OTTO NoizeBarrier™ TAC

Advanced Communications Headset for Today's Modern Warfighter

OTTO®

Expect Excellence.

OTTO NoizeBarrier™ TAC Communications Headset — The Clear Choice for Tactical Operators

The OTTO NoizeBarrier™ TAC is the industry's first fully modular tactical communications headset featuring crystal clear radio communications, 360˚ advanced situational awareness, and industry-leading hearing protection for mission-critical operation. OTTO has collaborated with tactical operators to design and engineer a headset that meets the demands of today's modern warfighter.

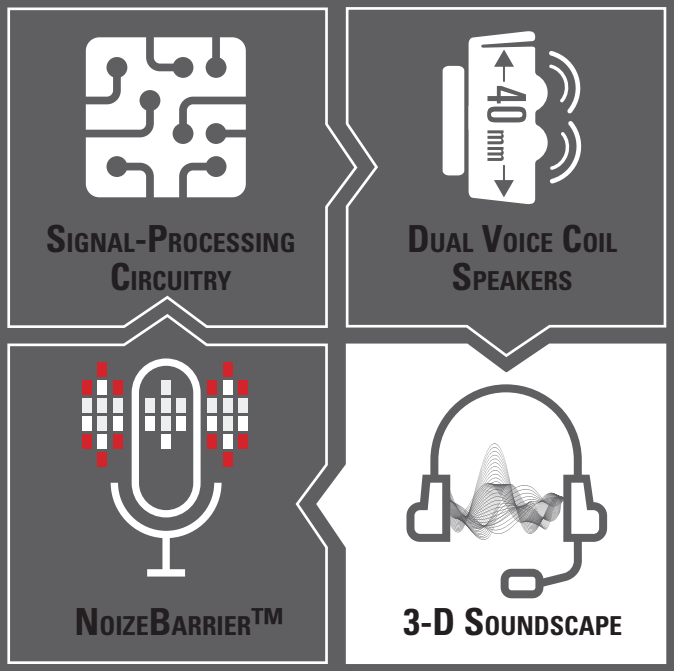
Proud United States Manufacturing Company Since 1961

OTTO NoizeBarrier™ TAC

With OTTO NoizeBarrier™ TAC You Can Hear the Difference

The OTTO NoizeBarrier™ TAC signal-processing circuitry and 40 mm Dual Voice Coil speakers—designed and engineered specifically for combat applications—provide accurate sound reproduction without distortion and with the broadest frequency response available. The result is crystal clear comms and 3-D audio imaging, delivering an unparalleled soundscape experience for maximum safety and combat effectiveness. The OTTO NoizeBarrier™ TAC sound localization microphones with both wind and noise suppression technology transmits verbal communications without noise to enhance mission success.

OTTO NoizeBarrier™ TAC Multiple Advanced Technologies and Audio Imaging Process

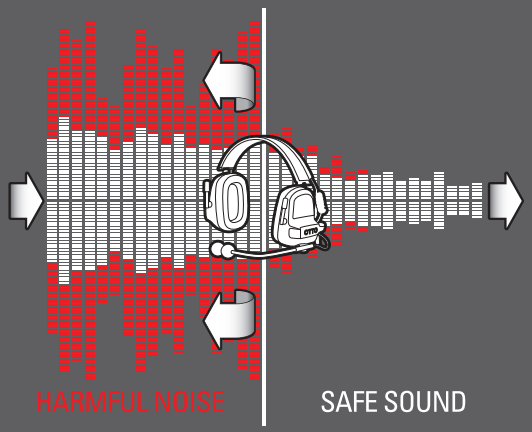


With OTTO NoizeBarrier™ TAC You Can Hear in the Heat of Battle ...

The OTTO NoizeBarrier™ TAC advanced talk-through and noise-reduction technology provides industry-leading hearing protection against impulse noises such as gunshots and explosions while maintaining safe audio levels—normal sounds and conversation can be heard at all times without compromise. Loud noises are reduced to a safe level of 85 dB, and there is no clipping or shut-down of situational awareness when impulse noises are present.

