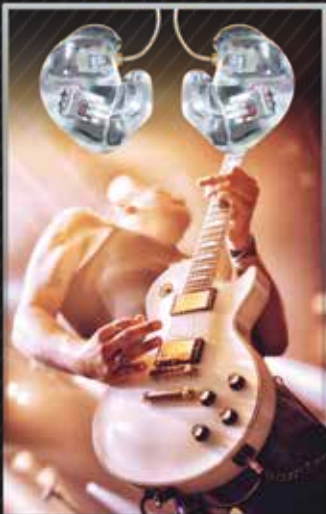




PRODUCT GUIDE

QUALITY CUSTOM-FIT EARMOLDS



 THE SOUND
SOLUTION THAT FITS

WWW.HEARSMART.COM



VOLUME 6
2019

OPTIONS



standard



canal



countersunk



skeleton



removable
cord



permanent
cord



removal
handle

STANDARD SILICONE



clear



beige



white



grey



black



hot pink



red



brown



lilac



purple



blue



turquoise



green



lime



yellow



orange

ADD SPARKLES:



silver



gold



opal



rainbow

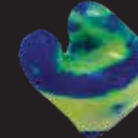
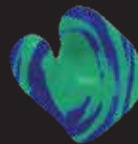


red



blue

EXAMPLES OF SWIRL COLOUR COMBINATIONS (SHOWN IN STANDARD SILICONE):



FLOATABLE SILICONE *Note: Not for hearing protection. Cannot add sparkles



blue



green



yellow



orange



red



beige

ACRYLIC *Note: Acrylic colours are hand-finted and may vary



clear



beige



white



grey



black



pink



hot pink



brown



purple



blue



light blue



green



dark green



yellow



orange



red

CUSTOM EAR PROTECTION PRODUCTS

Class A Solid Earplugs NRR 26 dB



Available in Standard Silicone Colours

With the highest amount of sound reduction, our Class A Solid Earplugs are a comfortable solution for work applications or recreational activities where hearing protection is required. Suitable for noise levels from drilling, concrete saws, metal work, wind noise from riding motorcycles, firearms, and countless other environments. Recommended for noise levels ≤ 105 dB.

*Please note that in extremely high noise situations above 105 dB, such as when using a jackhammer, wearing double protection (earplugs and ear muffs) is recommended.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » Choice of Cord with Shirt Clip
- » Standard Black Nylon Pouch
- » Ear Lubricant

Options:

- » Removable Cord (Black Nylon or Clear Plastic)
- » Permanent Cord (Black Nylon)
- » Removal Handles
- » Metal Detectable Ball
- » Metal Detectable Cord

Sizes:

- » Standard Size (Recommended for optimal seal)
- » Canal Size
- » Shallow Pour (no attachments - poured thin for use under helmet)

Class B Filtered Earplugs NRR 21 dB



Available in Standard Silicone Colours

Designed with an acoustic filter, our Class B Earplugs allow speech frequencies to be heard while simultaneously protecting your hearing from damaging noise levels. Class B Earplugs are perfect for environments where communication is essential, such as for construction and industrial workers, road workers, and mechanics. Also great for motorcyclists wearing full-face helmets, so important road sounds are still able to be heard. Recommended for noise levels ≤ 95 dB.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » Choice of Cord with Shirt Clip
- » Standard Black Nylon Pouch
- » Ear Lubricant

Options:

- » Removable Cord (Black Nylon or Clear Plastic)
- » Permanent Cord (Black Nylon)
- » Removal Handles
- » Metal Detectable Ball
- » Metal Detectable Cord

Sizes:

- » Standard Size (Recommended for optimal seal)
- » Canal Size
- » Shallow Pour (no attachments - poured thin for use under helmet)

Class C Filtered Earplugs NRR 15 dB



Available in Standard Silicone Colours

Class C Earplugs reduce less noise than Class A or B Earplugs, and allow more speech and/or radio sounds in. Intended for those in moderate noise levels such as semi-truck drivers, traffic controllers, and those using light drills, or lawn mowers. Also suitable for those with hearing loss where hearing protection is still required. Recommended for noise levels ≤ 90 dB.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » Choice of Cord with Shirt Clip
- » Standard Black Nylon Pouch
- » Ear Lubricant

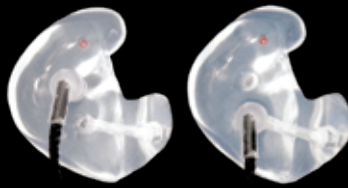
Options:

- » Removable Cord (Black Nylon or Clear Plastic)
- » Permanent Cord (Black Nylon)
- » Removal Handles
- » Metal Detectable Ball
- » Metal Detectable Cord

Sizes:

- » Standard Size (Recommended for optimal seal)
- » Canal Size
- » Shallow Pour (no attachments - poured thin for use under helmet)

Adjustable B Filtered Earplugs NRR 21 dB open / -25 dB Closed



Vent Open

Vent Closed

Available in Standard Silicone Colours

Our most versatile custom earplugs allow you to choose more or less sound reduction to suit your changing environments. With the removable cord plugged into the top socket, you are able to hear speech frequencies through the acoustic filter while simultaneously protecting your hearing from damaging noise levels. When you're exposed to higher noise levels, you can plug the removable cord into the vent (bottom socket) to receive additional sound reduction. Also available with Class C Filters.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » Removable Cord with Shirt Clip
- » Standard Black Nylon Pouch
- » Ear Lubricant

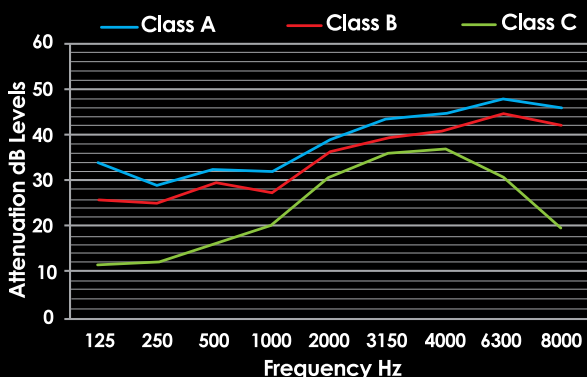
Options:

- » Removable Cord (Black Nylon or Clear Plastic)
- » Metal Detectable Ball
- » Metal Detectable Cord

Sizes:

