

# OTTO<sup>®</sup>

## Product Catalog



# Quality Above and Beyond the Call of Duty

## When lives depend on performance, you can depend on OTTO.

Every day our mission-critical tactical communication accessories are put to the test by people in the field, many of whom are putting their lives on the line. From hearing protection headsets with full situational awareness to high-performance, noise-canceling speaker microphones, discreet wireless surveillance kits to wireless intercom systems, OTTO builds excellence into every product we design, engineer and manufacture. Proudly Made in the U.S.A., OTTO products are recognized for top performance and reliability by armed forces, law enforcement agencies and public safety agencies worldwide.

## Setting the Standard

From the very start, nearly 60 years ago, OTTO Engineering has been focused on setting the standard for quality and performance in everything we build. The OTTO Communications division launched in the 1990s with a unique opportunity to incorporate an OTTO switch into a high-performance speaker microphone. From that humble beginning, OTTO Communications has grown to supply two-way radio accessories to seven of the eight major two-way radio manufacturers. We are honored to have our products used by military organizations around the world.

## Reliable Beyond Compare

Proudly designed, engineered and manufactured in the U.S.A., OTTO two-way communication accessories are built to exacting specifications to ensure flawless performance in a wide range of demanding environmental conditions. Put your trust in OTTO.

## Rigorous In-House Testing

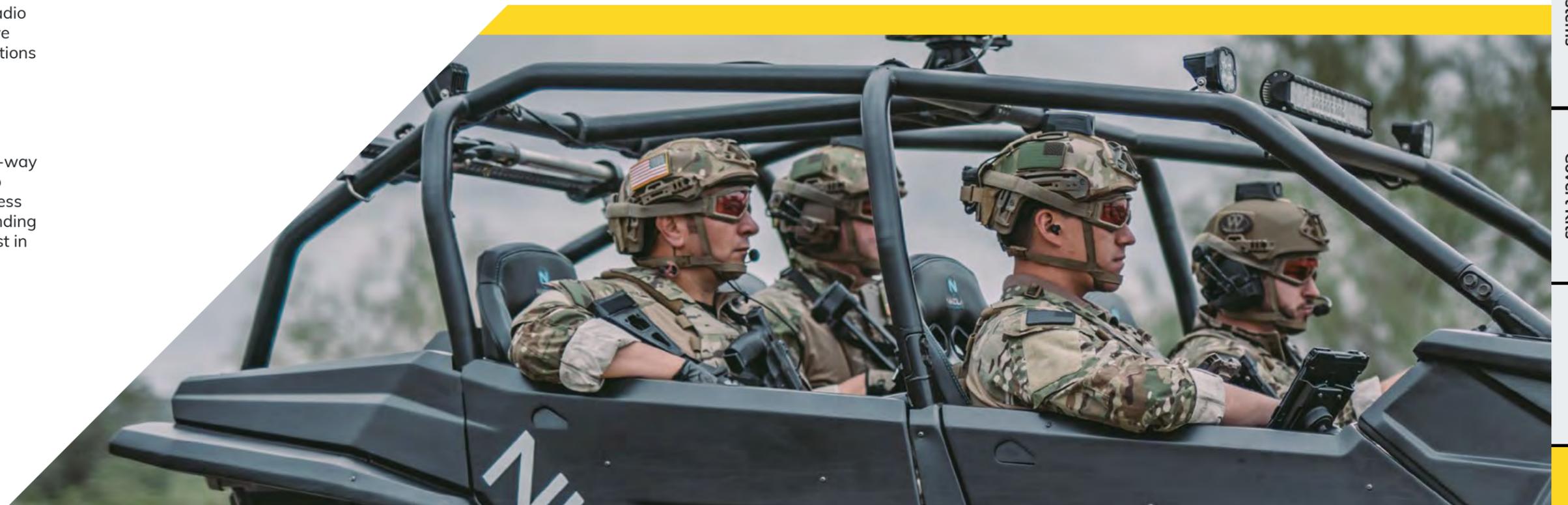
OTTO takes product quality to the next level with our own onsite acoustic performance and product reliability testing labs, in which every product is thoroughly examined under realistic use conditions. Our extensive testing process ensures our customers can trust that our products will provide superior, dependable service in the field. In addition, OTTO has maintained ISO 9001 certification for 22 years, is RoHs and REACH Compliant, IS/ATEX Certified, ITAR and Berry Amendment Compliant.

## Unwavering Attention to Detail

OTTO's in-house engineering team builds quality and functionality into every one of our products. Whether it's the comfort of a headset, the size, design and placement of a push-to-talk button, the tensile strength of a cable connection, or the position of a speaker mic clip, every detail of every one of our products is analyzed and well-thought-out to provide reliable performance over the long haul.

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# Headsets

**OTTO Headsets provide industry-leading sound quality, advanced hearing protection and the tactical performance features needed for superior two-way radio communications.**

Our selection includes over-the-ear, on-the-ear, in-the-ear and electronic earplug styles, all with advanced hearing protection and industry-leading comfort. Each headset style is compatible with a variety of two-way radios.

-  360° Situational Awareness
-  72-hour Battery Life
-  Rechargeable Battery
-  All-Weather Usability
-  Amplification of Soft Sounds
-  Best Performance in High Noise
-  Blast & Impulse Noise Protection
-  Comfortable Ear Seals
-  Comfortable Fit
-  Flexible Boom Microphone
-  IP67 Water Resistant
-  IP68 Water Resistant
-  Lightweight Design
-  Low Profile to Fit Under Helmet
-  Noise-Canceling Microphone
-  Outstanding Durability
-  Quick-Change Cable Connector
-  Secure Fit in Active Environments

# NoizeBarrier™

## The Next Generation in Situational Awareness

### Hear the Difference

Outstanding hearing protection. Advanced situational awareness. NoizeBarrier headsets and earplugs represent the next generation in reliable tactical gear. Proprietary NoizeBarrier situational awareness technology provides an unparalleled, reliable 3D soundscape experience for maximum safety, tactical awareness and combat effectiveness.

Audio clipping is a thing of the past. Our NoizeBarrier technology delivers continuous radio communications at safe levels even when harmful loud and impulse sounds are present.

When you need the best performance in high-stress, tactical situations, NoizeBarrier hearing protection is the way to go.

Comfortable, ultra-soft Comply™ foam ear cushions form a tight seal to significantly block unsafe noise.

Low-profile earcup design will not interfere when shouldering a firearm.

Ambidextrous, noise-canceling boom microphone reduces background noise for clear communications.

360-degree situational awareness microphones built into each ear cup provide accurate sound localization to detect the direction of potential threats with near certainty.

Volume controls adjust sound to five different levels.

