

# Basic Molded Plugs

Audio Sculpt silicone earplugs are customised to fit your ear with greater comfort, maximum attenuation rating and greater convenience. When made correctly, they provide a reliable "tissue-to-tissue" fit duplicating every crevice and contour of your ear, which allows you to wear these earplugs for extended periods of time without discomfort, irritation or constant removal from the ear for re-insertion.

Made from a medical grade, hypo-allergenic silicone, Audio Sculpt earplugs offer the ultimate in comfort because they are custom shaped to each individual's ears. This eliminates the amount of discomfort usually faced with the common expanding foam earplugs, and the constant hassles of bulky earmuffs. Audio Sculpt's Featherweight® silicone also remains flexible and soft throughout its lifetime giving you several years of consistent use.

By obtaining this ultimate fit, Audio Sculpt's custom molded earplugs achieve the best attainable noise attenuation rating, and provide the maximum in hearing protection for you.



Audio Sculpt's plugs come in 10 different solid colours as you can see above, or you can mix any two of these colours together to make a very stylish striped, swirly two tone plug.

**There is really no limit to what you can use your Audio Sculpt Custom Earplugs for - but here are a few suggestions**

**Shooting** - Great noise attenuation and no interference on the stock from bulky earmuffs

**Sleeping** - So comfortable that you will not even realise you are wearing them

**Swimming** - To stop Aqua Ear, and yes... They float

**Motor Cycling** - To reduce wind noise in the helmet... You may even want to add some stereo wires!!!

**Go Karting** - Because that engine is right next to your head

**Mowing / Power Gardening** - Because earmuffs are sweaty and you can still wear a broad brim hat

**High Noise Industrial** - Convenience, Comfort and no interference with protective headwear

**Water Skiing / Surfing** - Stop Aqua Ear and prevent ear drum trauma in a stack

**Skydiving** - Drowns out the aircraft noise, wind noise and that screaming tourist strapped to your front

**Music Concerts** - Sometimes they crank the volume just a little too high

## Cost:

Standard Plugs     \$ 70

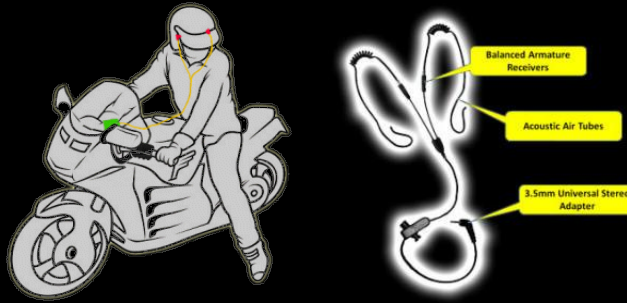
Plugs with keeper cord     \$ 75     Keeper cord allows you to hang the plugs around your neck for convenience

Plugs with Acoustic Filter     \$ 90     Acoustic filters allow low amplitude sound such as voice through. However, they reduce the noise attenuation value from 28Db to approx. 18Db.

Plugs with both     \$ 95



# High End Acoustic Stereo Wires



Audio Sculpts High End Acoustic Stereo Wires are designed to be the ultimate in under helmet music systems. Using the very best in balanced armature speaker technology combined with the outstanding bass delivery performance of Acoustic Air Tubes - these Stereo wires are going to impress even the most discerning audiophiles. The sound is pumped directly into your ear through your custom molded earplugs to complete the most comfortable under helmet music system you ever have or will try.

Have you ever tried wearing iPhone style ear buds under your motorbike helmet???? Me too. First you have to manage to get your helmet on without dislodging them, then you have to turn the volume up really loud to get over the engine noise, then you have to turn them up again to ridiculous and painful levels to overcome the wind noise in your helmet, and finally when your ride is over you have to take several deep breaths to psych up - because removing your helmet just plain hurts.

**When you use any of the Audio Sculpt Stereo wire systems you can expect this;**

1. Perfect placement of the custom plug in your ears with no chance of it moving or dislodging while you don your helmet.
2. A very subdued engine noise requiring a lower volume setting on your music player, but at the same time being able to hear exactly how your bike is performing. It's hard to explain really, you can hear everything you need to and nothing you don't - RPM, Exhaust note, abnormal vibrations, Car horns and Sirens all come through clear as day, but the general road noise and other superfluous unwanted noises associated with riding are just gone.
3. Wind noise in your helmet is a thing of the past, so you don't have to increase your volume at higher speeds and you can enjoy a much more comfortable highway ride.
4. When the day is done, you can just slip your helmet off, pop your earplugs out and feel like you have not been wearing them at all.