23 dB

Noise Reduction Rating



Talk-Through, 360˚ Awareness Features

- Advanced talk-through electronics for 360˚ situational awareness and comms
- Limits volume to safe level of 85 dB and lowers sound floor without clipping
- Sound localization microphones with built-in wind and noise suppression
- Power Management System:
  - Talk-through powered by two AAA batteries with auxiliary power from radio
  - Talk-through operating time under battery power: up to 75 hours without degradation of sound quality. Can be extended with an extra battery set stored in the rail helmet mount system
  - Fail Safe: works without batteries when used with OTTO Multi-Port Hub
  - Automatic shut down after two hours idle

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OTTO NoizeBarrier™ TAC

... Without Missing Out on Critical Details

A few missing words can mean the difference between success and failure. Compared to competitive products, OTTO NoizeBarrier™ TAC prevents temporary audio dropouts, ensuring crystal clear, continuous radio communications even when loud sounds are present, improving safety and tactical awareness.

Competitor

"Brav.....m engaging enemy, incoming.....le fire. Three approaching.....th.....th, ne.....ackup."

OTTO NoizeBarrier™ TAC

"Bravo team engaging enemy, incoming hostile fire. Three approaching from the south, need backup."

With OTTO NoizeBarrier™ TAC You Can Hear Danger Before it Strikes

The OTTO NoizeBarrier™ TAC advanced situational awareness provides reliable and accurate sound localization, allowing users to detect where the threat is coming from with near certainty. And with its enhanced hearing function it can amplify soft noises by up to four times.

Designed for Comfort—Fully Modular Headset with Flexible Mounting Options and Radio Platform Versatility

Available in a Variety of Colors:

Black

Olive Drab Green

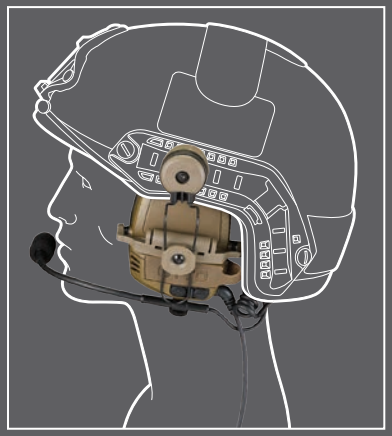
Flat Dark Earth

Modular Design

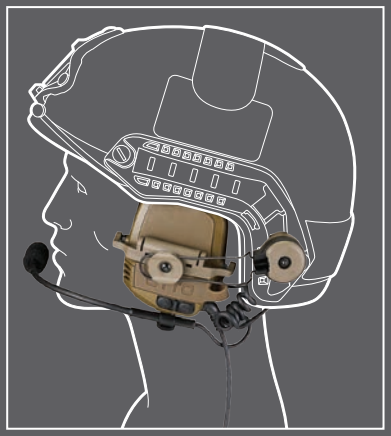
1. Circumaural headset compatible with major helmet systems is foldable for easy storage
   - Low profile headband can easily be worn under most helmet systems
   - Field changeable between headband and optional helmet mount system
2. Ultra-soft proprietary memory foam ear seals by Comply™ provide a secure comfortable seal and significantly reduce noise. Viscoelastic materials that are body heat activated minimize pressure points and eliminate acoustic leaks around head gear, such as eye glasses
   - Ear seals snap in for easy field replacement
   - Multiple ear seal options available for optimal performance and comfort
3. Scalloped front ear cups reduce interference with rifle stock
4. Dynamic or electret boom microphone can be mounted on the left or right side and is telescopic for user to adjust distance from face
5. Modularity through disconnectable radio cables on selected configurations
6. Battery compartment and cover
7. Up/down volume, on/off control for situational awareness mounted on left ear cup
   - Selectable signal separation allows dual-comm users to separate audio into left, right or both ears.

Rail mounting system compatible with Hi-Cut helmets including Ops-Core® and Team Wendy®. Easily converted between headband and helmet rail mount system.

Field Changeable — No Tools Required



Helmet Top-Mounted



Helmet Rear-Mounted

Rail mount system includes battery holder for two extra batteries

Helmet Compatibility

- Team Wendy®
- Ops-Core®
- MICH
- ACH

Team Wendy® and Ops-Core® are registered trademarks of Team Wendy, Inc. and Gentex, Inc. respectively.

