



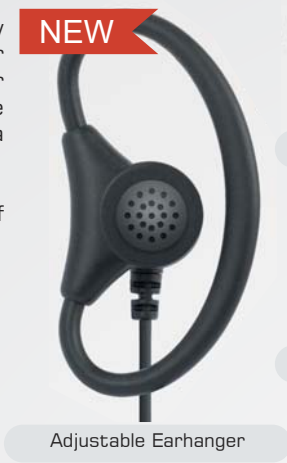
Discrete & Overt Audio Accessories

Receive Earpieces

Options

Simple and cost effective receive only earpieces connected to a radio either directly or via a Remote Speaker Microphone or similar allow discrete monitoring of incoming messages in a number of environments and scenarios.

Multiple designs ensure user choice of style and comfort level.



Personal Hands Free

Options

The addition of an in-line PTT and Microphone module to a Receive Earpiece or Earphones add to the discrete operation of radio equipment and allows it to be operated comfortably whilst secured on a belt or pocket.

High quality microphones are used, optimised for use with radio and providing superb speech quality. A clothing clip is provided to ensure consistent microphone positioning.

In-Line PTT Range of Earpieces





Close Protection Solutions
Discrete & reliable

Transparent Acoustic Tubes

Audio Accessories

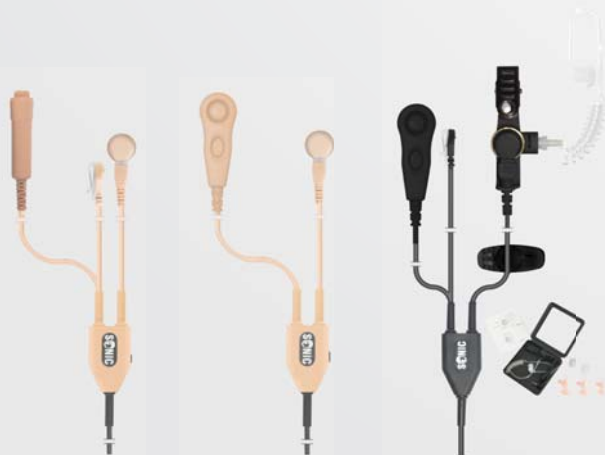
Transparent Acoustic Tube and Earpiece with microphone and PTT options & selection of earpieces is an ideal solution where discrete communications is a must – such as VIP protection or Crowd Control scenarios.

The acoustic tube is supplied with two generic ear tips and 3 different sizes of Left and Right side skeletal ear tips.

Features

- Designed for extended wear in active environments
- Lightweight skeletal frame ear tips for maximum comfort and situational awareness
- Transparent coiled acoustic tube for maximum flexibility
- Sound transducer with collar clip
- In-line Mic/PTT OR Tie Clip microphone with "down the sleeve" PTT options
- High quality microphone optimised for discrete use
- Immunity from GSM/TDMA noise by design

VIP Acoustic Tube & PTT with Integrated Mic



3 Wire (PTT & MIC) , 2 Wire (PTT & Tone) & available in Black for firearms teams.



VIP Acoustic Tube with Inline PTT/ Mic

Lightweight Headsets

Single & Dual Side

NEW

Sonic's selection of Lightweight Headsets ensure that we can configure the most appropriate solution for a given requirement and scenario. From Ops Room to Public Order duties, when coupled with the correct choice of PTT unit, Sonic have the answer.



Vibration Induced Headset

The vibration induced headset makes use of the latest technologies to ensure crystal clear communications in the noisiest of environments. The Skull Microphone picks up speech vibrations from the skull, whilst the vibration transducers transfer received sounds by vibrating on the cheek bone, just in front of the ear. This lightweight headset can be worn comfortably inside a helmet whilst maintaining complete audible situation awareness by not occluding the ear.



Breeze Headset

A lightweight single sided headset with the simplest of behind the head structure, suitable only for left hand side use, the earpiece is opposed by a simple comfort pad. The noise cancelling microphone is found at the end of a helical coil posable boom.



Viper-2 Headset

The Viper-2 earhook/boom microphone headset provides a lightweight communications accessory for use by the professional radio user. Its unique design provides the clear receive audio quality of the well proven Sonic earhanger, combined with an adjustable boom microphone which can swivel to allow left or right hand side operation.