Your motorbike is not the only place you can use your stereo wires, the kit also comes with an airline adapter so you can relax and tune out in the air. The Bose QC15's claim to be the best in air travel accessories but I would like to dispute that..... Most over ear headsets like the QC15 use active noise reduction technology to isolate you from the world, and they do it very well for droning noises like the aircraft engine noises, but where they fall apart is when there are infrequent unexpected noises such as a baby crying - that the limitation of the active noise reduction is realised. If the change in pitch and frequency of the noise is faster than the active noise isolator can counteract then you will hear that hellish child clear as a bell all the way from here to L.A. Passive noise reduction, such as that used in the Audio Sculpt earplugs doesn't care about frequency pitch oscillations, it just reduces all noises for your comfort... Plus if you get sleepy you can just turn your head and sleep without the inconvenience of a big plastic cup on the side of your head.

**There is really no limit to what you can use your Audio Sculpt Custom Earplugs for - but here are a few suggestions**

**Motor Cycling - Great sound and lower wind noise all while being perfectly comfortable**

**Mowing - No sweaty earmuffs and great sound to do your chores**

**High Noise Industrial - What makes the work day go faster than listening to tunes?**

**Air Travel - Isolate yourself from engine noise, crying babies, overly talkative neighboring seat, and experience the entertainment system to its fullest potential.**

**Harvesting - Tractors are noisy and paddocks are really big...**

## Cost:

Kit includes: 1 x Set of Custom plugs, 1 x Set of High End Stereo Wires (Fitted), 1 x Airline Adapter, 1 x Hard Carry case.

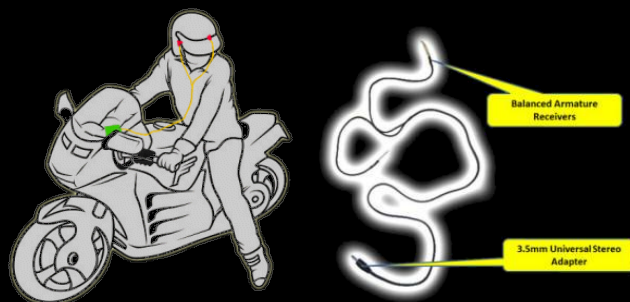
No Volume Control \$ 240

Volume Control \$ 265 Inline volume control independent of the audio source

Price includes set of custom molded ear plugs



# Streamlined Stereo Wires



Audio Sculpts own Streamlined Stereo Wires are designed to be the ultimate in under helmet music systems without the snag hazards of the **High End Acoustic Stereo Wires**. Using the very best in balanced armature speaker technology these Stereo wires deliver sound almost as good as the High End wires without the price tag. The sound is pumped directly into your ear through your custom molded earplugs to complete the most comfortable under helmet music system you ever have or will try.

Have you ever tried wearing iPhone style ear buds under your motorbike helmet???? Me too. First you have to manage to get your helmet on without dislodging them, then you have to turn the volume up really loud to get over the engine noise, then you have to turn them up again to ridiculous and painful levels to overcome the wind noise in your helmet, and finally when your ride is over you have to take several deep breaths to psych up - because removing your helmet just plain hurts.

When you use any of the Audio Sculpt Stereo wire systems you can expect this;

1. Perfect placement of the custom plug in your ears with no chance of it moving or dislodging while you don your helmet.
2. A very subdued engine noise requiring a lower volume setting on your music player, but at the same time being able to hear exactly how your bike is performing. It's hard to explain really, you can hear everything you need to and nothing you don't - RPM, Exhaust note, abnormal vibrations, Car horns and Sirens all come through clear as day, but the general road noise and other superfluous unwanted noises associated with riding are just gone.
3. Wind noise in your helmet is a thing of the past, so you don't have to increase your volume at higher speeds and you can enjoy a much more comfortable highway ride.
4. When the day is done, you can just slip your helmet off, pop your earplugs out and feel like you have not been wearing them at all.

Your motorbike is not the only place you can use your stereo wires, the kit also comes with an airline adapter so you can relax and tune out in the air. The Bose QC15's claim to be the best in air travel accessories but I would like to dispute that..... Most over ear headsets like the QC15 use active noise reduction technology to isolate you from the world, and they do it very well for droning noises like the aircraft engine noises, but where they fall apart is when there are infrequent unexpected noises such as a baby crying - that the limitation of the active noise reduction is realised. If the change in pitch and frequency of the noise is faster than the active noise isolator can counteract then you will hear that hellish child clear as a bell all the way from here to LA. Passive noise reduction, such as that used in the Audio Sculpt earplugs doesn't care about frequency pitch oscillations, it just reduces all noises for your comfort... Plus if you get sleepy you can just turn your head and sleep without the inconvenience of a big plastic cup on the side of your head.