## NoizeBarrier™ TAC Headset

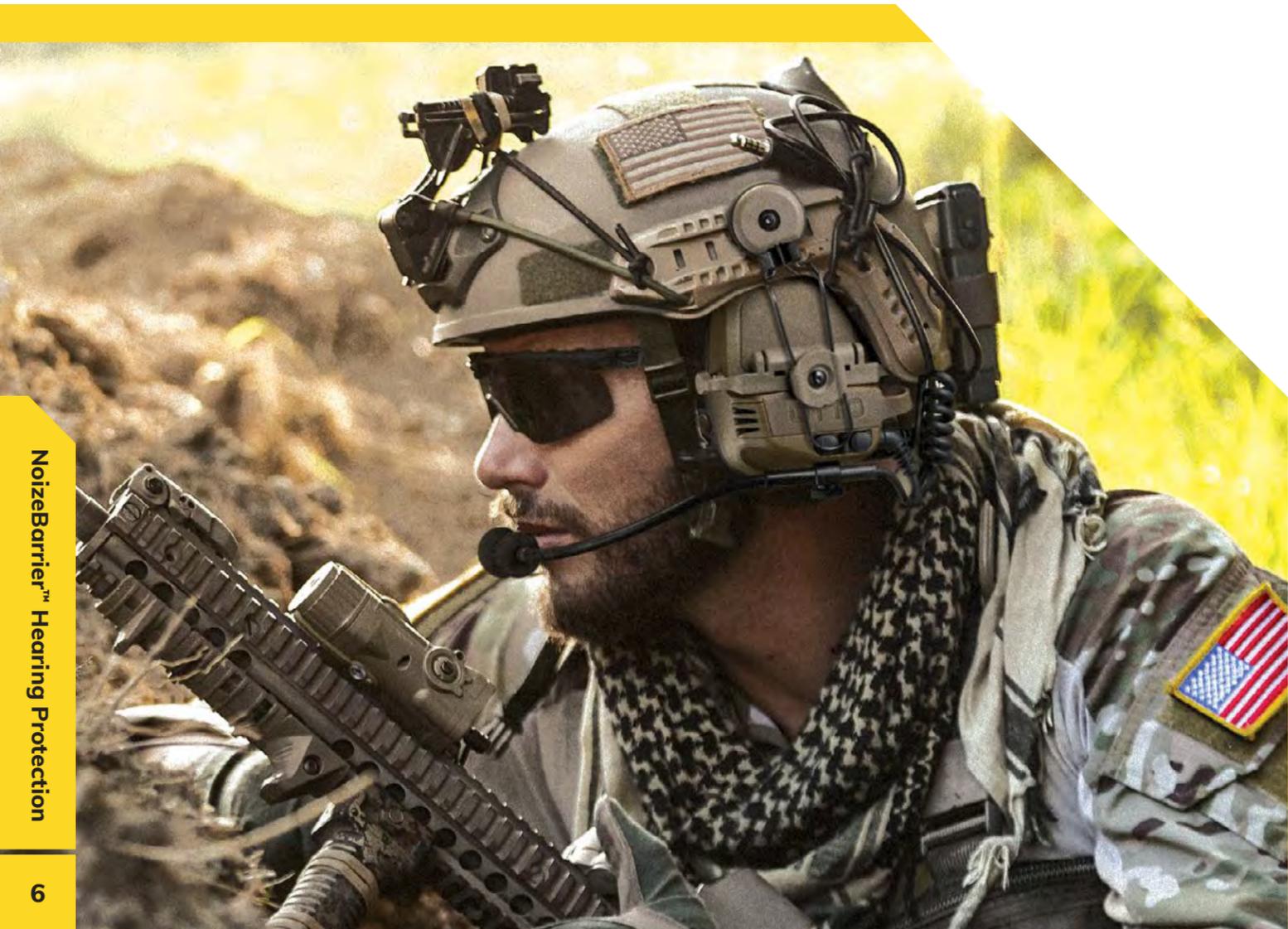


The NoizeBarrier TAC Headset is the choice of warfighters in need of full communication capabilities with maximum hearing protection. Engineered with sophisticated technology, the TAC provides crystal clear communications, superior situational awareness and industry-leading hearing protection for mission-critical operations.

- Dual-coil speakers use proprietary NoizeBarrier technology to automatically adapt loud or impulse sounds to a safe level. Normal-level sounds, nearby conversation and radio communications are easily heard without clipping or shut-down of the situational awareness functionality.
- Offers outstanding hearing protection with a Noise Reduction Rating (NRR) of 23 dB (SNR: 29 dB).



Optional rail-mount kit allows the user to easily convert the headset from over-the-head style to top or rear rail mount in the field without tools. Compatible with major helmet systems including Ops-Core® and Team Wendy®.





Earcup is designed to fit well with safety glasses.

Comfortable, ultra-soft Comply™ foam ear cushions form a tight seal to significantly block unsafe noise.

360-degree situational awareness microphones provide a 3D soundscape.

Volume controls adjust sound to five different levels.

## NoizeBarrier™ Range SA Headset



Train the way you fight. The NoizeBarrier Range SA is the premier headset for firearm professionals who need advanced hearing protection and situational awareness without radio communication capability. Built with the same proprietary technology as the NoizeBarrier TAC, this headset is the right choice for an outdoor/indoor firing range, tactical shoot house, or other applications where hearing protection with superior 360-degree situational awareness is essential.

- Sophisticated technology automatically adapts harmful loud or impulse sounds to a safe level, while situational awareness microphones amplify normal-level sounds and nearby conversation.
- Offers outstanding hearing protection with an NRR of 23 dB (SNR: 29 dB).
- May also be configured to connect to a speaker mic or surveillance kit to receive clear, discreet communications and hearing protection in active tactical situations.



Includes an assortment of earpieces for a perfect fit, USB charging cable, filter replacement tool and extra filters, cleaning tool and lanyard.

Rechargeable case provides up to 20 earplug charge cycles.

Situational awareness microphones built into each earplug provide accurate sound localization to detect the direction of potential threats with near certainty.

LCD screen displays the charging status of the earplugs and case.

## NoizeBarrier™ Micro Earplugs



High-definition, rechargeable, electronic earplugs provide unsurpassed hearing protection and situational awareness. They are ideal for military, law enforcement, hunting and sport shooting applications where radio communications are not needed. Proprietary dual-mode sound processing technology actively responds to the noise level in the surrounding environment by enhancing nearby safe sounds and suppressing unsafe continuous noise and impulse blasts.

- Included foam earplugs provide a passive NRR of 28 dB (SNR: 26); 3-flange earplugs have 23 dB NRR (SNR: 25).
- Standard mode allows natural hearing of all safe sounds, and boosts the hearing protection NRR 15 dB for sustained loud noise.
- Enhanced mode amplifies soft, safe sounds by 5X.
- Both modes provide maximum hearing protection of up to 40 dB NRR for loud impulse noises.

## NoizeBarrier™ Hearing Protection Specifications

Model	NRR	SNR	Battery Life	Immersion rating	MIL-STD-810G Compliant	Warranty
NoizeBarrier TAC	23 dB	29 dB	72 hours	IP68, 1 meter, 31 mins.	✓	1 Year
NoizeBarrier Range SA	23 dB	29 dB	72 hours	IP68, 1 meter, 31 mins.	✓	1 Year
NoizeBarrier Micro	28 dB with foam tips; 23 dB with large 3-flange tips;	26 dB with foam earplugs; 25 dB with standard 3-flange earplugs	Earplugs: 16 hours; Charging Case: 20 charging cycles	N/A	✓	1 Year

# Over-the-Ear Headsets

Get superior sound quality with excellent hearing protection and all-day comfort. Our over-the-ear headsets fit snugly to minimize surrounding noise and allow you to clearly hear essential communications in loud tactical and support environments.



## ClearTrak™ Headset



The ClearTrak Headset provides superior hearing protection with robust communications capabilities for combat and training situations, military flight operations, engine rooms and other environments with loud noise. It offers an NRR of 24 dB and features an ultra-high-efficiency articulated, noise-canceling boom microphone to deliver clear two-way radio communications. Available in over-the-head and behind-the-head styles.

