

# *The Best Get Better*

***30,000 P25 Vehicular Repeaters Deployed  
800 Customers/Agencies***

***Futurecom Systems Group, ULC is a tried and trusted vehicular repeater vendor. For the past 13 years Futurecom has collaborated with Motorola Solutions Inc. to continually improve their line of vehicular repeaters and better the lives of first responders.***

***Futurecom's DVRS was the industry's first P25 vehicular repeater and later the VRX1000 Vehicle Radio Extender, fully upgradable from an analog only extender to a full P25 trunking extender.***

***The DVRS/VRX1000 are not just audio extenders, they are network extenders. They bring all of your key networks features to your portable radio.***



## ***Industry Leading Features:***

***End to End Digital on TDMA | End to End Encryption | Portable Radio Emergency & ID Pass Through  
PPI – Portable Priority Interrupt (Available for DVR Only) | Trunking Tones & Messages | Fireground Standard  
Direct Fallback | Multi-Unit Algorithm Including Permanent Primary | Activation Methods  
Activate an Emergency | Mobile Usable when DVR/VRX1000 Are Active | Portable Radio Adaptive Power Control***



***When First Responders Need RF Coverage, they Bring Futurecom. | [www.futurecom.com](http://www.futurecom.com)***

## Industry Leading Features

### **End to End Digital on TDMA**

The DVRS/VRX1000 when used with the DVRS enabled APX™ portable radio are the only P25 vehicular repeaters to offer end to end digital communications with TDMA Phase 2 talkgroups.

### **PPI – Portable Priority Interrupt (Available for DVR Only)**

This allows a portable radio to have priority (i.e. Emergency) over an in progress network call. Without it, a portable call must wait until the talkgroup is available.

### **End to End Encryption**

The DVRS/VRX1000 provides true encryption without the use of a vocoder with direct digital connection between portable radios and the network. OTAR of portables connecting to a trunking network through the DVRS/VRX1000 is supported.

### **Portable Radio Emergency & ID Pass Through**

IDs pass on both the push to talk (PTT) and emergency to either conventional or trunking networks. With trunking networks, the portables will affiliate with the network, allowing for features such as stun, kill, and private call.

### **Trunking Tones & Messages**

- Go-ahead tones
- Network Messages
- Out of range tones

### **Fireground Standard**

Used by hundreds of fire departments to improve in building coverage, the DVRS/VRX1000 can provide the features of trunking, with the safety of conventional.

### **Portable Radio Adaptive Power Control**

The DVRS/VRX1000 send messages to 'DVRS Enabled' Motorola portable radios to reduce their transmit power to the required level which prolongs their battery life.

### **Direct Fallback**

In the event the DVRS/VRX1000 enabled portables cannot communicate with the DVRS/VRX1000, rather than providing a deny tone, they can automatically switch to direct mode, give an alternate grant tone, and allow the user to communicate directly with others nearby, without either party changing channels.

### **Multi-Unit Algorithm Including Permanent Primary**

This sophisticated algorithm reliably handles multiple DVRS/VRX1000 units at a scene in order for them not to interfere with one another. The interference prevention is achieved by automatically setting one unit as the primary unit. In addition to the standard fully automatic mode, the DVRS/VRX1000 offers a manual override feature (Permanent Primary) allowing a selection of a specific unit to become a primary unit based on an a scene/command needs.

### **Activation Methods**

The DVRS/VRX1000 offer a wide variety of ways to be activated.

- standard button on the mobile control head
- external switches
- call alert from a nearby portable or dispatch
- fully automated methods using triggers such as door open and shifting from park

### **Activate an Emergency**

A special case is activation upon receipt of emergency from a portable. Detecting a portable emergency that is not being acknowledged, a DVRS/VRX1000 in off mode, will automatically activate, pass the emergency to the network and stay active providing communications to the user in trouble.

### **Mobile Usable when DVRS/VRX1000 Are Active**

Regardless of the activation method, the mobile radio continues to be fully available. A mobile user can transmit to network and/or other portables and can hear audio from network and/or other portables on the mobile speaker.

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