as though you have plugged your ear with your fingers to block out all external sound. You have a proper seal if you can gently tug on the ZOHN-1 ear-computer and it doesn't want to release from your ear due to suction.

### 2.3. Check the seal

To check the fit and seal of your ZOHN-1

## FIT

## WHAT TO CHECK

	<p>When the ear tip fits properly:</p> <ul style="list-style-type: none"><li>• The ear tip is deeply inserted in the ear canal to create a comfortable seal.</li><li>• Background noise should sound muffled and most high frequencies will not be heard.</li><li>• The ear tip will make suction on the interior of your ear canal if you gently tug on the ZOHN-1 ear-computer. You should feel the sensation of a slight pop when you remove the ear tip from your ear.</li><li>• Music will sound full, with robust bass performance, even at very low volume levels.</li></ul>
Proper Fit	<p>When the ear tip is too large:</p> <ul style="list-style-type: none"><li>• The ZOHN-1 ear-computer will not fit far enough into the ear canal and may stick out. It will not feel secure.</li><li>• The air seal may be compromised resulting in low volume, and/or lack of bass.</li><li>• The ZOHN-1 ear-computer will place undue pressure on the tragus portion of the ear causing discomfort.</li></ul>
Too Large	<p>When the ear tip is too small:</p> <ul style="list-style-type: none"><li>• Sound is not fully muffled in one or both ears resulting in too much of the outside world seeping through.</li><li>• Music playback will lack deep bass response and impact, and both transparency and noise cancelling modes will not work properly.</li><li>• The ZOHN-1 ear-computer will feel loose or fall out when you move your head.</li></ul>
Too Small	

## 2.4. Change the Ear Tips

To change ear tips from the ones currently on your ZOHN-1

1. Place the ZOHN-1 on the table and the other ear tips on the table in front of you so you can easily see the different sizes
2. Select an ear tip size smaller or larger than the ones on your ZOHN-1.
3. To remove the ear tip, gently squeeze the ear tip between your fingers and stretch it back away from the audio tube
4. Take a new set of smaller or larger ear tips and gently push onto the tapered front of the audio tube nozzle and press until the ear tip securely seats into place.
5. Insert the ZOHN-1 ear-computers into your ears (see below)
6. Check the seal again



NOTE: Remember to experiment with different ear tip sizes to ensure a proper seal. The ZOHN-1 ear-computers are precision listening instruments, and they must have a perfect seal, or they will not perform as designed and engineered.

### 3. POWER ON AND PAIR WITH PHONE

To start up and use your ZOHN-1 ear-computers

#### 3.1. Power On

To start using your ZOHN-1 for the first time, press and hold the button on the front of the charger case for 1 full second to place the ZOHN-1 ear-computers into Wake Mode. Remove your finger from the button. Approximately 2 seconds later, observe that LED indicator lights go around one time and stops at Charger battery level indication (example: 3 out of 6 LED's = 50%)

NOTE:

Failure to observe proper power on sequence for the ZOHN-1 ear-computers may result in one or both of the ZOHN-1 ear-computers not being fully awake upon removal from the charger case. In such event, simply place the non-awakened

ZOHN-1 ear-computers back in the charger case for two seconds and remove a second time.

When you remove the earbuds from the charger case, close the two charger case doors in order to preserve the battery life of the charger case and to keep the case free of debris.

### 3.2. Open charger doors

Open both doors of the charger and observe the LED light goes around two times; first time awaken in-ear-computers, and second round LED indication for the in-ear-computer battery level (example 6 LED's of 6 is 100% charged)

Now your ZOHN-1 ear-computers have been successfully awakened from Sleep Mode (observe the orange light on the in-ear-computers), they are fully booted, paired to one-another, and are ready to be removed from the charger case for in-ear use.

### 3.3. Pair with Phone

Open your phone and activate Bluetooth and go to settings where you see all Available Bluetooth connections.

After successfully completing the Power On sequence for the very first time, the ZOHN-1 ear-computers should have awakened in pairing mode.

Pairing Mode on the ZOHN-1 ear-computers is visually discernable because the LED indicator lights in the audio tubes of the ZOHN-1 ear-computers will be alternating orange to white to orange.

If the LED indicator lights are not alternating, the ZOHN-1 ear-computers are not in Pairing Mode. To manually place the ZOHN-1 ear-computers into Pairing Mode, you can do one of the following:

- Open both doors, wait for LED lights to go two rounds
- Take out the ZOHN-1 in-ear-computers (low tree: Left, high tree: Right)
- Press on the Breggz logo ( ) for 3-5 seconds
- Pairing mode, alternating orange, white LED light on the in-ear-computer
- Identify your unique pair 'Breggz#####' on your phone and select.

The LED indicator lights on the ZOHN-1 ear-computers will flash three times to indicate that you have successfully paired them to your device when they are not inserted.

If placed in your ears, once you have enabled ZOHN-1 ear-computers from the source device list, you will hear the voice prompt from the ZOHN-1 ear-computers

- “Full battery (or percentage of battery)- Now We’re Talking”

### 3.4. Pair with other devise

After pairing the ZOHN-1 ear-computers to a source device, they will reconnect to that device immediately upon removal from the charging case after the normal Power On sequence, providing the source device Bluetooth connection is enabled.

NOTE: If the ZOHN-1 ear-computers are within range of a previously paired phone or other source device, they will attempt to automatically re- connect to that source. To put them back into Pairing Mode, select ZOHN-1 from the list of paired Bluetooth devices and select disconnect. This will release the Bluetooth connection and allow the ZOHN-1 ear-computers to automatically re-enter Pairing Mode to pair with another devise.

### 3.5. Power off, Store and recharge

To power off, store and recharge ZOHN-1.

1. Place both ZOHN-1 ear-computers back into the charger case. Note that:
  - a. “Left is Low”: Left ear-computer is placed on Lower tree with ear tip up
  - b. “Right is High” Right ear-computer is place on Higher tree with ear tip down
2. We recommend this be done one at a time you are not using the ZOHN-1 to ensure the ear-computer is properly seated for charging.
3. Next, close the charger case door to secure the ZOHN-1 ear-computer in the charger case. Once both doors are closed, the LED light indicator on the ZOHN-1 charger will illuminate for approximately 4 seconds and then extinguish.

This means the ZOHN-1 ear-computer is properly seated, recognized by the smart charger, and now charging.

NOTE:

- If the charger case battery is completely empty, the ZOHN-1 ear-computers will not automatically turn off when placed into the charger case. You will need to turn them off manually with a 9 second hold on the ZOHN-1 ear-computer touch-face.
- The ZOHN-1 ear-computers automatically disconnect from your Bluetooth device when they are placed in the charger case. This is normal and expected behavior.

### 3.6. Power Saving Mode

The ZOHN-1 ear-computers will go into Power Saving Mode when you remove them from your ears and when Bluetooth is disconnected from the phone settings screen.

The ZOHN-1 ear-computers will enter Power Saving Mode after 5 minutes provided that they are not moved during this time.

When you next pick them up, the internal motion sensors will automatically power your ZOHN-1 ear-computers back up, and they will attempt to pair with the last known device the ZOHN-1 ear-computers were connected to.

NOTE: Make sure that you have re-enabled Bluetooth on your phone's settings screen for automatic pairing.

### 3.7. Deep Sleep Mode

In Deep Sleep Mode, the processors on both the ZOHN-1 ear-computers and the charger are in the very lowest mode of power consumption and can exist in this state for several weeks without needing to charge.

Deep Sleep Mode allows you to fully power down the ZOHN-1 ear-computers without placing them into the charger case. This is useful if the ZOHN-1 ear-computers are carried independent of the charger case and movement of the loose ZOHN-1 ear-computers would trigger the motion sensor and wake them back up.

To enter Deep Sleep Mode without the charger case

1. Press a 9 second hold across the entire touch-face of the ZOHN-1 ear-computer with your finger. At the end of the hold, the ZOHN-1 ear-computer will flash its LED indicator light 3 times to indicate power down.

You may also force the ZOHN-1 ear-computers into Deep Sleep Mode when they are in the charger case. This is useful if you plan to put the ZOHN-1 ear-computers away for a long time or ship them.

