

Interference Free Wireless Earpiece System

Part # COV-IFS-Loop/xx



Product Description

The system incorporates a covert communication earpiece, Interference Free Neckloop with built in microphone, and wired barrel PTT switch. The COV7 uses a technology called Vestigial Sideband Modulation to transmit audio signals over a short range from the Neck-loop without responding to power or data borne interference. This allows users to operate in areas of high electromagnetic noise without it being picked up by the earpiece.

This technology is unique in this type of device and not susceptible to eavesdropping, or external masking keeping communications secure and reliable.



The ergonomically designed earpiece can be worn discreetly for many hours without causing excess fatigue to the operative. The earpiece is totally immune to electromagnetic interference so users will not miss any instruction in a variety of complex electromagnetic environments. The system is especially suited for critical covert tasks, such as surveillance, close and VIP protection, and special operations.

Tone Generation

A Tone Generation feature is built into the system. This allows the user to communicate with colleagues using a series of button presses on the wireless PTT. This will generate a series of “beep beep” signals on the receiving radios. The user will also get the “beep beep” signal in their wireless earpiece so they have confirmation of how many outgoing tones have been transmitted.

Press and keeping the PTT held down will transmit voice.

To activate the Tone facility press and release the PTT button. Subsequent presses of the PTT button will generate tones if pressed with 0.75 seconds of the first press. If the PTT button is not pressed a second time within 0.75 seconds the radio will revert back to standby mode.

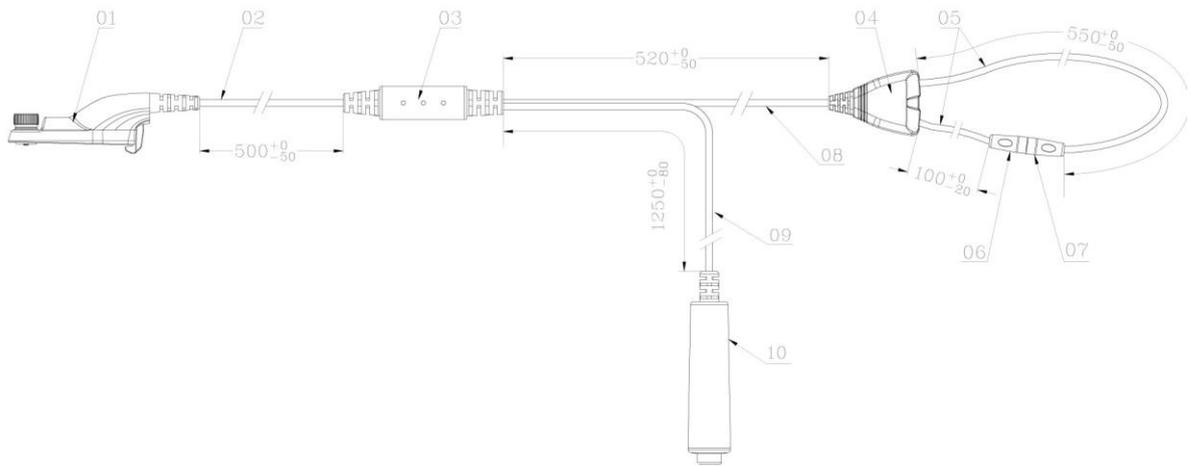
Product Features

- Beige colour designed to integrate into the crowd
- Digital filtering zero noise technique
- Intelligent noise reduction, and high quality voice recognition
- Ergonomic design
- Low battery warning
- Discrete barrel style PTT switch
- Tone Generation facility
- Quick disconnect Neckloop design for user safety

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PRODUCT DRAWING



Technical Specifications

Covert Wiring Harness

Microphone type:	Omni directional electret
Microphone frequency response:	100Hz – 10kHz
Operating temperature	-10 c / +60 C
Weight	95g
Cable lengths	Radio connector to transition box 65cm (+/- 3cm)
	Transition box to Neckloop housing 74cm (+/- 3cm)
	Transition box to PTT switch 74cm (+/- 3cm)

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Neckloop circumference	65cm (+/- 3cm)
Colour	Beige cable
Neckloop design	Safety quick release
Connector	Radio specific
CE conformity	89/336/EWG Electromagnetic Compatibility
ROHS & WEE ROHS	Compliant, WEE Compliant
Earpiece	
Frequency range	300-3000Hz
Distortion	<3% @ 1kHz
Maximum sound pressure level	103 dB
Receiver:	Magnetic
Typical battery life	80 hours (5% Tx, 5% Rx, 90% idle conditions)
End of battery life:	Audible bleep
Battery type	1.4 VDC (A10 Zinc Air)
Min operating voltage	1.1 VDC
Amplifier	Digital Hybrid with custom hardware + firmware
Weight	1.2g
Wax filter type	Replaceable mesh filter
Colour options	Beige, mid brown, dark brown
CE conformity	89/336/EWG Electromagnetic Compatibility
ROHS & WEE ROHS	Compliant, WEE Compliant

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