

3M WORKTUNES™

CONNECT | HEARING PROTECTOR

USER INSTRUCTIONS AND PRODUCT MANUAL

CONNECT | PROTECTOR AUDITIVO

INSTRUCCIONES DE USO Y MANUAL DEL PRODUCTO

PROTECTEURS AUDITIFS | CONNECT

DIRECTIVES D'UTILISATION ET MANUEL DU PRODUIT

TO 0097-7119-3 90570-00 34-2000-4702-6 01847931

©2024, 3M. All rights reserved. 3M and WorkTunes are trademarks of 3M. Used under license in Canada. The Bluetooth® world mark and logo are registered trademarks owned by Bluetooth SIG, INC. and any use of such marks by 3M is under license. All other trade names referenced are the service marks, trademarks, or registered trademarks of their respective companies.

Dist. By: 3M Company, 3M Center, St. Paul, MN 55144-1000

For more information in United States, see www.3MSafety.com or call 1-800-494-3552.

In Canada, call 1-800-267-4414.

In Australia, call 1-800 024 464.

MADE IN CHINA

©2024, 3M. Todos los derechos reservados. 3M y WorkTunes son marcas comerciales de 3M. Utilizada bajo licencia en Canadá. La marca denominativa y el logotipo de Bluetooth® son marcas comerciales registradas propiedad de Bluetooth® SIG, Inc. y cualquier uso de dichas marcas por parte de 3M se hace bajo licencia. Todos los demás nombres comerciales o los que se hace referencia en el documento son marcas de servicio, marcas comerciales o marcas comerciales registradas de sus respectivas empresas.

Distribuido por: 3M Company, 3M Center, St. Paul, MN 55144-1000

Para obtener más información en Estados Unidos, visite www.3MSafety.com o llame al 1-800-494-3552.

En Canadá, llame al 1-800-267-4414.

En Australia, llame al 1-800 024 464.

HECHO EN CHINA

©2024, 3M. Tous droits réservés. 3M et WorkTunes sont des marques de commerce de 3M, utilisées sous licence au Canada. La marque verbale et le logo Bluetooth® sont des marques déposées de Bluetooth® SIG, Inc. et toute utilisation de ces marques par 3M est faite sous licence. Toutes les autres appellations commerciales mentionnées sont des marques de service, des marques de commerce ou des marques déposées de leurs sociétés respectives.

Distribué par : La Compagnie 3M, 3M Center, St. Paul, MN 55144-1000

Pour obtenir de plus amples renseignements, consultez le site Web www.3MSafety.com ou composez le 1-800-494-3552.

Au Canada, composez le 1-800-267-4414.

En Australie, composez le 1-800 024-464.

FABRIQUÉ EN CHINE

3M WORKTUNES™

CONNECT HEARING PROTECTOR | MODEL NUMBER: 90570

CONNECT WITH GEL RINGS | MODEL NUMBER: 90571

SAFETY INFORMATION

Using hearing protection is crucial when you take on projects that expose you to sounds at or exceeding 85 decibels.

When worn properly, 3M® WorkTunes™ Connect helps reduce exposure to hazardous sounds produced when using power tools and equipment such as drills, hand Sanders, lawn mowers, garden tractors, powered leaf blowers, trimmers, and during recreational activities such as concerts, snowmobiles, and sporting events. For all very loud sounds, such as chain saws, circular saws, hammer drills, jack hammers, fireworks and gunfire, 3M recommends wearing earmuffs and earplugs at the same time for additional noise reduction. If you are wearing hearing protectors for noise outside of work, have your hearing tested by an audiologist, physician or other qualified professional on a regular basis. Hearing protectors should be worn at all times in noisy surroundings to assist with noise reduction.

*Source: U.S. Centers for Disease Control and Prevention (CDC)

Please read, understand and follow all safety information contained in these instructions prior to the use of this hearing protection product. Retain these instructions for future reference.

INTENDED USE:

This electronic hearing protection product is intended to help protect against hazardous noise. This electronic hearing protection product is used in low noise environments. Use in any other application has not been evaluated by 3M and may lead to an unsafe condition.