1. Place the ZOHN-1 ear-computers into the charger case, close the charger case doors, and wait 4 seconds for both LED indicator lights, which are visible through the charger case door lens, to extinguish.
2. Next, firmly press and release the button of the charger case twice. You will see the charger case LED indicator lights 1, 3, and 5 (left to right) flash twice. This indicates that both the charger, and the ZOHN-1 ear-computers have entered Deep Sleep Mode.

NOTE: If the LED light indicators 1 or 5 do not illuminate on the second flash, the ZOHN-1 ear-computers are not registering as present in the case and the ZOHN-1 ear-computers have not been put into Deep Sleep Mode.

NOTE: While in Deep Sleep Mode, the ear-computers will not respond to "wake on movement."

The ZOHN-1 ear-computers will remain in Deep Sleep Mode until:

- You wake them using a 3 second hold on the touch-face of each ZOHN-1 ear-computer.

NOTE: If the ZOHN-1 ear-computers are not inserted, the red LED indicator light on the ZOHN-1 ear-computer will flash indicating that they are in Wake Mode. A voice prompt will read the ZOHN-1 ear-computer battery level to indicate Wake Mode if they are inserted.

- You wake them from the charger case using a one second hold of the charger button for normal Power On

NOTE: The LED light indicator number 2 and 4 on the charger case will flash indicating the ZOHN-1 ear-computers are awake and ready to remove from the case.

### 3.8. Reset

If you need to reset your ZOHN-1 ear-computers

- Place both ZOHN-1 ear-computers in the charger case and hold the charger case button down for 10 full seconds. The LED light indicator on the charging case will count around the button for each second,
- When button is released after completing 10 second press all LED's flash counterclockwise one full round = reset complete.

## 4. BREGGZ APP SETUP

To enjoy all the functionalities of the ZOHN-1, download the Breggz control app!

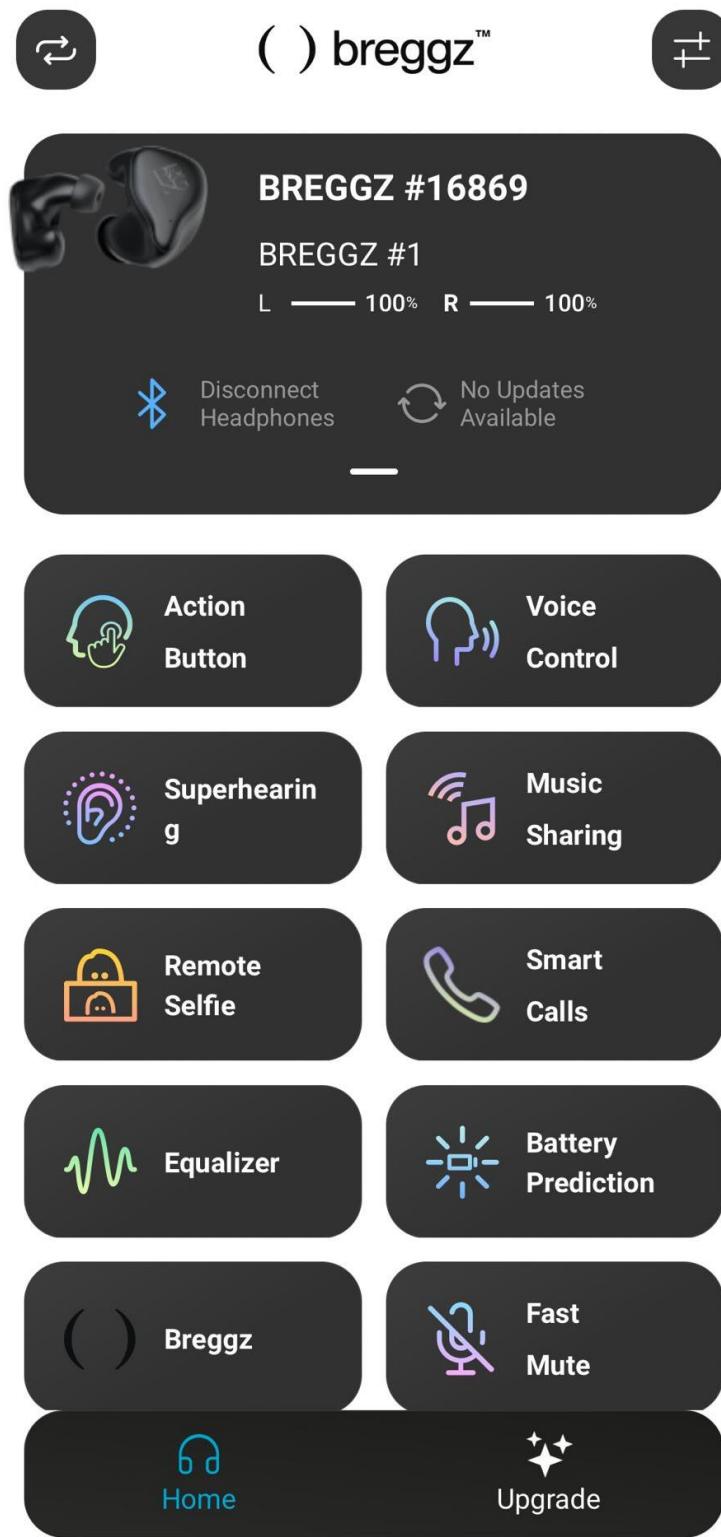
### 4.1. Download the Breggz control App

On your mobile device, download the Breggz control app from the Apple or Google store.



The Breggz app lets you set up and control the earbuds from any IOS or Android smartphone. Using the Breggz app, you can manage Bluetooth connections, manage earbud settings, adjust the audio, select your equalization settings via Set It and Forget It, toggle voice control on/off, toggle head gestures on/off to control various macros, manage touch-gesture mapping, check battery life, as well as get updates and new features.

To rename your personal ZOHN-1, click 'settings' on the top right corner In the Breggz app, and select 'rename headphones'



## 4.2. Customize the Breggz App

The Breggz control app allows you to use every aspect of your ZOHN-1

If you prefer, you can also customize all settings, programming each of the ZOHN-1 app icons allows you to maximize functionality as well as create a truly personalized experience.

NOTE: The battery level of each ZOHN-1 ear-computer is displayed at the top of the Breggz app.

## 4.3. Action Button Icon

Each ZOHN-1 ear-computer can be individually programmed using the Action Button Icon to automate functionality by mapping or re-mapping various touch gestures to correspond with and control other programmable features

You can read the three (3) pre-set actions for Left and Right ear separately

- Single press
- Double press
- Short hold

You can choose to keep the pre-selected actions or change to your personally preferred actions from the list. To reset to original presets, scroll down to the bottom of the list and select reset.

New action functions coming soon:

I.F.T.T.T. functions and MIDI connected devices through enhanced gesture functionality mode are coming soon

## 4.4. Super Hearing Icon

Select the super Hearing function to turn on/off ‘transparency’.

When Transparency is “off” your custom fit ZOHN-1 provides a superior passive noise cancellation,

When transparency in “on” you can increase and decrease (+/-) to adjust the level of hearing the surroundings.

Please note: if you take the ZOHN-1 out of your ears during transparency mode, you will get a high beep-sound feedback loop.

ANC (beta)

The option to turn on Active Noise Cancellation (ANC) - beta

## 4.5. Parametric Equalizer Icon (coming soon)

The Parametric Equalizer Icon to adjust up to ten different frequencies via full parametric equalization, similar to what producers utilize in a professional Digital Audio Workstation (DAW) environment. Parametric equalization allows the user to precisely set any frequency as the center band for a given filter, set the Q-factor of the filter (how broad, or narrow the slope of the curve), and finally set the gain for that filter (between -12db and +12db).

ZOHN-1 ear-computers will offer the most powerful equalization ever available in a wireless in-ear device. This is possible because the ZOHN-1 ear-computers come with sophisticated multi-core processors and substantial on-board memory.

For the true audiophile, the Set It and Forget It™ (patented) function, allows you to tailor sound frequencies for specific songs, artists, or genres and automatically store them. The next time audio from a recognized genre, artist, or track is delivered by the source device, the ZOHN-1 ear-computers will recognize that content and immediately recall the correct equalization settings previously stored.

## 4.6. Head Moves Icon

Head gestures can be engaged using the Head Moves Icon which allows you to use head gesture commands to control various functionality. Use the app to calibrate three different head gestures to engage this feature.

