



CHELTON

# AN/VIC-5<sub>v2.0</sub>

Flexible Vehicle Intercom System | IP Enabled and Software  
Defined Core for increased capability and functionality

[chelton.com](https://chelton.com)





# Building on success

Mission critical platforms require a Vehicle Intercom System that provides high reliability to allow the crew to fight their platform under all circumstances, even after battle damage has been sustained.

Chelton's modular approach to VIS provides customers with a complete capability across a wide spectrum of platform types and functions; ranging from light vehicles to heavy armor and command centres enabling safe, secure, fast and reliable voice and data communications. The reliability and quality of Chelton's VIS is second to none and the solid foundations we have built on previous systems has been used to create AN/VIC-5- the next generation system.

AN/VIC-5 retains the base features of other VIS in the Chelton family and uses the same form factor, cable assemblies and mounting points to create a truly backwards compatible system.

## AN/VIC-5 v2.0 Features

- ✓ 20 users/16 radios
- ✓ Resilient TDMA architecture
- ✓ No single point of failure
- ✓ VoIP / SIP call support (including REDCOM Sigma and Cisco Unified Communications Manager)
- ✓ CNR remote control
- ✓ Reduced box count and small footprint options for light vehicles
- ✓ Automatic detection of Binaural (Split-Phone) / Monaural headsets upon connection.
- ✓ Network radio support
- ✓ Radio cross-banding
- ✓ Selective calling



## The Reliable Choice

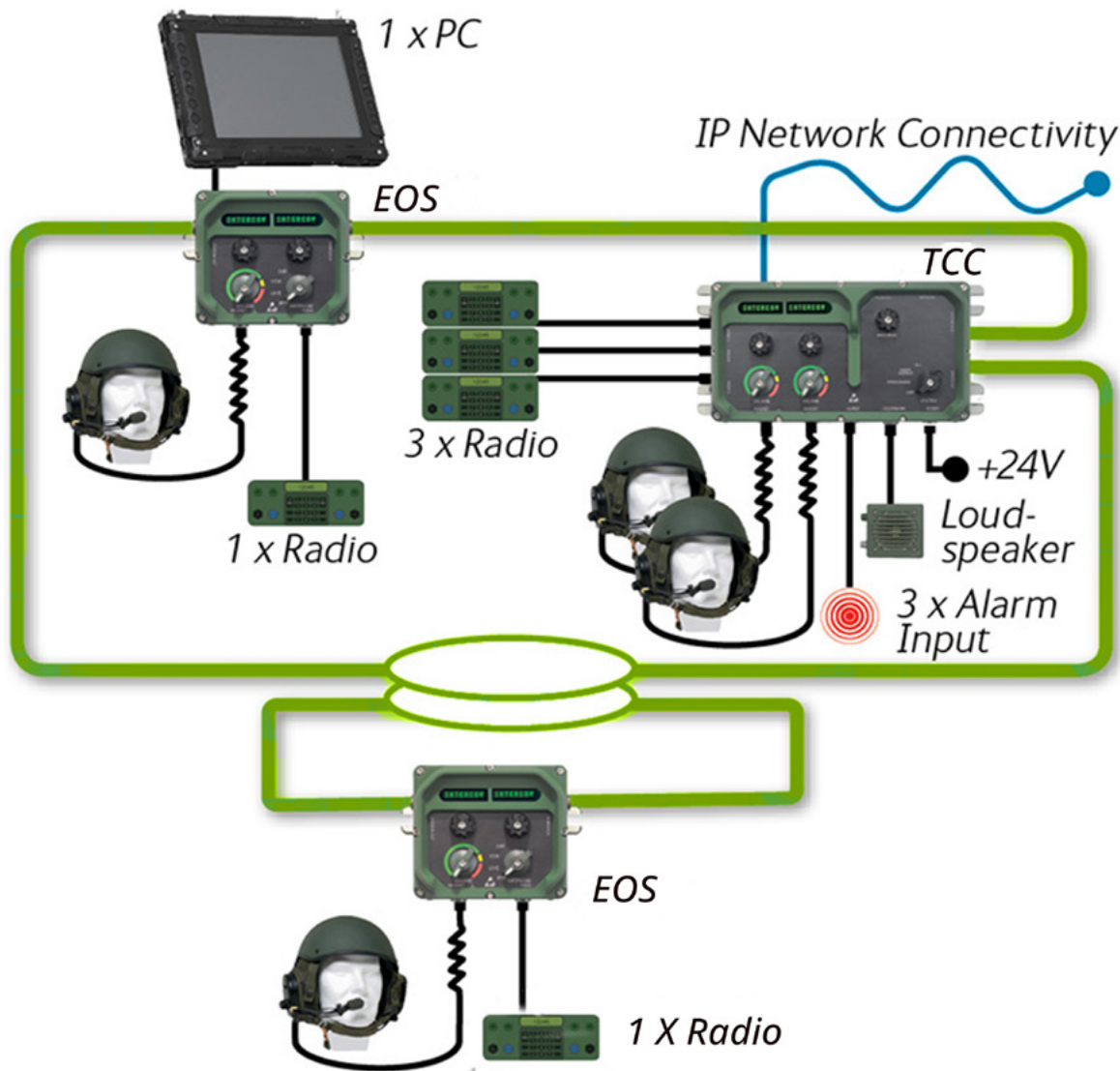
The resilient ring architecture of Chelton's AN/VIC-5 system provides dual paths for both signal data and power. With in-built dual redundancy, extra reliability is available in the unlikely event of electronic or battle damage.

