



L3HARRIS®
FAST. FORWARD.



VEHICULAR REPEATER SOLUTION

The integration of the L3Harris XL Onboard™ 185/200M radios with the Pyramid Communications Technologies' SVR-P252™ Full Duplex Vehicular Repeater System extends and ensures portable radio coverage in challenging situations.

L3Harris and Pyramid Communications Technologies have partnered to integrate the new XL Onboard multiband 200M and single-band 185M radios with the Pyramid SVR-P252 Full Duplex Vehicular Repeater System. L3Harris onboard radios are highly versatile and compatible with VHF, UHF, 700/800 MHz and 900 MHz radio networks. When used in combination with the full-duplex vehicular repeater from Pyramid, the converged P25 radio provides access to the network with LTE, Wi-Fi®, Bluetooth® and GPS. The Pyramid SVR-P252 provides the last mile portable radio communications path so users can exit their vehicles in rural or poor coverage areas.

The Pyramid SVR-P252 extends portable radio coverage in fringe coverage areas to enable connection to an LMR System. The SVR-P252 leverages the L3Harris mobile radio for communications with the LMR network and uses a low-power vehicular repeater to provide connectivity for portable devices to access the network.

The Pyramid SVR provides L3Harris radios with Extended Coverage (XCOV) or Scene of Incident (SOI) modes for seamless communication in challenging coverage areas, in-building extensions or local tactical situations.



KEY BENEFITS

- On-scene portable radio coverage for first responders
- Multiple improvements to incident communications capabilities
- Ease of operation
- Extended Coverage (XCOV) and Scene of Incident (SOI) network modes
- Conventional and Enhanced Vehicular Repeater System Plus (EVRS+™) operational modes
- Enhances versatility of LMR systems

Mission-critical on-scene portable radio coverage that follows first responders in the field.

The SVR-P252 P25 and EVRS+ features work with the XL host mobile radio to create seamless Trunking.

If the radio operator is away, the SVR repeats the signal to the user's handheld. The user can transmit back to the SVR via their handheld, which is relayed back to the base by the high-power mobile radio, extending the range of the handheld to that of the mobile radio.

Improved Incident Communications

- > First Responders stay connected whether inside or outside the building, enabling emergency calling to both the Incident Commander and other First Responders
- > Incident Commander outside a building to first responders in the building
- > First Responder to First Responder within the building
- > Allows command centers and approaching responders to monitor on-scene communications

Typical Use Cases

- > Firefighters on a scene can easily communicate with each other using the integrated local repeater of the SVR, while optionally and simultaneously relaying all traffic to the mobile radio network so dispatch can hear and record mission critical communications.
- > Law Enforcement using a local on-scene channel of the SVR can communicate back to dispatch in areas of poor portable radio coverage to ensure the security of life and property. The L3Harris XL radio will backhaul (wide area RF network coverage) to the township, municipality or military base.

The Power to Connect



Ease of Operation

- > ESP Multi Vehicle Protocol negotiates a single unit to handle traffic when more than one unit is on a scene
- > Simple, highly efficient user interface
- > Press one button to activate VRS for Extended Coverage Mode
- > P25T Interface, including Grant/Deny Tone Access



Network Modes

- > Extended Coverage (XCOV) mode for extending the coverage of local portable radios to the LMR network
- > Scene of Incident (SOI) mode for creating a local communications network between portables that are all on the same local scene



Operational Modes

- > Conventional or Enhanced Vehicular Repeater System Plus (EVRS+) modes
- > Conventional is for basic VR communications and EVRS+ adds features like passing through P25 channel status, full-duplex repeat and extended local coverage between users on scene.
- > Optimized for L3Harris radio systems



LMR Versatility

- > In-band or cross-band repeater functions supported*
- > Duplexers and in-band filters available for most applications
- > Programmable VR unit output power provides a matched RF system for VR/radio interface

*In-band function only supported for VHF and UHF frequency bands. 700/800 MHz requires cross-band communication.

Non-Export Controlled Information

L3Harris Technologies is the Trusted Disruptor in the defense industry. With customers' mission-critical needs always in mind, our 50,000 employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. L3Harris.com.