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**Motor Cycling** - Great sound and lower wind noise all while being perfectly comfortable

**Mowing** - No sweaty earmuffs and great sound to do your chores

**High Noise Industrial** - What makes the work day go faster than listening to tunes?

**Air Travel** - Isolate yourself from engine noise, crying babies, overly talkative neighboring seat, and experience the entertainment system to its fullest potential.

**Harvesting** - Tractors are noisy and paddocks are really big...

## Cost:

Kit includes: 1 x Set of Custom plugs, 1 x Set of Streamline Stereo Wires (Fitted), 1 x Airline Adapter, 1 x Hard Carry case.

No Volume Control **\$180** Price includes set of custom molded ear plugs

Audio Sculpt's Streamlined Stereo wires can be constructed from mobile telephone cords with inline microphone's upon special request at no extra cost. However, quality and workmanship of the cords cannot be guaranteed by Audio Sculpt.



# Nano Stereo Wires



Audio Sculpt's own Nano Stereo Wires are designed to take snag free under helmet music systems to the next level without compromising on audio quality. The Nano Stereo Wires are based on the design of CEP's (Communication Ear Piece) used by military helicopter crews to improve the audio performance of the flying helmet. Using the very best in balanced armature speaker technology these Stereo wires are exactly the same as our **Streamlined Stereo Wires**, except for how they plug into a small Mp3 device (such as the iPod Nano) velcroed directly onto the back of your helmet.

Have you ever tried wearing iPhone style ear buds under your motorbike helmet???? Me too. First you have to manage to get your helmet on without dislodging them, then you have to turn the volume up really loud to get over the engine noise, then you have to turn them up again to ridiculous and painful levels to overcome the wind noise in your helmet, and finally when your ride is over you have to take several deep breaths to psych up - because removing your helmet just plain hurts.

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3. Wind noise in your helmet is a thing of the past, so you don't have to increase your volume at higher speeds and you can enjoy a much more comfortable highway ride.
4. When the day is done, you can just slip your helmet off, pop your earplugs out and feel like you have not been wearing them at all.

**These ones are pretty specific to motorbikes - but you may find your own use for them**

**Motor Cycling - Great sound and lower wind noise all while being perfectly comfortable**

## Cost:

Kit includes: 1 x Set of Custom plugs, 1 x Set of Nano Stereo Wires (Fitted), 1 x Hard Carry case.

**No Volume Control \$ 170** Price includes set of custom molded ear plugs



# Inter Vehicular Racing / Commuting Comms



Audio Sculpt's Inter Vehicular Communication system is designed to give you the convenience of clear VOX communications in one neat package. The system combines the noise attenuation of the Custom Molded Earplugs with the background noise elimination of Bone Mic. technology and the security of semi encrypted communications. The result is clear and crisp inter vehicular two way radio communications of up to 20 miles under optimum conditions.

The advanced Neck Bone Microphone is designed with a dual enhanced vibration sensor (Transponder) attached to your neck by an elastic Velcro strap. The enhanced transponder is packaged with soft silicon rubber and provide excellent sound clarity and intensity. It can be placed anyway on your neck and still able to detect bone vibration signal generated from your vocal cord. To determine the optimal position, you can adjust the strap and verify. It is also the first behind the back neck microphone. The sensor will pick up the skin vibration signals generated from your neck bone, therefore the background noises are almost totally eliminated.

- Dual Enhanced Transponders (Vibration Sensor) for better communication and reliability
- Dual Sound System (Acoustic & 3.5mm Sound System)
- Secure Strap Design (Adjustable to Different Neck Size)
- Cancel noise by 90%
- Light weight and handy strap neck microphone for rider / biker / racer.
- Separate sensor and sound system compartment

These Neck Bone Microphones are designed and built for Military use, but are currently at least one generation ahead of what most Western Militaries are using. If you have watched GI Jane, SWAT, Navy Seals or even Pearl Harbor then you have seen outdated versions of these in action.

The Motorola Talkabout radios were chosen for this system to combine the best of Range, Security, Size, Battery Life, VOX Capability and Price.

#### Full-Featured Privacy

The Talkabout EM series has full 22-frequency capacity with 121 privacy codes to reduce interruptions. The Motorola QT (Quiet talk) functionality allows the radios to be set so they can communicate with other compatible Motorola products, adding yet another level of distinction from the other manufacturers.

