

two-way radio ACCESSORIES catalog



OTTO
COMMUNICATIONS®

Speaker Microphones

OTTO offers an extensive line of **Speaker Microphones** that outpace the competition in performance. OTTO's speaker microphones offer versatility, durability and reliability. They are the preferred remote speaker microphone in the Public Safety Market and are also used in construction, manufacturing, retail and hospitality environments.

Legacy

- Small, lightweight, low profile design
- 2.5mm earphone jack for optional earphone accessories
- Clothing spring clip which can be positioned 360 degrees
- Ideal for retail, light industry and hospitality markets

Profile

- Splash-proof mid-weight design
- Lighter and slimmer than the Evolution speaker microphone
- 2.5mm earphone jack for optional earphone accessories
- Clothing spring clip which can be positioned 360 degrees



Legacy

Profile

Evolution

- Sealed housing to withstand MIL-STD-810 40 mph blowing rain
- Adjustable high-low volume control
- 2.5mm earphone jack for optional earphone accessories
- Clothing spring clip which can be positioned 360 degrees
- Optional emergency button and antenna connector models available
- Spare parts available for repair
- Ambient noise reduction models available

Evolution H₂O Immersion Rated

- Immersion rated, fully sealed to IP68 standard *
- Adjustable high-low volume control
- Clothing spring clip which can be positioned 360 degrees
- Optional antenna connector models available

* IP68 standard is submersion in 1 meter of water for 30 minutes



Evolution

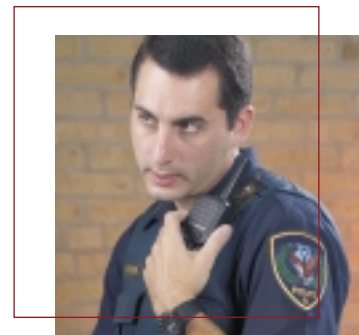


Evolution H₂O



Evolution with optional Antenna Connector

Evolution with optional Earphone Kit



Contact OTTO for all IS approved products - UL/CSA for North America, ATEX for Europe, and IECX for International certifications.

Speaker Microphones

Lightsword

- Design based on the proven OTTO Evolution speaker microphone platform
- Two 4600 milli-candela super bright white LEDs with 30 degree beam width
- LED lighting controlled with an off/on switch located on the front of the unit
- Use as an auxiliary or back-up light source
- Minimal drain on radio's battery*
- Durable design and construction to meet MIL-STD-810 blowing rain seal
- 2.5mm earphone jack for optional earphone accessories
- US Patent # 6,315,425
- Ideal for public safety, military and industrial applications

**Based on using a 1500 mah battery, one hour of Lightsword (lights on) operation is equal to about one minute of radio transmit time.*

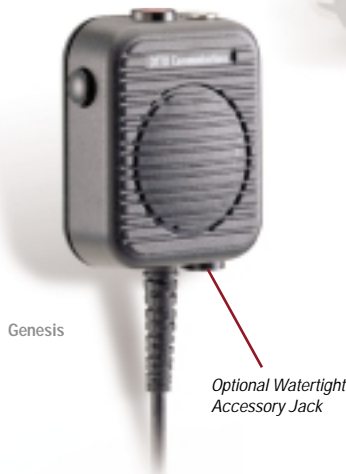


Lightsword

Off/On Switch for Light Illumination

Genesis

- Removable front grill to easily wash away dirt and debris
- Dual grill provides immersion & high pressure water seal
- Immersion rated, fully sealed per IP68 standard*
- Optional watertight (plugged or unplugged) accessory connector
- Large snap-action PTT button to accommodate fire gloves and other protective gear
- Reduced gain on microphone that helps reduce ambient noise
- Speaker always remains active
- Durable design and construction to meet MIL-STD-810 specs
- Heavy-duty cable assembly with strain relief for demanding applications
- Clothing spring clip which can be positioned 360 degrees
- Optional top mounted antenna connector
- Optional emergency button
- Optional accessories allow the user to communicate when wearing masks, respirators or other protective gear
- Ideal for firemen and other Public Safety applications as well as industrial applications where dust, metal filings and other debris may damage speaker mics.