- » Standard Size Only

ATTENUATION DATA



Class A Solid: NRR 26 dB Average Attenuation: 38.6 dB

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation (dB)	33.8	28.8	32.4	31.9	38.9	43.5	44.7	47.8	45.9

Class B Filtered: NRR 21 dB Average Attenuation: 34.6 dB

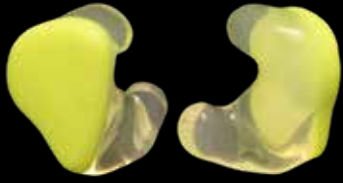
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation (dB)	25.8	25.3	29.5	27.3	36.0	39.5	41.0	44.8	42.0

Class C Filtered: NRR 15 dB Average Attenuation: 23.9 dB

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation (dB)	11.6	12.2	16.4	20.6	30.9	36.1	36.8	30.7	19.6

CUSTOM EAR PROTECTION PRODUCTS

Swim Earplugs



Available in Floatable Silicone Colours

Whether you are aiming to minimize the chance of ear infection or are engaged in water sports, our Swim Earplugs are a comfortable solution to prevent water from entering your ears. The canal portion of the earmold is manufactured using our flexible Standard Silicone to provide an optimal fit, seal, and the best comfort; while the outside portion is made from our floatable silicone. (Please note Swim plugs are not for noise protection).

Included Features and Accessories:

- » Hypo-Allergenic Floatable Silicone
- » Cord with Shirt Clip
- » Standard Black Nylon Pouch
- » Ear Lubricant

Options:

- » Removable Cord (Black Nylon or Clear Plastic)
- » Removal Handles

Sizes:

- » Standard Size Only (to avoid water leakage)

Sleep Earplugs



Available in Standard Silicone Colours

Made with a soft silicone, the Sleep Earplugs are carefully shaped to ensure a comfortable and quiet sleep. Great for long flights, studying, or for sleep during shift work. End your sleepless nights due to snoring or the neighbor's dog barking while still being able to hear important sounds such as your alarm clock or baby monitor.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » Standard Black Nylon Pouch
- » Ear Lubricant

Options:

- » Please note that cords and handles are not available on Sleepers

Sizes:

- » Canal Size (Recommended for optimal comfort)
- » Countersunk

CUSTOM SHOOTING PRODUCTS

HearSmart™ Shooting Earplugs



Available in Standard Silicone Colours

Designed for hunters, firearm enthusiasts, and artillery, the HearSmart™ Shooting Earplugs are made specifically for loud impulse sounds such as gunfire, nail guns, drop hammers, or riveting. The acoustic filters provide continuous sound reduction, as well as increasing reduction as incoming noise levels rise. The vented design of the filters allow users to maintain spatiality and sound directionality, while minimizing the occlusion effect. The interchangeable filters can be swapped with another sound reduction level, and are compatible with the HearSmart™ Music Earplugs.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » HS Impulse Filter of your choice for each ear
- » Standard Black Nylon Pouch
- » Wax Removal Tool
- » Ear Lubricant

Filter Options:

- » HS Impulse 15
- » HS Impulse 19

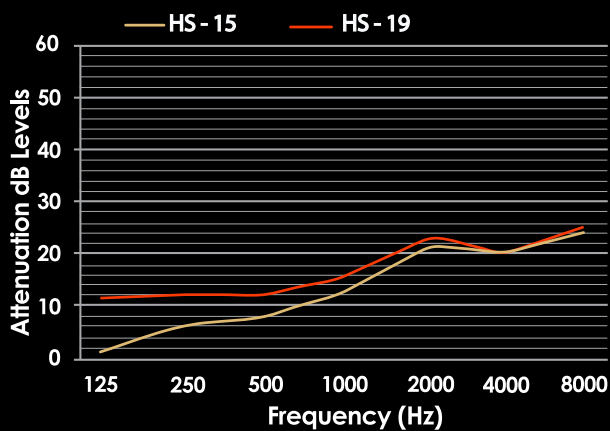
Options:

- » Removable Cord (Black Nylon or Clear Plastic)
- » Permanent Cord (Black Nylon)

Sizes:

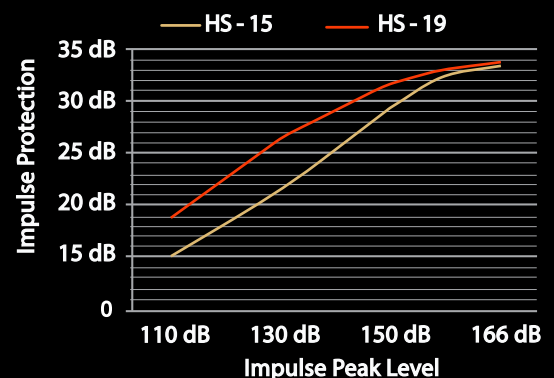
- » Canal Size
- » Standard Size

HearSmart™ Shooting Earplugs Attenuation Data



Attenuation (dB)	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	SNR
HS Impulse 15	1	6	7	13	22	20	24	15
HS Impulse 19	11	12	12	16	23	20	25	19

HearSmart™ Shooting Earplugs Peak Level



ANSI Impulse Peak Insertion Loss (IPIL)	130 dB	150 dB	158 dB	166 dB
HS Impulse 15	21.3 dB	29.3 dB	32.3 dB	33.1 dB
HS Impulse 19	26.3 dB	31.1 dB	33.0 dB	33.7 dB

CUSTOM COMMUNICATION PRODUCTS



Bluetooth Earmold



Available in Standard Silicone Colours

Our Bluetooth Earmold is designed to fit over the flange of your BT device to provide clear hands-free communication that remains comfortable even when worn for extended periods of time. Unlike a generic tip, our custom earmold fits securely in your ear so it won't fall out. Most common Bluetooth devices can be adapted to a custom-fit earmold. Must provide Bluetooth device or a picture of the flange tip to ensure your device is compatible. **Custom Earmold only; bluetooth device not included.**

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » Single Side Earmold
- » Standard Black Nylon Pouch
- » Ear Lubricant

Options:

- » Non-Vented (reduces external sounds)
- » Vented (allows external sounds)
- » Vented with Class B, C, or HS Filter (\$)
(Reduces some external sounds)

Sizes:

- » Standard Size
- » Canal Size
- *Some devices require select size

Comm Earmold



Available in Standard Silicone Colours

Our custom communication earmolds are designed to replace generic earpieces that are attached to 2-way radios. The earmold includes a plastic right angle elbow attachment that plugs directly into coiled or straight Acoustic Tubing. Designed for professionals who require non-obtrusive 2-way radio communication that will remain in the ear comfortably for extended periods of time. For those working in noise, an earplug can be purchased for the other ear to offer equal protection. Binaural CommEar Headset also available. *****Acoustic tubing sold separately.**

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » Single Side Earmold
- » 90° Elbow Attachment
- » Standard Black Nylon Pouch
- » Ear Lubricant

Options:

- » Non-Vented (reduces external sounds)
- » Vented (allows external sounds)
- » Vented with Class B, C, or HS Filter (\$)
(Reduces some external sounds)

Sizes:

- » Standard Size
(Recommended for durability)
- » Skeleton Earmold
(Visually discreet)

CommEar

Speaker/Mic Attachment



Available in Standard Silicone Colours

The Speaker/Mic Attachment Cable is a commercial grade kit that is used by law enforcement agencies, security companies, casinos, and retailers for easy and discreet communication. The wire attaches directly into your shoulder mic with either a 3.5mm or 2.5mm jack. Can be adapted to most speaker microphone brands available. For those working in noise, an earplug can be purchased for the other ear to offer equal protection.

Included Features and Accessories:

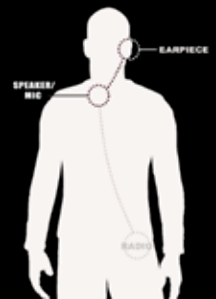
- » Hypo-Allergenic Medical Grade Silicone
- » Single Side Earmold
- » 90° Elbow Attachment
- » Acoustic Tubing
- » Transducer
- » Cable (9" or 18" to Speaker/Mic)
- » Black Nylon Earphone Case
- » Ear Lubricant

Options:

- » Non-Vented (reduces external sounds)
- » Vented (allows external sounds)
- » Vented with Class B, C, or HS Filter (\$)
(Reduces some external sounds)
- » Intrinsically Safe (I.S.) (\$)

Sizes:

- » Standard Size
(Recommended for durability)
- » Skeleton Earmold (Visually discreet)



CommEar Listen Only

Radio Attachment



Available in Standard Silicone Colours

The commercial grade Listen Only Radio Attachment Kit is the ideal solution for monitoring radio communication in a discreet manner. The low profile cable plugs directly into the radio's accessory port and allows the user to operate the radio normally while all communication is heard through the ear piece. Numerous connector combinations available to be adapted to almost any radio brand. For those working in noise, an earplug can be purchased for the other ear to offer equal protection.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » Single Side Earmold
- » 90° Elbow Attachment
- » Acoustic Tubing
- » Transducer
- » Cable (radio attachment)
- » Black Nylon Earphone Case
- » Ear Lubricant

Options:

- » Non-Vented (reduces external sounds)
- » Vented (allows external sounds)
- » Vented with Class B, C, or HS Filter (\$)
(Reduces some external sounds)
- » Intrinsically Safe (I.S.) (\$)

Sizes:

- » Standard Size
(Recommended for durability)
- » Skeleton Earmold (Visually discreet)



CUSTOM COMMUNICATION PRODUCTS

CommEar PTT Surveillance Kit 1-Wire



Available in Standard Silicone Colours

The 1-Wire PTT (Push-to-talk) Kit is the ultimate covert solution for the user who demands radio communication at its best. Built to withstand use in demanding environments, this is a full-size PTT system. Numerous connector combinations available can be adapted to most radio brands. Designed to be worn on the exterior of clothing.

For those working in noise, one can upgrade to include one of our acoustic filters to provide noise reduction, as well as purchase an earplug for the other ear to offer equal protection.

Included Features and Accessories:

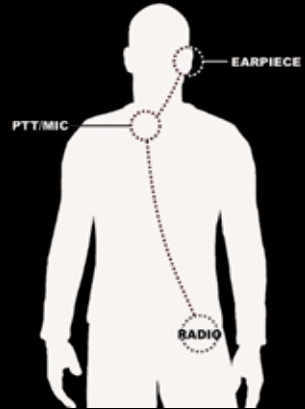
- » Hypo-Allergenic Medical Grade Silicone
- » Single Side Earmold
- » 90° Elbow Attachment
- » Acoustic Tubing
- » Transducer
- » 1-Wire PTT and Microphone Cable
- » Black Nylon Earphone Case
- » Ear Lubricant

Options:

- » Non-Vented (reduces external sounds)
- » Vented (allows external sounds)
- » Vented with Class B, C, or HS Filter (\$) (Reduces some external sounds)
- » Intrinsically Safe (I.S.) (\$)

Sizes:

- » Standard Size (Recommended for durability)
- » Skeleton Earmold (Visually discreet)



CommEar PTT Surveillance Kit 2-Wire



Available in Standard Silicone Colours

A top seller within the communication kits, the 2-Wire PTT Surveillance Kit is already in use by thousands of law enforcement officers, casino staff, retail company personnel, and nightclub staff. With heavy duty strain relief, this product is well proven in the field by heavy duty users. Can be adapted to most radio brands available. Designed to be secured underneath clothing.

For those working in noise, one can upgrade to include one of our acoustic filters to provide noise reduction, as well as purchase an earplug for the other ear to offer equal protection.

Included Features and Accessories:

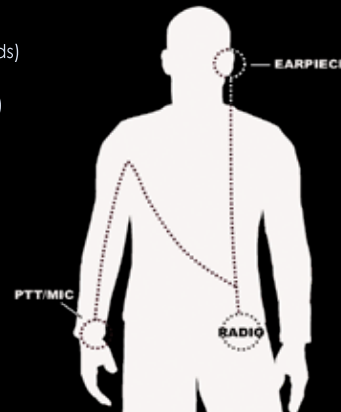
- » Hypo-Allergenic Medical Grade Silicone
- » Single Side Earmold
- » 90° Elbow Attachment
- » Acoustic Tubing
- » Transducer
- » 2-Wire PTT and Microphone Cable
- » Black Nylon Earphone Case
- » Ear Lubricant

Options:

- » Non-Vented (reduces external sounds)
- » Vented (allows external sounds)
- » Vented with Class B, C, or HS Filter (\$) (Reduces some external sounds)
- » Intrinsically Safe (I.S.) (\$)

Sizes:

- » Standard Size (Recommended for durability)
- » Skeleton Earmold (Visually discreet)



