

DVR-LX P25 suitcase repeater



Two-way radio communications at a remote incident can be a challenge. But the DVR-LX suitcase repeater is a rapid deployment repeater designed to bring two-way portable radio coverage to a critical incident, command post, or special event. It is an ideal solution to keep public safety and federal government agencies connected.

The DVR-LX suitcase repeater consists of a vehicular repeater (DVR-LX), filters and a power supply installed in a protective carrying case. Mounting space is provided to add remote mount APX™ mobile radios of your choice. The suitcase can be powered from a 12 VDC, 120 VAC or 220 VAC supply.

Key features and benefits

- Programmable output power: 1-10 W
- Available in VHF, UHF, 700 MHz and 800 MHz bands
- Authentication (optional)
- Remote update via Radio Management (optional)
- Extends key P25 trunking features to 'DVRS Enabled' portable radio users including APX 6000, APX 8000 and APX NEXT® radios
 - Portable push-to-talk and emergency
 - ID pass-through
 - Go ahead and deny tones
 - Out-of-range and fall-back tones
- P25 digital/ analog operation
- Full duplex or simplex operation
- In-band or cross-band configurations
- Integrates with remote mount APX 8500, APX 6500 and APX 5500 mobile radios
- Operated through mobile radio control head
- Standard suitcase color: orange and black
- Optional colors available: yellow, silver
- Made of ultra-high impact structural copolymer polypropylene with solid wall design, to meet the most demanding environments

GENERAL SPECIFICATIONS

Dimensions: Height x Width x Depth, Weight	525 x 435 x 220 mm (20.6 x 17.0 x 8.6 in), 22.7 kg (50 lb)
Channel Spacing	12.5 or 25 kHz programmable
Number of Channels	192
Number of MSU Entries (Zone + Channel)	2047
CTCSS/DCS	Programmable per Channel
Power Supply	AC: 120 V or 220 V, DC: 13.8 V \pm 20%, negative ground only
Current Drain: 117 V AC	Standby/Receive: 0.5 A Max Transmit: 2.8 A Max @ 10 W RF output at antenna port
Current Drain: 13.8 V DC	Standby: 2.2A MAX Receive: 4.0 A MAX Transmit: LP - 14.5 A MAX @ 10 W RF Output at Antenna port MP - 21.0 A MAX @ 10 W RF Output at Antenna port HP - Not Supported

Operating Temperature	-30°C to +60°C
Antenna Impedance	50 Ohms
Duty Cycle	Continuous (DVR)
EXTERNAL CONNECTORS	
Antenna	N Female
Computer Interface	USB
Power Supply	AC-MS3102E14-7P; DC- MS3102E16-11P

EQUIPMENT TYPE ACCEPTANCE

	VHF	UHF	700 MHz	800MHz
FCC	136-174 MHz L06-DVRSVHF	380-406 MHz 406.1-512 MHz L06-DVRSUHF	764-776 MHz 794-806 MHz L06-DVRS700	806-824 MHz 851-869 MHz L06-DVRS800
Industry Canada	138-174 MHz 2098B-DVRSVHF	406.1-430 MHz 450-470 MHz 2098B-DVRSUHF	768-776 MHz 798-806 MHz 2098B-DVRS700	806-824 MHz 851-869 MHz 2098B-DVRS800

TRANSMITTER SPECIFICATIONS

	VHF	UHF	700 MHz	800MHz
Frequency Band	136-174	380-430 MHz 450-470 MHz	768-775 MHz	851-869 MHz
Power Output @ Antenna Port ¹	10 W (programmable per channel from 1 W to 10 W)			
Max Spurious Output	-20 dBm			
Frequency Stability	\pm 1.5 ppm			
FM Hum and Noise (12.5 / 25 kHz)	-37 dB / -43 dB			
Audio Response	+1, -3 dB of 6 dB / octave pre-emphasis characteristic over 300 Hz to 3 kHz			
Audio Distortion	<2%			



RECEIVER SPECIFICATIONS

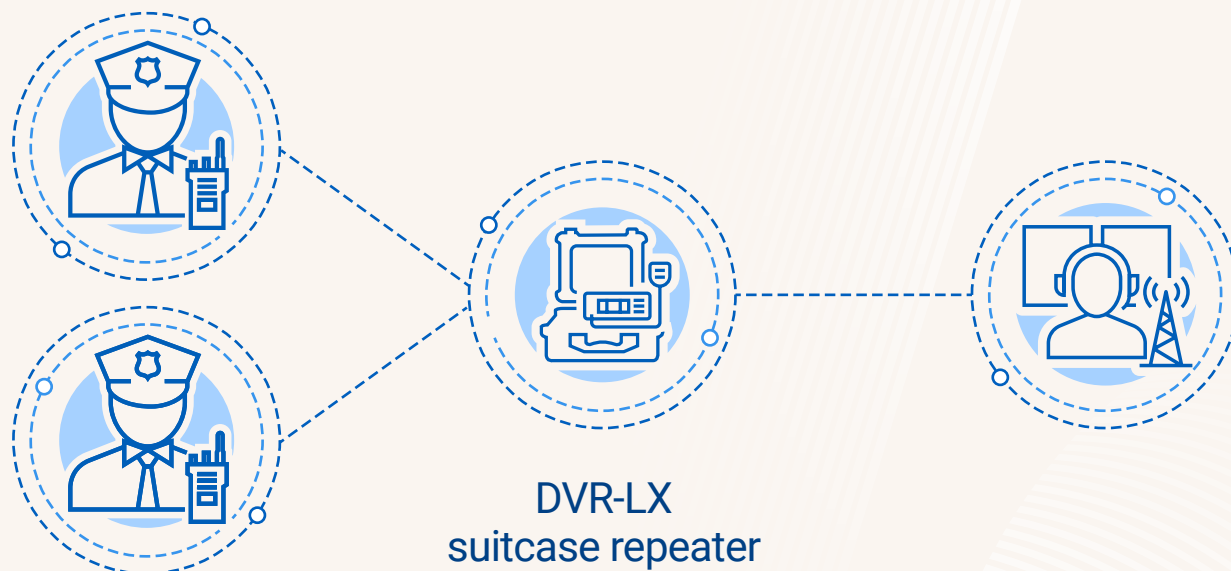
	VHF	UHF	700 MHz	800MHz
Frequency Band	136-174	380-430 450-470	798-805 MHz 768-775 MHz	806-824 MHz 851-869 MHz
Receiver Sensitivity (simplex/duplex)				
Analog 12 dB SINAD			-115 dBm	
Digital P25 5% BER			-115 dBm	
Frequency Stability (-30 °C to +60 °C; +25 °C Ref.)			±1.5 ppm	
Selectivity 12.5 / 25 kHz			-60 dB / -75 dB	
Intermodulation			-70 dB	
Deviation 12.5 / 25 kHz			±2.5 kHz / ±5 kHz	
FM Hum and Noise 12.5 / 25 kHz			-37 dB / -43 dB	
Audio Output (Repeater Detect Audio)			600 mV RMS nominal, flat response	
Audio Response			+1, -3 dB of 6 dB / octave de-emphasis characteristic over 300 Hz – 3 kHz	
Audio Distortion			<2%	

Note: Specifications are typical, measured under nominal conditions and are subject to change without notice

¹ Power Output values reflect results at nominal conditions and do not include duplexer losses.



DVR-LX suitcase repeater facilitates communications to portable radios



To learn more, visit: motorolasolutions.com/dvr-lx



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