Genesis

Optional Watertight Accessory Jack

** IP68 standard is submersion in 1 meter of water for 30 minutes*

Genesis Optional Accessories

- Speaker always remains active even when accessories are attached
- When accessories are engaged, Genesis can be used as a remote PTT
- Accessories can be worn under protective clothing
- Accessory connector is sealed per IP68 standard



Skull Mic

Throat Microphone



Hurricane Headset

Earphone Kit
2.5mm right angle



Ranger Headset

Heavy Duty
Behind-the-Head

Earphone Options for Speaker Microphones (Excluding Genesis)

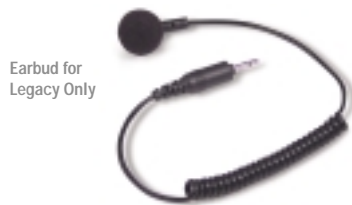
Earphone Kits

- Lightweight earphone, rubber eartip and clothing clip
- Low-profile, flexible, transparent acoustic tube
- Designed to fit either the left or right ear
- Quick disconnect earphone adapter for easy replacement of any one component
- Listen only device
- 2.5mm or 3.5mm connectors available



Ear Hanger

- Soft rubber ear loop with speaker
- Adjusts to fit either the left or right ear
- Listen only device
- 2.5mm or 3.5mm connectors available



Earbud

- Single earbud designed to fit either the left or right ear
- Listen only device for use with Legacy Speaker Microphone only

Dispatch

Designed and tested for use in the Public Safety Market, OTTO offers a variety of **Headsets** and a **Remote Console Interface** that provides ease of operation in critical situations. The modular system includes a choice of headset, remote console interface and coil cord with standard console plug. OTTO also offers a hardwired version with various headset offerings. All come standard with console plug.

Remote Console Interface

- Designed with a volume control, mute and PTT button all in one housing
- Modular connector allows connection to a variety of headset options
- Durable 15' extended coil cord
- Easy replacement of any one component



Headsets

- Variety of headset options
- Noise-canceling microphones standard
- Option for hardwired unit or direct connection to Remote Console Interface



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Tactical, Fire & HAZMAT

OTTO offers a variety of accessories for many tactical applications. The modular **Skull Mic**, **Ear Cup Receiver**, **80mm Body PTT** and the OTTO **Throat Microphone** provide clear and consistent communications for the following recommended applications: SWAT, Hazardous Materials Response, correctional facilities and public safety.

Skull Microphone System

- Picks up user's voice through bone vibrations
- Comfortable molded rubber Skull Mic and ear cup
- PTT options for use with protective clothing and special applications
- Adaptable to most helmet configurations



Skull Microphone System

Throat Microphone

- Microphone picks up even a whisper
- Adjustable elastic strap for a comfortable fit
- PTT options for use with protective clothing and special applications
- Additional ear insert options available



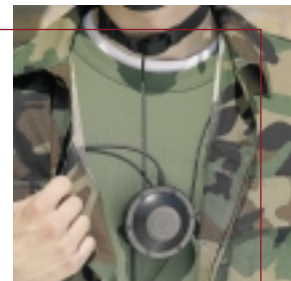
Throat Microphone

SCBA Systems

- Contact factory for specific SCBA requirements
- Used with Genesis Speaker Microphone with quick disconnect feature to provide additional communications

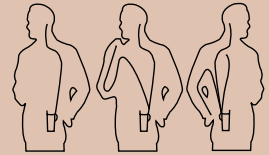


SCBA System



Surveillance Kits

OTTO sets the standard in durability, reliability and performance for **Surveillance Kits**. Experience high-clarity, two-way radio transmissions that are unnoticed by others around you. Not just for "surveillance" purposes anymore, these kits are perfect for security at airports, casinos, manufacturing plants, crowd control at conventions and concerts, and others working in environments requiring **discrete** communications.



Earphone, Two-Wire and Three-Wire Kits

- Lightweight earphone, rubber eartip, radio connector and clothing clip
- Low-profile, flexible, transparent acoustic tube
- Quick disconnect earphone adapter for easy replacement of any one component
- Black or beige color options



Earphone Kit



Two-Wire Kit

(Receive only-for use with portable radios)

Two-Wire Earbud

- Earbud style earphone with foam cover
- Miniature PTT and microphone with clothing clip
- Designed for hospitality, retail and surveillance applications



Three-Wire Kit



Two-Wire Earbud

Accessories for Surveillance Kits

Modular Earphone Accessories provide even more flexibility to users in multiple shifts sharing equipment or to those who need options when moving from a high noise to low noise environment.

