

## EAR BONE MICROPHONES

- Transmit and receive in your ear, good in noisy environments
- Wearable with SCBA
- Polyurethane sheathing
- Kevlar reinforced cabling
- Available with black or beige earpieces
- Various PTTs available including wireless PTT
- Quick-disconnects available
- Customizable – see Custom Builds



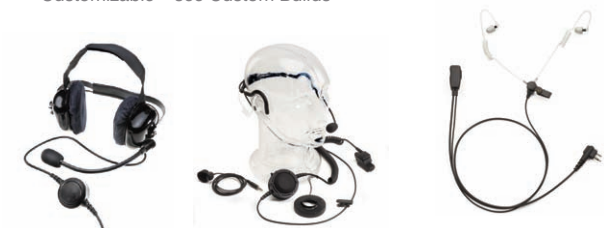
## LIGHTWEIGHT HEADSETS

- Polyurethane sheathing
- Kevlar reinforced cabling
- Over-the-head and behind-the-head versions
- Dual or single muff versions
- Available with or without noise cancelling microphones
- Submersible versions available
- Various PTTs available including wireless PTT
- Quick-disconnects available
- Customizable – see Custom Builds



## HIGH NOISE HEADSETS

- Polyurethane sheathing
- Kevlar reinforced cabling
- Noise cancelling microphones
- Over-the-head and behind-the-head versions
- Circum-aural and inner-aural designs
- Customizable – see Custom Builds



## CUSTOM EAR MOLDS

- Compatible with Xacore acoustic tubes on surveillance kits and high noise headsets
- Enhanced comfort
- Better airtight seal – increased NRR
- More secure in the ear
- Reduce the occlusion effect



## NOISE ATTENUATION PLUGS

- Xacore use best of breed plugs to ensure highest certified NRR
- Up to 29dB NRR (reusable or disposable)
- Compatible with Xacore's surveillance kits
- Compatible with Xacore's in-ear headsets



## PUSH-TO-TALKS (PTTs)

- Body PTTs
- Tactical PTTs
- Wireless PTTs
- Barrel PTTs
- Sniper PTTs
- With or without tactile feedback
- Customizable – see Custom Builds



## ADAPTORS

- Multipin-Hirose™
- Multipin to simple pin converters
- Customizable – see Custom Builds



## REPLACEMENT PARTS

- Parts for headsets
- Parts for speaker mics
- Parts for surveillance accessories



## BATTERIES

- Sanyo cells
- Electro-sonic welds



## CUSTOM BUILDS

Un-tethered access to our in-house engineering staff will yield the results you want.

Xacore specializes in custom design from the ground up or modifications to commercially available brand name products. We work with Original Equipment Manufacturers ("OEM") to develop products that work within their existing products or brand new products to meet a new market need.

We pride ourselves on hyper fast turn-around times, just ask some of our customers. Call us today and let's get the ball rolling.

## TESTING & CERTIFICATIONS

Xacore tests its product by accredited third-party laboratories for users that require certified environmental, electrical and mechanical standards.

- Environmental Engineering Considerations (MIL-STD-810F)
- Design Criteria Standard Human Engineering (MIL-STD-1472F)
- System Safety (MIL-STD-882D)
- Electro Static Discharge ("ESD") Immunity Testing
- Electromagnetic Interference ("EMI") Testing (MIL-STD-461E)
- Ingress Protection ("IP") Testing
- Cable Stretch Cycle Exposure Testing
- Cable Pull Strength Testing
- Restriction of Hazardous Substances Directive ("RoHS") Testing

## RADIO INTERFACES

Call us if you don't see your radio brand.

- |                |                    |                    |
|----------------|--------------------|--------------------|
| • Bendix King  | • M/A Com          | • Simoco           |
| • Cobra        | • Maxon            | • Tait             |
| • Codan        | • Maxon            | • Tekk             |
| • E.F. Johnson | • Midland          | • Tetra            |
| • Gentex       | • Motorola         | • Thales           |
| • Harris       | • Nokia            | • Vertex/Standard/ |
| • HYT          | • Ritron           | Yaesu              |
| • Icom         | • Sanmina (TOCNET) |                    |
| • Kenwood      | • Sepura           |                    |
| • Kirisun      |                    |                    |

## CONNECTORS

Call us if you don't see your connector brand.

- |            |                  |               |
|------------|------------------|---------------|
| • Amphenol | • Omron          | • Standard K  |
| • Anderson | • Phoenix        | • Sure Seal   |
| • Cinch    | • Pomona         | • Switchcraft |
| • Glenair  | • Positronic     | • Teledyne    |
| • Heico    | • Power Products | • Tyco        |
| • Hosiden  | • Shurter        | • Weidmukker  |
| • ITT      | • Singatron      |               |
| • Nexus    | • Souriau        |               |

# xacore

Professional Grade  
Radio Communication Accessories



Founded in 2003, Xacore's mission is to supply lower-cost high-quality professional grade audio solutions to the LMR market place. As a structured boutique shop, we provide our customers a streamlined experience with direct access to engineering, customer support, logistics and management.

Supported by our in-house engineering staff, Xacore's capabilities reach far into the realm of radio communications engineering. From our commercial off-the-shelf ("COTS") products to our engineered solutions, Xacorians are masters of Gerber files, firmware, printed circuit board ("PCB"), analogue, digital, RF and mechanical design.