## 4.7. Voice Control Icon

The Voice Control Icon allows you to set up and initiate voice control activities for media playback, telephony, and more. You can also activate the voice-training module to fine-tune voice pick up for your unique voice, and to activate/deactivate call announcements through the ZOHN-1 ear-computer.

- “Hey PA” (Personal Assistant)

## 4.8. Low latency Icon

Enable low-latency Bluetooth audio between your ZOHN-1 ear-computers and connected device. Enjoy games or watch movies with perfectly synchronized audio, either permanently or for one listening session only.

NOTE: Activation of this feature consumes approximately 25% more battery.

## 5. TOUCH CONTROL

Use touch control by tapping, swiping, or holding the touch surface area of either ZOHN-1 ear-computer. With touch control, you can play/pause audio, change the volume, skip tracks, perform basic call functions, adjust noise cancellation, and initiate Gesture Mode

NOTE: Touch Gesture functionality mapping is displayed within the Action Button Section of the Breggz app. Some gestures are programmable from within the app.

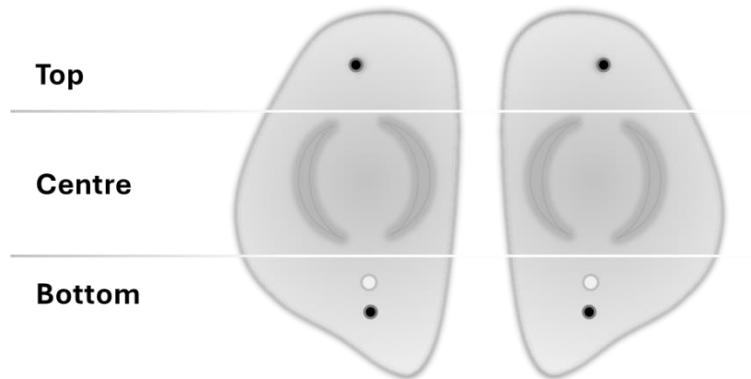
Coming soon:

ZOHN-1 ear-computers can be turned into a remote control for other apps and internet connected devices I.F.T.T.T (If this then that)

### 5.1. Touch Surface Area

The touch surface is located on the logo face of both ZOHN-1 ear-computers. It controls media playback, volume, phone calls, transparency and noise cancellation activation toggling, and Gesture Mode.

There are three touch areas on each of your Breggz

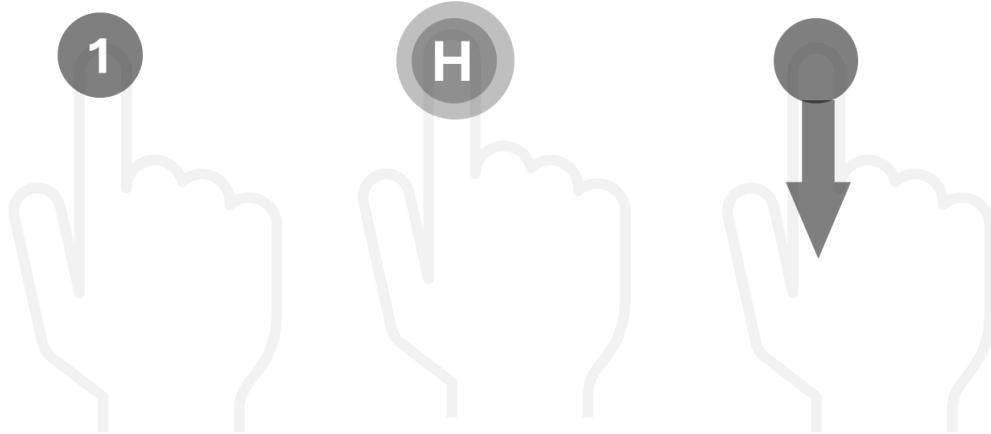


There are three different types of motions

**Tap**  
1-2-3 times

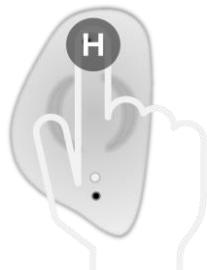
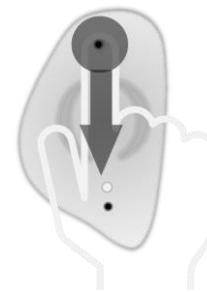
**Hold**  
3 – 6 - 9 seconds

**Swipe**  
Down or Up



## 5.2. Basic Touch Control

CONTROL	DESCRIPTION	ACTION
Single Touch	Place your finger on the entire touch surface area and release quickly.	<b>1x Touch, release</b> 
Double Touch	Place your finger on the entire touch surface area, release, and repeat within 1 second.	<b>2x Touch, release</b> 

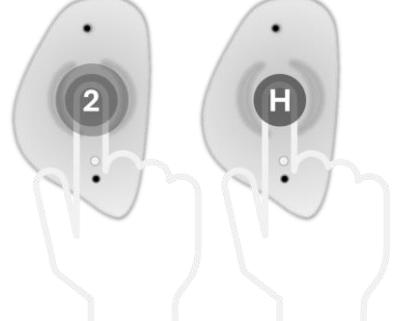
Hold	Place your finger on the entire touch surface area and hold 3, 6, 9, 12 seconds (length of hold corresponds to different functions).	Center + <b>hold</b> : 3, 6, 9, 12 sec 
Rocker Forward	Place your finger on the front of the touch surface area, then release. Leaving your finger down to hold the rocker will cause it to repeat until you release.	Bottom + <b>hold</b> = Rock forward 
Rocker Backward	Place your finger on the rear of the touch surface area, then release. Leaving your finger down to hold the rocker will cause it to repeat until you release.	Top + <b>hold</b> = Rock backward 
Swipe Forward	Place your finger on the rear of the touch surface area, wait for the low xylophone tone, then slide finger forward to the front touch area before releasing.	Swipe Down release = Forward 

Swipe Backward	Place your finger on the front of the touch surface area, wait for the high xylophone tone, then slide finger backward to the back touch area before releasing.	Swipe up: Backward 
----------------	---	------------------------

### 5.3. Advanced Touch Control

Length of hold corresponds to different functions (see Action Button in Breggz app).

CONTROL	DESCRIPTION	ACTION
Swipe and Hold	Swipe either forward or backward (as described above), lift your finger, and then touch and hold on the entire touch surface area within 1 second, continue holding for 3, 6, 9, 12 sec.	<b>Swipe + release + touch hold</b> 
Touch + Touch & Hold	Place your finger on the entire touch surface area and release quickly. Place your finger back on the entire touch surface area and hold, then release after 3, 6, 9, or 12 sec.	Touch, release, touch and hold 

<p><b>Double Touch + Touch &amp; Hold</b></p>	<p>Place your finger on the entire touch surface area and release quickly. Repeat. Then, place your finger back on the entire touch surface and hold, then release after 3, 6, 9, or 12 sec.</p>	<p>2x Touch release + hold</p> 
---	--	--

## 5.4. Gesture Mode (Coming soon)

Gesture Mode routes gestures directly to the Breggz app for further processing. Within the Breggz app, you can map various gestures to correspond with and control other programmable features, such as

I.F.T.T.T. recipes or MIDI interface (coming soon).

To initiate Gesture Mode, double touch the ZOHN-1 ear-computer.

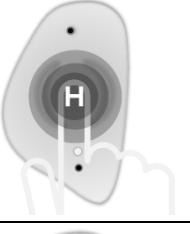
The ZOHN-1 ear-computer will remain in Gesture Mode until it receives another double touch which will return it to standard mode.

**NOTE:** You can put one or both ZOHN-1 ear-computers into Gesture Mode or You may choose to leave one computer in standard mode to handle music and telephony controls, while placing the other in Gesture Mode wherein that computer's controls are mapped to external apps or internet connected functions through I.F.T.T.T. or MIDI interface (coming soon).