Padded, over-the-head suspension system provides consistent pressure to hold earcups firmly in place for excellent hearing protection.

Soft, foam ear seals are replaceable when needed. Cloth covers are included to absorb sweat when worn all day in warm environments.

Rotating boom mic may be worn on the right or left to fit user preference.



Convenient integrated PTT switch is located on the earcup for easy access, even when wearing gloves.



Behind-the-head suspension system fits snugly to hold earcups firmly in place under a helmet or hard hat.

Flexible, heavy-duty coiled comm connection cord is designed to stay out of the way while providing free range of movement.



## Profile Headset



Designed for excellent hearing protection with all-day comfort, the Profile features an integrated modular pigtail cable to quickly connect to a range of PTT options. Offers an NRR of 21 dB that is ideal for military use in armored vehicles, on flight lines, in engine rooms or around other types of loud machinery.

Super soft, snap-in, replaceable gel foam ear seals are designed for all-day comfort and are easily replaced when needed.

Slim, lightweight sculpted ear cups fit comfortably under a helmet or hard hat.

Sleek, flexible noise-canceling boom microphone with replaceable windscreen can be positioned precisely to communicate clearly.

Quick disconnect modular cable makes it simple to switch from one PTT cable to another to use the same headset with a range of radios.

Requires a separate purchase of a PTT cable to connect to radio.

Behind-the-head suspension system with comfortable, adjustable, over-the-head mesh strap holds earcups firmly in place.

## Classic™ Headset



With an NRR of 24 dB the Classic Headset is ideal for high-noise combat and military support environments with loud machinery or other consistent noise. In-line push-to-talk on the straight connection cord allows greater range of movement. Available in behind-the-head and over-the-head styles.

Behind-the-head suspension system fits snugly to hold earcups firmly in place under a helmet or hard hat.



Padded, over-the-head suspension system provides consistent pressure to hold earcups firmly in place for excellent hearing protection.



Soft, foam ear seals are replaceable when needed. Cloth covers are included to absorb sweat when worn all day in warm environments.

Noise-canceling boom mic.





## Tactical II Headset



The Tactical II has a larger, soft rubber, over-the-ear single speaker for superior acoustic performance. The combination speaker and flexible electret boom microphone fit securely into the mesh and elastic headband.



Washable over-the-head strap and elastic headband provide a secure, comfortable fit.

Larger size ear cup delivers superb audio and blocks out unwanted noise.

Drain hole in the ear cup removes water to equalize pressure when used by a swimmer or diver.

Boom mic has removable and replaceable windscreen to ensure communications clarity.



Washable mesh over-the-head strap and black elastic headband ensure a secure, comfortable fit.

Earcup sits securely in a pouch over the ear for reliable audio and superior communications clarity.

## Tactical III Headset



The Tactical III Headset speaker and flexible electret noise-canceling boom microphone combine into one lightweight unit that slips into a pocket in the headband.

Flexible electret noise-canceling boom microphone can be precisely positioned for ideal communications clarity.

Larger size ear cup delivers superb audio communications and blocks out unwanted noise.

## 20-Meter Diver Headset



The 20 Meter Diver headset is the industry's first product to function flawlessly even after multiple dives to as deep as 20 meters of salt water. It's the right choice for water rescues, UDTs, maritime security operations, underwater repairs and more.

- Withstands full immersion in as much as 20 meters of salt water.
- Specially designed larger, over-the-ear rubber speaker and water-resistant microphone have been tested under extreme conditions to ensure the headset will continue to provide clear communications.
- Speaker fits through the washable mesh and elastic headband for secure fit and comfort.
- Designed to fit under a helmet or cap.

Hard-wired PTT functions at depth but will not self-actuate. It's compatible with multiple radio platforms and ideal for all water-resistant communications needs.



## Over-the-Ear Headset Specifications

Model	PTT	NRR	Mic Sensitivity @94 db SPL	Cable Pull Strength from Earcup Axial	Immersion Rating	Mil-STD-810G Compliant	Warranty
ClearTrak™	Left Earcup	24 dB	-48.5 Typical	40 lbs.	N/A	✓	3 Years
Classic	Inline	24 dB	-37.5 Typical	40 lbs.	N/A	✓	3 Years
Profile	Inline Cable <small>purchased separately</small>	21 dB	-33.5 Typical	40 lbs.	IP68, 1 meter, 31 mins.	✓	3 Years
20-Meter Diver	Ruggedized single-button	N/A	-67.7 Typical	20 lbs.	IP68; 20 meters of salt water for 5 minutes	✓	1 Year
Tactical II	80mm Body	N/A	-41 Typical	10 lbs.	IP68; 1 meter for 2 hours	✓	3 Years
Tactical III	80mm Body	N/A	-41 Typical	10 lbs.	IP68; 1 meter for 2 hours	✓	3 Years



# On-the-Ear Headsets

Lightweight, ergonomically designed on-the-ear headsets provide outstanding communications clarity. The sleek headbands fit easily under a helmet or cap for secure, all-day comfort.



Washable black mesh head strap ensures a secure, comfortable fit.

Flexible boom microphone adjusts easily from a left to right configuration to fit user preference.

## Tactical IV Headset



The Tactical IV is an extremely low-profile, lightweight headset with an all-in-one speaker and microphone unit that slides onto the mesh headband and sits comfortably on the ear.

## Ranger Headset



Ergonomically designed for comfort, the Ranger is a slim, extremely rugged, single-ear professional headset favored by SWAT, special response teams, bike/motorcycle patrol, canine officers, maritime operations and more. The Ranger provides outstanding performance under harsh conditions such as blowing rain, water rescues and other treacherous situations.

- Meets IP68 rating and fully sealed to withstand immersion to 1 meter for 2 hours in fresh water and continue to deliver outstanding communications performance.
- Includes a standard inline PTT. A variety of PTT styles are available to fit specific radios and applications.

### On-the-Ear Headset Specifications

Model	PTT	Mic Sensitivity @94 db SPL	Cable Pull Strength from Earcup Axial	Immersion Rating	Mil-STD-810G Compliant	Warranty
Tactical IV	80mm Body	-41 Typical	20 lbs.	IP68; 1 meter for 2 hours	✓	3 Years
Ranger	In-line Standard	-38.6 Typical	66 lbs.	IP68; 1 meter for 2 hours	✓	3 Years

Lightweight, durable, non-slip frame wraps around the ears for comfort and stability.

Flexible, noise-canceling left boom microphone with replaceable windscreen can be precisely positioned for ideal communications clarity.

Integrated loops allow a headstrap to be added to hold the headset firmly in place.

Single speaker sits on top of the left ear, swivels easily to provide a custom fit for each user.

Designed for all-day wear with a secure, behind-the-head headband.

# In-the-Ear Headsets

OTTO's super-lightweight, in-the-ear headsets deliver the best hearing protection for extremely loud tactical environments where clear communications are essential.



Lightweight, adjustable behind-the-head style headband and premium ear temples ensure a comfortable, secure fit.

Flexible noise-canceling electret boom microphone can be placed precisely for optimum transmission clarity and includes a replaceable windscreen.

Patented SureFire Earlock® retention rings ensure the earplugs stay comfortably in place.

