# 3DME BT G2

## Three dimensional music enhancement

*Puede encontrar las instrucciones en español en:www.asiaudio.com*

## WELCOME TO 3DME
### THREE DIMENSIONAL MUSIC ENHANCEMENT

3DME is a unique in-ear listening system that combines patented Active Ambient™ audio technology from Sensaphonics® with a powerful smartphone app to enhance listening and promote long-term hearing health.

The system includes:

**3DME Active Ambient™ Earphones** – Universal-fit, dual driver in-ear monitors (IEMs) with embedded binaural microphones capture the ambient sound around you with full 3D directionality and three sizes of eartips to isolate your ears and deliver superb sound.

**3DME Bodypack Mixer/Amplifier**
Connects and combines your sound source with the ambient mic feed to add 3D stage mic level to your monitor mix. The bodypack also houses powerful limiter and EQ functions. (When used without a direct monitor mix, you can still hear and control your customized ambient feed with full 3D directionality.) Note: The Power switch is on the bottom.

**ASI Audio Smartphone App**
Program the bodypack and tailor your sound mix, levels, mic level, EQ and sound limiting, save custom presets, and performs an Audio Seal Test for proper IEM fit.

## HARDWARE AND FEATURES

- Universal fit in-ear monitors
- IEM Drivers: Dual-driver balanced armature, crossover-free
- Embedded binaural ambient microphone system
- Rechargeable bodypack with Bluetooth control

## IN THE BOX

- 3DME In-Ear Monitors
- 3DME bodypack with lithium ion battery
- Stereo jumper cable
- USB-C bodypack charging cable
- Earpiece cleaning tool
- Shirt clip
- Carrying Case
- 3-pairs ear tips, S,M,L

### 3DME Bodypack

**1** - Ambient volume control switches (+/-) (top panel)
**2** - Battery status LEDs (4 LEDs) (top panel)
**3** - Dual earphone jacks (right side)
**4** - Cable management/strain relief (right and left sides)
**5** - Monitor input mini-jack (left panel); tip-left, ring-right
**6** - USB-C charging port (bottom)
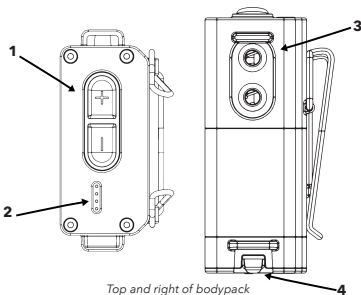
**7** - USB power/charging status LEDs (bottom)
**8** - Power switch (bottom)
**9** - Monitor output mini-jack (bottom); tip-left, ring-right. The output signal directly reflects the total signal reaching your ears, including both the microphone and monitor input signals modified by the Mic Level, EQ and Limiter. This output signal is useful for monitoring your listening level and for binaural recording.



*Top and right of bodypack*



*Bottom and left of bodypack*

5
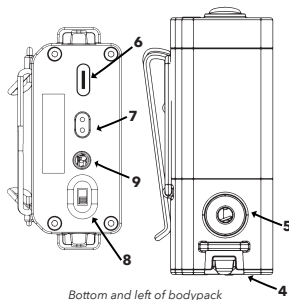
## GETTING STARTED:
CONNECTING YOUR 3DME AND ATTACHING EARTIPS

Your 3DME universal-fit IEMs
have embedded Active Ambient
microphones to capture the
ambient sound around you and
deliver accurate 3D directionality.
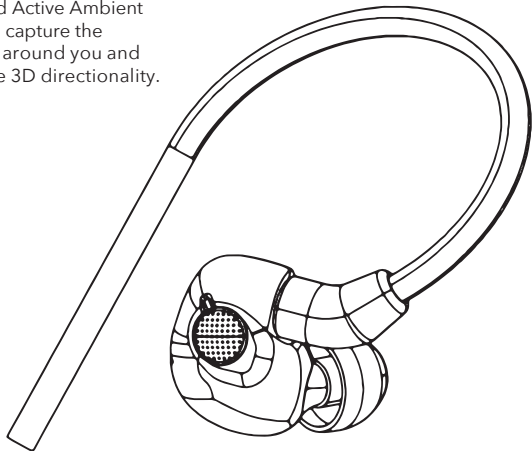
For rich, full sound, the earpieces must be fully inserted to achieve a full, tight seal. Three sizes of ear tips are included. NOTE: The earpiece cables are designed to run up, over and behind the ears, meeting behind the head.