EXPLANATION OF SIGNAL WORD CONSEQUENCES
WARNING: Indicates a hazardous situation which, if not avoided, could result in serious injury or death.
CAUTION: Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury and/or property damage.

This hearing protection product helps reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. If there is any drainage from your ear or if you have an ear infection, consult with your physician before wearing hearing protection. Failure to do so may result in hearing loss or injury. For proper use, read *User Instructions* or call 3M Technical Service toll free at 1-800-494-3552.

TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS VOLTAGE AND FIRE:

- Never use this product or charge/replace batteries in an explosive environment.
- Only charge using 3rd party certified (such as UL, Intertek, etc.) equipment.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the local requirements.
- Do not disassemble, modify or service this device. The unit contains no user serviceable parts.

TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS NOISE:

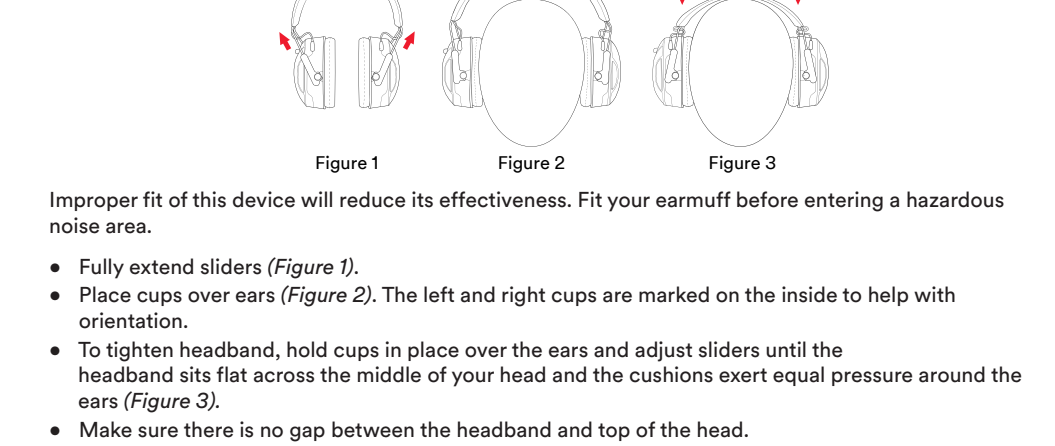
- Always wear hearing protectors when you are exposed to hazardous noise.
- Ensure hearing protection is properly fitted. Follow any fitting instructions included with this product.
- Do not bend or reshape the headband, as this will cause a loose fit and sound leakage.
- For best protection, the ear cushions should seal firmly against your head. Anything that interferes with the seal such as long hair (pull back to the extent possible), thick or poorly fitting eyeglass temples, pencils or caps may lessen the protection.
- Earmuffs must be regularly inspected for cracks and worn parts and for proper fitting. Replace as needed.
- Do not store the hearing protector in direct sunlight or at temperature above 131°F (55°C) or below 40°F (4°C). For example, behind a windshield or in a window.
- If you suspect that the noise reduction is inadequate, remove yourself from the noisy environment and then check fit, inspect the hearing protector, or consider another type of hearing protector.
- Using the entertainment or communication features of this device may reduce your situational awareness and ability to hear workplace warning signals. Stay alert and adjust the audio volume to the lowest acceptable level.
- Do not change between 'Safe Volume Control' and 'Limiter' settings during a single workday.

DISPOSAL

The WEEE logo (shown at the left) appears on the product to indicate that this product must not be disposed of or dumped with your other household wastes. You are able to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Dispose of components in accordance with all applicable local and governmental regulations.

FITTING INSTRUCTIONS

Be sure to read and understand all Safety Information before using this product.



IMPORTANT!

For proper fit, ear cushions should fully enclose the ears and seal firmly against the head, while the headband should rest snugly on the top of the head. Anything that interferes with the seal such as long hair (pull back to the extent possible), thick or poorly-fitting eyeglass temples, pencils or caps, will lessen the earmuff's effectiveness. Do not bend and reshape the headband as this will cause a loose fit and sound leakage.

CHECKING FIT

When earmuffs are correctly worn, your own voice should sound hollow, and sounds around you should not sound as loud as before wearing the earmuffs.

