

H2OPS[®]

MODULAR HEADSET SYSTEM

TACTICAL

MARCH 2014



OVERVIEW

The H2OPS, leveraging combat-proven C4OPS technology, provides full-spectrum active noise reduction (ANR), multi platform intercom interoperability, enhanced hear thru capability, and sound localization for complete situational awareness.

SMART - In-Ear Hearing Protection / Enhancement Headset

VERSATILE - Modular and software upgradeable / interoperable with majority of radios and intercom systems

EASY - MMI / Voice feedback

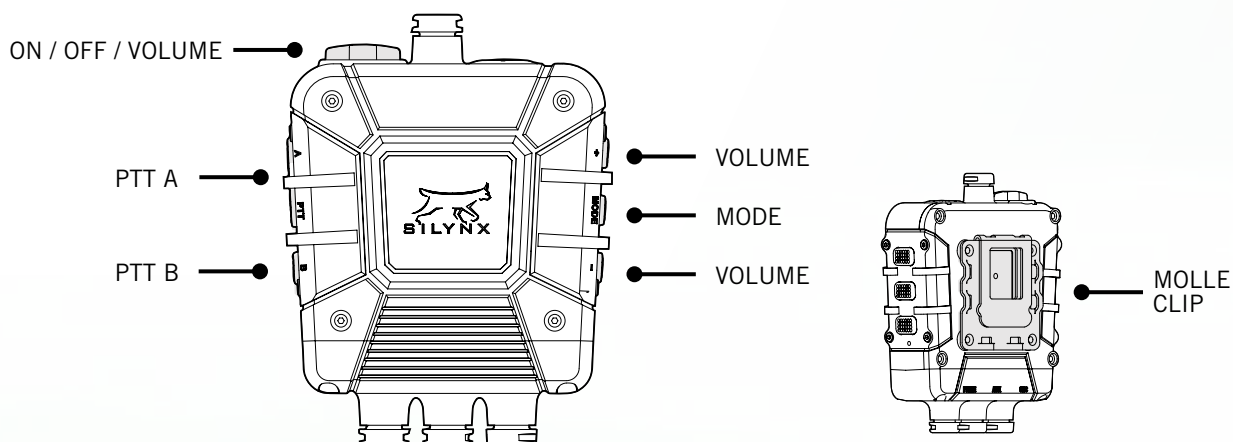
TOUGH - 20m Immersible

DWPTT - Dual Wireless Push-to-Talk



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SYSTEM



TECH SPECS

Acoustical Response

Speaker Frequency Spectrum.....	60 to 14000 Hz
Sound Pressure Level.....	> 115 dB
Audio Input Type.....	Single-Ended
Max Audio Input Level.....	3V p-p 60 Hz to 9000 Hz
Audio Output Type.....	Single-Ended
Audio Output Level.....	> 3mVrms, 600Ω

Hear-Thru System

Sound Localization.....	360° hear-thru
	±18° error for continuous duration sound
	±41° error for short duration sound
Noise Reduction Ratio (NRR).....	22
Impulse Noise Threshold	95 dB
Impulse Noise Attack Time.....	< 0.1 ms
Impulse Noise Insertion Loss for Blasts 150-190 dB.....	45 dB (average)

PC Programmer

OS Support.....	MS Windows XP, Vista and 7
Interface.....	USB, Serial

Battery Life Expectancy

Radio dependent	
Dual Wireless PTT.....	1 year for 3.6V 1/2 AA Lithium

Environmental

Operating Temperature.....	-31°C to +70°C
Storage Temperature.....	-40°C to +75°C
Humidity.....	-95% at an ambient temp range +30°C to +60°C
Altitude.....	40,000ft
Immersion (Control Box).....	20m for 2hr
Immersion (In-Ear Headset).....	1m for 2hr / 2m for 30min

Dimensions

Control Box w/ Battery.....	2.91in (W) x 3.74in (L) x 1.4in (H)
Dual Wireless PTT.....	1.50in (W) x 2.91in (L) x 1.14in (H)

Weight

Control Box	236g
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**Specifications are subject to change without notice.*