## H3 Headset



SureFire® patented noise-reducing earpieces feature specially designed filters to provide excellent situational awareness with outstanding hearing protection for military, SWAT, public safety and security detail. The proprietary filter design dampens loud noises to safe levels while allowing normal speech and other non-harmful sounds to pass through and be clearly heard.

- When necessary, the sliding switch on the SureFire earpiece filter can be closed to block even more harmful noise and shut down the situational awareness functionality to achieve an NRR rating of 21 dB.
- In the presence of loud impulse noise, the SureFire earpieces provide maximum hearing protection of up to 40 dB NRR whether switch is open or closed.



## Hurricane II Headset



The Hurricane II Headset offers OTTO's highest NRR of 29 dB to provide outstanding hearing protection with excellent communications performance. It's an ideal choice for extremely noisy tactical and support environments.

- Includes specialized NoisEz<sup>SM</sup> eartips for maximum hearing protection, along with standard silicone eartips and flexible open ear inserts for use in less noisy areas.
- Standard inline PTT is included. Additional PTT styles are available for specific radios and applications.

Lightweight behind-the-head style headset with dual ear non-slip inserts is designed for comfort.

Comfortable, padded, wrap-around temples hold headset securely in place.

NoisEz<sup>SM</sup> eartips provide superior hearing protection.

The flexible, extreme noise-canceling boom microphone can be positioned precisely for clear communications and features a replaceable windscreen.



### Over-the-Ear Headset Specifications

Model	NRR	PTT	Mic Sensitivity @94 db SPL	Cable pull strength from earcup axial	Immersion rating	MIL-STD-810G Compliant	Warranty
H3	21 dB	In-line Standard	-33	30 lbs.	N/A	✓	3 Years
Hurricane II	29 dB with foam eartips	In-line Standard	-33	30 lbs.	N/A	✓	3 Years



# Push-to-Talk Options

There's an OTTO push-to-talk (PTT) accessory for every need. Choose the right PTT accessory to key your radio remotely. All PTT options meet MIL-STD-810.



## NoizeBarrier™ Multi-Port Hub PTT

OTTO Multi-Port Hub PTT is the ultimate hub for communications control. The Multi-Port Hub PTT provides modular control of as many as three unique communications platforms, each with a separate Push-To-Talk (PTT) button.

It is compatible with major radio platforms using detachable cables for each radio. In addition, the Multi-Port Hub PTT offers modular compatibility with vehicular and air-based intercoms (ICS), EUDs and both Android and iOS devices.

Designed with soldier's needs and a tactical environment in mind, the Multi-Port Hub is ergonomically designed for easy field use and is left and right hand reversible for convenience. Unique to the Multi-Port Hub PTT is the ability to adjust the situational awareness (talk-through) volume of the NoizeBarrier™ TAC tactical headset using control buttons on the Hub PTT.



### A Sample of OTTO PTT Accessories

To learn about all our PTT options, visit our website or call us.



**80mm PTT** Wear on chest or under the arm to activate easily with just a touch. Designed for extreme military environments, and IP67 rated to withstand harsh conditions including wind, dust and severe temperatures.



**Flat PTT** Features a 5-foot straight cable and Velcro® backing to attach easily under protective gear. 2.5mm right angle plug easily connects to a pigtail.



**Barrel PTT** Discreet design can be worn under clothing to key the radio with a touch of a finger.



**Ring PTT** Velcro® band secures the PTT around a finger for easy activation.



**Single-Button Sniper PTT** Velcro® backing provides placement versatility. Practical and comfortable to key the microphone when in tactical gear.



**Torpedo PTT with 2.5mm Pigtail** For use with lightweight headsets or for dual PTT control to attach a second remote PTT.



**U94 PTT** NATO-wired, quick-disconnect interface. Available for a range of radio platforms.



# Speaker Microphones

**Superior performance day-in and day-out. OTTO's Speaker Microphones are engineered to meet the communications demands of armed forces, law enforcement, and federal officers, agents and commanders for critical, high-stress applications.**

From our original, battle-tested Evolution model to our rugged, state-of-the-art, fire-resistant OTTO 500 to our new, Bluetooth-enabled Revo NC2, OTTO Speaker Mics offer made in the U.S.A. technology and usability to provide the performance and durability you need for today's two-way radio communications.

-  Bluetooth
-  Compact Size
-  Easily Accessible PTT
-  Expands to Outside Networks
-  Extreme Clarity
-  Fire Resistant
-  IP67
-  IP68
-  IS/ATEX
-  Lightweight Design
-  Noise-Canceling
-  Push-to-Talk over Cellular
-  Rechargeable Battery
-  Outstanding Durability

## OTTO 500

### Fire-rated Speaker Microphone



The OTTO 500 Speaker Microphone is the right choice for extreme fire-fighting environments. It's designed to withstand high-pressure water flow and function flawlessly even when exposed to temperatures as high as 500°F (260°C) for a full 5 minutes. The OTTO 500 gives fire professionals the critical minutes of communication that can mean the difference between life and death.

- Extremely durable case and fiberglass insulation protect the sensitive internal components from high temperatures to provide reliable, consistent performance.
- Internal microphone is optimized to reduce ambient noise even in an active fire, ensuring communications are understood.



Optional emergency button sends an immediate alert for help.

Dual front grill keeps dust, dirt and debris from affecting the quality of communications; removes easily for cleaning.

Large snap-action push-to-talk (PTT) button is easy to use with heavy gloves and protective gear.

Heat-resistant, self-extinguishing FIRE-TUFF cable resists strain and coil sag to retain electrical continuity in extreme conditions.

Large snap-action PTT is easy to use, even when wearing heavy gloves.

Emergency button sends an immediate alert for help.

Dual front grill keeps dust, dirt and debris from impacting communication clarity.



## Genesis II



The Genesis performs exceptionally in military and security detail where water or moisture, dust and dirt could negatively affect transmission quality. Durable construction with high-performance materials makes the Genesis the right speaker microphone for all demanding applications except fire.

## Evolution



Ideal for military tactical operations, federal agencies, law enforcement and security professionals, OTTO's original, combat-tested Evolution speaker mic has been the standard for service personnel worldwide for nearly 30 years. Often referred to as "The Original Pork Chop™", the Evolution features a durable sealed housing with built-in debris screen and a robust internal speaker that delivers a bigger, more natural sound.

- High-performance omni-directional microphone ensures clear, reliable transmissions.
- IS/ATEX-certified model available.

Large, textured PTT is easy to find and operate when wearing gloves.



Side-mount, pushbutton high/low control adjusts volume easily.

Earphone jack is isolated from the main housing and includes plug for use in wet conditions.

Available with optional antenna and optional emergency button.

Easy-to-use textured PTT button.



Adjustable high/low volume control.

Included earphone jack has a plug for wet applications.

## Storm



The Storm Speaker Mic is a high-performance model designed for outstanding reliability when transmission clarity is imperative in professional military and federal agency environments. The durable, contoured design, plus push-button volume control and large, textured PTT button make the Storm ideal for situations that are immediately dangerous to life and health.

- Durable fully-sealed housing has a built-in debris screen to keep dust and dirt from impacting communications clarity.
- IS/ATEX-certified model available.

