

# H2OPS<sup>®</sup>

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

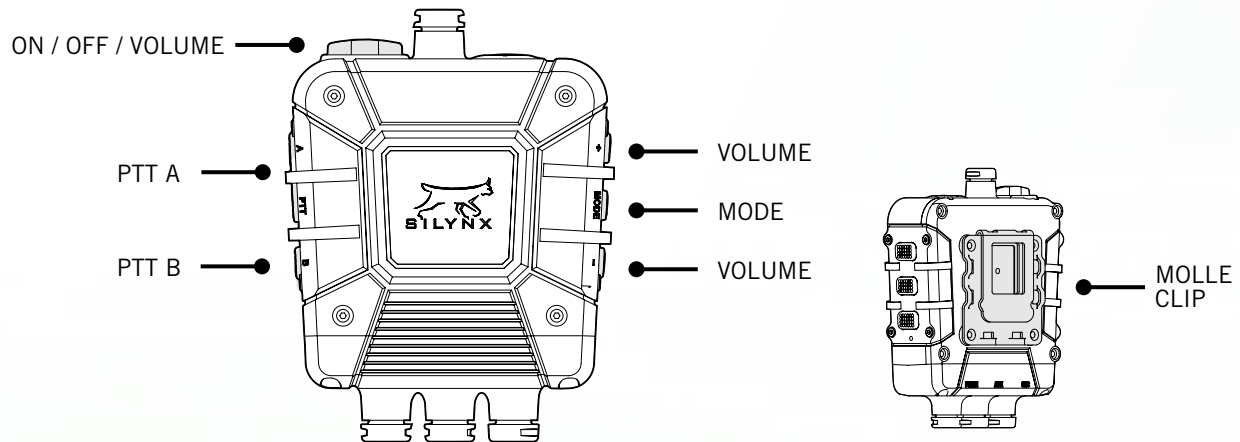
**TOUGH** - 20m Immersible

**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.*