Flexible Open Ear Inserts

- Open frame design allows user to hear ambient noise
- Molded from hypoallergenic material
- Available in three sizes and can accommodate right or left ear use
- Designed to be worn for long periods of time



Flexible Open Ear Inserts

Noise-Attenuating Kit

- Provides additional hearing protection
- Certified noise reduction rating (NRR) of 25dB
- Comfortable adjustable yellow foam ear inserts



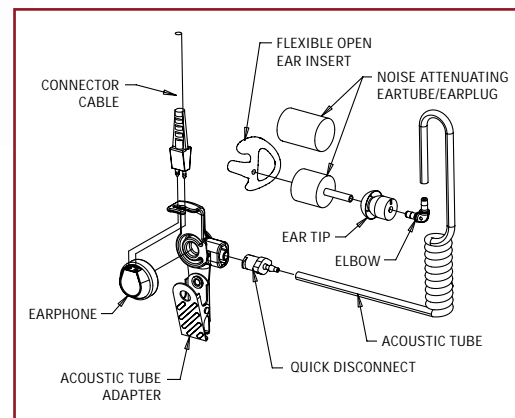
Noise-Attenuating Kit

Quick Disconnect Adapter

- Allows users to easily replace or alternate acoustic tubes (i.e. multiple shift operations)
- Unique cable retention feature eliminates strain on the earphone
- Black or beige color options



Quick Disconnect Adapter



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Wireless Accessories

OTTO's **Wireless Ear Receivers** make your OTTO **Two** and **Three-Wire** kits perfectly covert! The **Wireless Ear Receiver** fits securely in your ear canal and is comfortable and almost invisible. It is used in conjunction with either the **Flat Pack** or **Neck Loop** which creates the inductive field that transmits the radio's sound to the **Wireless Ear Receiver**. The **Ear Receiver** is available in Conventional or Squelched models. The Squelch technology minimizes electric field interference making the unit silent in the absence of incoming transmission.

Wireless Receiver

- Small lightweight unit which fits comfortably inside the ear
- Includes carrying pouch, 15 wax filters, four battery pack and tool
- Standard and Squelched versions available in beige (shown) or dark brown



(Available in Right Ear Only)

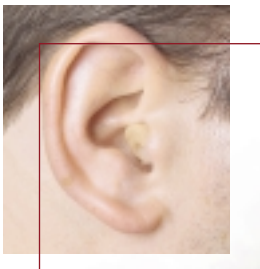
Flat Pack

- Creates inductive field that carries the transmission to the Wireless Ear Receiver
- Standard two-pin connector provides quick connection to a two or three-wire kit



Neckloop

- Creates inductive field that carries the transmission to the Wireless Ear Receiver
- 28" or 49" lengths available in beige color
- Standard two-pin connector provides quick connection to a two or three-wire kit



Wireless Receiver eliminates the need for an acoustic tube



Lightweight Headsets

OTTO offers a variety of **Lightweight Headsets** with exceptional audio quality. These headsets ensure discrete two-way radio communications while providing the additional comfort necessary for extended wear. Most models are available with or without Push-to-Talk (PTT) options. These headsets are ideal for bike safety patrols, hotel, restaurant and other hospitality staff, event coordinators and others in the entertainment industry and for anyone working in a moderate noise environment.

Explorer

- Flexible contoured earhanger that can be easily adjusted
- Right or left ear compatibility
- Quick disconnect acoustic tube with multiple ear insert options
- Swivel boom microphone for left or right positioning

Breeze

- Behind-the-head style with single left earphone
- Designed for extended wear in active environments
- Ultra lightweight frame for superior comfort and fit
- Flexible boom microphone with replaceable windscreen
- Adjustable headband available on certain models
- Can be worn under helmet or cap

Lightweight

- Single speaker headset
- Comfortable adjustable foam cushion headband
- Fully rotating boom microphone for left or right positioning
- Replaceable foam ear cushions with optional cloth covers