## Revo NC2



The Revo NC2 features a revolutionary patented noise-canceling (NC) microphone for optimum voice clarity even in high-noise situations. The compact, tapered design is built for rugged tactical environments including military operations, high-profile security detail and public safety applications.

- Top-mounted microphone cancels out the surrounding noise to ensure transmissions can be clearly heard.
- Built-in debris screen protects internal components to keep dust and dirt from impacting transmission clarity.
- IP68 immersion rated to withstand 1 meter for 31 minutes.

Spring clip rotates 360° to allow precise positioning for best microphone pickup.

Large, textured push-to-talk button (PTT) is easy to find by touch, even when wearing gloves.

Intuitive, side-mount high/low slider switch adjusts volume easily.

Sealed earphone jack enables discreet listening with an earphone kit.



## Revo NC2 for PoC



The new Revo NC2 for Push-to-Talk over Cellular (PoC) brings the convenience and flexibility of a speaker mic to team members using smartphones and tablets to expand a vital communications network. Users can engage in team communications without having to dig a phone out of a pocket or unlock a screen. Ideal for expanded operations for disaster recovery and emergency response.

- Efficient, high-gain, low-distortion amplifier makes it easy to hear transmissions without draining the phone or tablet battery.
- Integrated rechargeable battery provides 15 hours of service. Charges easily via USB.
- Transmissions can still be heard (at reduced volume) if the speaker mic battery is fully depleted.
- Compatible with most Android and iOS mobile devices.

High-performance noise-canceling microphone delivers industry-leading voice clarity over mobile networks.

Built-in debris screen keeps dust and dirt from impacting transmission clarity.

Hi/Lo volume and On/Off slider switches are unobtrusive and intuitive.

Audio jack accepts an optional earpiece for private listening.



## Bluetooth Revo NC2



The new Bluetooth Revo NC2 takes speaker mic convenience and flexibility to a whole new level to serve military, disaster recovery and public safety personnel. Team members using ESChat, Zello or other push-to-talk apps can engage in team communications without having to dig a phone out of a pocket, unlock a screen or deal with a cable connection. The Bluetooth Revo NC2 pairs quickly and easily with Bluetooth-enabled mobile devices and selected two-way radios.

- Efficient, high-gain, low-distortion amplifier delivers clear audio transmissions.
- Integrated rechargeable and replaceable battery provides 12 hours of service and charges easily via micro USB.
- Compatible with most Android and iOS mobile devices.

Emergency button is available for selected radio models and push-to-talk apps.

PTT operates in momentary and latching modes to fit the communication need.

Push-button volume controls raise and lower the volume through multiple levels.

Audio jack accepts an optional earpiece to listen privately to incoming transmissions.



## Throat Microphone System

OTTO's Throat Microphone with pictured eartip keeps you in control and connected in high-noise, high-stress environments. The advanced microphone technology transmits even whispered commands. Fits comfortably and transmits flawlessly when used with gas masks, respirators, ballistic helmets, hazmat suits and other protective gear.



Includes in-line 80mm chest PTT for hands-free activation, and remote ring PTT for covert use.

Quick disconnect acoustic tube allows for easy replacement when needed.

Neck strap is designed to breakaway in emergencies for safety.

## Speaker Microphone Specifications

Product	PTT Switch Life	Cable	Cable Pull Strength	Earphone Jack	Operating Temperature	Storage Temperature	MIL-STD-810G	Warranty
OTTO 500	200,000 cycles	Fire-retardant, coiled	40 lbs., both ends	N/A	-30° C to +60° C	-51° C to +85° C	Exceeds	3 Years
Genesis II	500,000 cycles	Fire-retardant, coiled	40 lbs., both ends	6-pin Hirose	-30° C to +60° C	-30° C to +60° C	Exceeds	3 Years
Evolution	1,000,000 cycles	Heavy-duty, coiled	40 lbs., both ends	Standard 2.5mm	-30° C to +60° C	-57° C to +80° C	Meets	3 Years
Storm	1,000,000 cycles	Heavy-duty, coiled	40 lbs., both ends	Standard 2.5mm. 3.5mm for some models	-30° C to +60° C	-57° C to +60° C	Meets	3 Years
Revo NC2	200,000 cycles	Heavy-duty	40 lbs., both ends	Standard 3.5mm. 2.5mm for some models	-30° C to +60° C	-40° C to +70° C	Meets	3 years
Revo NC2 for PoC	200,000 cycles	Heavy-duty	30 lbs., both ends	Standard 3.5mm	-30° C to +60° C	-40° C to +70° C	Meets	1 Year
Revo NC2 with Bluetooth	200,000 cycles	N/A	N/A	Standard 3.5mm	-30° C to +60° C	-40° C to +70° C	Meets	1 Year on battery; 2 Years on mic
Throat Microphone	200,000 cycles	Heavy-duty	40 lbs., both ends	Acoustic tube with eartip included	-30° C to +60° C	-30° C to +60° C	Meets	3 Years

## Speaker Microphone Earphone Kits

Lightweight, comfortable and discreet, OTTO earphone kits plug into the earphone jack on a speaker mic to listen privately to incoming communications. Ideal for use in loud environments and high-risk situations to be able to hear communications clearly. Available with a 2.5mm or 3.5mm straight or right-angle connector to fit most speaker mics.



### Earphone Kits with SureFire® Earpieces

SureFire Earpieces feature patented noise-reducing filters to provide excellent situational awareness with outstanding hearing protection for clear communications. When the special noise-reducing filter in each earpiece is open, normal speech and other sounds at safe levels can pass through and be clearly heard.

- SureFire Earlock® retention rings ensure the earpieces stay comfortably in place.
- Manual switch can be closed to block loud harmful sounds and provide 21 dB NRR.
- In the presence of loud impulse noise, the SureFire earpieces provide maximum hearing protection of up to 40 dB NRR whether switch is open or closed.
- Requires no batteries.
- Available in Single Earphone and Dual Earphone styles.

## Standard Single Earphone Kit with Silicone Eartip

Modular single-ear earphone kit features a discreet, flexible, transparent acoustic tube between the earphone to the eartip to transmit sound clearly and accurately.

- Includes lightweight earphone, professional-grade silicone eartip, and an adapter with clothing clip to hold the cabling securely in place.
- May be worn in right or left ear.
- Assembles and disassembles easily to replace parts when needed.



## Dual Earphone Kit with Foam Earpieces

Allows private listening in both ears. Noise-attenuating foam earpieces fit securely in the ears to clearly hear incoming transmissions while providing outstanding hearing protection. Modular design makes it easy to assemble and disassemble to replace parts when needed.

- Includes lightweight earphone, soft, noise-attenuating foam earplugs, discreet, flexible, transparent acoustic tubes and an adapter with clothing clip to hold the cabling securely in place.



## Ear Hanger Single Earphone Kit

Soft, lightweight rubber ear loop holds the remote speaker up against the ear to listen privately to radio communications. May be worn in right or left ear.



# Tactical Field Communications Handsets

Designed for portable radio manpack (PRC), vehicular (VRC) and fixed station radio equipment, OTTO handsets help you keep your missions on the move.

- Durable, ergonomic handset allows private conversations.
- Equipped with a dynamic or an optional electret noise-canceling microphone.
- Constructed of a polycarbonate/ABS blend for top performance.
- Designed to insulate the user from any contact with metal parts for safety.
- Meets requirements of MIL-PRF-49078A and MIL-STD-810 for ruggedness.



