

Compact Talk-Back Submarine Loudspeaker & Microphone

Watertight, Shockproof, Pressure-Tight

The Vitavox watertight, pressure-tight loudspeaker and talk-back microphone is a cone type unit designed for use in external positions on submarines including the bridge and dive chamber areas.

Installed on the Royal Navy Astute class of submarine

- Used as both a loudspeaker and a microphone
- Maximum power output 5W (peak 20W)
- X-rayed to ensure casting composition and integrity
- Pressure-tight chamber formed by a body casting of high tensile naval bronze (Nickel Aluminium Bronze NES 747 Pt2)
- Tested to maximum shock testing limits possible by QinetiQ at Rosyth
- Mounting via a vertical support or bulkhead to ensure efficient drainage of the speaker cone
- Secured to bulkhead by 6 x M10 or 3/8" studs



- Effective form, fit and function replacement for the 5965-00-583-4106 Permanent Magnet Loudspeaker (NH200, C6518, LS450/B, LS450B, 815-1853087)
 - Twice the output volume
 - More ruggedised construction
 - No terminals exposed to sea water (corrosion free)
 - NOT subject to ITAR restrictions
 - Full UK design and manufacture

Compact Talk-Back Submarine Loudspeaker & Microphone

Product:	Compact Talk-Back Submarine Loudspeaker
NSN:	5965-99-553-4267
Part Number:	VQ79604
Ingress Protection:	IP68
Wattage	5 Watt continuous (20 Watt peak)
Input Signal Voltage:	9V rms.
Weight:	17.59kg
Dimensions:	7.5" dia. x 6.5" (18cm dia x 16.5cm)
Main Construction Material:	Nickel Aluminium Bronze, grey finish, NES747 Pt2
Environmental Spec:	Full IP68, Watertight beyond MIL-STD 810
Shock tested to:	Submarine Bridge Requirement
Individually pressure tested:	69 Bar, 1000psi, 2300ft or 703m water

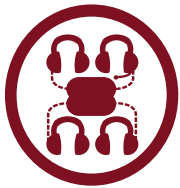


Military Communication Systems



Military PA Systems

Vitavox has designed and developed the Outacom™ PA system for operational use on all armoured vehicles. Consisting of two Compact Broadcast Loudspeakers, a sound amplifier module and a B90 noise-cancelling microphone, Vitavox will deliver these systems to the GDUK Specialist Vehicle Programme. Vitavox believe that 'Shout before you shoot' should be required military doctrine and mounted as standard on all types of military vehicles in order to reduce risk, escalation of violence and collateral damage to both operational and civilian personnel.



Intercom Systems

Vitavox provide a software defined, sophisticated, reliable technical solution for tactical communication systems inside and outside all military, paramilitary and light strike armoured vehicles. The Vitavic 400 military intercom system can also be used by battle tanks and users who have, or wish to have, a number of tactical headset and CNR providers.



Loudspeakers

Vitavox provide a range of military loudspeakers and loud hailers which can be used in both naval and land arenas. The naval loudspeakers are pressure proof, waterproof and shock proof to military standards and can be used above and below deck as external submarine loudspeakers for intercoms or main broadcast speakers. The army loudspeakers can be externally mounted to AFVs to provide a safe method of communicating with civilians or identified threats.



Handsets and Microphones

The Vitavox range of military microphones and handsets have applications in both land and naval arenas. The military handsets come in ATEX approved, explosion proof and waterproof versions for use on land and at sea and come with optional active noise reduction technology. The emergency handsets provide a direct wired, point-to-point communications system which can be used as an alternative to the main broadcast system.



Headset and Headphones

Vitavox have a range of military headsets and headphones suitable for land and naval operations. These include magnetic loop (mag loop) and UHF receive only headsets specifically designed for submarines and high noise, below deck environments. Vitavox headphones feature passive noise reduction and act as ear protectors as well as critical communications channels.



Bespoke Communications Systems

Vitavox have a strong design and development team based in the UK and provide a series of post design services for military and commercial customers. This includes adaptation of existing Vitavox components and equipment into bespoke systems as per the customer's requirements. It also includes form, fit and function replacement of existing loudspeakers & microphones that have been proven to be 'not fit for role'.

VITAVOX

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