AFR-1 Audiofuse™ Race Monitors



Available in Standard Silicone Colours

The AudioFuse™ AFR-1 Race Monitors represent the latest in race team communications. These premier monitors are used by professionals and recreational racers alike. The bottom exit cable and soft silicone ensure the highest degree of comfort, even when worn under a helmet. Stay protected from extreme noise levels on the track with up to 26 dB of noise reduction. Inside the earmolds are micro-armature drivers that reproduce pit crew communications with exceptional sound clarity. In the world of competitive racing, strategic communications are critical to success and winning on the track.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » 2 Single Balanced Armature Drivers
- » Permanent 20" Black Braided Cable with 3.5mm (1/8") Gold Plated MONO Jack
- » Shirt Clip
- » Wax Removal Tool
- » Black Nylon Earphone Case
- » Ear Lubricant

Options:

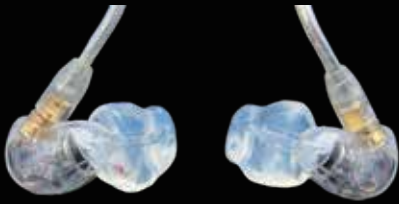
- » Impedance: 29 Ohms @ 1kHz
- » Sensitivity: 113 dB @ 1mw
- » Frequency Response: 22 Hz to 16 kHz
- » Noise Isolation: -26 dB

Sizes:

- » Standard Size
- » Shallow Pour (poured thin for use under helmet)
- » Canal Size

MUSIC AND PRO IN-EAR AUDIO

AFS-1 Audiofuse™ Earbud Sleeves



Available in Standard Silicone Colours

Custom-Fit Earbud Sleeves are a cost effective solution to provide personalized comfort for your favorite earphones or monitors (also available for pilot and CEP devices). The earmolds are designed to simply pop onto the flange of the device. A proper fit keeps your earphones from falling out, increases sound clarity, and provides 26 dB of sound reduction. Most common earbud brands can be adapted to custom earmolds. Must include device for an accurate fit, or ensure the lab has an existing template for the make and model. Earmold Sleeves only; device not included.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » Black Nylon Earphone Case
- » Wax Removal Tool
- » Ear Lubricant

Sizes:

- » Standard Size
- » Canal Size
- *Some earbuds require select earmold size

HearSmart™ Music Earplugs



Available in Standard Silicone Colours

The HearSmart™ Music Earplugs offer a flat attenuation response that produces some of the most natural sounding earplugs available. Designed for music performers and concert goers alike, the clarity of sound is maintained while simultaneously reducing sound to safe levels. The small filter design provides a discreet and comfortable fit for any ear size, and also ensures the filter will remain secure in the earmold and cannot fall out. With four interchangeable filter levels to choose from, you can reduce the sound level to exactly where you need it. Our HS Music filters are also interchangeable with the HS Shooting filters.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » HS Music Filter of your choice for each ear
- » Standard Black Nylon Pouch
- » Wax Removal Tool
- » Ear Lubricant

Filter Options:

- » HS Music 12
- » HS Music 17
- » HS Music 19
- » HS Music 25

Sizes:

- » Canal Size Only (to ensure filters are angled correctly)



ER Musicians Earplugs



Available in Standard Silicone Colours

ER Musicians Earplugs use high fidelity filters that protect your hearing without compromising the clarity of music and speech. The sound quality is the same as you would hear it without earplugs, but with less volume. With interchangeable filters, you can purchase more than one sound reduction level to ensure you have the right protection for different environments. Choose from three levels of sound reduction; ER-9, ER-15, ER-25. Music teachers or student musicians would be adequately protected with ER-15 filters, whereas rock performers using amplified instruments would require the higher sound reduction of ER-25's.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » ER Filter of your choice for each ear
- » Standard Black Nylon Pouch
- » Wax Removal Tool
- » Ear Lubricant

Filter Options:

- » ER-9
- » ER-15
- » ER-25

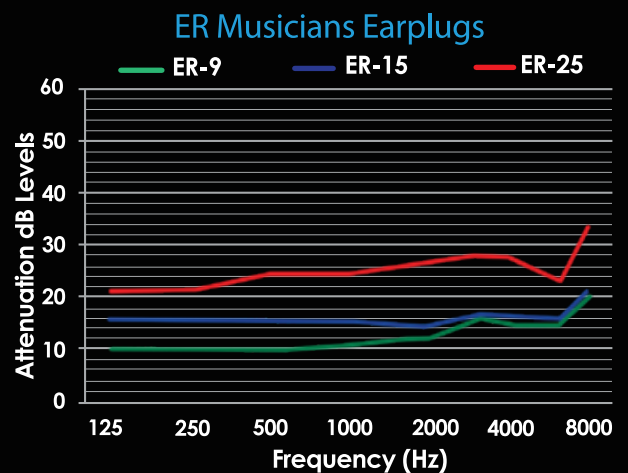
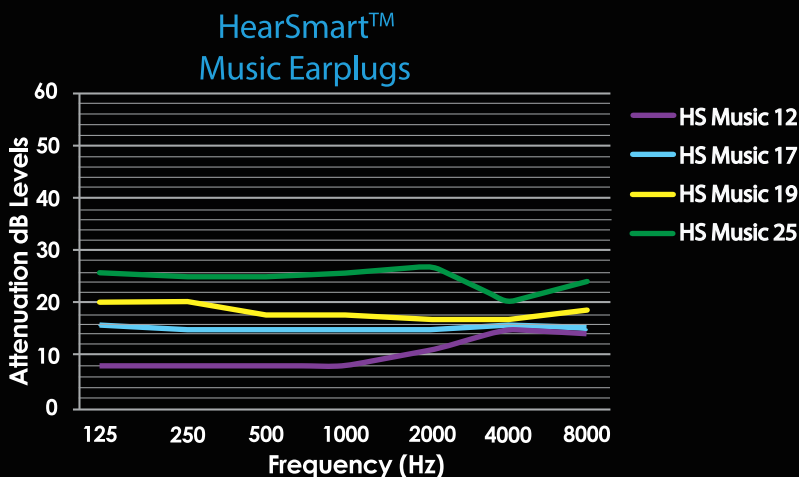
Sizes:

- » Canal Size Only (to ensure filters are angled correctly)