USE WITH BASEBALL CAPS

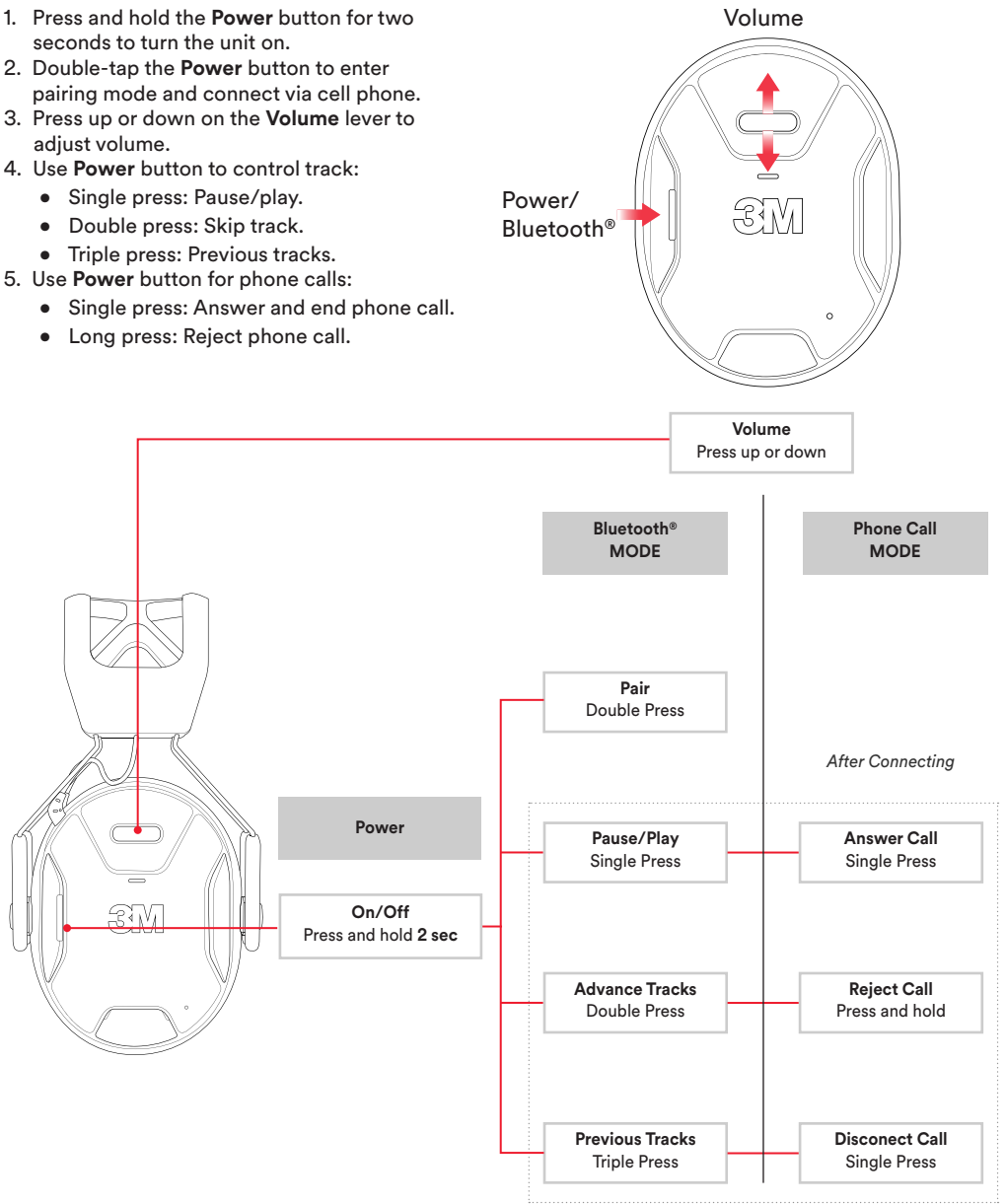
This headband has been designed to fit comfortably while wearing baseball caps. The middle hole in the vented headband allows the "button" that resides on top of most caps to fit through to help relieve pressure. However, use of hats or other accessories may interfere with the fit of the cups which may reduce the level of hearing protection while in use. Be sure to follow the fitting instructions carefully to help minimize potential for noise leakage.