*Memory foam ear tips, 3 sizes*

**Installing Ear Tips**

1. Select an ear tip, holding it firmly between thumb and forefinger.
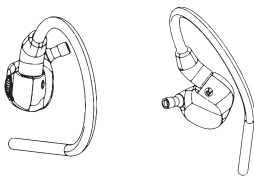


*Ear buds without tips*

2. Place the sound port (nozzle) into the core of the tip at a slight angle. As they join, straighten out the tip and push the tip as far back as it will go.

**Inserting In-Ears**

1. Before inserting into the ear canal, observe left/right marking on the earpiece.

2. Roll the tip between your fingers to compress the foam into a thin cylinder.

3. Insert the tip as deep as possible without irritating the ear, positioning the cable to run up, over and behind the ear.

4. Hold the earpiece in place for 15-30 seconds, allowing the tip to expand and conform to your ear canal. This will create a custom fit and perfect seal - providing an optimal audio experience.

Step 1

Step 2



*Proper fi*

**IMPORTANT:**

If the earpieces are not fully sealed, a brief feedback squeal may occur. If you have any doubts about your fit, use the Audio Seal Test.

Very rarely, an ear tip can come off and remain in the ear canal when removing your 3DME IEM. Should this occur and the ear tip cannot be removed easily, please consult or immediately visit an audiologist or medical provider.

These professionals are equipped with medical grade tweezers designed specifically for ear canal disruptions. It is also very important to have your ears checked for excessive ear wax build up or other hearing challenge issues that can cause you to use loud sound volumes not recommended for extended periods of time. Properly sealed earphones allow for safe hearing at lower volume levels.

**Warning:** Listening at a high volume for a long time may damage your hearing.

# THE AUDIO SEAL TEST

If you have any doubts about your fit, use the Audio Seal Test to confirm that your IEMs are fully sealed.



*To access, tap the 'Seal Test button (ear) found in the upper right of the ASI Audio app screen*

In-ear monitors require a full seal of the ear canal for full bass response. A poor seal also reduces hearing protection and can enable acoustic feedback. The Audio Seal Test was developed by Sensaphonics to help users ensure proper fit and full seal.

During the test you will hear two alternating tones, one at 50 Hz and the other at 500Hz, each played at the same volume.

*If the ear canals are properly sealed, both tones will be clearly audible.*

*If the earpiece is not properly sealed, the 50 Hz tone will be much lower in volume, or even inaudible.*
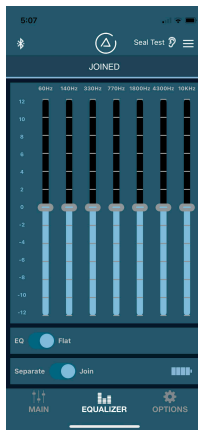
## Activate the Seal Test

```
        Seal Test
   ON          OFF/EXIT
```
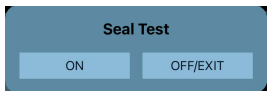
1. Fully insert your earphones and plug them into the 3DME bodypack.
2. Connect the 3DME bodypack to the ASI Audio App. See "PAIRING THE 3DME WITH ASI AUDIO APP" page in this manual.
3. Touch the Seal Test icon.
4. Touch the ON button to play the Seal Test tones.
5. Touch the OFF/EXIT button to stop playing the tones and exit the Seal Test.
6. Note the relative levels of the two tones and consult the chart on the next page.

