



CLARUS II

SMART TACTICAL NOISE
PROTECTIONS HEADSET SYSTEM



TWO MICROPHONE MODES

LEAK TEST TO ENSURE PROPER SEAL

PROPRIETARY IN-EAR MIC. & NOISE PROTECTION

SILYNX "TALKING FROM THE EAR"

SINGLE OR DUAL COMMS

ENHANCED SUPER HUMAN HEARING

SUPPORTS FULL DUPLEX AUDIO

IP68 WATERPROOF

PLUG AND PLAY SIMPLICITY

PRE-RECORDED MESAGES

BUILT IN INTERCOM PTT



OVERVIEW

CLARUS II Smart Tactical Headset System

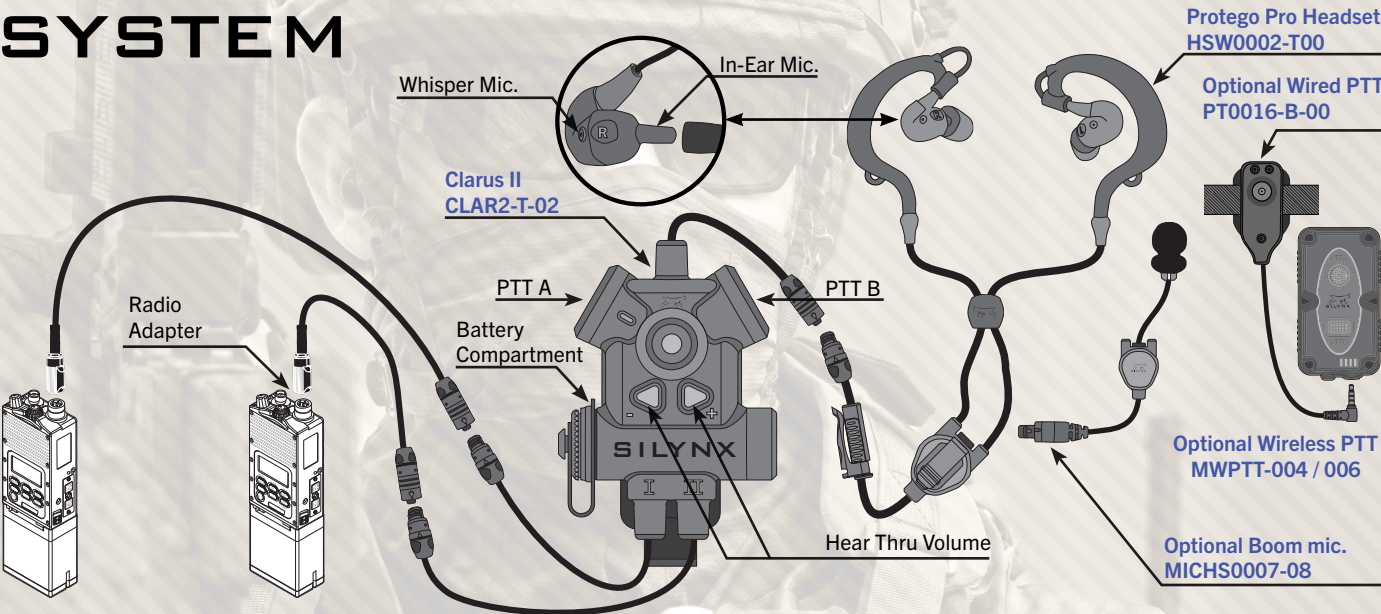
The CLARUS II is a rugged, lightweight, and highly adaptable tactical communication system featuring a built-in dual-radio interface and Silyn's proven In-Ear technology for clear, secure, and reliable communications in any environment. Engineered for modern multi-network operations, CLARUS II enables operators to control up to three independent networks through its intuitive three-PTT architecture, offering advanced capability without added bulk or cable complexity.

Powered by Silyn's proprietary "Talking From The Ear" microphone technology, CLARUS II provides exceptional voice clarity in high-noise environments, while integrated environmental microphones and Hear-Thru™ enhancement deliver natural situational and directional awareness. The system's In-Ear design ensures superior hearing protection and consistent intelligibility in all conditions.

Automatic Leak Test verifies proper earbud sealing for optimal performance and hearing protection, giving users instant confidence before entering demanding operational scenarios. Internally epoxy-molded and fully waterproof, CLARUS II is built to withstand extreme environments and prolonged field use. It operates using radio power or a single AAA battery, offering flexibility for extended missions.

CLARUS II is fully compatible with tactical radios, smartphones, intercom systems (ICS), and Silyn's wireless weapon-mounted or chest-mounted PTTs. With minimal cable clutter, superior clarity, and advanced multi-network control, CLARUS II delivers the operational efficiency and reliability required by today's tactical professionals.

SYSTEM



TECH SPECS

Acoustical Response

Speaker Frequency Spectrum	60 Hz to 15,000 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
NRR	30dB

Hear-Thru System

Impulse Noise Protection
Enhanced hearing & Sound Localization

Control System

Sound sealing test
Audio user messages
Right or left ear network allocation

Environmental

Operating Temperature	-40°C to +72°C
Storage Temperature	-40°C to +72°C
Humidity.....	95%
Immersion (Control Box)	10m for 30min
Immersion (In-Ear Headset)	1m for 30min

Tested to MIL-STD-810G

Dimensions

Control Box.....	2.5in (W) x 3.5in (H) x 1.2in (D)
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Weight

Ear Bud	5g
Control Box.....	153 (excluding battery)
Headset.....	70g

Battery Life Expectancy

Internal AA.....	90 Hours
Powered from radio at 5V, 8mA	

*Specifications are subject to change without notice.