



CLARUS I

SMART TACTICAL NOISE
PROTECTIONS HEADSET SYSTEM



**WORLD'S SMALLEST & LIGHTEST TACTICAL SOUND
PROTECTION HEADSET**

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 WATER PROOF

PLUG AND PLAY SIMPLICITY



OVERVIEW

CLARUS I Smart Tactical Headset System

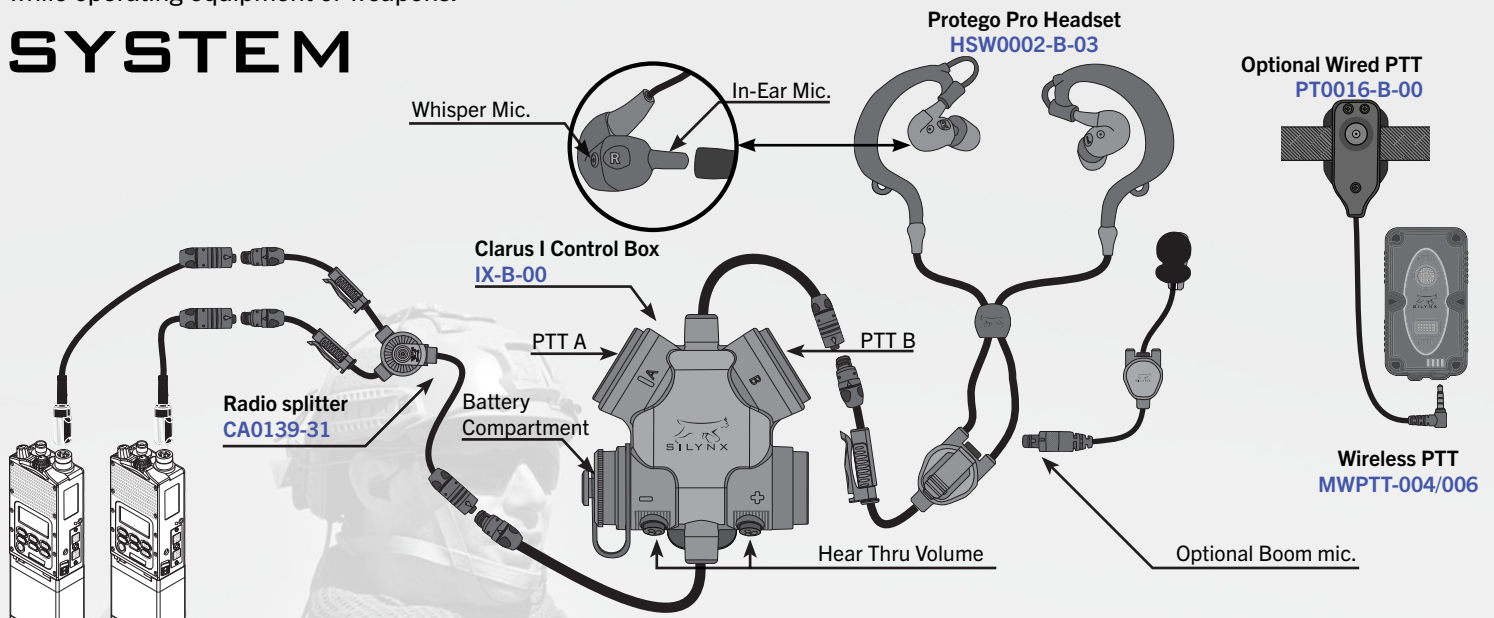
The CLARUS I Single/Dual In-Ear headset system is the world’s smallest, lightest, and most rugged in-ear sound-protection communication solution, designed for demanding operational environments. Engineered for modern SDR multi-network operations, CLARUS I supports control of up to two independent communication networks through an innovative design that enables single- or dual-cable, two-network configurations using a unique radio splitter architecture.

The CLARUS I system integrates advanced passive sound protection with SilynX proprietary technologies, including Talking From The Ear, HearThru, Sound Leak Test, Microphone Whisper Mode, Drone Detection, and other advanced tactical audio features. Together, these capabilities deliver industry-leading speech intelligibility, exceptional audio clarity, and enhanced tactical performance—improving user safety, situational awareness, and mission effectiveness.

CLARUS I features an ambidextrous, ergonomic design for intuitive operation, comfort, and reliability during extended wear. Manufactured using SilynX MIL-STD proprietary production processes, it is built to withstand extreme environments and severe operational abuse, ensuring exceptional durability and long-term reliability.

The system draws power from the communication device or a single AAA battery, enabling device agnostic use and extended standalone operation. It is fully compatible with tactical radios, smartphones, satellite communication devices, dismantled intercom systems (ICS), and third-party communication gear. An optional wireless Picatinny-mounted module allows weapon, shield, or vehicle mounting, ensuring uninterrupted communication while operating equipment or weapons.

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

*Specifications are subject to change without notice.

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.....	2.2in (W) x 2.1in (L) x 0.9in (H)
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Weight

Ear Bud	5g
Control Box.....	119g (excluding battery)
Headset.....	70g

Battery Life Expectancy

Internal AAA	48 Hours
Powered from radio at 5V, 8mA	