In-Ear Lightweight Headsets

In-ear Lightweight Headsets make use of comfort ear tips or skeletal ear tips and lightweight boom microphone technologies to present a monaural or binaural headset for use in noisy ops room when an ability to exclude background ambient noise is essential.



Lightweight Operator's Headset

The Lightweight Operator's Headset is available in monaural or binaural formats, incorporating comfort pads and adjustable headbands for whole shift wear.



C.R.O.P.S Headset

The C.R.O.P.s headset mixes a vibration transducer for non-occluding receive message monitoring coupled with a waterproof boom microphone. Optimised for close coupled microphone use this headset is ideal for whispered conversations whilst not detracting from audible situation awareness.

Peltor and Gentex

Communication Headsets



Peltor Tactical also available



Peltor Tactical XP

PELTOR™ Tactical XP is an electronic level dependent headset developed for noisy environments where you need to protect your hearing and at the same time be able to hear surrounding noise, like warning signals.

Key Features:

- Active volume headset which can amplify ambient noise
- Level dependent function lets the user hear surrounding noise and converse with colleagues
- Ghost voice guided menu system
- Last setting is stored when switched off
- Automatic shut-off after two hours if no function is used
- Warning signal when power is low, before shut-off



Peltor Comtac XPI

Specifically designed for military personnel to help two-way radio communication in noisy environments. This product is compatible with other military gear like helmets and protective vests. It is designed to be worn comfortably under a helmet and at the same time protect effectively against harmful noise levels.

Key Features:

- Plug and play, no start up time
- Level dependant function for ambient listening
- Earplug mode (maintains situational awareness when used in combination with earplugs)
- Automatic power off after two hours
- No software loads or outside power required, complete self contained headset with power fail safe
- Tested according to military standards

NEW



Gentex AMP Headset

Every aspect of the AMP Communication Headset is designed not just for superior situational awareness and hearing protection, but for maximum configurability. By working directly with end users, the AMP Communication Headset was built to meet and exceed mission needs.

Key Features:

- The AMP headband has VELCRO® Brand fastening loops to easily detach and reconfigure.
- Ergonomically designed to fit head geometry
- Noise-cancelling boom microphone
- Accessory port allows easy integration with any U-173/U standard plug
- Quick-release download connection
- Restores and enhances "natural hearing" of outside environments

NEW



NFMI Earplugs

The addition of optional wireless NFMI Earplugs provide increased noise reduction, while maintaining clear communications and hear-through audio. These do not need batteries, recharging, or any wired connection. When engaged, the NFMI Earplug will seamlessly integrate, providing unrivalled hearing protection capability.

Key Features:

- Do not need batteries, recharging, or any wired connection
- The kit ships with standard, slim, and large Comply™ foam tips to accommodate a wide variety of users



RELIABLE...
ROBUST...
COMMUNICATIONS

Sonic Lightweight Tactical Headset

Communication Headset



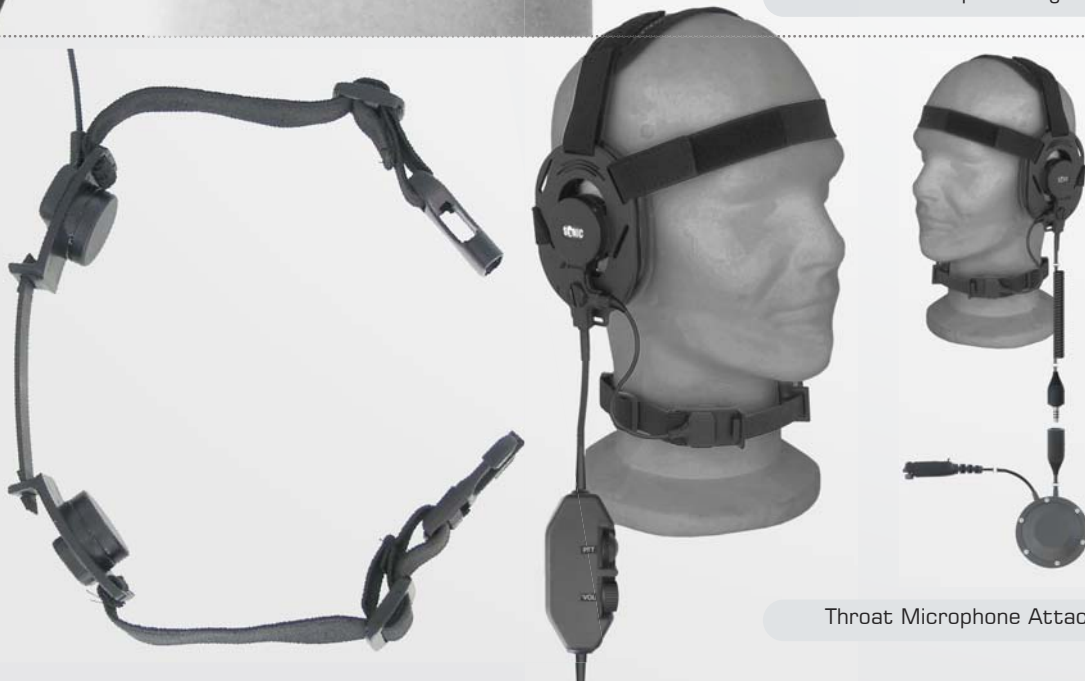
The Sonic Lightweight Tactical Headset is designed to be used in harsh environments and is ideal for Military use.