## Custom-fit option

As part of the ASI Audio and Sensaphonics partnership, we offer custom-fit ear tips for 3DME earphones. These low profile, soft silicone tips are molded to the exact shape of your ear canal to provide a consistent, secure fit with a full seal for outstanding isolation and comfort. To find an audiologist and get fitted for custom molded eartips, visit asiaudio.com/pages/gold-circle-audiologists.

| What You Hear | Probable Meaning | What To Do |
| --- | --- | --- |
| Both tones, clear & at the same level | Correct insertion with proper fit & full seal | Rock on! Proceed to the mic level, limiter, and EQ screens on the ASI Audio app. |
| Both tones, but the higher pitched (500 Hz) tone is much louder than the 50 Hz tone | Incomplete seal caused by poor fit of ear tip or by incomplete insertion. This is the most common problem. | Isolate problem to left or right earpiece, then try a different size or shape of ear tip. Review the IEM insertion procedure, then fully re-insert the earphone and repeat the test. If a full seal cannot be achieved, try different ear tips, both size and style, and repeat the test until a full seal is achieved. |
| 500 Hz only; no 50 Hz bass tone at all | Very poor seal. A more severe version of the previous issue. | Review insertion procedure, fully reinsert IEMs, and test again. If a full seal cannot be achieved, try different ear tips, both size and style, and repeat the test until a full seal is achieved. |
| Other results | Problem likely not related to fit or seal | Contact your audiologist or ASI Audio. |

## THE ASI AUDIO APP



The ASI Audio app is the control center for Music Enhancement, with access to a suite of sound tools that let you customize the sound of your 3DME.

Download from the Apple App Store.

Supported iOS versions: 12.0 and above.

After plugging the earphone cable into the bodypack and installing the app, power up the 3DME bodypack and pair your smartphone or tablet to it.

The app has 3 main screens: Mic Level & Limiter; Equalizer; and Options.

As you customize the Mic level, Limiter, and EQ to your preferences, settings are automatically saved to the bodypack and stay active until changed with the app.
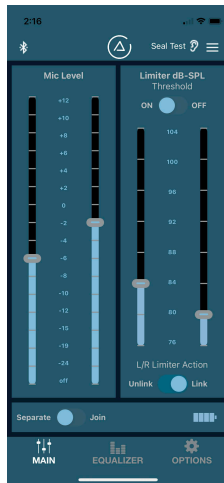
# PAIRING THE 3DME WITH ASI AUDIO APP

1. Download the ASI Audio 3DME BT G2 App from Apple App Store.

2. On your iOS device, go to Settings > Bluetooth and turn on Bluetooth.

3. Turn on the 3DME bodypack.

4. Go to the ASI Audio App and touch the Bluetooth icon on the upper left corner ⁂

5. Touch the Bluetooth device on the list you want to connect to.
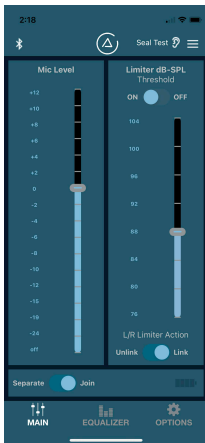
6. Connection status will display "Connected".

7. Touch "<ASI Audio" on the upper left corner.

8. The Bluetooth icon on the upper left corner will have 2 dots on it indicating the devices are paired
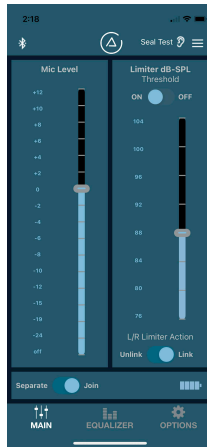
# THE MAIN SCREEN
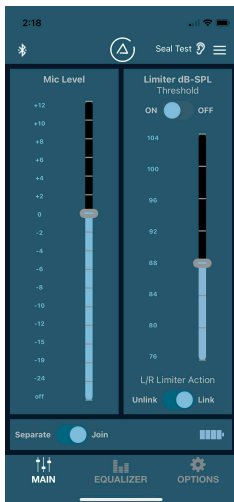


Includes controls for ambient mic level and limiter threshold.

Left and right channels may be treated as a binaural pair, or adjusted separately by tapping the Join/Separate button. Joined L/R channels is the system default.

The Join/Separate switch on this screen applies to the Mic level and Limiter Threshold.

**Mic Level and Limiter**

The Mic Level slider sets the level of ambient sound sent to your earphones. 0 dB corresponds to the open ear.