## 5.5. Touch Control Matrix

### 5.5.1. Matrix A: Media Not Connected to Bluetooth

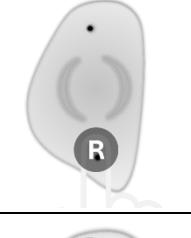
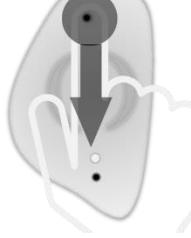
These commands are active when the ZOHN-1 ear-computer is powered on, but **not** connected to Bluetooth

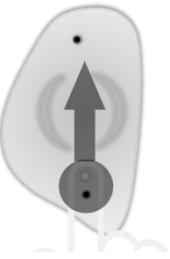
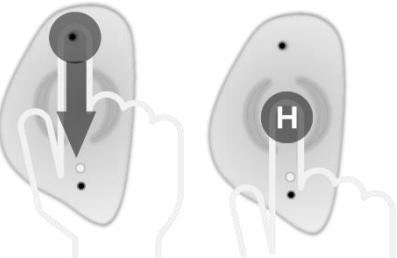
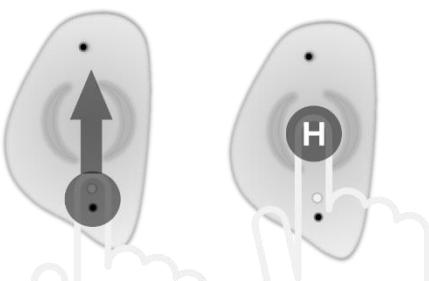
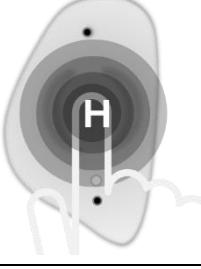
CONTROL	ACTION	
Turn Gesture Mode On/Off	Double Touch	
Power On (from Off state)	Hold <b><u>3 Seconds</u></b>	
Bluetooth Pairing (from On state)	Hold <b><u>6 Seconds</u></b>	
Air Pairing	Double Touch Hold <b><u>3 Seconds</u></b>	
Reset Ear-computer	Double Touch Hold <b><u>6 Seconds</u></b>	

### 5.5.2.Matrix B: Media Connected to Bluetooth

These commands are active when the ZOHN-1 ear-computer is powered on and connected to Bluetooth.

CONTROL ACTION

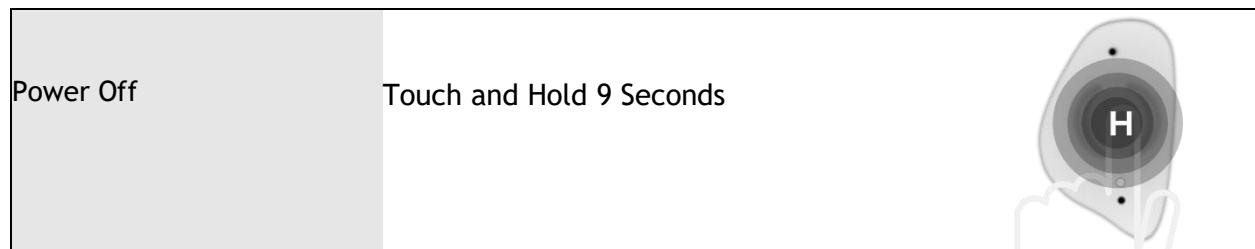
Play/Pause Media	Single Touch	
Turn Gesture Mode On/Off	Double Touch	
PROGRAMMABLE in the App	Triple Touch	
Volume Up	Rocker Up	
Volume Down	Rocker Down	
Next Track	Swipe Forward	

Previous Track	Swipe Backward	
Fast Forward	Swipe DOWN ; release. Then (within 1 sec.) Hold. fast forward until release.	
Rewind	Swipe UP; release. Then (within 1 sec.) Hold. Music will rewind until you release the hold.	
PROGRAMMABLE in the App	Touch and Hold <b>3 Seconds</b>	
Bluetooth Pairing	Touch and Hold <b>6 Seconds</b>	
Power Off	Touch and Hold <b>9 Seconds</b>	

### 5.5.3. Matrix C: Phone Calls Connected to Bluetooth

These commands are active when the ZOHN-1 ear-computer is powered on and connected to Bluetooth.

CONTROL	ACTION
Accept/End Call	Single Touch
Turn Gesture Mode On/Off	Double Touch
Reject Call	Hold 3 Seconds
Caller Volume Up	Rocker Up
Caller Volume Down	Rocker Backward
Mute	Touch and Hold 3 Seconds Both Ear-computers



## 5.6. Call Notifications

1. To activate call notifications, open the Breggz app and select the Voice Control Icon Button in the Breggz app.
2. Next, tap the Activate Announce Calls button.
3. Once you have engaged the Announce Calls Button, the Breggz app will walk you through a series of steps to activate call notifications.

When call notifications is activated, a voice prompt announces incoming callers and call status.

## 5.7. Accessing the Voice Assistant on your Device

The voice assistant such as Siri, Alexa, or Google can be accessed through touch or voice command

Touch command can be accessed by a 3 second hold or a triple tap of the touch user interface. This is configured within the Breggz app by selecting the Action Button Icon.

To activate using voice command, simply say,

- “Hey, PA” (Personal assistant),”
- English pronunciation “PEE + AY”
- Phonemic /pi:'eɪ/

and then speak after hearing your phone device’s confirmation tone

## 6. VOICE CONTROL

Voice Control allows you to control your device using your voice. Through Voice Control, you can play/pause media playback, change the volume, skip tracks, perform basic call functions, toggle transparency and ANC functionality, summon your phone’s Siri, Alexa, or Google voice assistant, and more.

1. To activate voice control, open the Breggz app and touch the Voice Control Button Icon.

2. Next, toggle the Voice Control switch at the top of the Voice Control window to the On position.

Once Voice Control has been activated, you can use voice commands to control your ZOHN-1 ear-computers. When using voice control, you must first state the wake word, “**hey, PA**” prior to saying a command word, such as “Next Track.” The list of command words is available within the Breggz App.

NOTE: Voice commands will not function without first stating the wake word

- “**Hey, PA.**”
- “**Next track**” (as example)
- “**Hey PA**”
- “**Transparency On**”

## 6.1. Media

Hey, PA	Play	Plays media from the most-recently opened media playback app on your phone.
Hey, PA	Pause	Pauses media from the most-recently opened media playback app on your phone.
Hey, PA	Next Track	Advances the media to the next track or chapter.
Hey, PA	Previous Track (within 5 seconds of new track starting or alternately, after 5 seconds into new track.)	Returns you to the prior track or chapter most recently played or resets media to beginning of present track.
Hey, PA	Volume Up	Changes the volume level up by exactly one designation.

Hey, PA	Volume Down	Changes the volume level down by exactly one designation
Hey, PA	Transparency On	Activates external microphones to allow sounds from your environment into your ears.
Hey, PA	Transparency Off	Turns the external environmental microphones off.
Hey, PA	ANC On	Turns the Active Noise Cancellation (ANC) circuit on (adjustable within the Breggz app).
Hey, PA	ANC Off	Turns the Active Noise Cancellation (ANC) circuit off.

## 6.2. Phone Calls

WAKE WORD	COMMAND	ACTION
Not Required During Incoming Phone Call	Accept	Answers incoming phone call without user needing to touch the ZOHN-1 ear-computers nor the phone.

Not Required During Incoming Phone Call	Reject	Rejects incoming phone call without user needing to touch the ZOHN-1 ear-computers nor the phone.
---	--------	---

### 6.3. Call Notifications

To activate call notifications, open the Breggz app and select the Voice Control Icon Button in the Breggz app.

Next, tap the Activate Announce Calls button.

Once you have engaged the Announce Calls Button, the Breggz app will walk you through a series of steps to activate call notifications.

When call notifications is activated, a voice prompt announces incoming callers and call status.

### 6.4. Accessing the Voice Assistant on your Device

Once voice control has been activated, you can access the voice assistant on your device by saying the wake word, “hey, PA,” and then “Assistant”.

## 7. HEAD GESTURE CONTROL

Head gesture control allows you to play/pause audio, change the volume, skip tracks, and perform basic call functions using your just your head

### 7.1. Media and Phone Calls

To activate gesture control, open the Breggz app and touch the Head Moves Icon.

Next, use the Calibrate button to bring up the gesture calibration instruction screen.

Follow the Breggz app instructions to calibrate the ZOHN-1 ear-computers to properly receive head gestures based on the unique way that the ZOHN-1 ear-computers fit into your own ears.

