



# 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 MESSAGES**

**BUILT IN INTERCOM PTT**





# OVERVIEW

## CLARUS II Smart Tactical Headset System

The CLARUS II Dual/Triple In-Ear communication headset system is a rugged, lightweight, state of the art tactical hearing protection solution designed for demanding operational environments. Engineered for modern multi-network operations, CLARUS II supports SDR devices and enables control of up to three independent communication networks through an innovative three-PTT architecture, including a built-in intercom system (ICS) PTT for dismounted operators.

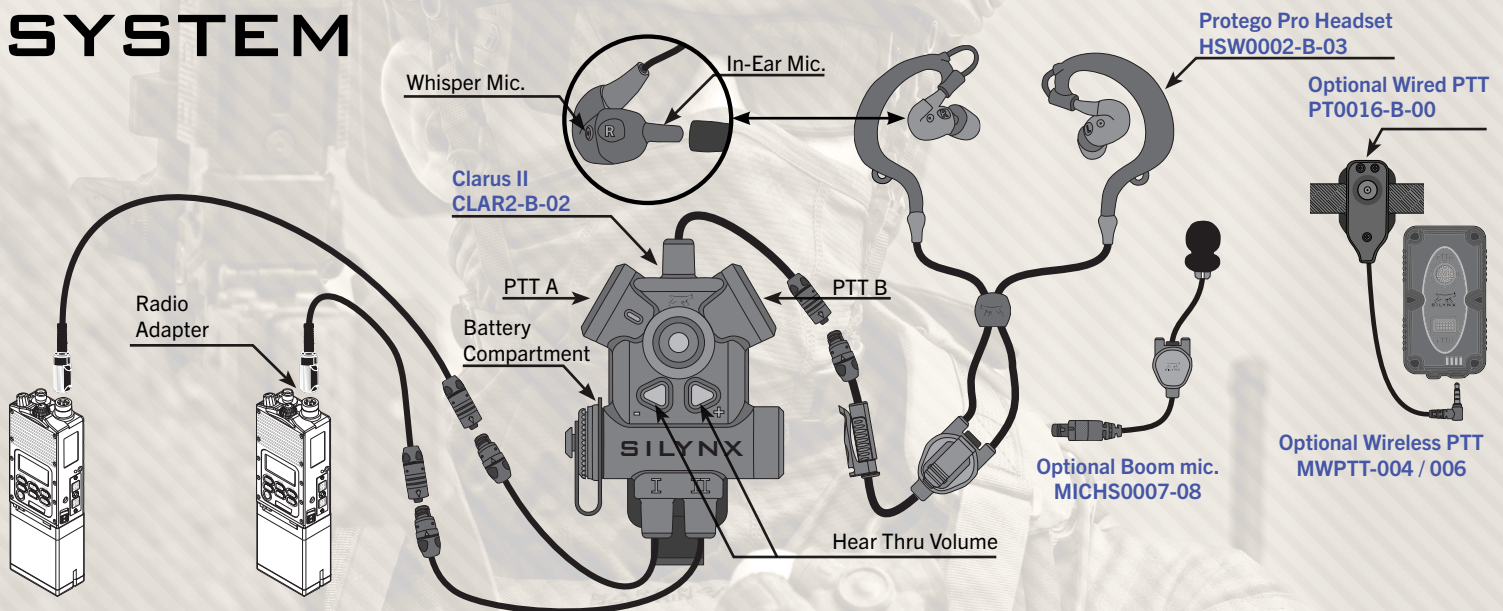
The CLARUS II system delivers advanced passive sound protection combined with Silyn timer proprietary active technologies, including Talking From the Ear, HearThru, Sound Leak Test, Microphone Whisper Mode, Pre-Recorded Messages, Drone Detection, and other unique features. Together, these capabilities provide industry-leading speech intelligibility, exceptional audio clarity, and enhanced tactical functionality—improving user safety, situational awareness, and mission effectiveness.

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

CLARUS II draws power from the communication device or a single AA battery, enabling device-agnostic use and extended standalone operation. It is compatible with tactical radios, smartphones, intercom systems (ICS), and satellite devices 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

## Dimensions

*Tested to MIL-STD-810G*

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	