*Note: The 3DME's ambience microphone feature can also be used by itself (without a separate IEM feed) for acoustic ensembles – essentially operating as a custom-tuned high fidelity earplugs with volume control.*

**Limiter Control**

The limiter on the right side of the home screen is an important key to your hearing health, in coordination with your other level and EQ settings. Select the output level where limiting begins, between 76 and 104 dB-SPL in 4 dB increments.

-Use the slider to set the threshold for limiter engagement.

-The Limiter Left and Right Thresholds are joined or separated by the Unlink/Link button.

-Maximum volume reduction is 20 dB.

-Limiter function can be turned off (not recommended!).
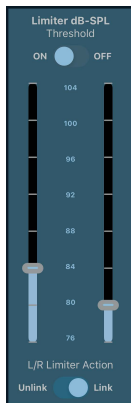
*Notes on limiting*

*• The 3DME limiter is designed for music with adaptive attack, average responding, frequency selective operation.*

*• The Limiter Action Link/Unlink button determines if limiting action applies to both channels together (linked), or independently (unlinked).*

*Linking Action Link/Unlink is independent of the Join/Separate function, which applies to Mic Level and Limiter Threshold.*

### • *Feedback/Start-up Squeal Suppressor:*

*If the earpieces are inserted with the bodypack already switched on, a feedback squeal could occur until the earpieces are sealed.*

*The Start-up Squeal Suppressor function can be enabled (see Options screen) that limits the level of any such feedback squeal at system start-up. After full earpiece insertion, press the + or - button on the top of the bodypack to disengage the squeal suppressor and return to your stored limiter settings.*

## THE EQUALIZER SCREEN
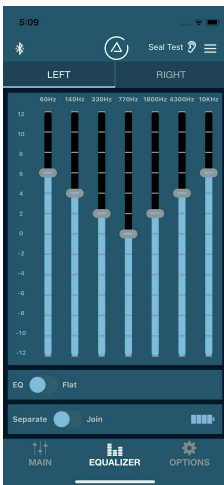


The 3DME lets you customize personal equalization via a 7-band EQ.

-Each band is adjustable from +12 to -12 dB.

-The Separate/Join switch (at the bottom) allows Left and Right channel adjustments to be joined (default) or adjusted separately by choosing LEFT or RIGHT (above the sliders)

-Switching from EQ to Flat bypasses the EQ without losing the stored EQ settings.

# THE OPTIONS SCREEN

### 3DME Bodypack Buttons

This option allows you to program the (+/-) buttons on the bodypack top panel for either Step Mode or Set Mode.

In Step Mode (default), the + and – buttons on the bodypack change the Mic Level one step at a time (+12 dB to -24 dB, plus Off).

In Set Mode, the buttons toggle between two Mic Levels that you set. For example, one setting can be used while performing and the other for conversation between songs.
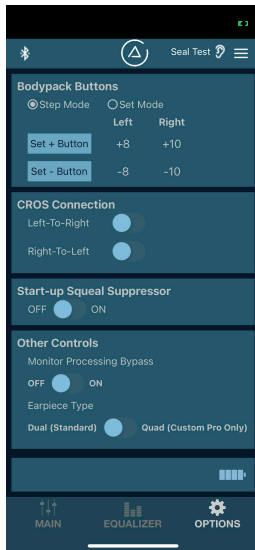
## Instructions on how to set-up Set Mode:

**Step 1:** Select Set Mode
**Step 2:** Go to the Main Page and select a **high** mic level setting.
**Step 3:** Return to the Options page and PRESS "Set **+** Button".
**Step 4:** Go to the Main Page and select a **low** mic level setting.
**Step 5:** Return back to the Options page and PRESS "Set **-** Button".

**CROS Connection**
Uniquely, 3DME offers Contralateral Routing of Signals. Most users will never need this feature, designed specifically for musicians with unilateral hearing loss. In CROS mode, the bodypack routes the ambient and monitor audio from the non-hearing ear to the earpiece on the hearing side. This literally brings the missing half of the stage back into hearing for those with severe hearing loss on one side. CROS functionality is activated via the app by simply tapping either left-to-right or right-to-left routing as appropriate.

