



THE WORLD'S SMALLEST
TOUGHEST DUAL RADIO HEADSET
WITH WIRELESS PTT



The Eagle Duo

The **Eagle Duo** combat headset allows for dual radio/intercom communications capability. Waterproof, light and indestructible the Eagle Duo is supplied with both a wireless PTT and an inline PTT for back-up. The Eagle is available with a range of optional accessories that permit rapid configuration to meet the demands of ever-changing mission needs.



- ▶ Lightweight and Remarkably Comfortable – No physical contact with user's face and comfortable to use in hot and humid climates.
- ▶ Headband Configuration – Designed to be worn under virtually any helmet. The headband keeps sweat out of the user's eyes and allows for continuous communication even when the helmet is removed.
- ▶ Helmet Clip Configuration – An innovative clip allows rapid attachment of the Eagle headset to a variety of equipment.
- ▶ Noise Protector – Detachable silicon noise protector/ear cup enhances comprehension and offers noise protection.
- ▶ Acoustic Tube – In-the-ear module provides enhanced communication intelligibility and prevents sound leakage in covert operations (inaudible at a distance of 20 inches).
- ▶ Versatility – The wireless PTT can be handheld, attached to a steering wheel, a motorcycle handlebar or provided with Picatinny Rail attachment. Its transmission range is 20 feet.
- ▶ Dependability – Inline backup PTT.



CUT THROUGH THE **CHAFF**™

SILYNX
COMMUNICATIONS, INC

The Eagle Duo

CHAFF



Optional Configurations and Features:

- Maritime Eagle – 28 meter submersible headset. Specifically designed for Naval Commando units. Attaches directly to the Maritime AN/PRC 148 (MBITR) and Oyster waterproof radio bag.
- Urban Eagle - A single radio headset with dual PTT system.
- Urban Eagle Ring PTT - Single radio headset with wired ring PTT. Allows hands free operation while shooting, driving and performing other tasks.



Electroacoustic

Audio Frequency Spectrum:	300 to 3500 Hz
Audio Acoustical Output:	>90 dB SPL at 1.5 cm from the speaker when a 5V PTP 1 KHz tone applied
Mic. Frequency:	300 to 3500 Hz
Mic. Audio Level:	5mVrms with 1 KHz, 103 dB SPL acoustic signal
Current:	No more than 2mA of current from the radio
Dynamic Mic. (Optional):	Require no power

TECHNICAL SPECIFICATIONS

Reliability

MTBF:	5,000h (MIL-HDBK-217F and MIL-STD-756b)
Cable's Pulling:	~9kg for 30 minutes
Cable's Bending:	250,000 bendings
Drop:	6 times from 1 meter onto concrete
Vibrations:	ANSI/TIA/EIA-603-1992
Safety:	No direct path of current to the user from the radio, no arcs or sparks during normal operation

Physical Data

Weight: < 255 gr (without connector)

Environmental

	(MIL-STD-810F)
Operating Temperature:	-31°C to +65°C
Storage Temperature:	-33°C to +71°C
Humidity:	95% at 60°C (MIL-STD-810F)
Immersion:	2 meter for 120 minutes

Peripheral

Controls:	Normally open PTT switch
PTT Durability:	More than 500,000 pressings
Finish:	Lusterless black
Connectors:	Customer defined
Available Accessories:	Headband, helmet hanger, information protector, acoustic tube, MBITR side connector



* Specifications are subjected to change without notice.

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