

SILYNX

CLARUS™

SMART TACTICAL HEADSET SYSTEM

TACTICAL

MARCH 2014



OVERVIEW

CLARUS is the world's smallest and lightest tactical headset system. The CLARUS simplifies the user's operation and accessibility to the PTT switches on the miniaturized control unit.

CLARUS provides passive and steady state noise control, with electronic hear-thru, in both noisy and normal environments. It provides intercom interoperability, clear communications, and sound localization for full situational awareness.

SMART - High impact noise protection

VERSATILE - Supports full duplex radio and dual radio capabilities

EASY - Voice prompt feedback

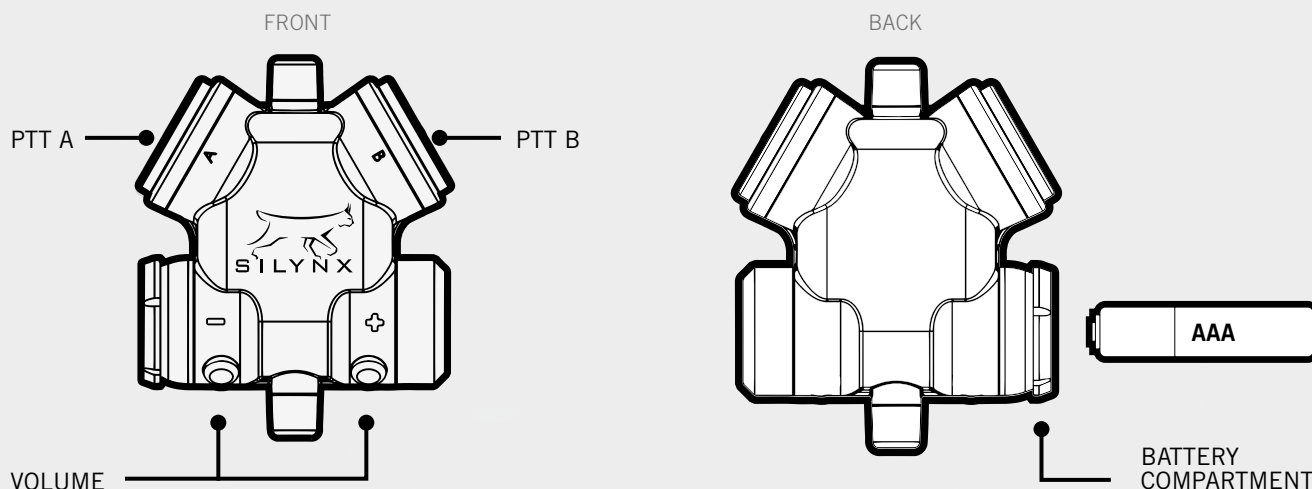
TOUGH - Light weight, 20m immersible, and highly durable



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SYSTEM

CLARUS Smart Tactical Headset System



TECH SPECS

Acoustical Response

Speaker Frequency Spectrum..... 60 Hz to 10,000 Hz
 Sound Pressure Level..... > 115 dB
 Max Audio Input Level..... 3Vp-p
 Microphone Frequency Range..... 60 Hz to 9,000 Hz
 Audio Input Type..... Single-ended or Differential
 Audio Output Level..... > 3mVrms, 600Ω

Hear-Thru System

Impulse Noise Protection
 Extended Sound Localization

PC Programmer

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

Battery Life Expectancy

Internal..... 40 Hours AAA
 Powered from radio at 5V, 8mA

Environmental

Operating Temperature..... -40°C to +72°C
 Storage Temperature..... -40°C to +72°C
 Humidity..... 95%
 Immersion (Control Box)..... 20m for 2hr
 Immersion (In-Ear Headset)..... 1m for 30min

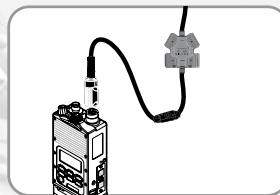
Tested to MIL-STD-810F

Dimensions

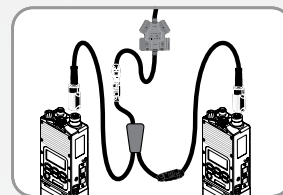
Control Box 2.2in (W) x 2.1in (L) x 1.1in (H)

Weight

Control Box..... 115g (excluding battery)
 Headset..... 41g



Single lead interchangeable
radio connection



Dual radio config interchangeable
radio connection

**Specifications are subject to change without notice.*