**Start-up Squeal Suppressor**
Start-up Squeal Suppressor limits the level of any possible feedback to the limiter's lowest threshold setting (76 dB-SPL) when the bodypack is first switched on. Pressing either the + or - switch on the top of the bodypack releases the Start-up Squeal Suppressor and restores your stored limiter threshold settings.

**Monitor Processing Bypass**
Monitor Processing Bypass allows the monitor signal to bypass any limiting or EQ, if outboard control of monitor signal processing is desired.

**Earpiece Type**
The 3DME is supplied with standard high-performance dual driver earpieces. Custom Pro earpieces are available by special order, and may be ordered in dual or quad driver versions. If you are using the bodypack with Custom Pro quad driver earpieces, switch to the Quad position. Otherwise, leave the switch in the Dual position. Be sure to use the correct switch position for your earpieces. An incorrect setting results in system gain mis-calibration and possible dynamic range compromise.

## THE POP-UP MENU - PRESETS AND HELP

Tap the three horizontal lines in the upper right corner to load and save a preset, and open help.

Presets and Help
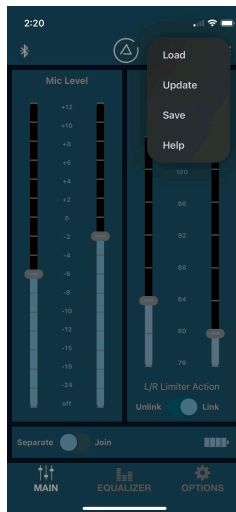
## Save a Preset

While the 3DME automatically saves current settings for your next session, you can also save multiple presets for different situations.

• Tap the three horizontal lines to open the pop-up menu.
• From the pop-up list, tap Save and enter a name for your preset.
• Tap OK.



The preset name will be displayed next to the Bluetooth icon. If a preset name is already loaded, it will also be renamed.

### Update a Preset

• Tap the three horizontal lines to open the pop-up menu.
• Tap Update to update the saved preset that is currently loaded.
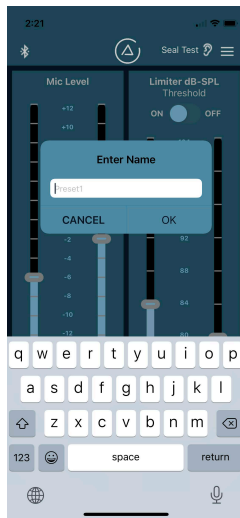
## Choose a Preset

• Tap the three horizontal lines to open the pop-up menu.
• From the pop-up menu (Load, Save, Help), tap Load.
• Scroll the list and select a preset.

## Load a Preset to the Bodypack

This downloads the selected Preset to the 3DME bodypack and replaces all current settings.

• Tap the "down-arrow" icon to send that Preset to the bodypack
• Tap DONE

The preset name will be displayed next to the Bluetooth icon.



1:55

‹ ASI Audio

### My Presets

Preset1
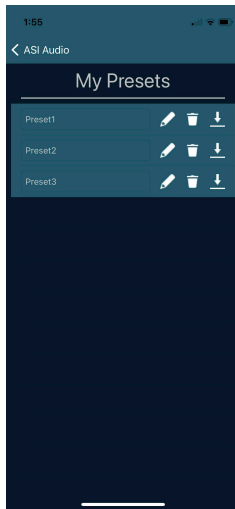
Preset2

Preset3

## Rename a Preset

• Scroll My Presets to find the desired preset
• Tap the "pencil" icon. and type a new name
• Tap the "disk" icon, then DONE to return to the previous app screen

If the preset name is loaded, it will also be renamed.

## Delete a Preset

• Tap the "x-trashcan" icon to initiate deletion
• Confirm that you wish to delete the Preset and tap Done

If the preset name is loaded, it will also be deleted.
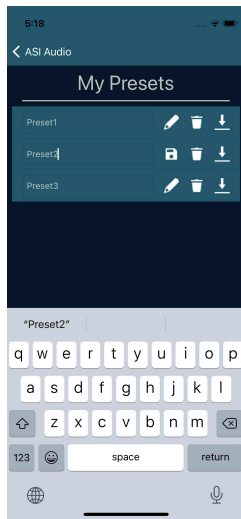
## Help

### Tap Help to find:

- User Guide
- FAQ
- Support Information
- Firmware updates
- About – ASI Audio App Version, 3DME Bodypack Serial Number, 3DME Firmware Version, Warranty Registration, etc.

