

A large, olive-drab military vehicle, the AN/VIC-3, is shown from a front-three-quarter view. It has a boxy, armored appearance with two large rectangular windows on the front. A circular insignia with the number '070' is visible on the front. The vehicle is equipped with a large, articulated boom on the right side that holds a rectangular array of six circular antennas. It has large, treaded tires and a heavy-duty front bumper with multiple lights. The background shows a hilly, grassy landscape under a cloudy sky.

CHELTON

AN/VIC-3

Battle-Proven Vehicle Intercom System | The workhorse of the Chelton intercom family

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

Chelton's VIS Family

Chelton's family of VIS is designed to provide effective and reliable Command and Control solutions for a wide spectrum of platforms and configurations including command centres and HQs.

Chelton is the world's leading manufacturer of Vehicle Intercom Systems (VIS), with over 150,000 systems in service around the world. Chelton has developed a family approach to VIS that provides the customer with a complete capability across a wide spectrum of platform types and functions, ranging from light vehicles to heavy armor and command centres. Reflecting the increased emphasis users are placing on IP connectivity, Chelton's new software defined VIS, known as the AN/VIC-5, provides significantly increased capability and functionality.



Chelton's success is based upon a clear understanding of customer needs and requirements, supported by the development of a highly flexible range of products. It is this strength of understanding that enables the company to offer solutions that can be tailored to fit specific platform configurations. With a high degree of interoperability between all Chelton's VIS, the family concept allows 'fitting for role' to provide cost effective solutions to meet current and future operational requirements.



Over 150,000 Vehicle Intercom Systems delivered to militaries across the world.

- ✓ Simple installation, set up and training
- ✓ Continuous automatic fault monitoring and warning
- ✓ Individual control over working radio selection
- ✓ Individual control over monitor radio selection
- ✓ Individual control over intercom access
- ✓ Individual volume control
- ✓ High quality external communications over Combat Net Radio (CNR)
- ✓ Battle-damage resilience
- ✓ High Reliability & Availability
- ✓ Low Life Cycle Costs

AN/VIC-3

Designed to the highest of military standards, AN/VIC-3 is the workhorse of the Chelton family of intercoms and is the go to fit for US Army medium and heavy armored vehicles

With simple installation and setup procedures, the AN/VIC-3 offers crew members full control of all aspects of their communication environment.

Mission critical platforms require a VIS that provides high reliability to allow the crew to fight their platform under all circumstances, even after battle damage has been sustained. AN/VIC-3 is the most battle-proven, reliable, military grade VIS available providing the three key functions to its users:

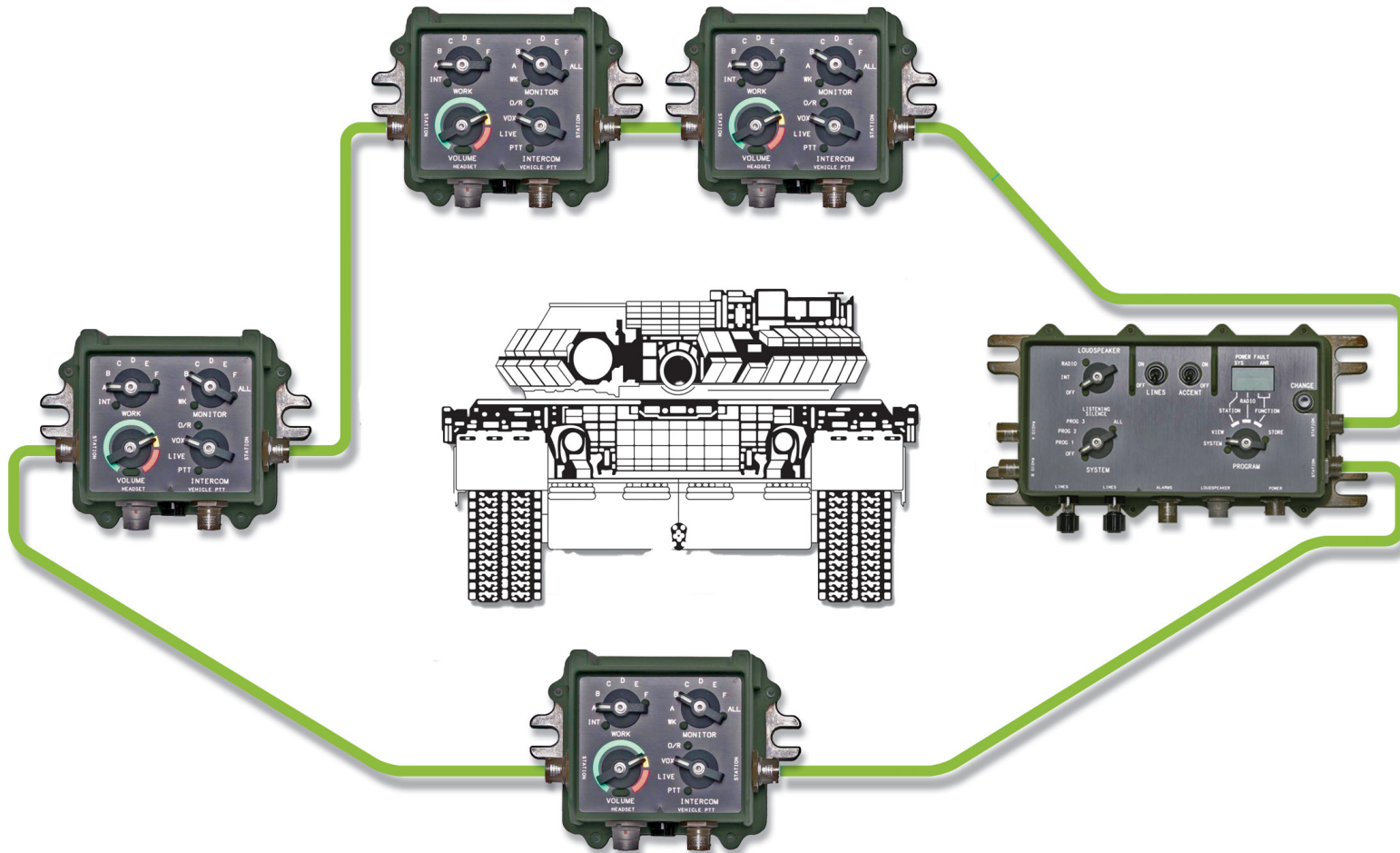
- The ability to fight the platform
- Provides high quality external communications over Combat Net Radio (CNR)
- A high level of battle damage resilience