### Architecture

The flexible system architecture allows the intercoms to be scaled to meet the audio/voice communications needs of a wide range of platforms; from ground combat vehicles to light vehicles, as well as watercraft. The intercom's extensive connectivity enables it to connect with IP based and legacy radios, as well as providing communications with the platform's wider C5ISR systems, via IP based and analogue audio streaming and SIP / VoIP calling.

### Compatibility

Offers backwards compatibility with AN/VIC-3 thanks to common architecture across the two VIS.



# What can Chelton offer?

Battle-proven Vehicle Intercom System specifically designed for effective and reliable Command and Control solutions.

## 1. Unrivalled performance

Reports obtained from front line users confirm a very high level of performance, reliability and availability.

## 2. Perfect for the present and the future

The system's modular nature provides cost effective enhancements and increased capability to meet current and future operational needs.

## 3. Robust Reliability

Our VIS are built and qualified to full military specifications with a high level of battle damage resilience. Not only are they tough, but they are easy to use even with gloves on!



# The AN/VIC-5 Suite

Increased capability and functionality for up to 20 crew members and 16 radios.

## Tactical Control Console

- ✓ Three radio ports with RS232 data
- ✓ Ethernet connection / IP network gateway
- ✓ Inter-vehicle connectivity
- ✓ BIT and fault monitoring
- ✓ NVG compatible displays
- ✓ Software upgradable in the field or remotely
- ✓ Alarms input, loudspeaker output and audio in/out



## Enhanced Operator Stations

- ✓ Single or Dual operator options
- ✓ Ethernet / RS232 for data transfer, SIP phone, PC and more
- ✓ NVG compatible displays
- ✓ Selective calling
- ✓ Live/Vox/PTT selection
- ✓ Noice-tracking Aox
- ✓ Selection of work/monitor radio



## Radio Interface Terminal

- ✓ Provides two radio ports
- ✓ With RS232 Data for remote radio control



# AN/VIC-5 "Mix and Match" System Architecture

		Crew Access		Radio Interface			Ancilliary Connections			
	Display	1	2	1	2	3	Power	L/S	Ethernet/ SIP	Alarms
TCC	✓		✓			✓	✓	✓	✓	✓
MCC	✓	✓		✓			✓	✓	✓	✓
IOS		✓							✓	
DOS			✓						✓	
EOS	✓	✓		✓					✓	
DEOS	✓		✓						✓	
RIT					✓				✓	

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