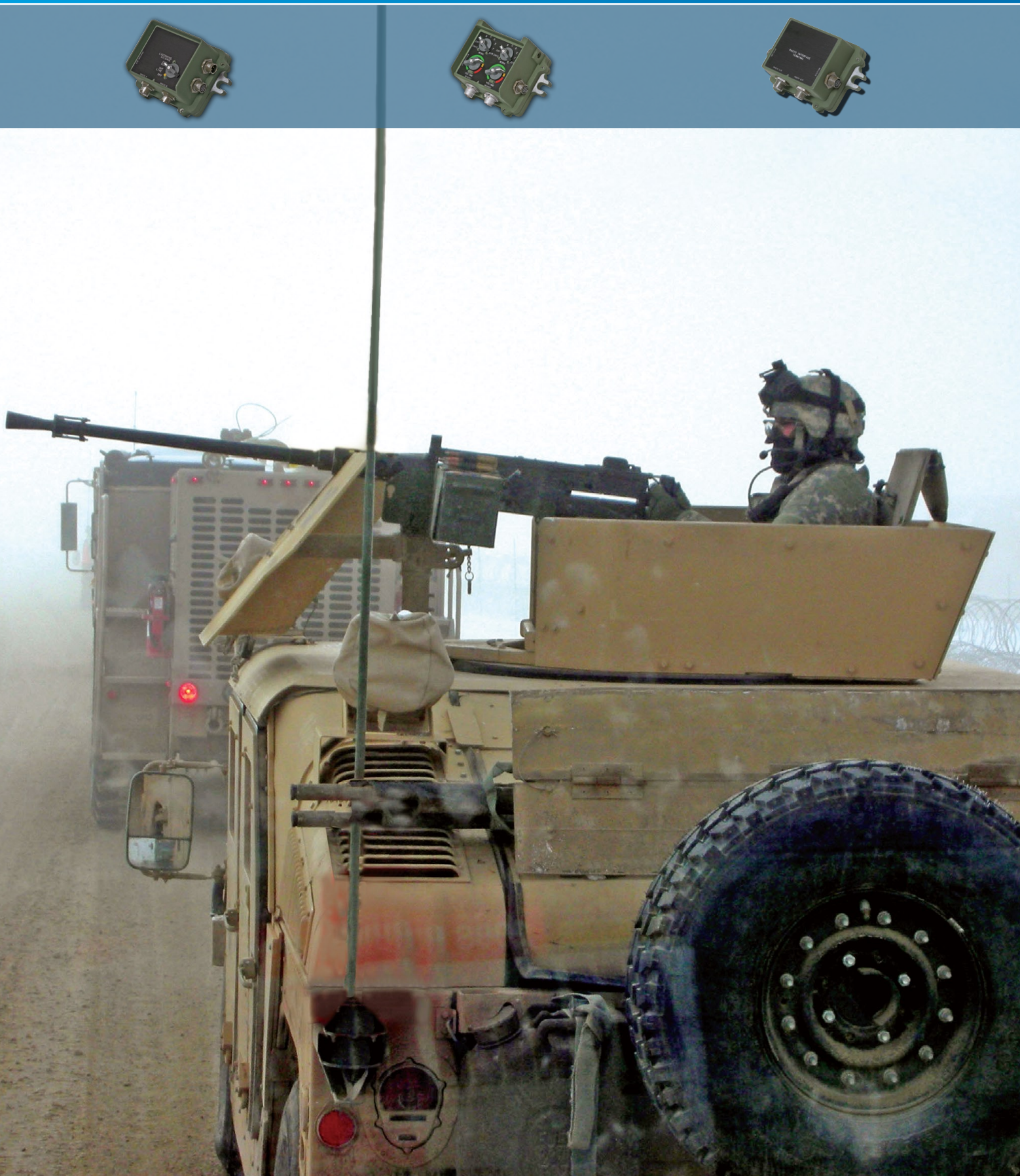


Vehicle Intercom Systems (VIS)

COBHAM

LV2

The most important thing we build is trust





Cobham'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.

Cobham's family of VIS includes ROVIS (AN/VIC-3), LV2 and the new TacG2 providing clear, reliable communications in any combat environment

Cobham is the world's leading manufacturer of Vehicle Intercom Systems (VIS), with over 120,000 systems in service around the world.

Cobham 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 armour and command centres. Reflecting the increased emphasis users are placing on data, Cobham's new software defined VIS, known as the TacG2, provides significantly increased capability and functionality with data as standard.

Cobham'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 Cobham's VIS, the family concept allows 'fitting for role' to provide cost effective solutions to meet current and future operational requirements.

Cobham's VIS have been proven in battle to reduce stress and increase combat efficiency

The family concept, adopted by Cobham, is one of a modular system. When additional functionality and capability is required, modules can be replaced or added to any system to increase capability and functionality, without the need for system replacement. The interoperability across the range of Cobham's VIS, includes the ROVIS (AN/VIC-3), LV2 and the new TacG2*.