**You Dream It, We Engineer It!**

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## SPEAKER MICS

- Tactile feedback PTT
- Noise cancelling Knowles™ microphones (available without noise cancelling)
- Available with in-line body PTT (Fire/Hazmat)
- 2.5mm, 3.5mm or 3.5mm threaded audio jack
- Antenna connector available
- Volume control available
- Emergency button available
- Replaceable rear clip and cable
- IP67 (waterproof)
- MIL-STD-810F
- ESD tested
- Customizable – see Custom Builds



## LISTEN ONLY KITS

- Available with 2.5mm, 3.5mm straight or right angle and 3.5mm threaded, in straight or coil cord versions
- Available with acoustic tube (clear or black), D-shape ear hanger, Earphone hook or earphone. Convertible earpiece kits also available.
- Polyurethane sheathing
- Kevlar reinforced cabling
- Knowles™ microphones
- Replaceable speaker, clothing clip, acoustic tubes, cable
- Available with volume control
- Customizable – see Custom Builds



## IN-EAR HEADSET

- Active Listening/Tactical Hearing/Talk-through/Bionic Ears (Limiting or Compression settings)
- Advanced hybrid electronics
- Dual communications compatible - isolated left and right speaker system
- Fully shielded cabling, mics, speakers & PCB
- Up to 29dB NRR, converts to no noise reduction headset for light urban applications
- IP67 (waterproof)
- Berry Amendment cabling tie cords
- No batteries – very low power draw (<1.0mA)
- Lightweight behind-the-head design
- Gentex™ noise cancelling dynamic or electret boom microphone
- Low profile for stock-to-cheek weld
- Left or right side boom microphone
- Non-custom earplugs (reusable or disposable) or custom ear molds available
- Various PTTs available including wireless PTT
- Quick-disconnects/bail-out cords available
- MIL-STD-810F
- Customizable – see Custom Builds



## HANDSETS

- Replacement for H-138/U, H-189/GR, H-250/U, H-350/U
- Noise-cancelling dynamic microphone element



## TEMPLE TRANSDUCERS

- IP67 (waterproof)
- Kevlar reinforced cabling, Berry Amendment tie cords available
- Left or right mounted boom microphone
- No sound bleeding for covert operations
- Can be used with earplugs
- Gentex™ noise cancelling dynamic or electret boom microphone
- MIL-STD-810F
- Various PTTs available including wireless PTT
- Quick-disconnects available
- Customizable – see Custom Builds



## HELMET COMMUNICATIONS

- Open faced or closed faced models
- 3M™ velcro fasteners
- Polyurethane sheathing
- Kevlar reinforced cabling
- Knowles™ microphones
- Various PTTs available including wireless PTT
- Quick-disconnects available
- Customizable – see Custom Builds



## SURVEILLANCE KITS

- Polyurethane sheathing
- Kevlar reinforced cabling
- Knowles™ microphones
- Hardwired or quick-disconnect versions available
- Black or beige available
- Available with clear acoustic tubes, black tubes or electronic coils
- Dual tube available for sound attenuation/noise reduction
- IP67 (waterproof) available
- Strain tested to US Government requirements
- Replaceable speaker, clothing clip, acoustic tubes, cable
- Compatible with open ear inserts and noise attenuating plugs
- Various PTTs available including wireless PTT
- Quick-disconnects available
- Customizable – see Custom Builds



## WIRELESS PUSH-TO-TALKS (“PTT”)

- 915MHz
- PTT battery life: 100,000 cycles
- Paired one-to-one, can be used in close proximity to one another
- IP67 (waterproof) Finger PTT
- Picatinny rail mounting bracket available
- Various configurations available
- Customizable – see Custom Builds



## WIRELESS SURVEILLANCE KITS

- Digital or Analogue
- Inductive loops or modules
- Concealed holsters available
- Squelch and non-squelched versions
- Up to 100 hours operation
- Compatible with Xacore wireless PTTs and most commercially available surveillance kits



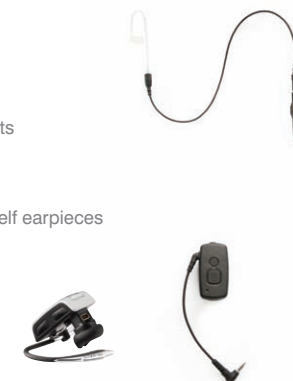
## TACTICAL HEADSETS

- Noise cancelling dynamic or electret microphones
- Kevlar reinforced cabling, Berry Amendment tie cords available
- Various PTTs available including wireless PTT
- Quick-disconnects available
- Military and commercial connectors available
- Customizable – see Custom Builds



## Bluetooth® FOR LMR

- Covert Bluetooth™, no blinking status lights
- Bluetooth V1.2, CLASS 2 (1.0mW)
- Talk-time: 10hrs
- Range: 10m
- Works with Xacore earpieces or off-the-shelf earpieces (V1.2, CLASS 2)
- Customizable – see Custom Builds



## THROAT MICROPHONES

- Available in lash style or band style
- Available with single or dual transducers
- Available with single acoustic tube or dual (can accommodate earplugs)
- Various earpieces available
- Wearable with SCBA
- Polyurethane sheathing
- Kevlar reinforced cabling
- Various PTTs available including wireless PTT
- Quick-disconnects available
- Customizable – see Custom Builds



## SKULL MICROPHONE

- Transmit audio through bone vibration (crown of the head)
- Receive audio through left or right mounted speaker
- Compatible with helmets
- IP 67 (waterproof) body PTT
- Polyurethane sheathing
- Kevlar reinforced cabling
- Customizable – see Custom Builds

