

# AVIS

## Analog Vehicle Intercom System

The *AVIS* (Analog Vehicle Intercom System) represents a family of analog intercom systems and components for use in special services vehicles, military tactical vehicles (both wheeled and tracked). The system provides intercom services between crew members and vehicle radio systems. The *AVIS* is a comprehensive solution for in-vehicle voice communication, tactical radio connectivity.



This publication is not to be regarded as a complete system specification, or to be used as a contract document. We reserve the right to change the design or specifications without prior notice.

# AVIS

## Analog Vehicle Intercom System

AVIS is a ruggedized, highly reliable, robust, user friendly, easy to 'install and use' standalone vehicle intercom system with provision of in-service radio connectivity.

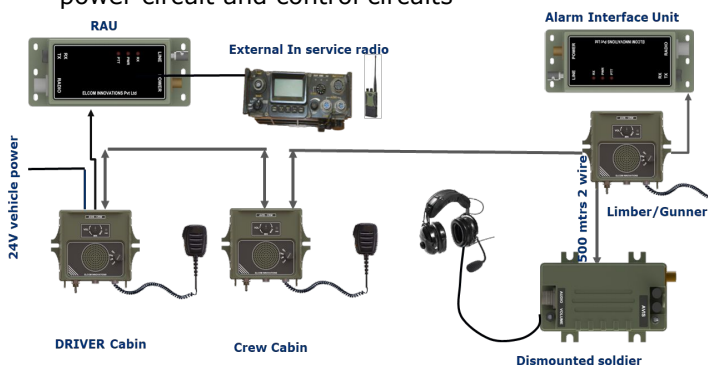
Designed and tested to MIL Standard specifications, AVIS interoperates with tactical and commercial radios. This allows crew members to communicate with dismounted soldiers and other vehicles or command centers through V/UHF communication. AVIS is used in noisy/battlefield environments and supports Passive Noise Cancelling (PNC) headsets.

### Application

- Designed to meet specialist vehicle crew communication requirements.
- Best suited for HMV, GTV, APC, ARV, QRFV, LAMV AFV, Ambulance and Emergency Services Vehicle.

### Functionality and Features

- Cost effective, modular and scalable
- Supports up to 3 crew units, 1 In-service Radio connectivity and upto 8 alarm interfaces
- Selection knob for one-to-one talk and conf talk
- Radio connectivity using Radio Adapter Unit
- Alarm connectivity using Alarm Interface Unit
- Operates using Vehicle Battery Power
- Nodes can be powered individually
- Monaural PNC headsets
- Different PTTs for Intercom and Radio access
- Alarms with independent tone for 3 categories on speaker/headset with acknowledgement button
- Socket for dismounted soldier/ground crew/ wired vehicle to vehicle connectivity
- Individual volume control for crew members
- Low power consumption by use of high efficiency power circuit and control circuits



#### Power Supply

DC in (nominal)	12/24V DC/Vehicle Battery
Input power	5W per unit (Typical)

#### Environmental Compliance

Operating Temp.	-30°C to +60°C
EMI/EMC	MIL-STD-461E
Ruggedization	MIL-STD-810F

#### Dimension (LxBxH)

Crew Unit	155x80x50 mm
Crew Unit with Speaker and FIST MIC	180x156x84 mm with mounting
Radio Adapter Unit Alarm Unit	182x82x54 mm

### Application : Towing Vehicle

Typical Application involved troop movement, Gun towing vehicle. AVIS is powered using the vehicle battery source. Typical deployment involves 3 numbers of Crew Units with FIST MIC, 1 RAU to connect one number of In-Service Radio, Alarm Interface Unit and Infantry socket to connect wired dismounted soldier or to extend the Intercom facility as night parking facility

### Typical Application of AVIS