No other system provides Cobham's flexibility to 'mix and match' modules to produce tailored functionality with a consequential reduction in capital expenditure.

* See TacG2 brochure for compatibility of TacG2 modules

The Professional System of Choice – Proven in Combat

LV2

Built to the highest of military standards, LV2 is designed for use on light vehicles, medium armour and heavy armour. With small footprint modules, LV2 is ideal for platforms where space and room are at a premium. LV2 is fitted to US Army HMMWVs, light vehicles and Soviet designed vehicles (T72 and BMP).

With simple installation and setup procedures, Cobham's most popular small intercom, the LV2, offers crews the following features:

- Individual selection over working radio selection
- Monitor all radios
- Central control over intercom access (VOX, Live Mic/PTT)
- Individual volume controls
- Second intercom channel
- Battle proven reliability

Mission critical platforms require a VIS with high reliability to allow the crew to fight their platform under all circumstances, even after battle damage has been sustained. LV2 is the most reliable military grade VIS available providing the three key functions to its users:

- Enable the crew to fight the platform
- High quality external communications over Combat Net Radio (CNR)
- High level of battle damage resilience

Cobham's LV2 more than meets these key requirements, and does so under all operational environments. Reports obtained from front line users confirm a very high level of performance, reliability and availability.



“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.”

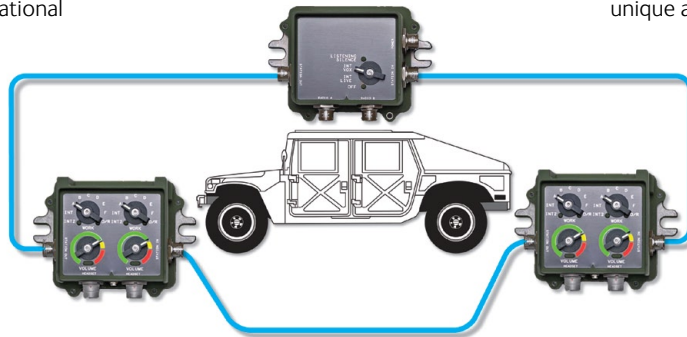
Quote from US DoD



- Ease-of-Use and Training
- ANR Compatible
- High Reliability
- High Availability
- Low Life Cycle Costs
- Small Footprint

The Choice of Professionals

Cobham's LV2 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 LV2 is the first choice of professionals all around the world for light and small platforms. LV2 is also a low cost upgrade for Soviet armoured vehicles.



Architecture

The ring architecture of Cobham's VIS is unique and 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.



The Master Control Station Light (MCS/L)

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

- Separate protected power for both modules and ANR headsets
- Two external radio ports
- Ring Highway connections
- Centralised control over intercom access and radio silence.

The FFCS from the ROVIS (AN/VIC-3) is fully compatible with the MCS/L and allows individuals to configure their own setting when connected into an LV2 system.



Full Function Crew Station Light (FFCS/L)

Designed for simplicity of use under all operational conditions, the FFCS/L provides two users per crew station with the following key features:

- Selection of working radio
- Monitor all other radios
- Volume control
- Selection of second intercom channel

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



Radio Interface Terminal (RIT)

- Provides two additional Radio Ports

Key Features of LV2

- Full control of internal and external communications via the FFCS/L
- Variable configuration between radios and users with two radios as standard on the MCS/L
- Ring Cable connection for alternative routing of signal data and power
- Built to full military specifications
- Modules are compatible with Cobham's family of VIS
- Full Wireless Intercom capability for crew and dismounted troops



LV2 Small Footprint is ideal for Russian armoured vehicles, where space is at a premium

Family Concept – Common Modules

To meet current and future operational requirements, Cobham provide cost effective enhancements and increased capability through modular expansion and technology insertion.

ROVIS LV2



Master Control Station Light (MCS/L). The MCS/L provides similar functionality as the MCS in a small footprint.



Full Function Crew Station Light (FFCS/L). The FFCS/L provides similar functionality to the FFCS with a dual user capability.



Radio Interface Terminal (RIT). The RIT enables an additional two radios to be added to the system.



Full Function Crew Station (FFCS). The FFCS provides a single user with full control over working and monitor radios, volume control and intercom access.



Full Function Crew Station Telephone (FFCS/T). The FFCS/T uses the same functionality as the FFCS with the addition of an interface for an externally mounted Tank Telephone.



Infantry Telephone Station (ITS/R). Provides external infantry personnel with access to the intercom and CNR on the platform.



Remote Access Field Telephone (RAFT). Allows the full capability of an FFCS to be remoted over the field cable.



User choice of audio ancillaries with/without ANR

WIRELESS



Eagle CCR. Cobham's Eagle CCR radio has been designed to integrate with its family of VIS.



DACs with Wireless Expanders. Full wireless integration of Eagle CCR.

Trusted Tactical Communications Over 120,000 Vehicle Intercom Systems Delivered



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