Additional Features

- Available for U-94 Push-To-Talk (PTT) or OTTO Multi-Port Hub
- Hardwired or connectorized downleads available
- Supports multiple comms and radio platforms
- Self Contained Breathing Apparatus (SCBA) compatibility
- Immersion rated to 1 meter of water for 31 minutes (IP68)
- MIL-STD-810G compliant
- USA Country of Origin. TAA, BAA, and Berry Amendment compliant

OTTO Multi-Port Hub—Triple-Comm Tactical PTT Unit

In conjunction with the OTTO NoizeBarrier™ TAC headset, the OTTO Multi-Port Hub provides modular control of up to three communications platforms, each with separate Push-To-Talk buttons.

The hub is compatible with major radio platforms using detachable cables for each radio. In addition, the hub offers modular compatibility with vehicular and aircraft intercoms (ICS). Situational awareness can be controlled either via buttons on the headset or volume controls on the hub.

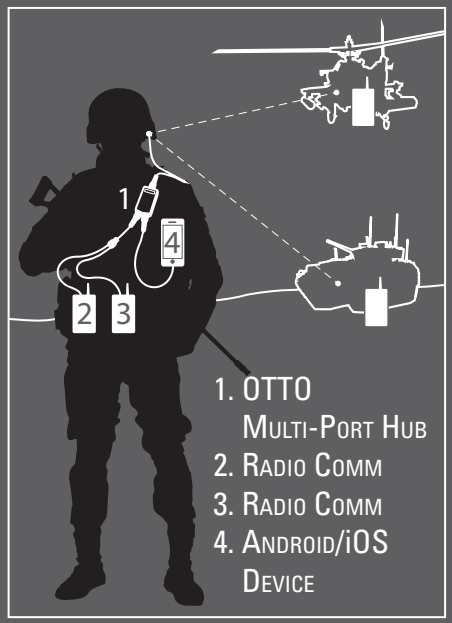
OTTO Multi-Port Hub

Side View

Nexus PTT U-94

OTTO NoizeBarrier™ TAC can be configured to meet a wide variety of comms needs, ranging from single radio and PTT options to multi-channel, multi-radio options controlled by the OTTO Multi-Port Hub. OTTO NoizeBarrier™ TAC connector options include all major radio systems for maximum versatility.

OTTO Multi-Port Hub Features



Fully Modular Tactical PTT Unit — Can Accommodate Multiple Comms Configurations

- Small form factor, lightweight, rugged, machined aluminum construction fits easily onto the soldier's kit
- Versatile — the PTT supports multiple radio platforms and offers a variety of detachable cables
- Ambidextrous left or right hand usability with "positive feel" PTT and situational awareness control buttons even while wearing gloves
- Mission configurable to support up to three simultaneous communications networks with three separate PTT buttons
- User-adjustable situational awareness audio control
- Ambidextrous MOLLE attachment system included
- Compatible with most major radio platforms
- Optional compatibility with both Android and iOS devices
- Volume control +/-12 dB
- No batteries required
- Immersion rated to 1 meter of water for 31 minutes (IP68)
- MIL-STD-810G compliant
- OTTO is ISO9000 and AS9100 certified

FROM THE MANUFACTURING LINE TO THE FRONT LINE, EVERY OTTO PRODUCT IS ENGINEERED WITH EXCELLENCE

Founded in 1961, OTTO Engineering, Inc. designs and manufactures premium quality communications accessories, specializing in mission-critical two-way radio equipment for the military and law enforcement markets.

NoizeBarrier™ H3E Headset with Situational Awareness

20 Meter OTTO Diver Headset

OTTO Connect Wireless Intercom Systems

NoizeBarrier™ Micro High Definition Earpieces

Ranger Lightweight Tactical Headset

Military Speaker Microphones

Immersion Rated Tactical Operator PTT Accessories

Military Radio Handsets

PROUDLY SERVING THE TACTICAL COMMUNICATION NEEDS OF THE U.S. ARMED FORCES AND GOVERNMENT AGENCIES

Military	
Federal Agencies	

OTTO®

Expect Excellence.

WE MAINTAIN THE HIGHEST QUALITY STANDARDS

Dun & Bradstreet #: 00-543-4170	CCR Registered
ISO 9001:2008 Certified	Cage Code: 21649

FOR MORE INFORMATION OR TO OBTAIN PRODUCT SAMPLES AND TECHNICAL DOCUMENTATION PLEASE CONTACT US AT

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