The headset is integrated with a reversible noise cancelling microphone boom and as such can be worn either left or right hand side.

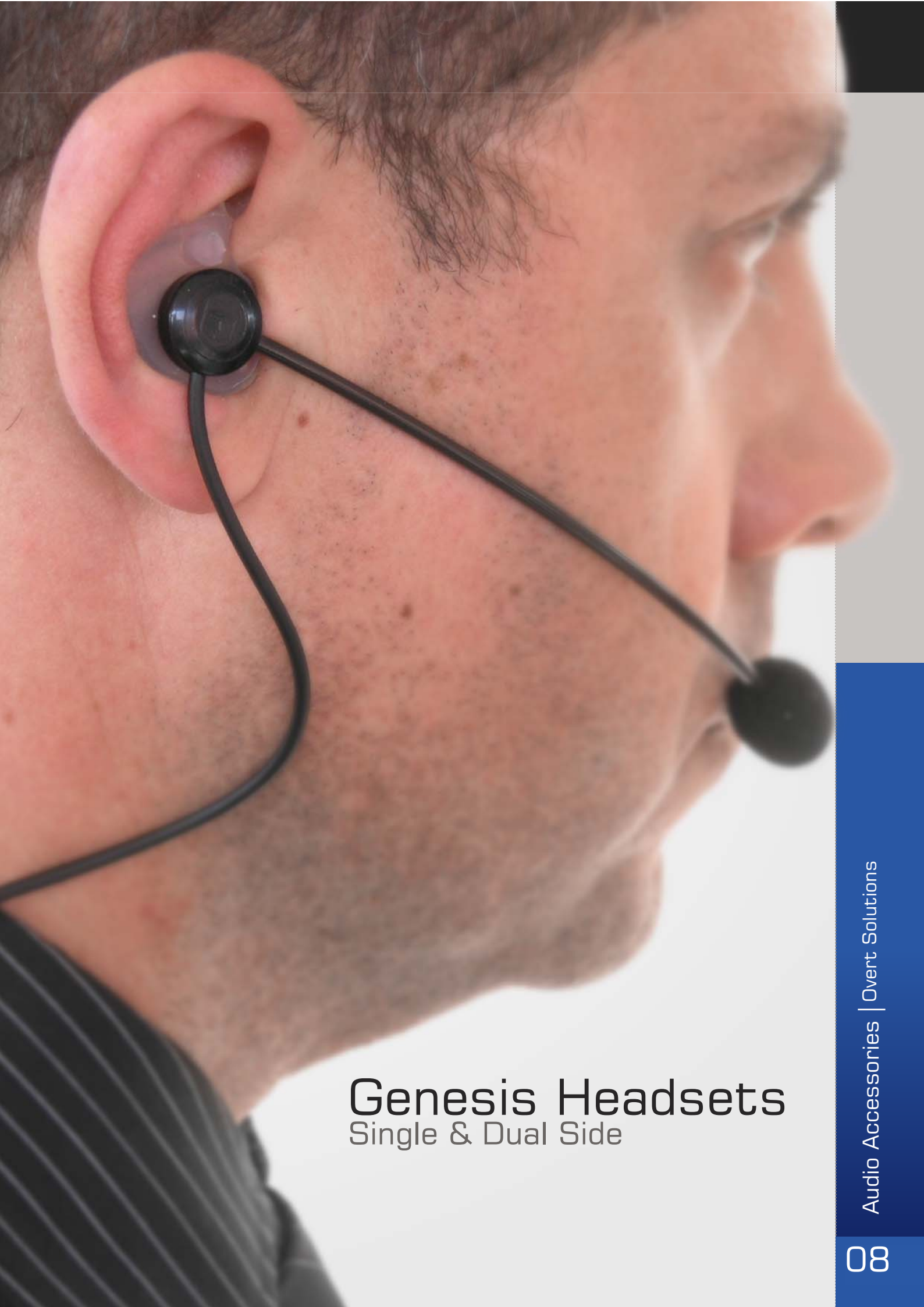
The straps are easily adjustable and the earpiece is designed to allow the flow of air around the ear whilst still maintaining a closed and comfortable fit.



