



## Revision's SenSys ComCentr2 Tactical Headset System

**THE SENSYS COMCENTR2™ TACTICAL HEADSET SYSTEM** offers sensory enhancing performance for the operational warfighter by integrating advanced electronics and software into a sleek, comfortable and user-focused design.

Combining technological advancements in tactical communication and hearing systems, the headset improves command, control and communication. This ensures dismounted close combat warfighters are able to detect vital battlefield sounds in a noise cluttered environment while enabling mission-critical communication. Active Noise Reduction (ANR) technology mitigates low frequency noise generated by vehicle platforms, while 360° situational awareness and 3D sound localization enhance engagement with the environment.



*Ear cups afford a comfortable fit and minimize pressure points.*



*Form factor of HID enables switching between radios and adjusting volume on the run.*

### KEY FEATURES

**ACTIVE NOISE REDUCTION (ANR)** – Reduces distracting high volume, low frequency noise to protect hearing, prevent fatigue and improve communication. ANR goes beyond simple noise limiting and active hearing protection offered by currently fielded headsets.

**360° SITUATIONAL AWARENESS** – Controlled by upgradable software, the circumaural headset offers full coverage provided by 2 forward facing and 2 rear facing microphones, enabling true directional sound and improved command and control.

**3D SPATIAL COMMUNICATIONS** – Enables users to hear vital communications as they would in the real world. Sophisticated 3D audio processing allows for natural feeling speech as if someone was standing to the user's left or right, reducing cognitive burden and improving intelligibility.

**HUMAN INTERFACE DEVICE (HID)** – Enables quick switching between radios and volume adjustment without being distracted from the mission. Dongle system attaches to the HID to allow for a wide range of communications devices to be used.

**ELECTRONICS IN EARCUPS** – Allows full audio enhancement even when the wearer dons only the headset without the HID as a standalone device.



Can be worn over-the-head or rail-mounted depending on preference.



- Headset compatible with legacy Push-to-Talk (PTT) devices
- Requires only 1 AA battery in ear cup
- Easy transition from headband to rail mount
- Various dongles allow for multiple types of radios to be connected to the Human Interface Device

**DIGITAL USB COMPATIBLE** – Increases speech intelligibility and enables plug-and-play with devices and computers, and eliminates product obsolescence that would otherwise occur from the introduction of next generation digital radios and systems.

**SOFTWARE UPGRADEABLE** – Allows upgrade path for technological improvements and customization for each user, eliminating product obsolescence.

**EQUIPMENT COMPATIBILITY** – The headset integrates with head protection equipment, including military helmets, eliminating the need to upgrade equipment or make trade-offs.

**MODULAR SYSTEM** – Can be worn over-the-head or rail-mounted to accommodate varying methods of wear depending on user preference and headborne equipment.

**HEARING PROTECTION** – The headset is both a tactical over-the-ear comms system and hearing protection device in one; mitigating the risk of auditory impairment and eliminating the need for special fitting by audiologists.

## TECHNICAL SPECIFICATIONS

<b>ACTIVE NOISE REDUCTION</b>	World leading digital active noise reduction (ANR) provides up to 18dB extra noise protection against the hazardous military low frequency noise
<b>SITUATIONAL AWARENESS (SA)</b>	4 microphones providing true 360° audio detection
<b>SITUATIONAL AWARENESS QUALITY</b>	High dynamic range/low noise microphones provide high fidelity situational awareness
<b>LATENCY TEST</b>	Instantaneous electronic situational awareness
<b>CONTROLS</b>	Controls on left ear cup adjust sound
<b>EVENTUALLY SMARTPHONE APP CONTROL</b>	USB Class Compliant Interface for both audio and configuration control
<b>POWER SOURCE</b>	1 x AA battery in ear cup for up to 100 hours of continuous use
<b>CENTRAL PROCESSING UNIT</b>	State-of-the-art low noise, low power digital platform
<b>WATER IMMERSION</b>	3.28 ft (1 meter) for 2 hours
<b>OPERATING TEMPERATURE</b>	Full Spectrum: -40F to 140°F (-40 to +60°C) Storage: -70F to 160°F (-57 to +71°C)
<b>ELECTRO MAGNETIC COMPATIBILITY</b>	Radiated Susceptibility above 50v/m
<b>CONNECTIONS/DOWN-LEAD</b>	Attachable down lead hardwired into PTT or Standalone USB Usage
<b>COMMUNICATION MICROPHONE</b>	Modular ambidextrous noise cancelling boom mic. Can be completely removed from headset to use as basic hearing protection
<b>INTERFACE OPTIONS</b>	Headband or rail mount option for maximum flexibility
<b>CONNECTIVITY OPTIONS</b>	U-329/U Female connector (to mate with U328/U Male on the radio), custom analogue interfaces, USB Audio (PC, Android) Enable AN/PRC 117F and 117G, 148 MBITR, 152, as well as most military radios Medical cable for heartbeats Intercom AUX jack for smart phone, MP3 LINK 16 Radio – PRC 161 Rifleman Radio PRC 154
<b>ADDITIONAL OFFERINGS IN PACKAGE</b>	Rotary wing plug Robust AUX chord for smart phone, MP3

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