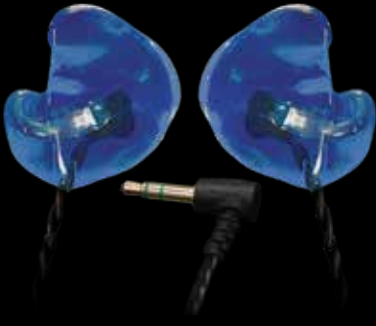
Attenuation (dB)	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	SNR
HS Music 12	8	8	8	8	11	15	14	12
HS Music 17	16	15	15	15	15	16	15	17
HS Music 19	20	20	18	18	17	17	19	19
HS Music 25	26	25	25	26	27	20	24	25

ATTENUATION DATA



MUSIC AND PRO IN-EAR AUDIO

AFE-1 Audiofuse™ Single Driver Earphones



Available in Standard Silicone Colours

Made with a comfortable silicone, the AFE-1's have single balanced armature drivers built right into custom earmolds. The comfort of flexible earmolds that truly fit the contours of your ears ensures the earphones won't fall out. Experience remarkable clarity and volume ability at an affordable price. These earphones can plug into any audio device with a standard 3.5 mm audio outlet. Perfect for uses such as exercising, motor-sports, or traveling.

Designed specifically for recreational purposes, we intentionally have the permanently attached wire exiting the bottom of the earmolds to allow helmets to be pulled on and off without kinking or bending the wire. This provides further durability, and enables us to keep the earmolds as flush as possible to the ear to fit under tight helmets.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » 2 Single Balanced Armature Drivers
- » Permanent 58" Black Braided Cable with 3.5 mm Gold Plated Stereo Jack
- » Shirt Clip
- » Black Nylon Earphone Case
- » Wax Removal Tool
- » Desiccant Disk
- » Ear Lubricant

Specifications:

- » Impedance: 29 Ohms @ 1kHz
- » Sensitivity: 113 dB @ 1mw
- » Frequency Response: 22 Hz to 16 kHz
- » Noise Isolation: -26 dB

Sizes:

- » Standard Size
- » Shallow Pour (poured thin for use under helmet)
- » Canal Size

Permanently Attached Cable Options:

- » Short 20" Black Braided Cable with 3.5 mm Gold Plated Stereo Jack
- » 50" Black In-Line Mic Cable with 3.5 mm Gold Plated Stereo Jack (\$)
Note: Some ILM functions, such as volume control, are not compatible with Android models.
- » Black Bluetooth In-Line-Mic Cable (\$)

AFE-2XB Audiofuse™ Dual XB Driver Earphones



Available in Clear Standard Silicone
(Fee for Faceplate colour)

The AFE-2XB Audiofuse™ Earphones feature a dedicated woofer for ultra-low frequency extension paired with a mid/high frequency driver that creates a full and dynamic audio performance impressing even the most critical audiophile. These are designed for sound fullness, low frequency emphasis and a richness that is rarely seen in generic earbuds.

Designed specifically for recreational purposes, we intentionally have the permanently attached wire exiting the bottom of the earmolds to allow helmets to be pulled on and off without kinking or bending the wire. This provides further durability, and enables us to keep the earmolds as flush as possible to the ear to fit under tight helmets.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » 2 Dual Balanced Armature Drivers (1 Low, 1 Mid/High)
- » 2-Way Passive Crossover Network
- » Permanent 58" Black Braided Cable with 3.5 mm Gold Plated Stereo Jack
- » Shirt Clip
- » Black Nylon Earphone Case
- » Wax Removal Tool
- » Desiccant Disk
- » Ear Lubricant

Specifications:

- » Impedance: 47 Ohms @ 500Hz
- » Sensitivity: 113.5 dB @ 1mw
- » Frequency Response: 20 Hz to 16 kHz
- » Noise Isolation: -26 dB

Sizes:

- » Standard Size Only

Permanently Attached Cable Options:

- » Short 20" Black Braided Cable with 3.5 mm Gold Plated Stereo Jack
- » 50" Black In-Line Mic Cable with 3.5 mm Gold Plated Stereo Jack (\$)
Note: Some ILM functions, such as volume control, are not compatible with Android models.
- » Black Bluetooth In-Line-Mic Cable (\$)

AFE-3 Audiofuse™ Triple Driver Earphones



Available in Clear Standard Silicone
(Fee for Faceplate colour)

The AFE-3 Audiofuse™ Earphones are made for true audiophiles and offer a sound experience professional and recreational music lovers will appreciate. Built using the same driver configuration as the AFM-3 Pro Monitors allows for professional level sound quality at a budget friendly price. The large dedicated woofer alongside a dual driver will highlight the mid and high frequency ranges and showcase perfectly balanced depth and clarity.

Designed specifically for recreational purposes, we intentionally have the permanently attached wire exiting the bottom of the earmolds to allow helmets to be pulled on and off without kinking or bending the wire. This provides further durability, and enables us to keep the earmolds as flush as possible to the ear to fit under tight helmets.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone
- » 2 Triple Balanced Armature Drivers (1 Low, Dual Mid/High)
- » 3-Way Passive Crossover Network
- » Permanent 58" Black Braided Cable with 3.5 mm Gold Plated Stereo Jack
- » Shirt Clip
- » Black Nylon Earphone Case
- » Wax Removal Tool
- » Desiccant Disk
- » Ear Lubricant

Specifications:

- » Impedance: 23 Ohms @ 500Hz
- » Sensitivity: 113 dB @ 1mw
- » Frequency Response: 16 Hz to 18 kHz
- » Noise Isolation: -26 dB

Sizes:

- » Standard Size Only

Permanently Attached Cable Options:

- » Short 20" Black Braided Cable with 3.5 mm Gold Plated Stereo Jack
- » 50" Black In-Line Mic Cable with 3.5 mm Gold Plated Stereo Jack (\$)
Note: Some ILM functions, such as volume control, are not compatible with Android models.
- » Black Bluetooth In-Line-Mic Cable (\$)

MUSIC AND PRO IN-EAR AUDIO

AFM-2XB Audiofuse™ Dual XB Driver Monitors

The AFM-2XB Audiofuse™ In-Ear Monitors are tailored to provide a combination of affordability and professional audio performance. The dedicated woofer paired with a mid/high driver create a full and dynamic sound signature showcasing exceptional low frequency response, smooth mids, and crystal-clear highs. Perfect for emerging bands, live performers and true music lovers, the 2XB In-Ear Monitors will bring depth and clarity while keeping sound accurate and intricate.

