Vehicular Systems
Vehicle:

Optional Packages

**RF-5800H-V003, 400-Watt HF System Upgrade**
- Data terminal package
- RF-6710W-02EN, wireless messaging terminal software
- Rugged vehicle computer terminal, monitor, and keyboard
- Printer
- Generator package
- Generator, gasoline, 2.2 kW
- Isolation transformer
- 50-foot power cable
- Upgraded 35A communications battery charger, installed
- AC/DC metering package
- Deployed HF antenna
- RF-1936P-10, HF crossed dipole tactical antenna
- 150-foot coax and control cable on reel
- VHF radio package

**RF-5800V-MP106, VHF Tactical Radio System**
- RF-5800V-V201, 50-watt VHF vehicular adapter
- RF-387-AT001, VHF whip antenna
- RF-292-01, antenna mount
- Data terminal package
- RF-6710W-02EN, wireless messaging terminal software
- Rugged vehicle computer terminal, monitor, and keyboard
- Printer
- Generator package
- Generator, gasoline, 2.2 kW
- Isolation transformer
- 50-foot power cable
- Upgraded 35A communications battery charger, installed
- AC/DC metering package
- Deployed HF antenna
- RF-1936P-10, HF crossed dipole tactical antenna
- 150-foot coax and control cable on reel
- VHF radio package

**RF-5800M-MP106, Multiband Tactical Radio System**
- RF-5800M-V003, vehicular adapter
- RF-390-AT003, whip antenna
- RF-292-01, antenna mount
RF-1022-CV001 | Command Tahoe

The RF-1022-CV001 Command Tahoe is a fully integrated custom tactical command communications vehicular system equipped with an RF-5800H-MP Falcon® II HF radio.

The radio system provides advanced capabilities for secure high-speed data and digital voice operation in both fixed and ECCM modes. When used with the RF-6710W Wireless Messaging Terminal, the Command Vehicle can transparently send error-free messages, files, or images from one network node to another.

RF-1022-CV003 | Command Suburban

The RF-1022-CV003 Command Suburban is a fully integrated custom tactical communications vehicle equipped with an RF-5800H-MP Falcon® II HF radio system.

RF-1022-CV005 | Communications HMMWV System

The Communications HMMWV Shelter system is fully equipped with the RF-5800 Falcon® II series HF, VHF, and multiband radios.

The shelter system provides a radio operator compartment with convenient access to operation of the communication assets.

The vehicle shelter system is custom equipped with AC and DC power distribution systems. These allow the use of tactical radios and data systems while the vehicle is moving as well as deployed in a fixed location. The vehicle is equipped with an internal data network to allow C2 data to be sent and received over the Falcon® II radios.
Custom Vehicular Capabilities

Harris RF Communications has a proven capability in the design and manufacture of a vast range of vehicle systems, from custom military vehicles to covert commercial vehicles. Harris leverages its communications products and experience to provide the “most connected” command and control, surveillance, and communications vehicles.

Design Capabilities

- Integrate commercial and military vehicles with customer-specified/furnished communications/electronics equipment
- Specialize in Harris OEM product integration with COTS equipment
- Designed for air transport
- Covert appearance design experience
- Four-wheel-drive conversions
- Power systems design capabilities including generator integration, shore power, and autonomous power systems
- Environmental systems integration for a wide variety of environments
- Ergonomic design experience to minimize operator fatigue on long mission assignments
- Collocation design capabilities
- Designed with 3-D CAD systems to ensure correct fits and high reliability designs
Harris Corporation, RF Communications Division is a world leader in the design, integration, and deployment of armored vehicle communications systems.

Many vehicle systems have been developed with multiple VHF and HF radios. For HF communications, special Harris HF antennas equipped with whip tilt adapters for NVIS capability are used.

Harris is experienced in the integration and testing of radio communications systems in many types of armored vehicles. The reduction of mounting space for the radio in a turreted vehicle is addressed through the use of a small, externally mounted armored radio pod, and the remote mounting of the detachable front panel of the Harris radio. Harris also has extensive experience in the integration of HF/VHF/UHF/SATCOM radio systems within wheeled Light Armored Vehicles. These include the LAV Pandora (90 mm turret vehicle, 25 mm turret vehicle, command vehicle, ambulance, and the recovery vehicle) and the Panhard UBL vehicle.

Capabilities
- EMI/EMC/collaboration
- Ergonomics/operations analysis
- Environmental/shock-vibration
- Systems power budgets
- Systems safety/radiation hazard analysis
- Unique rear antenna bar system for armored HMMWV vehicles
- Radio interfaces to various vehicle intercom systems: VIC-1, VIC-2, VIC-3, SOTAS, MEL, RACAL, Chelton LV-2, Russian R-120, and R-124
- Wide range of experience in both tracked and wheeled armored vehicle systems
- Ability to solve unique space constraint problems
- Ability to reduce quantity of antennas on vehicle
- Installation experience includes: BMP-2, BMP-3, M48, M60A3, MIA1, T-55, T-62, T-66, T-72, Leopard 1, Pandur, Panhard, GKN Desert Warrior, M577, M113, C2V, M2 (Bradley), M1068, M-41, and WZ551, as well as a variety of wheeled military pattern vehicles.
Communications solutions for today and beyond

Harris RF Communications is a leading supplier of secure voice and data communications products, systems, and networks to military, government, and commercial organizations worldwide.

Harris is an international communications and information technology company serving government and commercial markets in more than 150 countries. Headquartered in Melbourne, Florida, the company has annual revenue of over $4 billion and 16,000 employees—including nearly 7,000 engineers and scientists. Harris is dedicated to developing best-in-class assured communications™ products, systems, and services. Additional information about Harris Corporation is available at www.harris.com.

Defense Communications and Electronics
Government Communications Systems
Broadcast Communications
Harris Stratex Networks

Special thanks to the U.S. Military Defense Websites for providing images of our troops used in this brochure.