Once the head gesture control has been calibrated, you will be presented with the opportunity to associate various head gesture movements with short-cut activities

such as answering/rejecting phone calls, changing tracks, and even controlling the volume of the ZOHN-1 ear-computer by looking up or down.

## 8. TRANSPARENCY

Transparency mode allows the two external microphones on the ZOHN-1 ear-computers (one facing forward, and one facing reward), then processed through the Tensilica hi-fi DSP's, to pick up and even augment external sounds providing both a natural sounding and yet highly accurate situational awareness. You may even feel like you have "super hearing".

### 8.1. Activate and Adjust Transparency

To activate Transparency Mode, open the Breggz app and select the Super Hearing Icon

Next, select the Transparency button and adjust the slider bar to the right to increase your transparency gain or to the left to reduce transparency.

NOTE: By adjusting the transparency gain past the three-quarter point on the slider bar, you will be able to boost the sound of your environment by 6 dB. This extra boost will allow you to hear louder and more clearly in quiet settings.

### 8.2. Transparency Sidekicks

Your ZOHN-1 ear-computers can be set to automatically engage transparency mode when you pause your music or accept a phone call.

To activate these features, enter the Breggz app and select the Superhearing Icon.

Next, swipe to the left to access the Sidekicks screen and use the check boxes on the right-hand side of the window to activate one or both of these features.

## 9. NOISE CANCELLATION

Noise cancellation reduces unwanted ambient sounds, such as the noise of a car or jet engine, the sound of air being ventilated through HVAC ducts, the sound of conversation in a coffee shop or crowded room, etc. As a result, noise cancellation offers the ability to listen to media content at a substantially lower volume level in such settings.

The unique custom fit of the ZOHN-1 combined with properly fitted and correct sized ear tips and a perfect seal ZOHN-1 ear-computers provide at least -32 dB of passive noise isolation.

That's some of the best natural isolation in the industry and under most circumstances, this natural noise isolation is sufficient to block unwanted noise without requiring the extra power drain of Active Noise Cancellation (ANC) circuitry and software being activated.

For additional noise cancellation in the most demanding circumstances, ZOHN-1 ear-computers offer the ability to switch on full Active Noise Cancellation (ANC) which will then boost total noise cancellation to an industry-leading -38 dB.

NOTE: ANC increases battery consumption approximately 30%.

You can select a custom noise cancelling mode based on your listening preferences and environment.

### 9.1. Activate and Adjust Noise Cancellation (beta)

To activate or adjust noise cancelling mode, open the Breggz app and select the Super Hearing Icon.

Next, select the ANC button from the Super Hearing screen and adjust the slider bar to the right to increase your noise cancellation settings or move the slider bar to the left to reduce noise cancellation.

### 9.2. Noise Cancellation While on a Call

When you receive a call, the ZOHN-1 ear-computers remain in the current noise cancelling mode unless you have set up Super Hearing Transparency Sidekicks to automatically switch over to Transparency Mode

### 9.3. Noise Cancellation Without Media or Telephony

You can use noise cancellation independently without audio or other notification interruptions from your phone. This is particularly useful in situations where you wish to block out any noises that might disturb you. In this mode, the ZOHN-1 ear-computers can last as long as 9 hours

To engage Noise Cancellation without media or telephony, select one of the following:

If you're wearing the ZOHN-1 ear-computers, disconnect your source device's Bluetooth

If the ZOHN-1 ear-computers are in the charging case, turn the Bluetooth feature off on your mobile device and then remove the earbuds from the case.

Next, use your programmed Action Button on the ZOHN-1 ear-computers to activate the noise cancelling mode. We recommend assigning a single hold from the left or

right ZOHN-1 ear-computer to the function of toggling through ANC, transparency, and off. This can be programmed within the Action Buttons settings in the Breggz app.

NOTE: To reconnect your mobile device, select the ZOHN-1 ear-computer from the Bluetooth list on your device.

## 10. BATTERY

### 10.1. Charging the ZOHN-1 Ear-computers

ZOHN-1 ear-computers charge simply by positioning them into the ZOHN-1 charger case and closing the doors.

Left – Low: Left ear-computer on the low tree, earpiece pointing up

Right- High: Right ear-computer on the high tree, earpiece pointing down

The ear-computers and trees have magnets to ensure the charging connects properly, however you might need a little bit of gentle wiggle to endure the ear-computers connect properly,

Next, close the doors on the charging case.

After the ZOHN-1 ear-computers have been inserted and once both doors are closed, you will see the LED light indicators on the ZOHN-1 charger illuminate for 4 seconds and then turn off and stay off.

This signals that the ZOHN-1 ear-computers are safely nested, communicating with the smart charger, and are being charged

### 10.2. Maximizing Battery Life

Battery life can vary depending on usage and many other variables. The more things you are simultaneously asking the ZOHN-1 ear-computer to do, the more power it will consume. To maximize battery life, only activate those features you specifically want running, and deactivate features that are not needed in the moment. The below tips allow you to maximize battery life.

- Disable Transparency and Active Noise Cancellation (ANC). Both require the activation of all of the microphones and run one of the DSP cores in each ear to balance, equalize, and manage transparency input.
- Limit the use of Parametric Equalization. Equalization activates a separate PEQ core in the DSP to manage advanced real-time sound processing of the audio. If you do use equalization, use as few bands as possible.

- Disable Voice Control. This function uses a plurality of sensors which consume significant CPU resources to process and characterize the data. Voice Control also requires frequent communication over Bluetooth low-energy (BLE) channels which consumes more power.
- Disable Head Gesture Control. This function also uses sensors, such as gyroscopes, which also consume significant CPU resources to process and characterize the data. Gesture Control also requires frequent communication over Bluetooth low-energy (BLE) channels which consumes more power.
- Limit the use of telephony. Phone calls require significant added bandwidth thereby consuming battery power almost twice as quickly as audio-only listening or streaming.
- Keep your Bluetooth source within close range. The human body consumes RF energy which may block the Bluetooth signal. The ZOHN-1 ear-computer will use more power to maintain contact with the source device.

### 10.3. Charging the Charger Case

The ZOHN-1 charger case can be charged in two ways:

1. USB-C port using any standard charger
2. inductively through any Qi compatible wireless charging surface.

#### 10.3.1. Charging with an approved USB-C

Simply plug in the Zohn-1 charger to a USB-C® port using an approved wall-mount Euro or American style USB power block.

The LED indicator lights on the charger will sequence back and forth from left to right while the charger case is accepting rapid charge from the USB.

The indicator light sequence will discontinue once the charger case reaches 90% charged and only the flashing LED indicator light will continue flashing.

Once the charger case is fully charged, the LED light turns off. To check the charge level, do a quick one (1) second press on the charger button.

#### 10.3.2. While Using a Qi Charging Mat

Follow manufacturer's recommended guidelines for setting up the Qi charging mat.

Place the charging case onto the Qi charging mat.

The charging case LED indicator lights will cycle in a back-and-forth sequence to confirm that the charging case is charging. The LED indicator light sequence will discontinue once the charging case has been fully charged.

**CAUTION:** Only use this product only with an agency approved 5v DC Limited Power Source power supply that meets local regulatory requirements (e.g., UL, CSA, VDE, CCC).

## 10.4. Check the Ear-computer Battery Level

### 10.4.1. While Using the ZOHN-1 Ear-computers

When you remove the earbuds from the charging case and insert them into your ears, a voice prompt announces the earbud battery level.

The ZOHN-1 ear-computer battery level is displayed on the main screen of the Breggz app.

Note: If one earbud has a lower battery level than the other, the voice prompt announces the lower battery level. If the battery level is 20% or lower, you will hear, "I'm getting sleepy," as an in-ear voice prompt.

### 10.4.2. While charging the ZOHN-1 Ear-computers

When you place the ZOHN-1 ear-computers into the charger case, the battery status of the ZOHN-1 ear-computer can be easily ascertained by re-opening the charger case door for the ZOHN-1 ear-computer battery that you wish to check.

