

## CLARUS

### Smart Tactical headset system

CLARUS is a miniaturized headset control unit connected to a radio.

The CLARUS is designed to simplify the user's operation and accessibility to the PTT switches using a miniaturized control unit.

The system allows passive and active noise control in both noisy and normal environments while ensuring clear communications.

It provides intercom interoperability, clear communication and sound localization for full situational awareness.

#### Features:

- Support full duplex radio.
- Voice prompt feedback.
- Noise compression and high impact gunshot protection.
- Light weight, water proof and high durability.
- Dual radio capabilities.
- Fully automated.
- AAA Battery / Radio powered. (Low power consumption).
- Stereo support.
- Direct / Interchangeable radio connector.
- Colors: Black / Desert Tan.





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### Specifications



Dual PTT control unit  
(AAA Battery)



Environmental volume  
hearing control (Off /  
Normal / Super normal  
hearing)



Side view

#### Acoustical Response

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

#### Hear-Thru System

Extended Sound Localization 360° hear-thru  
Impulse Noise Protection  
Noise Reduction Ratio (NRR) 25 (ANSI S3.19-1974)  
Impulse Noise Threshold 87 dB (adjustable)  
Impulse Noise Attack Time <0.1 ms  
Impulse Noise Insertion Loss for Blasts 150-190 dB.....45 dB (average)

#### Power

Powered from an internal 1.5V AAA battery, >48hrs operation /  
Powered from radio @5V, 8mA

#### Environmental

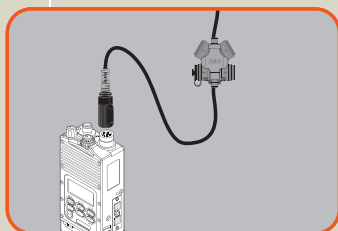
Designed to withstand harshest condition. Tested per MIL-STD- 810G.  
Operation Temperature: -48°C to +72°C  
Storage Temperature: -48°C to +72°C  
Humidity: 95%  
Immersion: IP68 (2m)

#### Dimensions

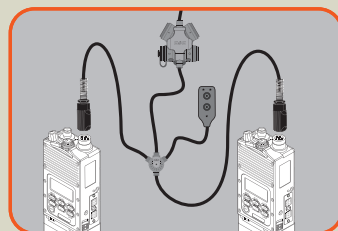
Control Unit: 4.5 cm (W) X 5.5 cm (L) X 2.3 cm (H)

#### Weight

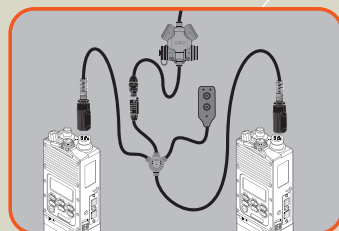
Control Box: 140 g (including battery)  
Headset: 50 g



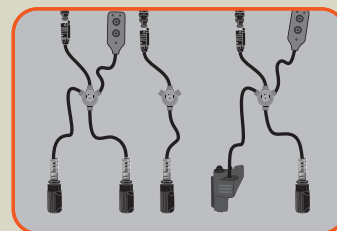
Dual Chest PTT 6 pin Audio  
connector (Rifleman)



Dual radio config. Wired PTT



Dual radio config wired PTT  
interchangeable radio connection



Multi radio adaptors config.  
Single / dual radio