Hurricane

- Behind-the-head style headset with dual ear inserts
- Performance of a heavy-duty headset without all of the weight and bulk
- Provides noise reduction with use of noise attenuating plugs (21dB)
- Multiple ear insert options included
- Easily converts from high noise to low noise environment
- Flexible, noise-canceling boom microphone with replaceable windscreen
- Can be worn under helmet or cap
- Optional Remote PTT jack available allows user to PTT against tools, steering wheel, or weapon

Remote PTT Options for Breeze, Hurricane & Ranger

- Provide the ability to have “hands-free” operation for those users driving, carrying weapons or tools or any application where their hands may be otherwise occupied



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Heavy Duty Headsets

The OTTO **Heavy Duty Headsets** offer high clarity sound and additional hearing protection necessary for consistent, clear communication in high noise environments. Most models are available with or without Push-to-Talk (PTT) options. Perfect for use by manufacturing plant engineers, industrial processing technicians, construction teams, airport personnel, racing crews or in any high noise environment.

Hurricane

- Behind-the-head style headset with dual ear inserts
- Performance of a heavy-duty headset without all of the weight and bulk
- Provides noise reduction with use of noise attenuating plugs (21dB)
- Multiple ear insert options included
- Easily converts from high noise to low noise environment
- Flexible, noise-canceling boom microphone
- Extreme noise-canceling microphone available on certain models
- Can be worn under helmet or cap



Hurricane

Ranger

- Behind-the-head style with single left speaker
- Speaker rotates on the steel frame to allow for adjustment
- Water, wind and dust proof for harsh environments
- Flexible, noise canceling left boom microphone with replaceable windscreen



Ranger

Over-the-Head & Behind-the-Head

- Heavy-duty headset with certified noise reduction rating (NRR) of 24dB
- Comfortable, dual cloth-covered ear seals
- Flexible, noise canceling boom microphone with replaceable windscreen
- Rotating boom mic for left or right positioning (Over-the-head only)



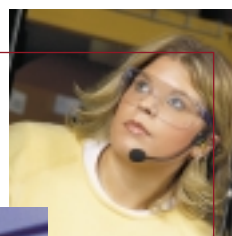
Over-the Head Headset

ClearTrak

- Heavy-duty headset with certified noise reduction rating (NRR) of 24dB
- Comfortable, dual cloth-covered ear seals
- Built with an extreme noise-canceling microphone (3dB – **Standard**) (19dB – **ClearTrak**)
- PTT switch located on earcup



ClearTrak Headset

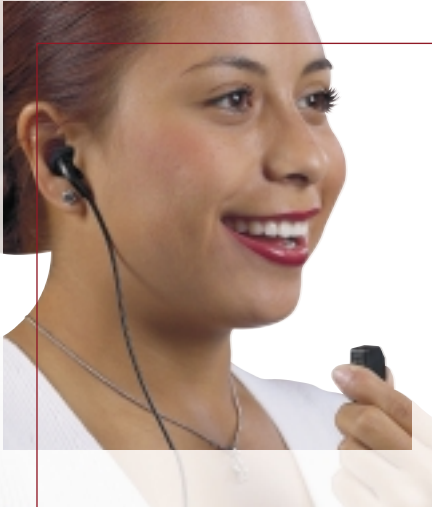


Adapters

OTTO has designed various radio **adapters** to allow the use of radio accessories with radios that have a unique accessory interface. In addition, for specific radio models, adapters are available which allow the interchangeability of one set of accessories on multiple radio models.

Adapters

- Allows connection to various headset and earphone options
- Several radio model adapters available



Kenwood TK480 Series
(2.5mm Jack)



Motorola HT1000 Series
(3.5mm Threaded)



Motorola HT1000 Series
(12 Pin Hirose)



Motorola SABER/ASTRO
(12 Pin Hirose)



Replacement Parts

OTTO offers select replacement parts for several product lines including headsets, speaker microphones and surveillance accessories. Replacement parts include cable assemblies, earphone options, windscreen and cloth earphone covers and other key component parts.