QUICK START GUIDE

WARNING:

Consult Fitting Instructions prior to wearing to help achieve proper fit. Failure to do so may result in improper protection and could lead to hearing loss.

This Quick Start Guide is not a substitute for the *User Instructions*. Before use, the wearer must read and understand the *User Instructions*.



BASIC OPERATIONS

CHARGING THE HEADSET

To comply with regulatory guidelines, your hearing protector has been shipped to you with only a partial charge on its integrated lithium-ion battery pack. It is recommended to charge the hearing protector fully before the first use.

To charge the hearing protector, insert the supplied USB-C connector cable into the USB-C jack located on the bottom of the right cup of the hearing protector. Connect the other end of the cable to a suitable USB power source such as a computer or third party certified (UL, Intertek, etc.) USB wall adapter. The LED will blink blue while charging and change to solid blue when complete.

POWER

Press and hold Power/Bluetooth® button for 2 seconds to power ON/OFF headset. Voice Assist will announce "Power ON" or "Power OFF". When powered on, Voice Assist will also provide a battery status update based on 10% intervals. For example, it will say, "Battery 50%".

PAIRING THE DEVICE

Depending on your phone, you may be prompted to pair immediately upon powering on the device. If not, you can initiate pairing in one of two ways:

- Press and hold the Power/Bluetooth® button to power on the device and continue holding until the audio prompts have completed. The last prompt you will hear is, "Bluetooth® pairing on".

Or

- After powering on the device, double-press the Power/Bluetooth® button (pressing twice quickly less than 1/2 second apart). You will hear a voice prompt stating, "Bluetooth® pairing on".

On your cell phone or other device, connect to "WorkTunes Connect" using Bluetooth®. You will hear, "Bluetooth® connected" if paired correctly. Once paired, any time you power on thereafter, your phone will connect automatically if within range.

- If you don't connect the first time, verify the following:
- Bluetooth® is enabled on your phone or device.
 - Your phone or device isn't already connected to another Bluetooth® product.
 - Your WorkTunes™ device isn't paired to another phone or device.
 - Your phone and hearing protector are in close proximity.

VOLUME

Adjust the volume using the Volume lever or by using your cell phone's volume control. The volume settings on your phone and WorkTunes™ Connect are synchronized.

CONTROL AUDIO TRACKS

Use the Power/Bluetooth® button to control pause/play and skip tracks:

- Single-press to pause/play.
- Double-press to skip forward.
- Triple-press to skip back.

You can also use your native controls on your cell phone to control input volume, pause/play, and select tracks.

LOW BATTERY WARNING

The hearing protector will also provide a "Battery Low" warning every 20 minutes when battery capacity is low. An additional "Battery Empty" and "Power off" prompt will be heard as the hearing protector powers down when the battery is fully depleted. Recharge the unit at this time.

AUTO SHUTOFF

After 4 hours of inactivity, the hearing protector automatically powers down. To reset Auto Shutoff before it powers down, simply adjust volume or press any button. Alternatively, if no Bluetooth® device is connected for a period of 5 minutes, the Auto Shutoff feature will be activated and power down the device.

After Auto Shutoff, press and hold the ON/OFF button for 2 seconds to turn back on.

INCOMING CALLS

If you are connected to your phone via Bluetooth®, incoming phone calls will cause the music to be paused and, depending on your phone settings, you will hear your phone's ringtone or audio prompt. To answer an incoming call, press the Power/Bluetooth® button on the hearing protector once. To disconnect from a call, press the Power/Bluetooth® button once more. After disconnecting from a call, you will hear "Call terminated," and audio will resume. To reject a call and return to audio, press and hold the Power/Bluetooth® button for 2 seconds. After rejecting a call, you will hear "Call rejected," and audio will resume.

BLUETOOTH® RANGE

The typical range between a Bluetooth® device and the WorkTunes™ Connect Hearing Protector is approximately 50 feet. As the distance between the Bluetooth® device and the hearing protector increased, the risk of signal dropouts will also increase. For best results, keep your Bluetooth® device on your body or within arm's length of the Hearing Protector while using Bluetooth®. Your maximum range may vary, depending on your specific conditions.

