DVR-LX®/ VRX1000 Comparison

The DVR-LX® and VRX1000 extend mobile voice and data radio traffic to/from portable radios in areas around the vehicle and into buildings. Both the DVR-LX® and VRX1000 are tightly integrated with the Motorola APX mobile radio and control head.
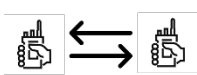
The DVR-LX® is a full-duplex 10 Watt P25 digital vehicle repeater. Providing full featured and full powered coverage enhancement. Capable of connecting multiple users both on the scene and back to Dispatch.

The VRX1000 is a simplex 3 Watt vehicle radio extender. Focused on single user applications, the VRX1000 is fully upgradable from an analog extender to full P25 digital extender. Providing agencies the flexibility as they upgrade their systems.

Operational Differences

Below are the key operational differences between DVR-LX® and VRX1000

	DVR-LX®	VRX1000
Emergency Interrupt	Emergency calls from the portable radio interrupt network traffic	Emergency calls retry once network is clear, does not interrupt ongoing traffic
Local Repeat Mode	Portable radios can communicate with each other on-scene	Portable radios communicate only with the network
Mobile Radio PTT	Keying up APX mobile transmits to the network and locally on the scene	Keying up APX mobile only transmits to the network
Mobile Radio Speaker	Network and local portable audio will be heard on APX mobile speaker	Only network audio will be heard in the APX mobile speaker

DVR-LX® & VRX1000 Comparison Chart

	DVR-LX® Trunking/Conventional Extension	VRX1000 Trunking/Conventional Extension
Power Output	Programmable 1-10 Watts	Programmable 0.5 - 3 Watts
Duplex Capability	YES	NO
Simplex Capability	YES	YES
Size (D,W,H) (Note: Does not include in-band filters)	10" x 7" x 6"	8" x 6" x 2"
Weight (Does not include weight of In-band Filters)	17.4 lbs.	4.4 lbs.
Frequency Band	VHF UHF 380-430 MHz UHF 450-470 MHz 700 MHz 800 MHz	VHF UHF R1 & R2 Combined 700 MHz & 800 MHz Combined
Modes	Analog Digital FDMA TDMA	Analog Digital* 1 FDMA* 1 TDMA* 1
Cross Band Operation	YES	YES
In-Band Operation	YES	YES
Suitcase	YES	NO
Rack Mount	YES	NO
Radio Compatibility	APX™5500 APX™6500 APX™7500 APX™8500* 2	APX™2500 APX™4500 APX™5500 APX™6500 APX™7500 APX™8500* 2
Price Tiering Structure	Hardware & Software	Hardware & Software

NOTE 1 - For Digital, FDMA & TDMA modes for the VRX1000, Transceiver Functional Option Tier 3 Must be ordered
NOTE 2 - APX™8500 may require interface kit. Please refer to the DVR/DVR-LX®/VRX1000 Ordering Guide