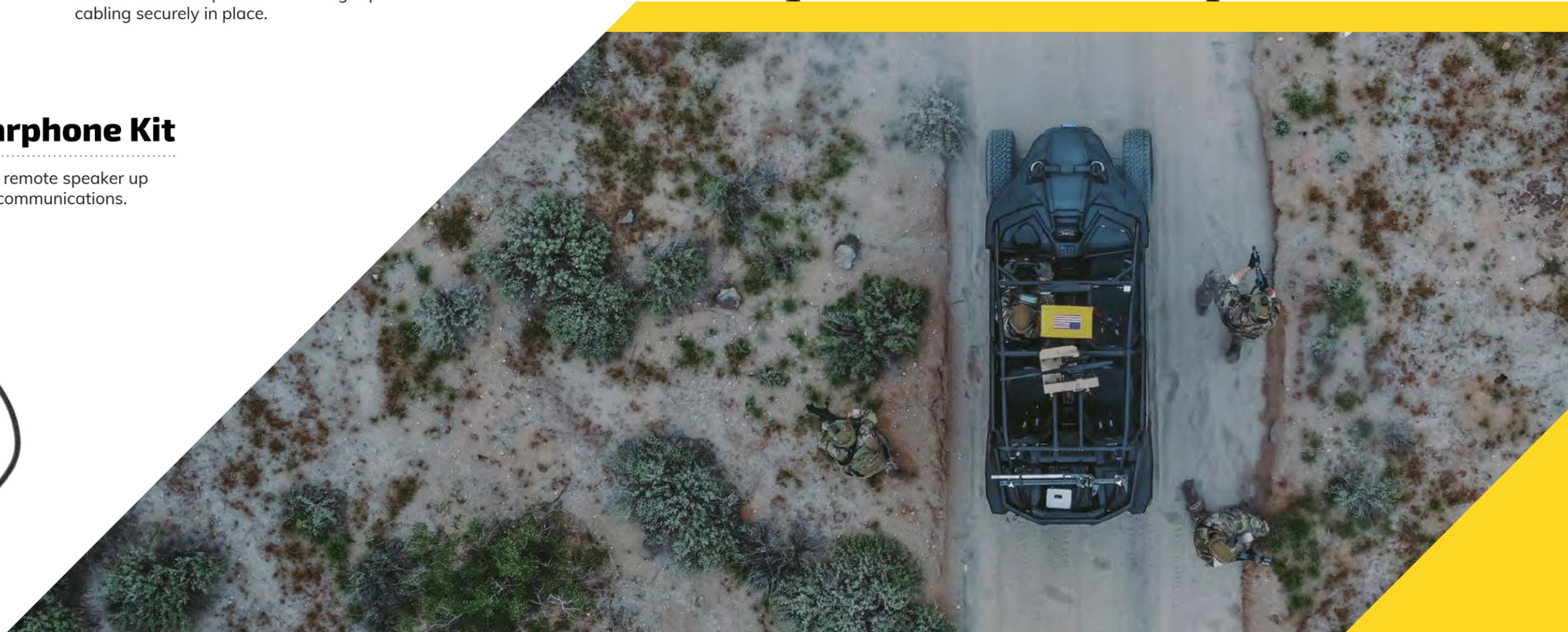
## OTTO H250 Single-Button PTT

Features a large push-to-talk (PTT) button to communicate on a single radio channel.



## OTTO H252 Dual-Button PTT

Two independent PTT switches allow multi-channel and talk-group capabilities for communicating on two separate radio channels.





# Wireless Intercom Systems

**Full-duplex, hands-free systems keep teams connected and focused on the job.**

Connect your support teams. Achieve greater safety. Improve teamwork with our Connect Wireless Intercom Systems. Important instructions, safety alerts and team communications can be instantly transmitted to the entire team without having to push a button or wait for an open channel to talk. With no transmission delay or clipping when more than one person talks at once, partial instructions, miscommunication and misunderstandings are a thing of the past.

Connect Systems are ideal for military logistics and maintenance teams, Federal, State and local government, emergency services, first responder personnel and more. Choose from two models, both operate on the 900 MHz frequency for outstanding performance in environments where other intercoms fail.

# Meet the most valuable member of your team!

**Our Connect Wireless Intercom Systems offer unmatched performance to ensure everyone on the team is connected and aware of important team communications.**

 **Full-Duplex System** enhances safety and saves lives. Allows transmissions to be sent and received simultaneously without clipping or cutting out.

 **Allows 8 Simultaneous Speaking Users** and unlimited listeners to connect your entire team. Switch-to-talk technology allows additional team members the chance to talk when needed.

 **Digital Signal Processing Technology** blocks ambient noise and only sends voice transmissions, even in noisy environments.

 **Frequency Hopping, Spread-Spectrum Technology** in the 900 MHz band hops every 30 milliseconds to provide an unrivaled, secure network with minimal interference, jamming or eavesdropping.

 **Operates at 900 MHz Frequency** for outstanding clarity almost anywhere. Transmissions travel easily through walls, during harsh weather and across longer distances without interference. Maximum range of 4,000 feet in direct line of sight, with a typical range of 1,600 to 2,000 feet.

 **Reliable Performance** in all weather conditions, including rain, cold, heat, wind and dust.

 **No Base Station** is needed.

 **Extended Talk Time** on a single charge of the rechargeable batteries easily lasts through entire shifts and more.

 **Individual Units Pair Easily** and work groups can be set up quickly without a computer.



Volume buttons can be easily operated with gloves.

## OTTO Connect

The economical OTTO Connect system is the standard by which all wireless intercoms are measured. Operating in the 900 MHz frequency band, the OTTO Connect offers greater clarity and better transmission performance than other systems operating in more crowded airwaves.

Provides 18 hours of talk time on a single charge of the rechargeable lithium-polymer batteries.



**Optional Fusion™ accessory** allows teams to communicate around the world by linking the OTTO Connect network to existing cellular or two-way radio networks.



## Connect X

The Connect X Wireless Intercom System takes productivity, safety and teamwork to the next level. The new lighter and more compact Connect X system enhances the original OTTO Connect system with the addition of built-in Bluetooth connectivity and Fusion technology.



**Wirelessly connects** to Bluetooth-enabled headphones for more versatility and greater freedom of movement.



**Provides 12 hours of talk time** on a single charge of the rechargeable and replaceable lithium-ion batteries.



**Built-in Fusion technology** also bridges the gap between the Connect X network and other networks including mobile devices and two-way radios.



## Wireless Intercom Systems Specifications

Product	Max. Range	Battery Life	Battery Type	Dimensions w/o antenna	Antenna	Weight	Operating Temperature	Storage Temperature	Warranty
<b>OTTO Connect</b>	4,000 ft. line of sight	18 hours	Lithium Polymer	5.3 x 3.3 x 1.3-in. (13.46 x 8.38 x 3.30 cm)	3.5 in. (8.89 cm)	15.98 oz. (453 g)	20°C to +60°C	-40°C to +70°C	18 Months
<b>Connect X</b>	4,000 ft. line of sight	12 hours	Lithium Ion	4.92 x 2.58 x .99-in. (1.94 x 1.02 x .39 cm)	3.09-in. (1.22 cm)	8.4 oz. (238 g)	-20°C to +60°C	-40°C to +70°C	1 Year on battery; 2 Years on unit

## Wireless Intercom Systems Headsets

A range of OTTO high-performance headsets are compatible with our Wireless Intercom Systems. Choose the type that meets your needs.