Bluetooth® Technical Details
Maximum transmitting power: 4 dBm (EIRP)
Operating frequency band: 2402 MHz - 2480 MHz
30 FEET (or about 15 meters)

SAFE VOLUME CONTROL VS LIMITER MODE

- This device comes with two limiter modes intended to help prevent users from listening to audio too loud.
- The standard Limiter allows for a maximum volume level of 92 dB to be played through the speakers indefinitely.
 - The Safe Volume Control technology is a unique sound limiter that considers Recommended Exposure Limits (REL) over an entire workday. This technology allows you to enjoy your music at a higher volume, but for shorter periods of time. As you listen for longer periods of time, the device will automatically adjust the maximum volume to keep you within the recommended limits.

CHANGING LIMITER MODE

Your hearing protector comes with Safe Volume Control enabled by default. To change to Limiter mode, make sure your unit is powered off, then press down on the Volume lever and hold the Power button for five seconds. You will hear multiple audio prompts, including the announcement of, "Limiter mode".

To change back to Safe Volume Control, turn the unit off, then press up on Volume lever and hold Power button for five seconds.

HEARING CONSERVATION

NOISE REDUCTION RATING (NRR)

The U.S. Environmental Protection Agency (EPA) has selected the Noise Reduction Rating (NRR) as the measure of a hearing protector's noise-reducing capabilities. 3M makes no warranties as to the suitability of NRR as a measure of actual protection from any noise level since such protection depends on the sound level (loudness), how long you listen to the hazardous sound and how well you fit the earmuff over your ears. Although hearing protectors can be recommended for protection against harmful effects of impulsive noise, the NRR is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulse noises such as gunfire.

When worn according to the *User Instructions*, this hearing protector helps reduce exposure to both continuous noises, such as industrial noises and noises from vehicles and aircraft, as well as very loud impulse noises, such as gunfire. It is difficult to predict the required and/or actual hearing protection obtained during exposure to impulse noises. For gunfire, the weapon type, number of rounds fired, proper selection, fit and use of hearing protection, proper care of hearing protection, and other variables will impact performance. If your hearing seems dulled or you hear a ringing or buzzing during or after any noise exposure (including gunfire), or for any other reason you suspect a hearing problem, your hearing may be at risk. To learn more about hearing protection for impulse noise, visit www.3M.com/hearing.

WARNING

U.S. EPA specifies the NRR as the measure of hearing protector noise reduction. However, 3M makes no warranties as to the suitability of the NRR for this purpose. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations and guidance on how to adjust attenuation label values. It is recommended that the NRR be reduced by 50% to better estimate typical protection.

ANSI S3.19-1974

This hearing protector is tested to ANSI S3.19 for its hearing protection rating.

WHO SHOULD WORRY ABOUT NOISE?

No matter how old or young you are, too much exposure to hazardous noise can permanently damage your hearing. Whether it's the screech of a chain saw, the sudden blast of a hunting rifle or the roar of a lawn mower, exposure to hazardous sounds can cause noise-induced hearing loss (NIHL).

NIHL is widespread, and millions are at risk. Participant interviews and analysis of hearing tests conducted by the U.S. Centers for Disease Control in 2011 and 2012 indicated that 10 to 40 million adults may have hearing loss in one or both ears from exposure to hazardous noise. The CDC works in conjunction with NIOSH to educate on the topics of NIHL and NIHL prevention.

<https://www.cdc.gov/niosh/topics/noise/default.html>

WHAT IS NOISE REDUCTION RATING (NRR)?

The Environmental Protection Agency (EPA) has selected the Noise Reduction Rating (NRR) as the measure of a hearing protector's noise-reducing capabilities.

Here is an example of how NRR is calculated:

- A riding lawnmower operates at 95 decibels — not a safe level of sound to expose your ears to without hearing protection.
- Assume you have a hearing protector with an NRR of 25 decibels.
- When worn properly (by reading and following the *User Instructions* fully), your ears are only exposed to sound at 70 decibels (95 decibels - 25 decibels = 70 decibels) — a much safer decibel level for your ears. Keep in mind that an improper fit of this device will reduce its effectiveness. See Fitting Instructions to learn how to get a proper fit and seal. It is recommended that the NRR be reduced by 50% to better estimate typical protection.