Example fittings



Throat Microphone Attachment



Genesis Headsets

Single & Dual Side

Genesis Headsets

Single & Dual Side



The Genesis-1 headset is designed for use with or without head protection and is suitable for use with public order, ballistic and similar helmets, with either generic or customised Ear Moulds.

Configured for connection to a wide range of HIU, RAT-2 or 50/80mm PTT units to a wide range of radios.



Genesis 2 Headsets

Single & Dual Side

Genesis-2 has been specifically designed for use with motorcycle helmets, which due to their closer fitting to the skull, require a headset with an ultra-low profile, as provide by the Genesis-2 product.

Combined with the use of personal customised Ear Moulds to provide hearing protection from wind and road noise, the system can be provided in either a single or dual receive configuration, complete with quick-release nylon lanyard.

Connectors can be supplied, fitted to the headset assembly, to interface with all types of overt or covert communications installed motorcycles. The ear-microphones in Genesis-2 provide a single transducer, which if worn in conjunction with a customised Ear Mould, provide a combined microphone / earpiece headset suitable for use in low to medium ambient noise levels.



Genesis 4 Headsets

Single & Dual Side

NEW



Genesis 4 Generic Ear Tips & Plugs

Genesis 4 headsets incorporate Ring and Spring securing mechanism to an in-ear mould to combine the robustness of Genesis 1 and the low profile of Genesis 2.

Available in Left ear, Right Ear or Universal format Genesis 4 can be worn beneath all helmet types.

Generic Ear Tips are available in a range of sizes.

NEW



Genesis 4 Custom Earmoulds

The fully occluded Genesis 4 custom earmould and earpiece combination are EN 352-2 certified for deployments where crystal clear communications combined with certified hearing protection are a must.

Headset Interface Units

Headset Interface Units provide maximum operational flexibility for a radio user.

Allowing Headset or earpiece connection to one or two radios alongside remote or wireless PTT capability they remove the radio(s) from the operatives chest and allow it to be secured elsewhere on the body for comfort, security or optimum propagation reasons.

Rugged housings and efficient clothing attachment via clips or Klickfast studs place Headset Interface Units as essential where mission critical flexibility is a must.



Enhanced HIU-2

Designed specifically to aid incident escalation the EHIU-2 incorporates all of the necessary communications functions required for operational flexibility.

It includes an on-board noise cancelling microphone and facility to plug in a simple receive only earpiece as well as local volume control and PTT button. The added ability to connect a noise cancelling hearing protection headset and Wireless PTT compatibility option makes for maximum utility in any situation.

NEW



Nexus HIU

Where a direct connection for a Nexus terminated headset is required the Nexus HIU offers rugged flexibility.

Options available:

- Single radio with volume control
- Dual radio PTTs
- Integral Microphone
- Wireless remote PTT
- Molle compatible clothing clip
- Tones transmission



Nexus Tactical HIU

The Nexus Tactical HIU allows direct connection of Peltor, Gentex or Tactical Headsets whilst adding the ability to connect a second radio.

Alternative headsets can be connected via a latching connection, dual button wireless PTT compatibility ensures operational compliance.



