



CLARUS DUAL

SMART TACTICAL NOISE
PROTECTIONS HEADSET SYSTEM



**WORLD'S SMALLEST & LIGHTEST TACTICAL
HEADSET SYSTEM**

**SILYNX PROPRIETARY IN-EAR HEADSETS AND
NOISE PROTECTION**

SINGLE OR DUAL COMMS

ENHANCED SUPER HUMAN HEARING

SUPPORTS FULL DUPLEX AUDIO

20M IMMERSIBLE CONTROL BOX

PLUG AND PLAY SIMPLICITY

INTERNAL AAA BATTERY



OVERVIEW

CLARUS DUAL Smart Tactical Headset System

The CLARUS DUAL In-Ear headset is the world’s smallest and lightest dual-comms tactical radio/comms headset system.

The low-profile CLARUS DUAL provides active, combat-proven hearing protection and reliable, clear communications.

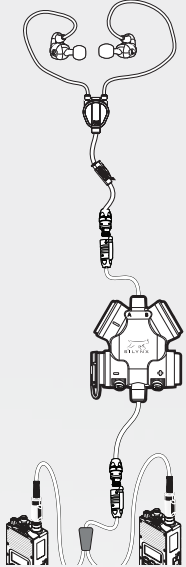
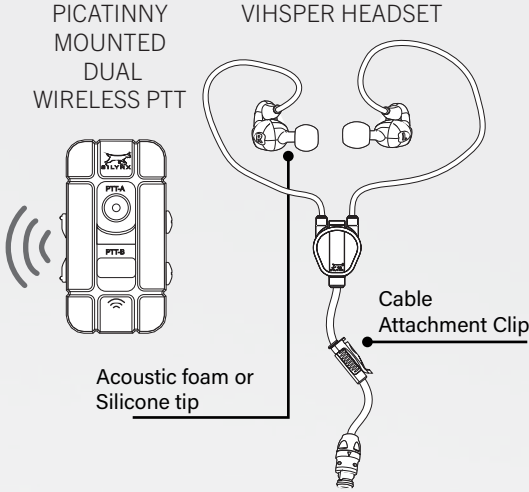
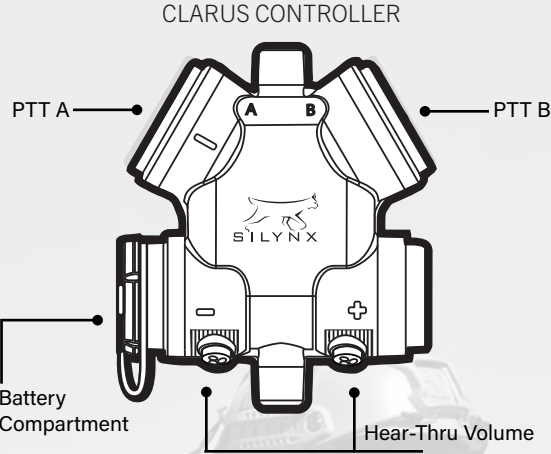
Utilizing Silynx In-Ear sound protection technology, users are empowered with Hear-Thru superhuman hearing and noise protection from both impulse and steady-state noise, while maintaining full situational and directional awareness.

These qualities upgrade the capabilities of an infantry warrior, improve information sharing during combat and thus - operational effectiveness.

The CLARUS DUAL IN-Ear system is extremely rugged, fully waterproof, simple to use, reliable, and ergonomically designed for comfortable long, continuous usage powered by the radio device or replaceable batteries.

CLARUS DUAL system supports single or dual comms and is compatible to all tactical radios, smart phones, and intercom systems (ICS) as well as Silynx’s wireless, weapon mounted PTT, and parachuting finger PPT - for special forces configurations.

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
- Enhanced hearing & Sound Localization

Control System

- Sound sealing test.
- Audio user messages
- Right or left ear network allocation
- Network mute option

Environmental

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

Tested to MIL-STD-810F

Dimensions

Control Box 2.2in (W) x 2.1in (L) x 0.9in (H)

Weight

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

Battery Life Expectancy

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

**Specifications are subject to change without notice.*