WHAT IS A DECIBEL?

A decibel is a measurement term used to describe the intensity or strength of a sound wave. Continuous exposure to sounds over 85 decibels can cause permanent hearing loss. By understanding decibel level of a sound, you can choose the right hearing protection for your project. How can you tell if you are being exposed to noises 85 decibels or greater? Here's a quick test: If you have to raise your voice to talk to someone who is an arm's length away, you are likely in an environment with a sound level of 85 decibels or more.

ATTENUATION DATA (ANSI S3.19-1974)

ATTENUATION DATA (ANSI S3.19-1974)	150	250	500	1000	2000	3000	4000	6000	8000	NRR	CIA Index
Test Frequency (Hz)	150	250	500	1000	2000	3000	4000	6000	8000		
Mean Attenuation (dB)	21.7	28.3	31.0	34.1	36.2	38.7	37.6	40.6	41.2	25	A
Standard Deviation (dB)	2.1	2.4	2.4	2.5	2.9	3.0	2.8	3.8	3.9		

HARDER NUMBERING SYSTEM (ANSI S3.19-1974)	
COMPUTED 150, 250, 500, 1000, 2000, 3000, 4000, 6000, 8000	Result: 100%
Federal law prohibits retention of this label plus any other information except the EPA logo.	
USE, REUSE OR RECYCLE THIS LABEL AND ANY OTHER PROPERTY	

The EPA information is Federal records of EPA information.

Noise Reduction Rating 25 DECIBELS (WHEN USED AS DIRECTED)	ATTENUATION DATA (ANSI S3.19-1974)											
	Test Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
	Mean Attenuation (dB)	19.4	26.3	29.5	33.4	38.1	38.4	38.1	41.6	42.8		
	Standard Deviation (dB)	3.9	3.6	2.7	3.5	3.2	3.7	3.9	3.8	3.5	25	A
	THE RANGE OF NOISE REDUCTION RATINGS FOR EACH MEASUREMENT POSITION IS APPROXIMATELY +/- 10 DB											

JBL COMPANY 375 PARKWAY		Model 10557
Federal Identification removal of this label prior to disposal		EPA U.S. ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

The level of noise entering a person's ear when a hearing protector is worn as directed is closely approximated by the difference between the A-weighted environmental noise level and the NRR. Improper fit of this device will reduce its effectiveness in attenuating noise. Consult the enclosed instructions for proper fit.

- The environmental noise level as measured at the ear is 92 decibels dB(A).
- The NRR is 26 dB(A).
- The level of noise entering the ear is approximately equal to 66 dB(A).

CAUTION

For hazardous environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used. The NRR used in the above example was achieved under laboratory conditions.

ATTENUATION FOR AUSTRALIA / NEW ZEALAND

(AS/NZS 1270:2002) SOUND LEVEL CONVERSION (SLC80) RATING

3M WORKTUNES™ CONNECT	AS/NZS 1270:2002
TEST FREQUENCIES (Hz)	125 250 500 1000 2000 4000 8000 SLC CLASS
Mean Attenuation (dB)	17.4 20.7 22.1 23.8 24.3 27.3 27.8 25.5
Standard Deviation (dB)	2.5 2.2 2.4 2.3 2.3 2.3 2.2

3M WORKTUNES™ CONNECT HEARING PROTECTOR WITH GEL RINGS	AS/NZS 1270:2002
TEST FREQUENCIES (Hz)	125 250 500 1000 2000 4000 8000 SLC CLASS
Mean Attenuation (dB)	17.7 19.5 25.8 31.9 32.2 34.1 36.2 25.5
Standard Deviation (dB)	4.6 4.7 4.8 3.8 4.6 6.1 6.3
Mean Attenuation (dB)	17.4 14.8 23.0 28.1 27.6 29 37.1

This product has been tested in accordance with the requirements in AS/NZS 1270 and has met the specifications of hearing protector Class 5.