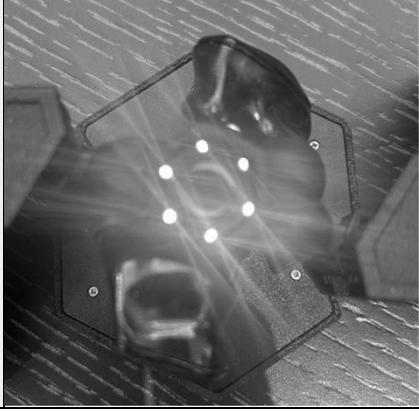
NOTE: Opening the left charger door will first sweep the LED indicator lights on the charger case from left to right across all 5 LED indicator lights, and will then display 1, 2, 3, 4, 5 or all 6 lights illuminated to denote the battery level in the left ZOHN-1 ear-computer. The sequence reverses when you open the right charger case door with the LED indicator lights sweeping from right to left.

### 10.4.3. Battery Status Level of Zohn ear-computers

LIGHT ACTIVITY	SYSTEM STATUS	LOOK FOR
No LED Lights	Charge level is less than 10%. Recharge the Zohn 1 ear-computer as soon as possible	

LIGHT ACTIVITY	SYSTEM STATUS	LOOK FOR
No LED Lights	Charge level is less than 10%. Recharge the Zohn 1 ear-computer as soon as possible	

One LED Light	Charge level between 10% - 20%	
Two LEDs Lights	Charge level between 20% - 30%	
Three LEDs Lights	Charge level between 40% - 50%	
Four LEDs Lights	Charge level between 60% - 70%	

Five LEDs Lights	Charge level greater than 80%	
Six LEDs light	Fully charged	

## 10.5. Check the Charger Case Battery Level

Check the charger case battery level by pressing the center top charger button once, and then immediately releasing the button. The LED indicator lights will illuminate clockwise (3, 2&4, 1&5) to indicate battery check sequence.

After the sequence pattern, the LED indicator lights will then display either 1, 2, 3, 4, 5 or all 6 lights to indicate the total battery level measured in the charger case.

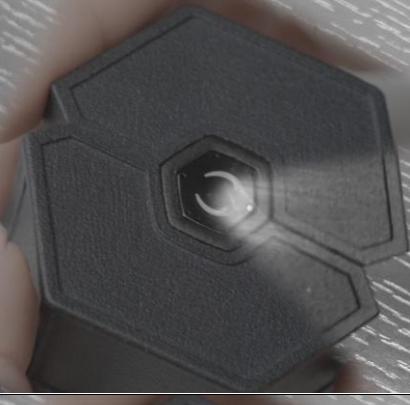
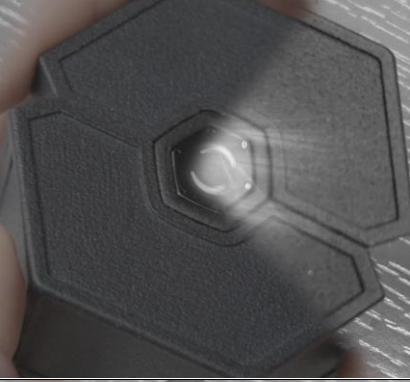
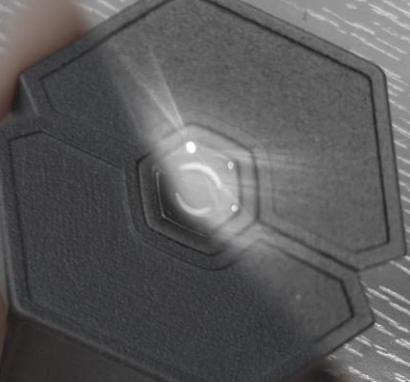
The chart below will assist the user in understanding the light patterns and related charge level indicated by that pattern:

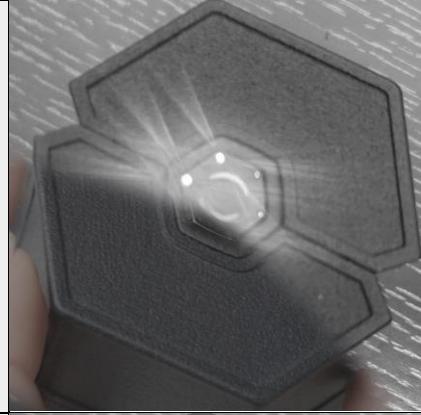
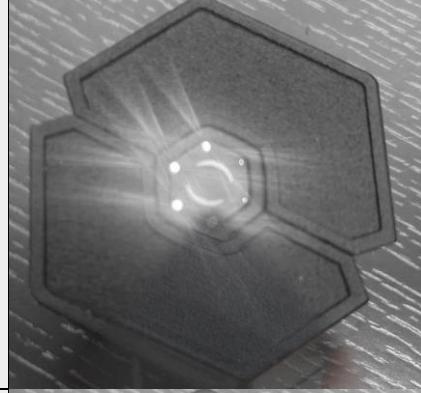
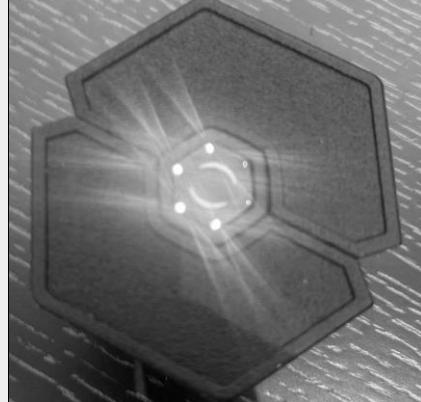
### 10.5.1. Battery Status Level

LIGHT ACTIVITY

SYSTEM STATUS

WHAT TO LOOK FOR

No LED Lights after single button push on front of charger	Charge level is less than 10%.  You must recharge the charger as soon as possible.	
One LED Light	Charge level between 10% - 20%.  This is only enough for a partial charge of ZOHN-1 ear-computers.	
Two LEDs Lights	Charge level between 30% - 40%.  This is enough charge for 1 complete charge of ZOHN-1 ear-computers.	
Three LEDs Lights	Charge level between 50% - 60%.  This is enough for 1 to 1,5 charges of ZOHN-1 ear-computers.	

Four LEDs Lights	<p>Charge level between 70% - 80%.</p> <p>This is enough charge for 2 a charges of ZOHN-1 ear-computers.</p>	
Five LEDs Lights	<p>Charge level between 80% - 90%.</p> <p>This is enough charge for 2 and 2.5 charges of ZOHN-1 ear-computers.</p>	
Six LEDs Lights	<p>Charge level greater than 90%.</p> <p>This is enough charge for 3 full charges of the ZOHN-1 ear-computers.</p>	

NOTE: Once the ZOHN-1 ear-computer batteries are fully charged, the charger places the ZOHN-1 ear-computers into Sleep Mode in order to conserve battery charge. A one second hold of the charger case button will place the ZOHN-1 ear-computers into Wake Mode.

## 10.6. Charging Time

### 10.6.1. Ear-computers charging

CHARGING TIME IN CASE	USAGE
10 Minutes	2-2.5 Hours
20 Minutes	4-5 Hours

30 Minutes	6.5-7 Hours
45 Minutes	7.5-9 Hours

#### NOTES:

The ZOHN-1 ear-computer batteries require approximately 30 to 40 minutes in the charger case for fully empty batteries.

At 45 minutes, the ZOHN-1 ear-computers are fully charged and will provide up to 9 hours of usage, with an average of about 7.5 to 8 hours of usage with some telephone calls. Battery life varies depending on functionalities utilized during the session

#### 10.6.2. Charging Case

CHARGING TIME	CHARGES AVAILABLE
2.5 Hours	3 full charges available to the ZOHN-1 ear-computers

NOTE: When the charger case is fully charged, you can charge the ZOHN-1 ear-computers from empty 3 times. When you consider the ZOHN-1's start fully charged, that means 4 full cycles or about 32 hours of total usage available on the ear-computers.

## 11. EAR-COMPUTER AND CHARGING CASE STATUS

### 11.1. ZOHN-1 Ear-computer LED Light Status

The ZOHN-1 ear-computer LED light indicator is located on the top part of the Breggz logo faceplate the audio tube.

This LED light alternates between red, white, or a combination of the two colors (pink), and in some cases, utilizes a pattern sequence to indicate the status of the ZOHN-1 ear-computer.