Evolution



Replacement Cable and Connector for Speaker Microphone



Replacement Cable for 2.5mm Earphone Kit



Earphone-Beige and Earphone-Black



Back Cover Assembly for Evolution Speaker Microphone



Two-Wire Field Repairable Kit



Heavy Duty Headset boom, mic and cable replacement parts

Accessories for Surveillance Kits



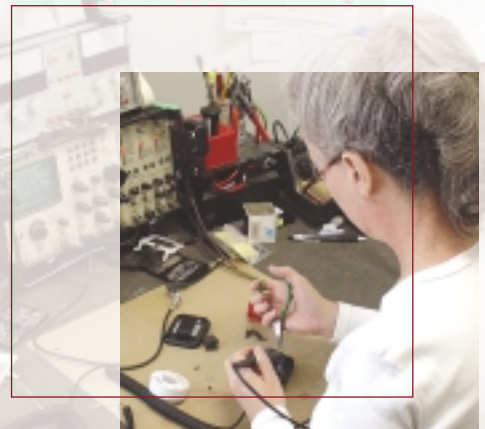
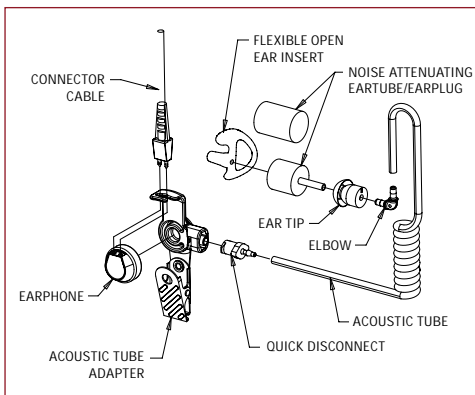
Flexible Open Ear Inserts



Noise-Attenuating Kit



Quick Disconnect Adapter



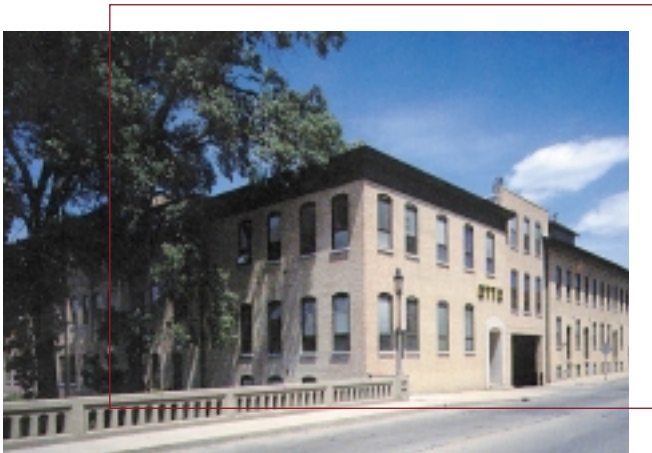
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OTTO Communications

OTTO Communications, a division of OTTO Engineering, specializes in communication accessories for the two-way radio market. OTTO designs and manufactures a full line of accessories specifically for demanding applications. OTTO is recognized worldwide for superior performance and innovative products. OTTO is a vertically integrated manufacturer with in-house injection molding, stamping, CNC machining, cable assembly and cable overmolding capabilities. Our strong mechanical, electrical and RF Design Engineering capability, world-class test lab and computer controlled production line testing is unmatched in the industry.

OTTO's accessories are designed for use by security, surveillance, public safety, emergency medical teams, SWAT, fire fighters, HAZMAT and other law enforcement professionals along with food service, hospitality, entertainment and industrial markets. OTTO Communications supports a wide range of radio platforms providing accessories for most major two-way radios.



OTTO
COMMUNICATIONS®

Over 40 Years of Innovation in Demanding Applications

OTTO Communications

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HEARING PROTECTION WARNING

OTTO Communication products are designed to produce a specific audio output level at maximum rated power. Modifying these devices in any way including adding or removing components and accessories may change the audio output of the device and could result in PERMANENT HEARING DAMAGE.

Many countries now have regulations defining the amount of noise that an individual can be subjected to during a normal workday. The duration of exposure, the level of audio output and the level of ambient noise will affect compliance to these regulations. Compliance is application dependent and standards vary. It is the SOLE RESPONSIBILITY of the end user to determine applicability of and compliance to local hearing protection regulations. In addition, if purchasing any OTTO accessories which use earphone kits, it is the SOLE RESPONSIBILITY of the user to determine proper fit. Always use caution when inserting any of the products into your ear.