**Note:** A notification will appear in the ASI Audio App when a Firmware Update is available and ready to install.
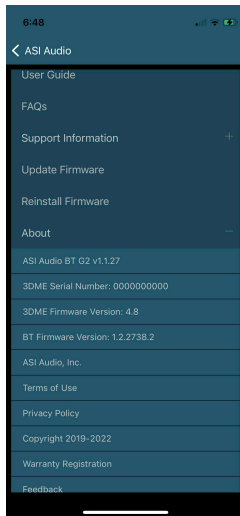
## Installing Firmware Updates

• Turn the 3DME bodypack on and connect to your device. Open the ASI Audio App
• Open the pop-up menu (3 dots) and tap Help
• Select Update Firmware or Reinstall Firmware
• Follow the on-screen prompts to locate and download the latest firmware
• Wait until the "Installing Firmware" status is complete
• Follow the on-screen instructions to disconnect, power down, then turn on and re-connect the 3DME to complete the firmware update



⚠ While updating, DO NOT disconnect the 3DME, close or minimize the ASI Audio app, switch to another app or put the phone in sleep mode. Update only when 3DME is not in use. Make sure your internet and Bluetooth connections are stable. Phone and 3DME should both be charged to more than 75%. Do you want to update the firmware now?

NO            YES
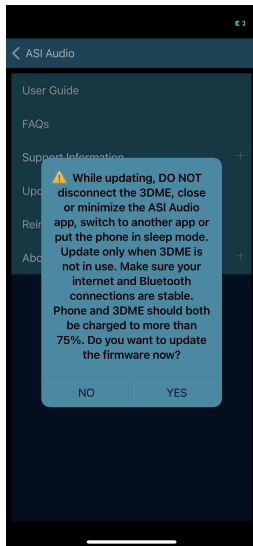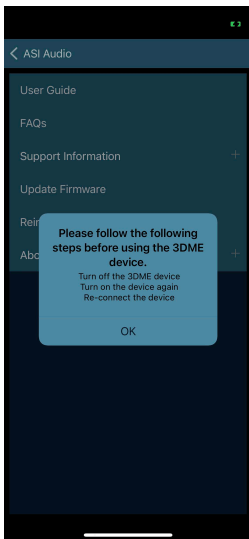
*Several app functions require an Internet connection. This includes ASI Audio email and website links, and firmware update.*

# Charging The Battery

The 3DME bodypack is powered by a rechargeable Li-Ion (lithium ion) battery. The system is shipped with a partial charge, but you should fully charge the battery before your first gig.

Use the supplied cable to connect the bodypack's USB-C connector (located on the bottom of the bodypack) to a USB power source.
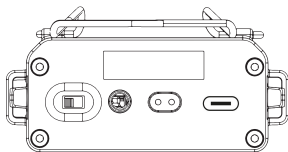


*Bodypack bottom*

### Charging status

There are two LEDs next to the USB-C port on the bodypack. The green LED lights to show USB power is present; the red lights to show active charging.  When the red LED turns off, charging is finished.

### Battery Level

Status is shown by four small LEDs located at the top of the bodypack.

*Note: When the battery is nearing end-of-charge, the last LED will blink slowly, then quickly.*

The status of the battery on the bodypack is also indicated by the icon at the bottom right of the main screen of the ASI Audio App when the bodypack is connected.

## CLEANING & MAINTENANCE

Keep the sound ports and ambient mics of your IEMs free of debris. Clogged sound ports can result in reduced levels and a muddy, muffled sound. Also keep the ambient microphone grilles clear of debris build-up.



Cleaning tool

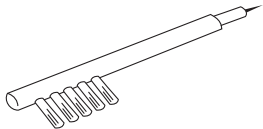Daily Cleaning – Before or after each use, inspect and clean your earphones using the supplied cleaning tool with the wire loop to remove earwax and other debris that can build up inside the sound ports. Use the brush to sweep the sound ports and the microphone grilles. To clean the earpieces and tips, use a lint-free cloth or an alcohol-free cleaning cloth such as Audio Wipes.