#### 11.1.1. LED Light Status Patterns

PATTERN NAME	LED LIGHT PATTERN
Off	LED off
Solid	LED on

Breathing	LED fades on slowly, then fades off slowly
Fast Breathing	LED fades on then fades off more quickly
Alternate Fast Breathing	Red and white LED's alternate fading
Blinking	LED blinks
Fast Blinking	LED blinks more quickly
Alternate Blinking	Red and white LED's alternate blinking

### 11.1.2. LED Light Status Matrix

EVENT	LIGHT	LIGHT PATTERN
ZOHN-1 Ear-computer is Off	None	No LED light is displayed
Power On	Red LED	LED breaths 1 time using the breathing pattern
Power Off	Red LED	LED blinks 3 times using the fast blinking pattern
Paired Device List Reset	Pink LED	LED blinks 6 times using the fast blinking pattern
Factory Reset	Red and White LED's	Pink LED blink six times using the fast blinking pattern
Firmware Over The Air	White LED	When the device is starting a firmware over the air update, the LED of the agent ZOHN-1 ear-computer is solid for 3 Seconds
Charging While in Charging Case With Door Closed: Fast Charging	White LED	Once the door is closed, LED is solid for 4 seconds to indicate the buds are charging in fast charge mode
Charging While in Charging Case With Door Closed: Normal Charging	Red LED	Once the door is closed, LED is solid for 4 seconds to indicate the buds are charging in normal charge Mode
Bluetooth Pairing Mode	White LED	LED blinks 3 times using the fast blinking pattern

Bluetooth Pairing Successful	White LED	LED blinks 3 times using the fast blinking pattern
Air Pair	Red and White LED's	Pink LED's perform the fast breathing pattern
Air Pair Successful	White LED	LED blinks five times using the fast blinking pattern
Air Pair Failure	Red LED	LED blinks 5 times using the fast blinking pattern
Incoming Call	No lights	No lights
Active Call	No lights	No lights

## 11.2. ZOHN-1 Ear-computer Voice and Sound Status

STATUS	VOICE CONFIRMATION	SOUND
Power On	<b>Woo Hoo!</b> Indicates full battery.  <b>X% Battery</b> X = 10, 20, 30, 40, 50, 60, 70, 80, 90 percent	Low bass guitar tone, then ascending xylophone tone
Ready to Pair	I'm Ready to Connect	Single bass guitar tone
Paired to Phone/Device	Now We're Talking	N/A
Disconnect From Phone/Device	See Ya Later, Bye	N/A
Opening the Breggz App	Talk to Me	N/A

Closing the breggz App	I'm Done Listening	N/A
Single Touch	N/A	Medium xylophone tone
Double Touch	Gesture Mode On/Off	Medium xylophone tone twice, then two descending tones.
Hold 3 Seconds	N/A	Low bass guitar note
Hold 6 Seconds	I'm Ready to Connect	Middle bass guitar note
Hold 9 Seconds	Goodbye	Higher bass guitar note
Rocker Forward	N/A	Highest xylophone tone, repeats if you hold
Rocker Backward	N/A	Lowest xylophone tone, repeats if you hold
Swipe Forward	N/A	Low xylophone tone, then low- to-high swoosh
Swipe Backward	N/A	High xylophone tone, then high-to-low swoosh
Swipe and Hold Forward	N/A	Low xylophone tone, low-to-high swoosh, high tone
Swipe and Hold Backward	N/A	High xylophone tone, high-to- low swoosh, low tone
Touch/Release, Then Hold 3 Seconds	N/A	Medium xylophone tone, medium tone, low bass guitar note
Double Touch/Release, Then Hold 3 Seconds	N/A	Medium xylophone tone, Medium xylophone tone, Medium xylophone tone + low guitar note

Double Touch/release, then Hold 6 Seconds	N/A	Same as above, plus two bass guitar notes
Double Touch/Release, Then Hold 9 Seconds	N/A	Same as above, plus three bass guitar notes
Double Touch/Release, then Hold 12 Seconds	N/A	Highest guitar note
Triple Touch	N/A	Middle xylophone tone, middle xylophone tone, middle xylophone tone, then 3 descending tones

### 11.3. Charging Case Status

The button on the charging case initiates several functions on the ZOHN-1 ear-computer.

ACTION	DESCRIPTION
Single Short Touch (less than 1 second).	Requests the battery level of the charger
Double Short Touch	Places the ZOHN-1 ear-computers and charging case into Deep Sleep Mode. This power saving mode helps save battery life in both the ZOHN-1 ear-computers and charging case
1 Second Hold	Wakes the ZOHN-1 ear-computers from Deep Sleep Mode, powers the ZOHN-1 ear-computers on, and allows them to enter Pairing Mode or attempt to pair with a previously paired device before removing them from the charging case

10 Second Hold	Resets the ZOHN-1 ear-computers. The ZOHN-1 ear-computers must be in the charging case with both doors closed in order to perform this function.
30 Second Hold	Resets the charging case.

## 12. BLUETOOTH CONNECTIONS

You can manage Bluetooth connections using the Breggz app or the Bluetooth menu on your mobile device.

### 12.1. Connect Using the Breggz App

To connect the ZOHN-1 ear-computers and manage Bluetooth settings using the Breggz app, simply open the Breggz App and follow instructions on the app screen.

### 12.2. Connect Using the Bluetooth Menu on Your Mobile Device

Rest the ZOHN-1 ear-computers in the charging case and with the charger case doors closed, press and hold the charger button for 10 full seconds. Remove the ZOHN-1 ear-computers from the charging case and place on a table in front of you.

NOTE: The LED light indicators will alternately breathe between the red and white lights indicating that they are in pairing mode.

Or

Remove the ZOHN-1 ear-computers from the charger case. Touch and hold either ZOHN-1 ear-computer touch-face for 3-5 seconds. The ZOHN-1 ear-computer LED indicator lights will begin displaying the alternating red/white/red pattern indicating that pairing mode has been activated.

Enable the Bluetooth feature on your device.

NOTE: The Bluetooth feature is usually found in the Settings menu on most phones.

Select the ZOHN-1 ear-computers from the device list.

### 12.3. Disconnect Mobile Device

Place the ZOHN-1 ear-computers in the charging case.

TIP: You can use the Breggz app or your Bluetooth settings to disconnect your source device. Disabling the Bluetooth feature on your source device will disconnect the ZOHN-1 ear-computer and all other devices.

You can also select the ZOHN-1 ear-computer in your source device's Bluetooth menu and choose to disconnect. This will disconnect only the ZOHN-1 ear-computers and will cause the ear-computers to automatically re-enter pairing mode and ready to pair to an alternative source device.

### 12.4. Reconnect Mobile Device

When the ZOHN-1 ear-computers are removed from the charging case, they will attempt to connect with the most recently connected device.

To connect to a different previously connected source device, use the new source device's Bluetooth settings to connect to the earbuds, which will automatically take the signal away from the first device. This is called Bluetooth Multi-Point and makes it quite easy to shift quickly between multiple connected source devices.

### 12.5. Clear the ZOHN-1 Ear-computer Device List

Delete the ZOHN-1 ear-computers from the Bluetooth list on your device. All devices are cleared, and the ZOHN-1 ear-computers are ready to connect

## 13. CARE AND MAINTENANCE

### 13.1. Store the ZOHN-1 Ear-computers

The ZOHN-1 ear-computers should be stored in the charger case when not in use. Close the doors to the charger case to help preserve battery life and keep the charger case free of debris. If you plan to store for more than a 24-hour period, consider putting the ZOHN-1 ear-computers and charger case into Deep Sleep Mode

### 13.2. Clean the ZOHN-1 Ear-computers and Charging Case

COMPONENT	PROCEDURE
-----------	-----------

Ear Tip	Remove the ear tips from the ZOHN-1 ear-computers and wash them with a mild detergent and water or alcohol wipes.  NOTE: Make sure you thoroughly rinse and dry the ear tips before re-attaching them to the ZOHN-1 ear-computers. You don't want to introduce water or other liquids down the audio tube of ZOHN-1 ear-computers.
ZOHN-1 Ear-computer	Clean with an alcohol wipe, or alternatively a soft paper towel or cloth that has been sprayed with Windex or white vinegar .
Ceramic and Metal	Clean with an alcohol wipe, or alternatively a soft paper towel or cloth that has been sprayed with Windex or white vinegar.
Leather	Wipe gently with leather cleaner. For instance, Armor All makes disposable pre-treated leather cleaning wipes.