**NoizeBarrier™ TAC Headset**  
pg 7



**ClearTrak™ Headset**  
pg 11



**Classic Heavy-Duty Single Ear**  
pg 12



**Profile Headset**  
pg 13



**Ranger Headset**  
pg 17



**Hurricane II Headset**  
pg 21



**Throat Microphone**  
pg 32



# Surveillance & Covert Kits

**OTTO Surveillance and Covert Kits are engineered for discreet communications when using a two-way radio.**

They are ideal for undercover military and intelligence operations and professional security detail. With durable, Kevlar-reinforced cables, high-performance speakers and a choice of comfortable earpieces, OTTO Surveillance and Covert Kits deliver clear communications and long life. They are compatible with a range of radio models and connectors.

# OTTO LOC

## One or Two-Wire Surveillance Kits

OTTO LOC is a versatile system that is ideal for situations where multiple people use the same radio at different times throughout the day. OTTO LOC kits have a unique quick-change connector that allows each user to easily attach an individual earpiece, making OTTO LOC more efficient, hygienic and cost-effective than purchasing a separate direct-connect kit for each user. Five unique earpiece styles are available to fit the preference of each user.

- Kevlar-reinforced cabling ensures long-lasting durability.
- Replaceable components maximize versatility and long life of the system.
- Compatible with a range of radio models and connectors.

**OTTO LOC Connector** keeps the earpiece firmly connected to the wire kit to eliminate accidental disconnection.

**Quick-Disconnect Acoustic Tube Eartip**  
Includes transparent acoustic tube, professional-grade silicone eartip and an adapter with clothing clip to hold the cabling securely in place.

**Ear Loop with Earbud**  
Earbud swivels 180 degrees to fit comfortably in right or left ear.

**Earbud**  
Padded earpiece fits snugly in ear for discreet listening.

**Rotating Ear Hanger**  
Allows more precise adjustment of the earpiece around the ear.

**Swivel Earpiece**  
Cushioned earbud rotates on a spindle for optimal positioning within the ear.

**One-wire Kit**  
has an ergonomically designed, in-line push-to-talk microphone for convenience.

**Two-wire Kit**  
has the ergonomic push-to-talk microphone on a separate wire for more discreet activation.



## One-Wire, Direct-Connect Surveillance Kits

These high-quality one-wire surveillance kits are an economical choice for environments using radios with simple two-pin connectors.

- In-line ergonomic PTT/microphone is designed to make outgoing transmissions easy.
- Durable Kevlar cabling is designed to withstand day-in and day-out use.
- Compatible with a variety of radios with two-pin connectors.



### One-Wire Kit with Quick-Disconnect Acoustic Tube Eartip

Includes transparent acoustic tube, professional-grade silicone eartip and an adapter with clothing clip to hold the cabling securely in place.

### One-Wire Kit with Earbud

Comfortable earbud fits snugly in ear for discreet listening.

### One-Wire Kit with Fixed Ear Hanger

Fits snugly around the ear to keep earphone firmly in place.

### One-Wire Kit with Ear Loop with Earbud

Cushioned earbud rotates on a spindle for optimal positioning within the ear.

### One-Wire Kit with Swivel Earpiece

Earbud swivels 180 degrees to fit comfortably in right or left ear.

### One-Wire Kit with Adjustable Rotating Ear Hanger

Allows more precise adjustment of the earpiece around the ear.

## One-Wire Listen Only Earphone Kit

Keep team members connected to essential communications with our premier one-wire surveillance kit designed for listening only. Quick-connect feature makes it easy to replace or change the acoustic tube and eartip for different users. Includes transparent acoustic tube, professional-grade silicone eartip and an adapter with clothing clip to hold the cabling securely in place.



## Two-Wire Surveillance Kit

Two-wire Surveillance Kits allows military and federal intelligence teams to communicate discreetly. One wire connects the earphone to a clear acoustic tube and silicone eartips to listen to incoming communications. The microphone and PTT on the other wire fasten easily to a pocket, lapel or cuff, or may be held to the mouth to send transmissions to other team members.

Silicone eartip is included; additional eartips are available to meet the requirements of a range of applications.

Low-profile, transparent acoustic tube rests inconspicuously against the neck to produce clear sound transmission.

Lightweight microphone with debris screen clips discreetly to lapel or collar.

Premium PTT activates silently for privacy.

Quick-connect feature makes it easy to change the acoustic tube and eartip for different users.

Kevlar-reinforced cables are made with a proprietary alloy for increased linear and tensile strength.

Compatible with a range of radio models and connectors.

## Three-Wire Surveillance Kit

With a Three-Wire Surveillance Kit, there's no need to raise the microphone or PTT to your mouth to send a transmission. The microphone is on one wire and can be clipped to the lapel near the mouth, while the PTT is on a separate wire to activate inconspicuously. The third wire connects the earphone to a clear acoustic tube and silicone eartip for discreet listening to incoming communications.

Quick-connect feature makes it easy to change the acoustic tube and eartip for different users.

Silicone eartip is included; additional eartips are available.

Lightweight microphone with debris screen clips to lapel or collar to easily pick up voice transmissions



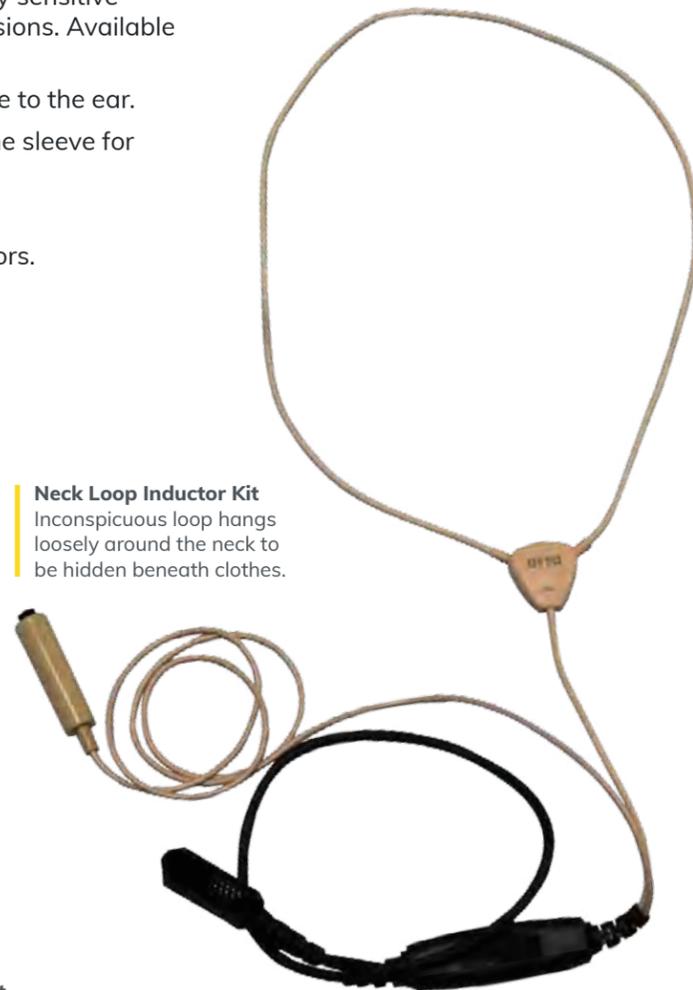
## Two-Wire Covert Kits

Ideal for federal agencies, military police, undercover and professional security detail, our highly discreet Covert Kits are engineered to provide exceptional communications performance. The hidden inductor sends transmissions to a lightweight wireless ear receiver (sold separately), and the built-in, highly sensitive Knowles microphone easily picks up voice transmissions. Available in two styles, both with discreet beige cabling.