When selected, used and maintained as specified in AS/NZS 1989.3, this hearing protector may be used in noise up to 110 dB(A) assuming an 85dB(A) criterion. A lower criterion may require a higher protector class.

Mean = Mean attenuation value derived from testing in accordance with AS/NZS1270:2002. SD = Standard Deviation derived from testing in accordance with AS/NZS1270:2002. Mean-SD = Mean attenuation value minus Standard Deviation SLC80 = Single number rating commonly used in Australia and New Zealand to compare the acoustic performance of hearing protectors. The subscript "80" indicates that in a well-managed hearing protector program, the protection provided is expected to equal or exceed the SLC80 in 80% of protector-wearer noise spectrum combinations. Class = A simplified process for selecting hearing protectors based on the wearer's 8-hour equivalent continuous A-weighted sound pressure level.

CARE AND CLEANING

If you are need a replacement part or for additional information, contact 3M customer service at 1-800-494-3552.

CLEANING

- Wipe down the headband and ear cushions using a dry sponge or cloth and warm, soapy water. Remove any soapy residue using a clean, damp cloth and dry thoroughly.
- If desired, you can pull off the ear cushions and foam liners prior to washing.
- Let the foam liner dry before re-inserting into ear cups.
- Do not use solvents, or harsh or abrasive chemicals.
- Do not use a disinfecting wipe as they may contain ingredients that can dry out the material.
- Do not immerse in water.

FAQs

Q: I'm double pressing, but it's not connecting to my phone/device. What should I do?

A: Is your unit saying, "Bluetooth® pairing"? If not, you need to double press more quickly (2 presses in less than 1/2 second). Keep trying until you hear it.

Q: My hearing protector says, "Bluetooth® pairing," but it isn't showing up on my phone/device. How do I get my phone/device to recognize the unit?

A: Try the following suggestions. If one step doesn't resolve the issue, go to the next step:

- Make sure you are searching/scanning for Bluetooth® devices on your phone.
- Turn your phone's Bluetooth® off and on.
- Turn your phone completely off and turn it back on.
- You may have too many other Bluetooth® products paired to your phone. Try to "forget" or "unpair" some and try again.
- Check to see if your phone needs any system updates, and update if needed.
- Perform a "factory reset" on your hearing protection device (see last FAQ).
- If you still can't connect, you will need to contact your phone's manufacturer for help as it is likely an issue with the phone's Bluetooth® firmware.

Q: I can pair to my phone just fine, but when I try to pair to a different device, it won't work. What can I do?

A: You may need to "forget" or "unpair" the device from your phone in order to connect to a new device.

Q: Can Hearing Protector be used in wet conditions?

A: This hearing protector is not waterproof, meaning that it is not meant to be submerged in water. However, we realize that it may not be possible to keep the unit dry at all times. Thus, the hearing protector was designed to tolerate moisture that you might encounter with outdoor lawn and gardening work (i.e., perspiration, a light rain, etc.). If the inner cushions get damp or wet, remove them and allow to dry before reassembly.

Q: How do I turn my device back on after it Auto-Shuts off?

A: Press and hold the power button for 2 seconds.

Q: Is there a front and back/right and left?

A: There is an L and R printed on the foam inside each cup to help you orient the device on your head. The controls should be on the right cup.

Q: How long is the manufacturer's warranty?

A: There is a two-years limited warranty for this product. See Warranty section for more information.

Q: How do I reset the unit? (Factory Reset)

A: A factory reset will restore all default settings and clear any remembered devices. To perform a Factory Reset, start with the headset powered on, then press and hold the Power Button with the Volume lever up for ten seconds. The LED light will flash three times and the audio assist will say "Factory reset. Power off." The device has now been reset to its default settings.

SPECIFICATIONS AND APPROVALS

FCC INFORMATION

This device complies with Part 15 of the U.S. Federal Commission Rules (FCC Rules). The device makes no warranties as to the suitability of the NRR for this purpose. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations and guidance on how to adjust attenuation label values. It is recommended that the NRR be reduced by 50% to better estimate typical protection.

Modifications to this device shall not be made without the written consent of 3M Company. Unauthorized modifications may void the authority granted under FCC Rules permitting the operation of this device.

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