For maximum life of your 3DME system:

- Do not expose to temperature extremes.
- Avoid drops and strong impacts.
- Do not submerge or immerse in water.
- Keep away from dirt and debris.
- Do not use at excessive volume levels.
- Do not yank the cables when unplugging from the earpieces, bodypack or mobile device.
- Clean your Comply™ Foam Tips by gently wiping them with a clean, damp cloth. Use water only. Do not clean tips with alcohol-based cleaning solutions. Let the tips dry completely before next use.
- We recommend replacing Comply™ Foam Tips every three months or as needed for optimal fit and isolation.

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## ABOUT SAFE SOUND LEVELS AND HEARING PROTECTION

Music induced hearing loss (MIHL) is a function of average noise level, exposure time, and the peak level of very loud sounds. Statistically, long exposure to average levels over 85 dB puts the ears at risk of long-term injury. Whether working acoustically, using floor wedges, or in-ear monitors (IEMs), virtually all musicians are at risk.

The following table shows recommended daily noise exposure limits on the OSHA and more conservative NIOSH scales. Under optimistic OSHA exposure limits, 2 hours at 100 dBA is the safe limit without protection – and this assumes no levels over 85 dB

the rest of the day. For your safety, we strongly recommend using the NIOSH guideline.

The chart shows level effects for the "average" person, but some people are more susceptible to hearing loss than others. Statistically, OSHA guidelines (developed for industrial workers) prevent long-term hearing injury in about 76% of people, while NIOSH guidelines protect a robust 93%.

With its isolating earphones, powerful processing, and Active Ambient microphone system, 3DME can help swing the odds in your favor.

## SAFE EXPOSURE TIME

| Level,dba | 85 | 88 | 90 | 91 | 94 | 95 | 97 | 100 | 105 | 110 | 115 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NIOSH | 8 hr | 4 hr | | 2 hr | 1 hr | | 0:30 | 0:15 | | | |
| OSHA | 16 hr | | 8 hr | | | 4 hr | 3 hr | 2 hr | 1 hr | 0:30 | 0:15 |

**Isolating Earphones**

Properly fitted IEMs enable safer monitoring by reducing unwanted sound so users hear more clearly at lower volume levels. However, studies show conclusively that, without guidance, IEM users tend to monitor at the same volume they use for floor wedges. But with a little discipline and practice, you can get full, rich in-ear sound at amazingly modest volume levels. We urge you to make a conscious effort to turn it down.

**ASI Audio App**

The 3DME App helps you to keep levels under control in several ways. First, the Mic Level control lets you reduce the level of your on-stage sound, while still hearing your ensemble clearly and naturally. Second, the EQ function lets you customize your sound by emphasizing (or reducing) specific frequency ranges, minimizing the need to turn up the overall level. Finally, the Limiter reduces excessive volume peaks above a dB threshold that you set.

**Your hearing is your livelihood.**

With its embedded binaural microphone system, the 3DME adds a controlled amount of stage sound to the monitor mix with natural 3D directionality, which is especially effective for acoustic musicians. When used without a monitor mix, 3DME still acts as customized high-fidelity hearing device, with the ambient stage sound EQ tuned the way you like it at levels you control.

*The 3DME was designed for use in controlled stage environments. Please exercise extreme caution when operating a motorized vehicle or heavy machinery, while bicycling or jogging near traffic, or in any potentially hazardous situation.*

We strongly urge all musicians and engineers to have annual hearing checks from a certified audiologist. By tracking your hearing over time, you can spot any changes and deal with them before serious damage occurs.