**CAUTION: *Don't* to spray any chemicals or water directly onto either the ZOHN-1 ear-computers or the ZOHN-1 charger case. While the ZOHN-1 ear-computers are IPX4 rated, the charging case is not water resistant. In all instances, it is best to spray water or cleaner in small amounts onto the cleaning cloth, or to use a pre-treated cleaning cloth**

### 13.3. Replacement Parts and Accessories

Replacement parts and accessories can be ordered online at [Breggz.com](http://Breggz.com).

Should you have any questions or concerns please contact us at  
[support@breggz.com](mailto:support@breggz.com)

### 13.4. Limited Warranty

Breggz warrants to the original retail purchaser that this product will be free from defective materials and workmanship for two (2) years from the date of purchase, subject to the limitations below. This warranty period is not extended if we repair or replace the product. Except as limited below, if this product proves defective in either material or workmanship, Breggz, at its option, will (a) repair the product, or (b) replace the product, at no charge for parts or labor. If the product model is no longer available and cannot be repaired effectively or replaced with an identical model, Breggz at its sole option may replace the unit with a current model of equal or

greater value. To obtain a repair or replacement under the terms of this warranty, you must return the product to Breggz with your original receipt. Return, repair, and replacement shipping, liability, and cost is the responsibility of the original retail purchaser.

### 13.5. Warranty Limitations

This limited warranty does not cover the failure of the product arising, in whole or in part, from improper installation, storage, transportation, misuse, abuse, accident, neglect, mishandling, unauthorized repair, modification, or wear from ordinary use or environmental deterioration.

This limited warranty does not cover cosmetic damage, including paint damage, or consequential damage to other components or premises which may result for any reason from the failure of the product.

This limited warranty is null and void for products not used in accordance with Breggz instructions.

This limited warranty is null and void for products with altered or missing serial numbers and for products not purchased from Breggz or an authorized retailer or dealer.

This limited warranty terminates if the original retail purchaser sells or otherwise transfers this product.

This limited warranty is null and void for defects or damage caused by repair performed by any person or entity other than an Breggz .

## 14. IMPORTANT SAFETY INSTRUCTIONS

### 14.1. Important Safety Instructions

Clean only with a dry cloth.

Only use attachments/accessories specified by the manufacturer.

Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## 14.2. Warnings/Cautions

- To avoid accidental ingestion, keep the earbuds away from children and pets. The earbuds contain a lithium-ion battery and may be hazardous if swallowed. If ingested, seek immediate medical attention. When not in use, store the ZOHN-1 ear-computers in the charger case with the charger lid closed, and keep out of the reach of children and pets.
- Do NOT allow small children to use the ZOHN-1 ear-computers.
- Do NOT use the ZOHN-1 ear-computers at a high volume for any extended period.
- To avoid hearing damage, use your ZOHN-1 ear-computers at a comfortable, moderate volume level.
- Turn the volume down on your device before placing the ZOHN-1 ear-computers in/on your ears, then turn the volume up gradually until you reach a comfortable listening level.
- Use caution and follow applicable laws regarding mobile phone and headphone use if using the ZOHN-1 ear-computers for phone calls while driving. Some jurisdictions impose specific limitations, such as single earpiece configuration, on the use of such products while driving. Do NOT use the ZOHN-1 ear-computers for any other purpose while driving.
- Do NOT use the ZOHN-1 ear-computers with noise cancelling mode at any time the inability to hear surrounding sounds may present a danger to yourself or others, e.g., while riding a bicycle or walking in or near traffic, a construction site or railroad, etc., and follow applicable laws regarding headphone use.
- Turn the ZOHN-1 ear-computers off or use the ZOHN-1 ear-computers with noise cancelling off and adjust your volume, to ensure you can hear surrounding sounds, including alarms and warning signals.
- Be aware of how sounds that you rely on as reminders or warnings may vary in character when using the ZOHN-1 ear-computers, even with Transparency.
- The rated maximum ambient charging and discharging temperature of

the Zohn-1 device is 32°C (90°F). The rated maximum ambient listening temperature of the Zohn-1 device is 40°C (104°F). Breggz does not recommend using the Zohn-1 device outside of these rated specifications

- In the event of any unusual loud noise, turn the ZOHN-1 ear-computers off and contact Breggz at [support@breggz.com](mailto:support@breggz.com).
- Do NOT submerge or expose the ZOHN-1 ear-computers for an extended period to water, or wear while participating in water sports, e.g., swimming, waterskiing, surfing, etc.
- Remove ZOHN-1 ear-computers immediately if you experience a warming sensation or loss of audio.

-  Contains small parts which may be a choking hazard. Not suitable for children under age 3.
- This product contains magnetic material. Consult your physician on whether this might affect your implantable medical device.
- To reduce the risk of fire or electrical shock, do NOT expose this product to rain, dripping, splashing, or moisture and do not place liquid filled objects such as vases, on or near the product.
- Do NOT make unauthorized alterations to this product.
- Keep the product away from fire and heat sources. Do NOT place naked flame sources, such as lighted candles, on or near the product.
- Do NOT use the ZOHN-1 ear-computers without the supplied ear tips attached.
- Use this product only with an agency approved 5v DC Limited Power Source power supply that meets local regulatory requirements (e.g., UL, CSA, VDE, CCC)
- The battery provided with this product may present a risk of fire or chemical burn if mishandled.

- If the battery leaks, do not allow the liquid to come in contact with the skin or eyes. If contact is made, seek medical advice.
- Do not expose products containing batteries to excessive heat (e.g. from storage in direct sunlight, fire or the like).
- Wipe off sweat from the earbuds and the charging case before charging.
- Use the product only as specified in the instructions. The ZOHN-1 earcomputers should not be adjusted or repaired by anyone except properly qualified service personnel.
- Do not place or install near any heat sources, such as fireplaces, radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.

## 15. REGULATORY AND LEGAL INFORMATION

### 15.1. Regulatory Compliance Information

#### Regulatory Compliance Information

 Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance

PRODUCT IDENTIFICATION: In-ear-monitor

Product Name: **ZOHN-1**

Company Name: BREGGZ Innovations B.V.

Address: Keizersgracht 165

City: Amsterdam

Country: NL

Zip Code: 1016 DP

Contact Name: Jeroen van Els

Title: CEO

Telephone Number: +316 14 26 85 72

E-mail: [jeroen@breggz.com](mailto:jeroen@breggz.com)

#### FCC COMPLIANCE STATEMENT:

This device complies with Part 15 of 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.

#### THIRD PARTY TESTING:



16740 Peters Road  
Middlefield, OH  
44062 USA Phone:  
440.632.5541

Fax: 440.632.5542  
Toll Free: 877.405.1580

**RESPONSIBLE PARTY:**

Piearcings LLC dba EAR Micro LLC  
13420 Santa Fe Trail Drive  
Lenexa, KS 66215 USA

**CONTACT NAME:** Patsy Nigh

**TELEPHONE NUMBER AND E-MAIL ADDRESS:** 913.706.2216 | [patsy@earmicro.com](mailto:patsy@earmicro.com)



**FCC ID: 2BLGWZOHN-1**

*This device complies with Part 15 of 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.*

**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.

**Important:** Changes or modifications not expressly approved by Breggz could void the user's authority to operate the equipment.

**Model: ZOHN-1**

**IC: 33126-ZOHN1**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: 1. This device may not cause interference. 2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1. L'appareil ne doit pas produire de brouillage; 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



Breggz hereby declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU and all other applicable EU directive requirements.



Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

iPhone, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries. The trademark "iPhone" is used in Japan with a license from Aiphone K.K.

Use and display of Bragi trademarks and sublicense of Bragi IP by Breggz in conjunction with Breggz products and service offerings is accomplished under express permission of Bragi, GmbH. No unauthorized use of the Bragi trademark or IP shall be granted or tolerated.

The Bluetooth word is a registered trademark owned by Bluetooth SIG, Inc. Google and Google Play are trademarks of Google LLC.

USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.

Breggz, Breggz App, the Breggz logo and ZOHN-1, are trademarks of Breggz  
“Set It and Forget” It are trademarks of EAR Micro LLC.

**Breggz ZOHN-1 is**

- **Made in the US**
- **Designed in The Netherlands**
- **Assembled in The Netherlands**
- **Powered by Ear Micro**

©2024 Breggz. No part of this work may be reproduced, modified, distributed, or otherwise used without prior written permission.