

A soldier in a vehicle wearing a helmet and sunglasses, with a rifle in the foreground.

CHELTON

Good things come in small packages

Light Vehicle Variant (LV2) Intercom Systems for
where space is at a premium

chelton.com

The professional system of choice

Built to the highest of military standards and proven in combat, LV2 is designed for use on light vehicles, but has also been used as a cost-effective solution on medium and heavy armoured vehicles. With small footprint modules, LV2 is ideal for platforms where space is at a premium.

"The quality of the products under this contract have exceeded all expectations. Reliability and availability data is estimated to be among the highest of any this office has seen for this type of system. Grading:- Exceptional."

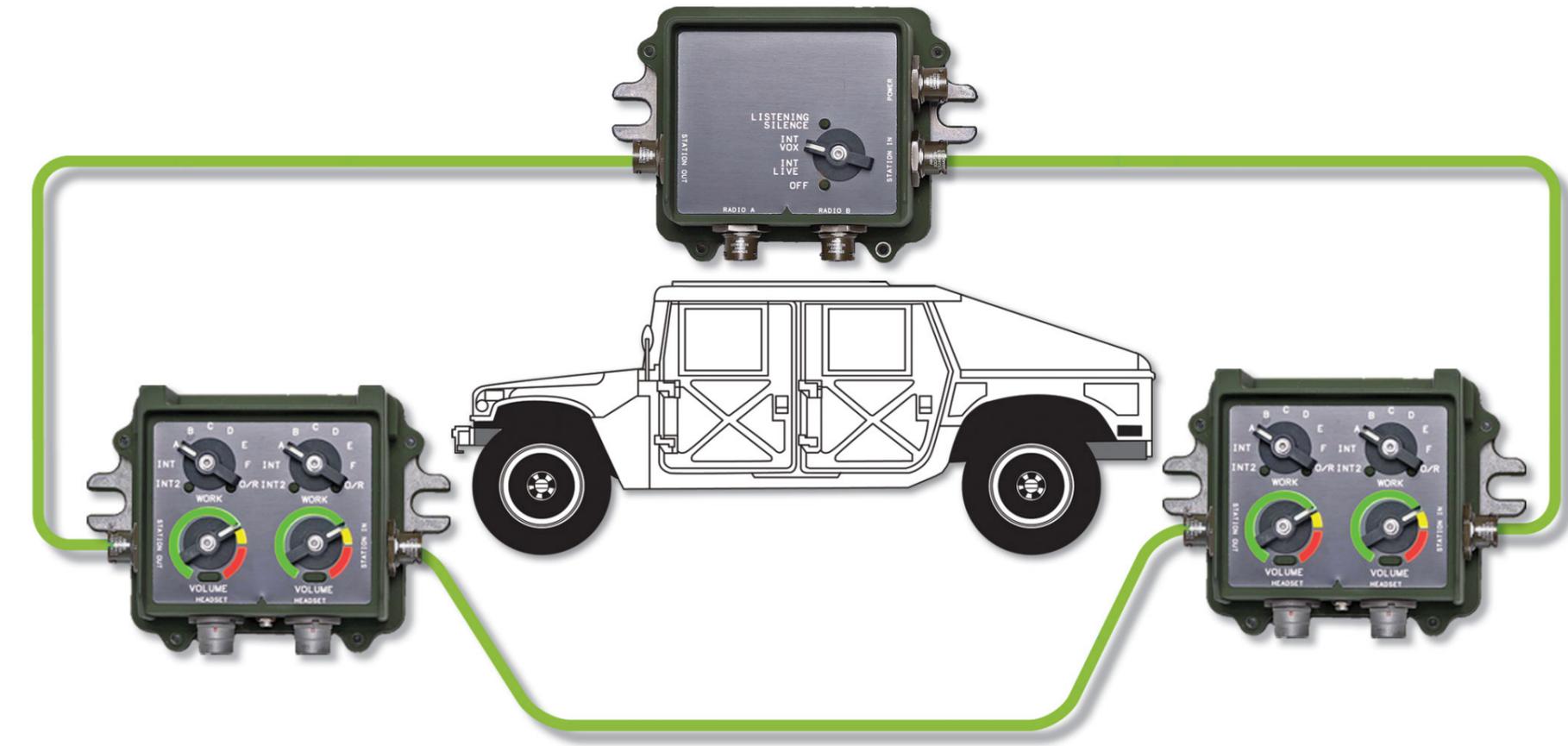
US DoD

- ✓ Simple installation and set up procedures
- ✓ Individual selection of working radio
- ✓ Monitoring of all radios
- ✓ Central control over intercom operating mode
- ✓ Individual volume control
- ✓ Optional second intercom channel
- ✓ High quality external communications over Combat Net Radio (CNR)
- ✓ Battle-damage resilience

Modular VIS for additional functionality

Connecting personnel inside and outside of vehicles in the field and enabling tactical communications is critical to mission success. But what if your vehicle intercom system doesn't allow you the functionality to speak outside of your vehicle? Or what if your new military vehicle has space at a premium and your usual VIS is too big?

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 armour and command centres enabling safe, secure, fast and reliable voice and data communications.



The Choice of Professionals

Chelton's LV2 provides a user friendly, highly reliable system that will remain operational even when the going gets tough.

Architecture

Re-routing of power and data is fully automated meaning they are interchangeable between vehicles in an operational environment.

Compatibility

Modules are fully compatible with Chelton's family of 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. 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.

LV2, ideal for platforms where space is at a premium, has been the standard intercom for the US Army's MRAPs, HMMWVs and Trucks since 2002.

The LV2 Suite

MCS/L The Master Control Station Light

- ✓ Provides power to all modules in system from single 24V supply
- ✓ Separate protected power for both modules and ANR headset
- ✓ Ring Highway connections
- ✓ Centralised control over intercom access and radio silence



FFCS/L Full Function Crew Station Light

- ✓ Simple to use under all operational conditions
- ✓ Enables features for two users per crew station
- ✓ Allows selection of working radio as well as monitoring of other radios
- ✓ Allows selection of second intercom channel



RIT Radio Interface Terminal

- ✓ Enables two additional radios to be added to the system.



Introducing the Tactical Gateway Interface

Extend your LV2 with VoIP and radio silent field line communications.



The device can be used for several purposes, such as SIP phone, router and SHDSL modem, which makes it highly versatile for various field/tactical communication needs.

VoIP Service can be run on the device to provide telephony and SIP server functionalities to other VoIP devices for accessing the VoIP network.

The device can run various services such as messaging and dynamic routing. The device can also be used as a platform for third party services.

Benefits

- The same device acts as a terminal, switch and router
- Small and rugged form factor – easy to install anywhere and truly portable in the field
- Extensive connectivity with e.g. CNR interface, SHDSL, LAN, USB, WLAN, BT
- Full military grade IP communications with distributed VoIP service and wide range of codecs
- Dynamic routing capabilities improving network reliability

Use Cases

- Rugged VoIP phone in military vehicles or in the field
- Rugged field phone with SHDSL modem, VoIP Service integrated Blue force tracking application for legacy CNR radio
- Gateway between CNR radio network and VoIP service
- SHDSL network access point
- Fully independent tactical IP network using SHDSL and Ethernet connections

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