Choose between our flexible and comfortable clear silicone or hard acrylic shells. Both styles are worn over the ear to remain discreet and out of the way. Professional musicians will appreciate the 26 dB of noise isolation allowing for safe studio and stage performance.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone or Durable Hard Acrylic
- » 2 x Dual Balanced Armature Drivers (1 Low, 1 Mid/High)
- » 2-Way Passive Crossover Network
- » 50" Linum T2 BaX Detachable Cable with 3.5mm Gold-Plated Input Connector
- » Shirt Clip
- » Deluxe Monitor Case
- » Wax Removal Tool
- » Desiccant Disk
- » Ear Lubricant

Specifications:

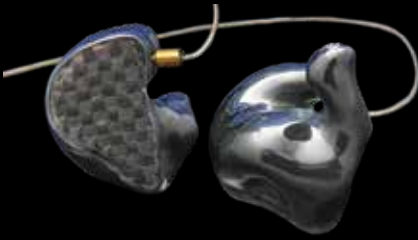
- » Impedance: 47 Ohms @ 500Hz
- » Sensitivity: 113.5 dB @ 1mw
- » Frequency Response: 20 Hz to 16 kHz
- » Noise Isolation: -26 dB

Sizes:

- » Standard Size Only

Detachable Cable Options:

- » 64" MMCX Cable (Black or Clear), 3.5mm Gold-Plated Input Connector
- » 50" MMCX In-Line Mic Cable (Black), 3.5mm Gold-Plated Input Connector. Note: Some ILM functions, such as volume control, are not compatible with Android models.
- » MMCX Bluetooth In-Line-Mic Cable (Black)
- » 50" Linum T2 SUPER BaX Cable (Clear), 3.5mm Gold-Plated Input Connector (\$)



Available in Clear Standard Silicone
(Fee for Faceplate colour)
or Acrylic Colours

AFM-3 PRO Audiofuse™ Triple Driver Monitors

Our signature Pro Series Audiofuse™ In-Ear Monitors present a large woofer for enriched and punchy bass and a dual mid/high driver that highlights the mid to high frequencies with precision and clarity. Experience precise sound quality that emphasizes all the distinctions and nuances of your favorite music or performance. Stage performers and audio professionals will experience a rich and vibrant presentation with truly accurate sound signature and monitoring capabilities.

Choose between our flexible and comfortable clear silicone or hard acrylic shells. Both styles are worn over the ear to remain discreet and out of the way. Professional musicians will appreciate the 26 dB of noise isolation allowing for safe studio and stage performance.

Included Features and Accessories:

- » Hypo-Allergenic Medical Grade Silicone or Durable Hard Acrylic
- » 2 x Triple Balanced Armature Drivers (1 Low, Dual Mid/High)
- » 3-Way Passive Crossover Network
- » 50" Linum T2 BaX Detachable Cable with 3.5mm Gold-Plated Input Connector
- » Shirt Clip
- » Deluxe Monitor Case
- » Wax Removal Tool
- » Desiccant Disk
- » Ear Lubricant

Specifications:

- » Impedance: 23 Ohms @ 500Hz
- » Sensitivity: 113 dB @ 1mw
- » Frequency Response: 16 Hz to 18kHz
- » Noise Isolation: -26 dB

Sizes:

- » Standard Size Only

Detachable Cable Options:

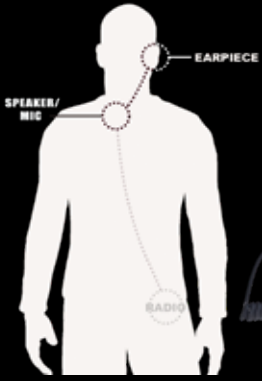
- » 64" MMCX Cable (Black or Clear), 3.5mm Gold-Plated Input Connector
- » 50" MMCX In-Line Mic Cable (Black), 3.5mm Gold-Plated Input Connector. Note: Some ILM functions, such as volume control, are not compatible with Android models.
- » MMCX Bluetooth In-Line-Mic Cable (Black)
- » 50" Linum T2 SUPER BaX Cable (Clear), 3.5mm Gold-Plated Input Connector (\$)



Available in Clear Standard Silicone
(Fee for Faceplate colour)
or Acrylic Colours



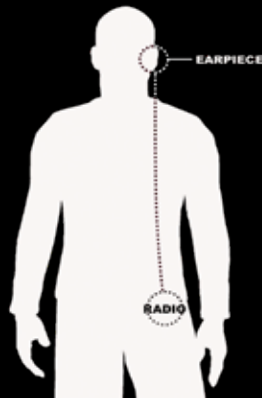
ACCESSORIES



Speaker/Mic Attachment Kit

The Speaker/Mic Attachment Cable is a commercial grade kit that is used by law enforcement agencies, security companies, casinos, and retailers for easy and discreet communication. The wire attaches directly into your shoulder mic with either a 3.5mm or 2.5mm jack. Can be adapted to most speaker microphone brands available. 2-year warranty on electronics.

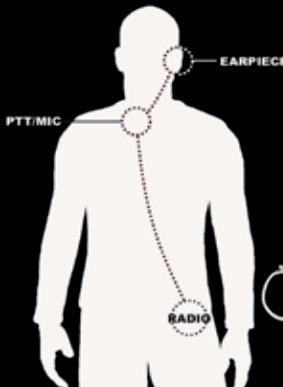
Accessory only; Earmold not included. Includes Acoustic Tubing, Transducer, Cable (9" or 18" to speaker/mic), and Assembly Kit.



Listen Only Radio Attachment Kit

The commercial grade Listen Only Radio Attachment Kit is the ideal solution for monitoring radio communication in a discreet manner. The low profile cable plugs directly into the radio's accessory port and allows the user to operate the radio normally while all communication is heard through the ear piece. Numerous connector combinations available to be adapted to almost any radio brand. 2-year warranty on electronics.

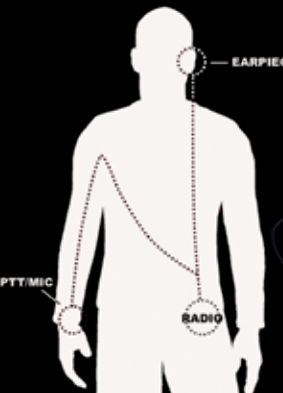
Accessory only; Earmold not included. Includes Acoustic Tubing, Transducer, Cable (radio attachment), and Assembly Kit.