3DME is a powerful tool, but no product will prevent hearing injury if you don't stay within established exposure guidelines. Again, we can't stress this enough: *See your audiologist regularly!*

# TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Frequency Response | 20 Hz– 20 kHz |
| Microphone Input Overload | 135 dB-SPL |
| Maximum Output, 500 Hz | 122 dB-SPL |
| Microphone Equivalent Input Noise | 27 dBA-SPL |
| Monitor Equivalent Input Noise | -104 dBV(A) (EQ disengaged), -101 dBV(A) (EQ engaged) |
| Output Noise | 20 dBA-SPL (EQ disengaged), 23 dBA-SPL (EQ engaged) |
| Acoustic Insertion gain | Off, -24 dB to +12 dB in 16 steps |
| Monitor Sensitivity, 500 Hz | 104 dB-SPL for -20 dBV (100 mVrms) input |
| Monitor Input Impedance | 10 kOhm |
| Limiter Type | Adaptive attack, average responding, frequency selective |
| Limiter Threshold | 76 dB-SPL to 104 dB-SPL in 8 steps and OFF 20 dB |
| Maximum Limiter Gain Reduction | dB |
| Multiband EQ | +/-12 dB at 60, 140, 330, 770, 1800, 4300, 10 kHz |
| Latency | 0 (EQ disengaged), 540 µsec (EQ engaged) |
| Operating Time (from full charge) | >7 hours |
| Charge Time (fully depleted battery) | ~5 hours |
| Battery State-of-Charge Indication | Four LEDs, with flashing low battery warning |

## SUPPORT

We are grateful you have decided to
be proactive about hearing health.
Talk to us:

NOTE:  This equipment has been tested and found to comply within 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
47 CFR Part 15, Subpart B

## Limited 1-year Warranty

ASI Audio warrants the 3DME IEM and 3DME Bodypack against defects in material, design and workmanship for a period of one year from the date of original purchase from ASI Audio or an authorized ASI reseller or distributor. ASI will repair or replace the defective product at its option if returned, within the warranty period, to our service facility in Beachwood, OH. This warranty is in lieu of other warranties, expressed or implied, including, but not limited to, any implied warranty or merchantability of fitness for a particular purpose.

## Requesting a Repair

If your product is not functioning properly, please review our Frequently Asked Questions page at www.asiaudio.com to help identify and address the problem. If it is necessary to return your product for warranty or post-warranty service, please use the Return Form and Instructions found on our website. Warranty repairs require proof of the date of purchase. Address repair emails to: customerservice@ asiaudio.com.

## Register Your Product

Register your 3DME through the ASI Audio app Help menu or visiting asiaudio.com.

**Caution:** No User Serviceable Parts Inside. Opening or Tampering with this unit will VOID the warranty. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**About ASI Audio**

ASI Audio, Inc. is the result of a partnership between Sensaphonics, Inc. and Think-A-Move, Ltd. By combining the patented Active Ambient™ technology developed by Sensaphonics with Think-A-Move's expertise in product/app design and manufacturing, we have created 3DME, a next-generation IEM product that takes you beyond mere monitoring to music enhancement.

**FCC Statement**

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

If the distance from the product to the human body is greater than 20cm, the following warning is required (this requirement is not required for micro-power SRD devices).

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**3DME is a professional equipment that is sold through ASI only**

**FCC Compliance Statement**
**Contains FCC ID: QOQBGM13P**

CAUTION: The manufacturer is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

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.

**ISED Compliance Statement**
**Contains IC: 5123A-BGM13P**
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada. CAN ICES-003 (B)/NMB-003(B)

**Supplier's Declaration of Conformity**
**47 CFR § 2.1077 Compliance Information**

**Product Name: 3DME BTG2**
**Product Model: BTG2**
**Manufacturer:**
ASI Audio, Inc.
23307 Commerce Park
Beachwood, OH 44122
info@asiaudio.com
www.asiaudio.com

**Modular Components Used:**
NAME: Bluetooth Low Energy wireless radio module
MODEL: BGM13P32A
FCC ID: QOQBGM13P
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.

**FCC Compliance Statement**
**Contains FCC ID: QOQ-GM220P**

CAUTION: The manufacturer is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

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.

**ISED Compliance Statement**
**Contains IC: 5123A-GM220P**
This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada. CAN ICES-003 (B)/NMB-003(B)

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**Product Model: BTG2**
**Manufacturer:**
ASI Audio, Inc.
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Beachwood, OH 44122
info@asiaudio.com
www.asiaudio.com

**Modular Components Used:**
NAME: Bluetooth Low Energy wireless radio module
MODEL: BGX220P22A
FCC ID: QOQ-GM220P
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.

ASI AUDIO

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x Sensaphonics

*www.asiaudio.com*