

UHF Hearing Protection (receive only) Headset

VQ90401

Vitavox have designed and manufactured the VQ90401 UHF headset as a naval main broadcast magnetic loop system replacement.

These are used on the Royal Navy Astute class of submarine.

- Greater clarity and less noise interference than magnetic loop
- Comfortable, passive attenuation
- Protection from sound levels above 87dB(A)
- Typical attenuation @1,000Hz reduction of 30 dB(A)
- Operates at 864.5MHz to satisfy the exacting EMC requirements
- Fully integrated with standard issue MK7 cloth flight deck helmet
- Standard twin AA batteries
- Standby mode lasting up to 120 hours



- Up to 60 hours receiving transmitted signal
- Manufactured from highest grade ABS noise attenuating plastic
- On/Off, out of range & low battery audio and visual warnings
- Magnetic loop compatible, receive only version is also available and may be easily upgraded in the future to UHF if and when required
- Requires UHF transmitter

VQ90401 UHF Receive Only Headset

Product:	UHF Receive Only Headset
NSN:	5965-99-894-1629
Attenuation:	Passive attenuation, -30 dB(A) at 1 kHz
Headband Adjustment:	250mm (450mm to 700mm)
Operating Frequency:	UHF Band E, 864.5 MHz
Frequency Response:	100 Hz to 12 kHz
Power Supply:	2 x Standard AA Batteries (weight 75g)
Battery Life:	a. >120 hours on standby with 5% audio output b. >60 hour continuous audio receive and output at maximum level c. Additional 4-6 hours after low battery warning
RX Sensitivity:	Will receive signals < 2.5uV @52dBA
Dynamic Operating Current:	45mA
Warnings:	Audio and visual when; - Out of range - Loss of main broadcast transmitted signal - Low battery power
Range:	75m (line of sight)
Dimensions:	Product: 130 x 120 x 100 mm Packaged: 155 x 135 x 107 mm
Weight:	450g (without batteries)

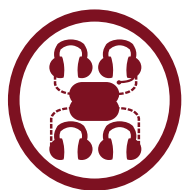


Military Communication Systems



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 hailer 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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