1-Wire PTT (Push-to-talk) Surveillance Kit

The 1-Wire PTT (Push-to-talk) Kit is the ultimate covert solution for the user who demands radio communication at its best. Built to withstand use in demanding environments, this is a full-size PTT system. Numerous connector combinations available can be adapted to most radio brands. Designed to be worn on the exterior of clothing.

Accessory only; Earmold not included. Includes Acoustic Tubing, Transducer, In-Line PTT and Mic, Cable, and Assembly Kit.



2-Wire PTT (Push-to-talk) Surveillance Kit

A top seller within the communication kits, the 2-Wire PTT Surveillance Kit is already in use by thousands of law enforcement officers, casino staff, retail company personnel, and nightclub staff. With heavy duty strain relief, this product is well proven in the field by heavy duty users. Can be adapted to most radio brands available. Designed to be secured underneath clothing.

Accessory only; Earmold not included. Includes Acoustic Tubing, Transducer, 1-Wire to PTT/Mic & 1-Wire to the earpiece, and Assembly Kit.



ACCESSORIES



50" Linum T2 BaX Detachable Cable

The Linum BaX is a true high definition premium in-ear-monitor cable, conveying music with supreme precision, impact, and dynamics. Its stereo imaging capabilities illuminate the further corners of the sound picture featuring punchy bass, smooth voices, clarity in the mids, and transparent highs. The highs and lows have been lifted which significantly improves the dynamic range of the IEM. The ultimately low impedance of 1.5 Ohms allows for an influence on sound impression and a minimized crosstalk. Available in clear. Available in both T2™ and MMCX connectors.



50" Linum T2 SUPER BaX Detachable Cable

Enjoy one of the purest sound experiences one can hear. These cables use the highest quality silver-plated copper litz wiring available making this quad twisted cable tout 168 strands of internal wiring. All of this technology bundled into such a fine cable produces minimal microphonics and an ultra-low impedance of 0.75 Ω . Soft, flexible and a virtually tangle free 50" cable. Extra strength; enduring 120 N (newtons) equaling 26 lbs of pull strength. Available in both T2™ and MMCX connectors.



64" MMCX Detachable Monitor Cable

Durable braided cable design. Features gold-plated MMCX earpiece connectors with lock-snap mechanisms that provide 360° rotation for additional durability and comfort. Over-the-ear design includes slide adjustment and shirt clip to keep the cable in place. Gold-plated 3.5mm right angle stereo jack. Available in Black, and Clear.



50" MMCX In-Line-Microphone Cable

Soft-touch in-line microphone for phone communication and device playback. Push-button controls include answer/end calls, play & pause music, volume & track control, voice command & SIRI and for taking photos. Please note that Android features and functionality are device-dependent. 3.5 mm stereo jack and durable, reinforced 50" cable for interference-free, on-the-go listening. Engineered Shure quality and durability to stand up to the abuse and rigors of daily use.



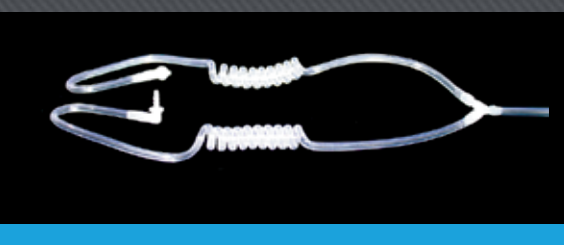
MMCX Bluetooth Cable with In-Line-Microphone

Advanced Bluetooth V 4.2 technology for high fidelity sound supported by AptX Lossless transmission and AAC High Definition audio codec. Built-in microphone and controls for phone calls, volume, and media with sweat and splash proof design. Rechargeable battery provides up to 8 hours of talk/music playback time.



Acoustic Tubing

Worn over-the-ear, the Acoustic Broadcaster Tubing is a listening device that features a thin tube to transmit sound to the ear via an attached earmold or earpiece. Designed to be used in conjunction with 2-Way Radio accessories such as Listen Only, or PTT (Push-to-talk) Systems to allow for hands-free communication.



Y-Branch With Acoustic Tubing

The Y-Branched Acoustic Tubing allows the listener to hear radio communication sounds binaurally (through both ears). Designed to be used in conjunction with 2-Way Radio accessories such as Listen Only, or PTT (Push-to-talk) Systems to allow for hands-free communication.

ACCESSORIES



Removable Nylon Earplug Cord - 27"

Replacement Pop-In Cord for Custom Earplugs. Made from black nylon. Includes Shirt Clip to keep cord secure.



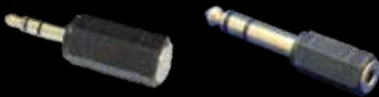
Removable Plastic Earplug Cord - 27"

Replacement Pop-In Cord for Custom Earplugs. Made from clear plastic. Includes Shirt Clip to keep cord secure.



Shirt Clip

The Shirt Clip is designed to be used with Earplug Cords, Earphone Wires, or IEM Cables to keep them secure and out of the way. Can also be used for communication accessories such as the Listen Only or PTT (Push-to-talk) Systems.



Stereo Jack Adapter 2.5mm to 3.5mm, or 1/8" to 1/4"

Converts 2.5mm (female) stereo jack to 1/8" 3.5mm (male) plug. Or converts 1/8" 3.5mm (female) stereo jack to 1/4 6.3mm (male) plug.



Carabiner Clip 2"

For use with the Deluxe Monitor Case. Black.



Zipper Pouch

The soft black Zipper Pouch is a conveniently small and flexible package to store your custom earplugs when space is limited.



Standard Earphone Case

Our black Earphone case includes a soft nylon exterior with a structured interior to keep your custom Earphones safe. Dual zipper closure.



Deluxe Monitor Case

Made from a durable hard plastic, our Deluxe Monitor Case is water resistant, crush proof, and dust proof. These cases are a safe way to store and protect your IEM's. Features an easy open latch, and rubber liner for extra protection that doubles as an o-ring seal. Exterior dimensions: 5.88" x 4.06" x 2.12". Interior dimensions: 4.37" x 2.87" x 1.68". Not for swimming or submerging in water

ACCESSORIES

Earplug and Ear Lubricant - 3 ml



A small convenient container of petroleum jelly to aid in the insertion and removal of custom earplugs, earphones, IEM's, and other earpieces. At a minimum, Ear Lubricant should be used during the 2-week break-in period while adjusting to new custom earmolds.