Rugged Dual Radio HIU

A dual radio device with latching headset connection, proven mil spec radio connectors and dual wireless PTT capability allow an operative to monitor Command and Control Communications and local immediate tactical co-ordination nets.



Bluetooth Wireless HIU

Making use of latest BlueTooth techniques and connectivity to TETRA and other radio systems, the Bluetooth Wireless HIU allows full control of a remote radio including large PTT, volume control, microphone mute and whisper mode as well as wireless PTT compatibility.

Speaker Microphones



Bluetooth Remote Speaker Microphone

The BT RSM is designed specifically for law enforcements and security agencies worldwide. The unit houses the latest Dual Mode BT 5.0 Module and is compatible with all radios currently on the market.

The Rugged RSM includes a large, easy find, PTT button as well as a more traditional PTT button on the Right Hand Side.

Loud, loud and clear receive audio is delivered from behind the large button, whilst a noise cancelling microphone make for crystal clear transmissions.

Key Features:

- Specialist headgear connection
 - Motorcycle helmet
 - Firearms headset
 - Public order headset
- Simple receive only earhook or tubed sound system
- Volume control
- Easy find emergency (SOS) button (radio dependent)
- Programmable function button (radio dependent)
- Wireless PTT handlebar and picatinny variants are available providing PTT and Tones as required



Rugged Remote Speaker Microphone

Direct Nexus plug, receive only earpiece connectivity and options for wireless PTT compatibility make a very versatile device. Volume Control and EMERGENCY activation are radio dependant.

Sonic recognises the need for Emergency Responders and specialist users of the ESN network to seamlessly interface with the PTT application of their ESN device, whilst still being able to access the on screen data services.

With this in mind the Bluetooth SPEAKER MIC has been designed to replicate existing techniques and practices, interconnecting specialist Headgear and PTT devices whilst leaving the ESN device available for In-Hand use. Emergency button is maintained in a familiar place, and Volume Control is available from the rugged weatherproof device.

Key Features:

- Specialist headgear connection
 - Motorcycle helmet
 - Firearms headset
 - Public order headset
- Simple receive only earhook or tubed sound system
- Volume control
- Easy find emergency (SOS) button
- Programmable function buttons
- Programming USB port as well as charging
- Wireless PTT – handlebar and picatinny variants are available

Push to Talk

Range of Accessories



Torpedo PTT

Flesh/Black coloured PTT. Best suited for covert use and ideal for use with Delta Vests.



Velcro Strap Ring PTT

This Ring PTT is a one size fits all, it is light, comfortable and is generally used around the finger of hand.



Two Button PTT

Slimline design and has a high quality Knowles Microphone integrated. Includes stainless steel clip for clothing.



Ring PTT

Best suited as part of a discreet communications kit.



Pocket PTT

A discreet but tactile PTT switch suitable for use in pocket or other applications that require a low profile PTT option.



80mm PTT

This 80mm PTT is a belt mounted push to transmit switch with a rugged belt clip with a 4 pole jack socket.



50mm PTT

This 50mm PTT is ideal for those wearing gloves and gives the operator the confidence of positive feedback.



Velcro Strap Tactical PTT

Ruggedized PTT with velcro strap which fits around the palm of the hand for a sure grip.

Wireless Push to Talk

RANGE OF ACCESSORIES

Wireless PTT units are available in as many formats as there are requirements, whether for attachment to Motorcycle Handlebars or Weapons or used as a discrete PTT and volume control device, Wireless Push to Talks widen deployment opportunities and enhance operational effectiveness.



Wireless Picatinny



Handlebar PTT



BMW Keyfob



VW Keyfob



Wireless Keyfob



Tactical PTT

S-TAG Sonic Tactical Audio Gateway

NEW



The Sonic Tactical Audio Gateway (S-TAG) has been designed to fulfil a gap in the market for a reliable, versatile and cost effective solution, to allow the connection and gateway function between a wide range of communications devices, mobile, portable and fixed and to be agnostic to the frequency, modulation or encryption methods employed by such equipment's.

Setting up and operation is designed to be simple and once configured, does not require the use of a PC or specialised knowledge of IP or radio theory to control it and full training and information is available on how to configure S-TAG and how to set up an effective voice bridge.