#### Hands-Free Communication

When you are concentrating on cutting inside the car in front of you at the end of the main straight you really need to keep your hands on the wheel. With iVOX allowing complete hands-free communication, you can keep on attacking without distraction while still talking to your crew.

Battery Life of up to 31 hours (3 AA Alkaline) or 10 hours (NiMH)

#### Four Ways to Charge

Designed to fit every lifestyle, the EM series allows you the convenience of charging four distinct ways. Use the provided desktop charger at home or a mini-USB car cable on your way to the track. Pack a mini-USB wall cable for recharge in the hotel or simply charge from your PC when no power outlet is available using a mini-USB PC cable. (Mini-USB car, wall and PC cables are sold separately.)

## Cost:

Kit includes 2x Neck Bone Microphone's, 2 x Motorola Radio's, 2x Sets of Custom Plugs

Single Acoustic Earpiece    \$ 450

Dual Electronic Earpieces    \$ 650

Add a modified version of the Nano Wires to have your radio comms coming in both ears for even better clarity

Price includes set of custom molded ear plugs



# Track Racing Driver / Pit Crew Comms



Audio Sculpt's Track Racing Driver / Pit Crew Communication system is designed to give you the tactical edge without the price tag of the professional systems. The system combines the noise attenuation of the Custom Molded Earplugs with the background noise elimination of Bone Mic. technology and the security of semi encrypted communications. The result is clear and crisp driver to pit crew two way radio communications of up to 20 miles under optimum conditions.

The advanced Neck Bone Microphone is designed with a dual enhanced vibration sensor (Transponder) attached to your neck by an elastic Velcro strap. The enhanced transponder is packaged with soft silicon rubber and provide excellent sound clarity and intensity. It can be placed anyway on your neck and still able to detect bone vibration signal generated from your vocal cord. To determine the optimal position, you can adjust the strap and verify. It is also the first behind the back neck microphone. The sensor will pick up the skin vibration signals generated from your neck bone, therefore the background noises are almost totally eliminated.

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Battery Life of up to 31 hours (3 AA Alkaline) or 10 hours (NiMH)

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## Cost:

Kit includes 1x Neck Bone Microphone, 2 x Motorola Radio's, 1x Set of Custom Plugs

Single Acoustic Earpiece    \$ 320

Dual Electronic Earpieces    \$ 420

Add a modified version of the Nano Wires to have your radio comms coming in both ears for even better clarity

Price includes set of custom molded ear plugs



# Custom Military CEP's

Audio Sculpt's Custom Molded CEP Tips are designed to retrofit onto your standard issued CEP's in order to provide you with the very best in comfort and noise attenuation. The Audio Sculpt Tip simply replaces the foam tip issued by your ALSE section and with its unique and durable design can be used to fit onto several sets of CEP electronics as they inevitably fail over time.

**When you use the Audio Sculpt Custom Molded CEP Tips you can expect this;**

- Superior Comfort
- Better Noise Attenuation
- Clearer Radio Communications
- Perfect Fit Every Time
- Wash with Soapy Water
- Lasts for many years
- Will never dislodge from your ear during flight
- Never have to retrieve a foam tip from deep inside your ear again



Below are the typical noise levels for US Military Helicopter types with different forms of hearing protection.

	CH-47	UH-60	OH-58	AH-64
Normal Noise Level	112Db	108Db	100Db	104dB
HGU-56/P Only*	87Db	92Db	82Db	81Db
Helmet plus Foam Tip CEP	78Db	71Db	64Db	63Db
<b>Helmet plus Audio Sculpt Tip CEP</b>	<b>57Db</b>	<b>61Db</b>	<b>52Db</b>	<b>51Db</b>

\*Values for AH-64 are for IHADSS Helmet

The benefits of Audio Sculpt's Custom Molded CEP Tips can be felt both immediately and over long duration sorties. Whilst everyone who uses the Tips can immediately appreciate the comfort - Dustoff crews from the 159th CAB based in Kandahar during 2011 commented on how they saved precious time during scrambles by the ease of insertion and the ability to get the perfect fit every time effortlessly. Utility crews appreciate how they don't dislodge from the ear while donning their helmets several times a day and CH-47 crews are relieved when at the end of an 8-10 hour mission they can lay down on their pillow without whincing at the pain. Whatever your role, The Audio Sculpt CEP tips will make a big difference to your personal comfort levels.

The Audio Sculpt Custom Molded CEP's are not only for Military crews. If you use CEP's as a civilian helicopter crewmember then we can help you as well.

**Cost:**

Call for pricing