Wax Pick Cleaning Tool



Tool for the removal of cerumen from earpieces, earphones and IEM's. Features a wax loop.

Class B Sudden Impact Noise Filter - NRR 21



Replacement filters for Class B Earplugs and Adjustable B Earplugs. Can also be added to a vented Communication Earmold, Pilot's Earmold, or Bluetooth Earmold for sound reduction when communication is still required.

Class C Continuous Noise Filter - NRR 15



Replacement filters for Class C Earplugs and Adjustable C Earplugs. Can also be added to a vented Communication Earmold, Pilot's Earmold, or Bluetooth Earmold for some sound reduction when communication is still required.

HearSmart™ Shooting Earplugs Replacement Filters



Replacement Filters for HearSmart™ Shooting Earplugs. The attenuation filter options available are: HS Impulse 15, and 19. Please see HearSmart™ Shooting Earplugs description for attenuation graph.

HearSmart™ Music Earplugs Replacement Filters



Replacement Filters for HearSmart™ Music Earplugs. The attenuation filter options available are: HS Music 12, 17, 19, and 25. Please see HearSmart™ Music Earplugs description for attenuation graph.

ER Musicians Earplugs Replacement Filters



Replacement Filters for ER Musician's Earplugs. The attenuation filter options available: ER-9, ER-15, ER-25. Please see ER Musicians Earplugs description for attenuation graph. Available in clear.

ABOUT EAR IMPRESSIONS

The earmold impressions (EMI's) are the most important factor in providing your customers with the best fitting and most acoustically optimal custom earmolds. Inadequate EMI's can cause discomfort, seal issues, insufficient attenuation for hearing protection, or inferior sound quality for music products.

For true custom-fit earmolds, the EMI's must thoroughly represent the full physical structures of the ears. If an EMI's exhibits questionable features, it is recommended to retake the earmold. HearSmart Solutions Inc. reserves the right to reject earmold impressions that do not exhibit the features necessary to produce a quality custom product.

When our lab has to reject EMI's, the Provider has the option to send us new earmold impressions, or Void the 90-Day Fit Guarantee for the order.

FEATURES OF A GREAT IMPRESSION:

» Canal length past the 2nd bend (over 1 cm)



» Clearly defined helix, concha, and tragus



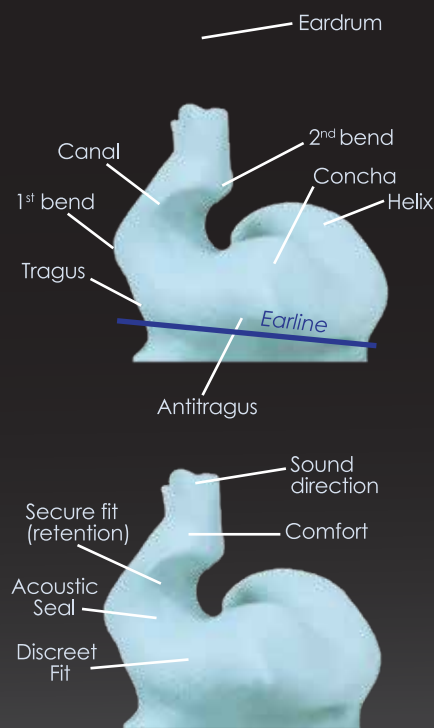
» Smooth and complete



» Impression of full ear



UNDERSTANDING:

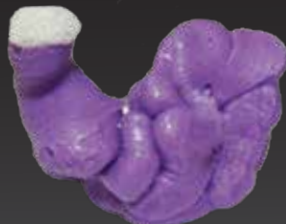


RETAKE IMPRESSIONS IF:

» Canal length under 1 cm » Airpockets, Creases, voids



» Incomplete helix, concha, or tragus

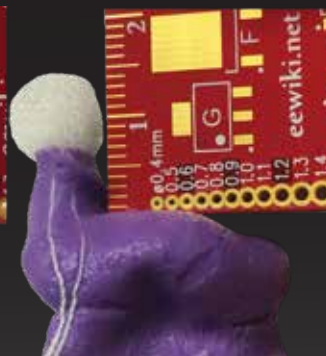


HOW WE MEASURE CANAL LENGTH:

» Sufficient canal length over 1 cm



» Rejected canal length under 1 cm



*When measuring the canal length, place a ruler on the concha bowl of the EMI and measure the length of the inside canal portion only. Do not include the otoblock in the measurement.

WARRANTY GUARANTEE



90-DAY EARMOLD FIT GUARANTEE:

Please allow a 2-week break-in period for ears to adjust to new earmolds prior to having any modifications/remakes due to discomfort. We highly recommend using the ear lubricant provided during the break-in period; this assists with proper and easier insertion, and helps to prevent any discomfort while the ears are adjusting to a new fit.

We will modify or remake an earmold within 90 days if it does not fit correctly, is uncomfortable, if we made a manufacturing error, or if filters need to be switched to a lesser or higher sound reduction. The following are not covered under the 90-Day Fit Guarantee: Style changes (product, size, cord, material, colour changes), lost earmolds, when incorrect information was provided on the order form, orders made from EMI's/Casts/Scans over 5 years old, orders made from rejected EMI's, or fit issues after 90 days.

3-YEAR EARMOLD MANUFACTURER WARRANTY:

We will repair or remake an earmold within 3 years if it breaks, cracks, or splits, due to a manufacturing defect, or material failure. The following are not covered under the 3-Year Earmold Material Warranty: Style changes (product, size, cord, material, colour changes), lost earmolds, fit issues, anchors, filters, drivers, cables, damage resulting from unauthorized repair or modification, misuse, abuse, accident, negligence, or improper operation or maintenance.

2-YEAR ELECTRONICS & RADIO ACCESSORY WARRANTY:

We will repair/replace electronics including drivers or radio accessories within 2 years due to solder defects, component failure, or connector receptacle defect (AFM's). The following are not covered under the 2-Year Electronics Warranty: Custom earmolds, Earphone and Monitor cables, damage from water, moisture, or wax.

***The original product must be sent back in order to be warranted, along with a warranty form. New impressions are required for all remakes, but are not required for modifications. HearSmart Solutions Inc. reserves the right to determine the appropriate adjustment, modification or remake for any warranty item.**

Warranties do not cover damage resulting from unauthorized repair or modification, misuse, abuse, accident, negligence, or improper operation or maintenance. Accessories such as cords, cables, and filters are guaranteed to be in working order at the time of delivery.



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