AN/VIC-3 more than meets these key requirements, and does so under all operational environments. Reports obtained from user groups involved in active combat show that AN/VIC-3 far exceeds expectations for reliability and availability.



The Choice of Professionals

Chelton's AN/VIC-3 provides a user friendly, highly reliable system that will remain operational even when the going gets tough. With ease-of-use a key feature and a very high battle proven reliability, it is little wonder that the AN/VIC-3 is the first choice of professionals all around the world for light, medium and heavy platforms.



Architecture

The ring architecture of Chelton's VIS provides dual paths for both signal data and power. With dual redundancy in every unit, extra reliability is built into the system in the unlikely event of electronic or battle damage being sustained. Re-routing of power and data is fully automated and requires no user intervention.

Master Control Station (MCS)



The MCS provides protected and conditioned power to all modules within the system from a single 24V supply. Main features of the MCS include:

- Separate protected power for both system modules and ANR headsets
- Alarm Inputs
- Two wire field telephone connection
- Loudspeaker connection
- Three programmable modes for different operational scenarios
- Ability to allow or deny access levels to external CNR
- Two external radio ports
- Comprehensive BIT and fault monitoring
- Ring highway connection
- Display for programming and BIT

Full Function Crew Station (FFCS)



Designed for simplicity of use under all environmental conditions, the FFCS provides one user per crew station with the following key functions:

Separate protected power for both system modules and ANR headsets

- Selection of working radio
- Selection of monitor radio
- Volume control
- Selection of intercom access
- PTT operation
- Live Microphone
- Noise tracking dynamic VOX
- Emergency override

The preferred method of intercom access is VOX. With the highly successful adaptive noise tracking algorithm, used in all Chelton's VIS, the intercom is only activated when the crew member speaks.

Radio Interface Terminal (RIT)

Provides two additional Radio Ports per RIT.



- ✓ Full control of internal and external communications via the FFCS
- ✓ Up to six radios per system
- ✓ Up to six users per system
- ✓ Ring cable connection for alternative routing of signal data and power
- ✓ Built to full military specifications
- ✓ Key features de-centralised for improved reliability
- ✓ Modules can be combined with Chelton's other VIS

What can Chelton offer?

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

1. Unrivalled performance

Chelton vehicular intercoms are Battle Proven with exceptional performance, reliability and availability in extreme conditions.

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. Proper Tough

Our VIS are built 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!



Chelton's Footprint

We are the world's leading manufacturer of Vehicle Intercom Systems with over **150,000** in service across the world.

AN/VIC-3 has been designed for and installed on complex tracked vehicles such as MBTs, IFVs, APCs, as well as many other wheeled vehicle platforms.