S-TAG allows the connection of disparate communications systems to provide interoperability between organisations in any scenario where combined operations are necessary, but different communications systems are being used and is compatible with all commercial PMR, TETRA, DMR, P25, Satellite (PTT) devices and Military radios.

S-TAG can interface between 3 communications devices, 2x HF, VHF, UHF radios or BLoS satellite PTT terminals, in any combination and any PTT over Cellular (PoC)/VoLTE solution running on a standard SmartPhone, such as Wave, Zello or any other suitable application that allows a remote audio accessory connection via its 3.5mm earpiece socket. Connection to SmartPhones can also be offered via USB (for compatible devices) or by Bluetooth, if a wireless connection to the SmartPhone is required.

S-TAG provides a USB charge output for the SmartPhone to ensure its battery remains charged and power for S-TAG can be provided either from the

connected devices or a separate DC supply. No additional license or costs are required to allow the use of all 3 ports.

Each connected device can be selected to participate in the "Gateway" connection, or de-selected during an operation as required, using the individual Net selection buttons on S-TAG, with an overall gateway On/Off switch, to quickly enable or disable the gateway function if required.

A local engineering audio device, such as a fist microphone, handset or headset with PTT can be connected to S-TAG, to allow an operator to monitor and transmit out on selected Nets, which can be configured as required using the individual front panel Net selection buttons.

Connecting cables are available for a wide range of communication devices, with any level adjustments or other device specific requirements being carried out using the supplied PC software connected to the gateway via its USB socket, which is also used to carry out any future firmware updates.

Various additional packaged solutions are also available, including the integration of S-TAG into mobile radio transportable stations, backpacks, fixed stations and also to integrate S-TAG into overt or covert vehicle installations, providing a mobile gateway to link a team operating on their closed radio Net, to another team, or to a remote Ops room over a VoLTE or Satellite system such as Iridium PTT and allow them to monitor only or participate as required. For such installations, S-TAG also provides a wired remote-control unit, allowing all the functions available on the gateway front panel to be made available at the front of the vehicle, with the S-TAG and associated radio equipment, located at the rear of the vehicle.

Transportable Radio Station

Transportable Radio Stations provide a flexible opportunity to deploy mobile terminals where a handheld device doesn't meet the operational need.

Several variants are available, the choice of which is driven by requirement:

- Suitable for MOTOTRBO, MBITR, Harris & Others
- Ideal for Base Station or Vehicle Use
- Covert Vehicle Installation Kit available
- Suitable for Rucksack or Shoulder Bag Carriage
- Customised options available

A multitude of power options available:

- 12v @22A/h Lithium Polymer Battery Pack
- 2x 12v @ 8A/h Battery Pack Option
- Cigarette Lighter/USB 5v Output Socket
- External DC Power/Trickle Charge Input
- UPS Handover, Ext DC/Internal Battery
- External Mains Fast Charger



Radio Transportable

Sonic Communications (Int) Ltd can design a Transportable solution around your particular operational requirement and work with you to ensure all deployment opportunities are exploited.



Ruck Sack Radio Transportable

A transportable solution designed specifically for concealed deployment in a 30ltr rucksack gives opportunity to deploy rapidly and discretely into any situation.



Radio Transportable

If you have a ready supply of disposable or other batteries, Sonic can design the transportable solution to make use of them. Whether Mobile or Hand Held terminals are required, dual battery systems give rise to a hot swappable power supply to maintain that operationally vital link.



Radio Transportable Station

Transportable Station is designed for Emergency Responders that need to quickly establish an ad-hoc Ops Room at the scene of an incident. Specifically selected battery chemistry ensures that the Transportable Station is ready at a moments notice. Two operators positions, a local intercom and remote control head capability ensure efficient command and control in the most testing of environments.



S-Tag Transportable Gateway

The S-Tag Transportable Gateway provides a rapidly deployable gateway between an ANDROID based PoC application and a chosen handheld radio. Whether to provide global reach to a local radio network, or off net fall back, the S-Tag Transportable Gateway includes a swappable battery and the means for local operation.

Salamander FV

Intra-Vehicle Communications System for Fighting Vehicles

The Salamander FV Intercom system is designed with simplicity and clarity in mind. Allowing up to 4 operators to communicate hands-free intra-vehicle, the system also distributes received audio from up to two connected radios to all users, and a loudspeaker for wider crew situational awareness.