- Wireless Ear Receiver replaces the acoustic tube to the ear.
- Discreet barrel PTT runs along the arm inside the sleeve for covert activation.
- Durable Kevlar cabling withstands tough use.
- Compatible with a range of radios and connectors.



**Flat Pack Inductor Kit**  
Pins easily to even a lightweight shirt to be unnoticeable to others.



**Neck Loop Inductor Kit**  
Inconspicuous loop hangs loosely around the neck to be hidden beneath clothes.



## Wireless Ear Receiver

Discreet wireless ear receiver fits comfortably into the ear to replace the traditional acoustic tube. Receives the transmission from a flat pack or neck loop inductor (sold separately).

- Digital, squelched and non-squelched versions are available.
- Includes spare batteries, wax traps and wax trap removal tool.

## Smartphone Style Earbud Covert Kit

Designed to help teams blend into a crowd to receive and send transmissions without drawing unwanted attention. The full kit features white or colorful earbuds and white cabling to give the appearance of a standard smartphone style earbud kit.

- Kit consists of smartphone-style earbuds with built-in microphone, push-to-talk adapter cable and a radio connector.
- Individual components may also be purchased separately to work with off-the-shelf smartphone earbuds.



Standard 3.5mm port allows you to plug in and operate with any off-the-shelf commercial earbuds.

Push-to-talk adapter cable is available in either 6-pin or 12-pin Hirose models.

Available with a variety of radio connectors.

Earbuds are available in White, Black, Red, Blue and Green.

# Surveillance and Covert Kit Accessories

## Noise-Attenuating Earplug Kits

Noise-attenuating yellow foam earplugs fit securely to clearly hear incoming transmissions while providing a certified (NRR) of 25 dB when earplugs are in both ears.

**Dual Ear Kit** Includes lightweight earphone on adapter with clothing clip, soft, noise-attenuating foam earplugs and flexible, transparent acoustic tubes.



**Single Ear Kit and Optional Ear Plug** Includes replacement acoustic tube with noise-attenuating earplug. Second earplug may be purchased separately.



## Flexible Open-Ear Insert

Designed to slide easily onto the acoustic tube elbow and fit snugly in the ear to hear ambient sound with radio transmissions. Made of hypo-allergenic plastic.

## Covert Accessories

Turn your OTTO Two or Three-Wire Surveillance Kit into a Covert Kit with a Flat Pack or Neck Loop Inductor and Wireless Ear Receiver (sold on page 48). Inductors plug into the connector cable on our surveillance kits to create an inductive field that carries the radio transmission to the ear receiver.



Neck Loop Inductor

Flat Pack Inductor



# Connectors

OTTO supports an expansive range of radio platforms and provides accessories for virtually all two-way radios in both military and public safety arenas. A sample of our available connectors is on these two pages. Be sure to contact us if you don't see the connector you need.



BK Tech DPH / LPX (BA)



EF Johnson EFJ 5100 (JC)



EF Johnson (JD)



Motorola HT 1000 (MA)



Motorola HT-750 (MJ)



Motorola MOTO APX/XPR-6000/7000 (MF)



EF Johnson (KB, KC)



Harris 700P (EJ)



Harris MRK (EC)



Motorola XPR-3300/3500 (MR)



Motorola TETRA (MR)



Motorola TETRA (MF)



Harris P5300 (ER)



Harris PRISM\_LPE200 (ED)



Hytera (HX)



Motorola TETRA (MJ)



Motorola TETRA (MO)



Nemesis



Hytera (HY)



Hytera TC780 (MM)



Icom 30GT\_GS (CM)



Nexus



Push-to-Talk Over Cellular (PoC)



Sepura SRP/SRHS (SC)



Icom F9011\_F9021 (CF)



Kenwood TK480 (KB)



Motorola ASTRO\_SABER (MD)



Sepura TP8000 (ST)



U329



Vertex VX820 (VJ)

## Adapters

OTTO designs and engineers adapters for radios that have a unique accessory interface. These adapters allow you to use one set of accessories with multiple radio models.



**V1-10894**  
Attaches to Kenwood TK480 series (KB) to use TK250 series accessories (KA)



**V1-10540**  
Attaches to Motorola HT1000 series radios (MA) to use 6-pin Hirose HT600 Series accessories (MD)



**V1-11034**  
Attaches to Motorola TRBO-APX series radios (MA) to use 6-pin Hirose HT600 Series accessories (MD)



**V1-11019**  
Attaches to Motorola TRBO/APX series radios (MF) to use 3.5 threaded connector accessories (3T)

The adapters listed below do not change radio platforms, but are required to use with some OTTO accessories for the following radio platforms:



**V1-10842**  
EFJ 5100 (JC)



**V1-10430**  
Kenwood TK480 (KB)

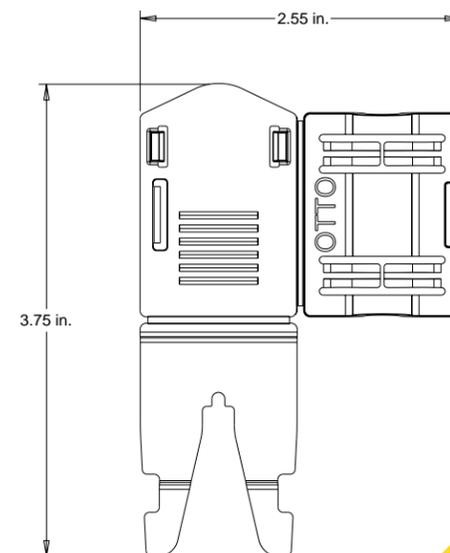


**V1-10335**  
Motorola (3T)

## Cable Management Clip (CMC)



OTTO cable management clip mounts on any mole vest to keep cables in place. Simply slide the clip under a vest strap, fold and snap together, insert the cable and snap the cover closed. Available in Black, Olive Drab Green, Desert Tan and Flat Dark Earth.



## **Put Your Trust in OTTO Excellence**

OTTO two-way communications accessories set the standard for clear communications, reliable performance and exceptional durability when it matters most. Built to exacting specifications to ensure flawless performance in a wide range of conditions, our products are the top choice of military forces, law enforcement agencies, public safety organizations, industrial, retail and commercial customers worldwide.

Proudly designed, engineered and manufactured in the U.S.A., OTTO accessories are put to the test every day by people who depend on crystal clear communications to do their jobs. Whether you need heavy-duty to lightweight headsets, rugged to low-profile speaker microphones, surveillance kits or intercom systems, you can trust OTTO for all your two-way communications accessories needs.

# **OTTO**<sup>®</sup>

**Designed, Manufactured and Engineered  
in the U.S.A. for Over 50 Years.**

**[www.ottofedmil.com](http://www.ottofedmil.com)**

Toll-free **+1-888-234-6886**

Direct **+1-847-428-7171**

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