Integrated digital volume control allows the operator to select a comfortable receive audio level, whilst a dual button in-line PTT module integrated with the headset allows transmission on either installed radios from all crew positions.

Suitable for installation into Protected Mobility Vehicles and High Mobility Weapons Platforms, Salamander FV enhances crew situational awareness and cohesion.



Salamander FV Master Interface Unit

- Military amphenol connectors:
- Up to 4 Salamander FV slave units
- 1 Salamander FV loudspeaker
- 2 connected radios
- 12/24 V dc input
- Includes loudspeaker volume control
- Radio Tx LED indication
- IP65



Salamander FV Loudspeaker

- High power weather-proof speaker with high audio clarity
- IP65



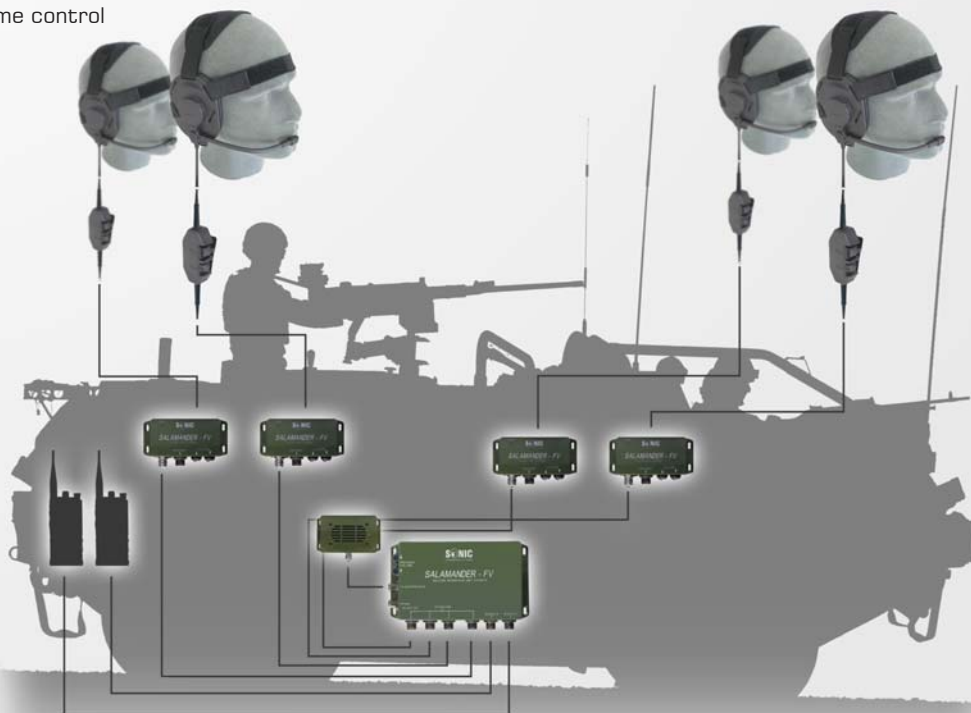
Salamander FV Slave Unit

- Military amphenol connected single headset
- Digital volume control
- IP65



Salamander FV Tactical Headset

- Single sided tactical headset
- Adjustable headband
- Quick change between left & right side use
- In-Line dual PTT
- High quality waterproof noise cancelling microphone on a boom microphone
- Waterproof comms quality 150 Ohm speaker
- IP67



Helmet Installations



Integrated communications headsets for both overt and covert motorcycle helmets can be supplied, for use along with motorcycles fitted with analogue or digital radio installations.

A wide range of "approved" helmets are available from the major manufacturers, all in full compliance with both BS6658 and EN22.05.

Approved list for Sonic Communications helmet installations typical include major manufacturers such as Arai, Nolan, Schuberth and Shoei.



Overt Motorcycle Installations

Sonic Communications continues to build on substantial expertise in designing reliable and safe communications installation systems for all manner of motorcycles. Integrated control of PWE and Communications equipment, alongside Video evidence gathering camera systems and "bike down" alert systems make the deployed motorcycle a capable and safe mobile asset.



Overt Motorcycle Installations

Paramedic



Overt Motorcycle Installations

Paramedic



Overt Vehicle Installations

Police



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