



# 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 Futurecom 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 7500, APX 6500 and APX 5500 mobile radios
- Operated through mobile radio control head
- Standard suitcase color: orange and black
- Optional colors available: desert tan, yellow, silver
- Made of ultra-high impact structural copolymer polypropylene with solid wall design, to meet the most demanding environments
- Sold exclusively through Motorola Solutions



## 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 (25 kHz operation not available in USA)
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 Transmit: 2.8 A
Current Drain: 13.8 V DC	Standby Receive: 1.6 A Transmit: 14.5 A
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Antenna Impedance	50 ohms
Duty Cycle	Continuous (DVR)
<b>EXTERNAL CONNECTORS</b>	
Antenna	N Female
Computer Interface	USB
Power Supply	AC-MS3102E14-7P; DC-MS3102E16-11P



## EQUIPMENT TYPE ACCEPTANCE

	VHF	UHF	700 MHz	800 MHz
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	800 MHz
Frequency Band	136-174 MHz	380-430 MHz 450-470 MHz	764-775 MHz	851-869 MHz
Power Output @ Antenna Port <sup>1</sup>	10 W (programmable per channel from 1 W to 10 W)			
CTC Option	15 sec to 15 min or Disabled			
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	800 MHz
Frequency Band	136-174 MHz	380-430 MHz 450-470 MHz	794-805 MHz 764-775 MHz	806-824 MHz 851-869 MHz
Receiver Sensitivity (simplex/duplex)	Analog 12dB SINA -115 dbm		Digital P25 5% BER -115 dbm	
Frequency Stability (-30 °C to +60 °C; +25 °C Ref.)	$\pm$ 1.5 ppm			
Selectivity 12.5 / 25 kHz	-60 dB/ -75 dB			
Intermodulation	-70 dB			
Deviation 12.5 / 25 kHz	$\pm$ 2.5 kHz / $\pm$ 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 to 3 kHz			
Audio Distortion	<2%			

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

## TRANSMITTER SPECIFICATIONS

Backup Time For DVR-LX  
(50:50 Duty Cycle, New Batteries) 2 hrs

### DIMENSIONS HEIGHT x WIDTH x DEPTH

Battery Pack 245 x 280 x 175 mm (9.7 x 11.0 x 4.9 in)

Battery Charger 50 x 130 x 125 mm (2.0 x 5.1 x 5.0 in)

### WEIGHT

Battery Pack 13.0 kg (28.5 lb)

Battery Charger 1.8 kg (4.0 lb)

Battery Charger  
Input Voltage 100-132 V AC, 50-60 Hz or  
220 V AC, 50-60 Hz

Charging Temperature 10.9 V DC - 13.8 V DC

Operating Temperature +20 °C to +25 °C (+68 °F to +77 °F)

CTC Option -15 °C to +50 °C (+5 °F to +122 °F)

Storage Temperature +25 °C (+77 °F)

Charger Output DC Fuse  
(Reverse DC Polarity Protection) 7.5 A, Automotive Blade Type, Fast Blow

Charger Compliance CSA C22.2, UL 1236

Charger DC Plug Compliance MIL-C-5015

### CONNECTORS

Battery Pack DC Output CA3102E16-11SB,  
MIL-C-5015 Bayonet

Charger AC Input NEMA 5-15P Three Prong AC Plug

Charger DC Output CA3106E16-11 PB,  
MIL-C-5015 Bayonet

Charging Time 10 hrs approx.

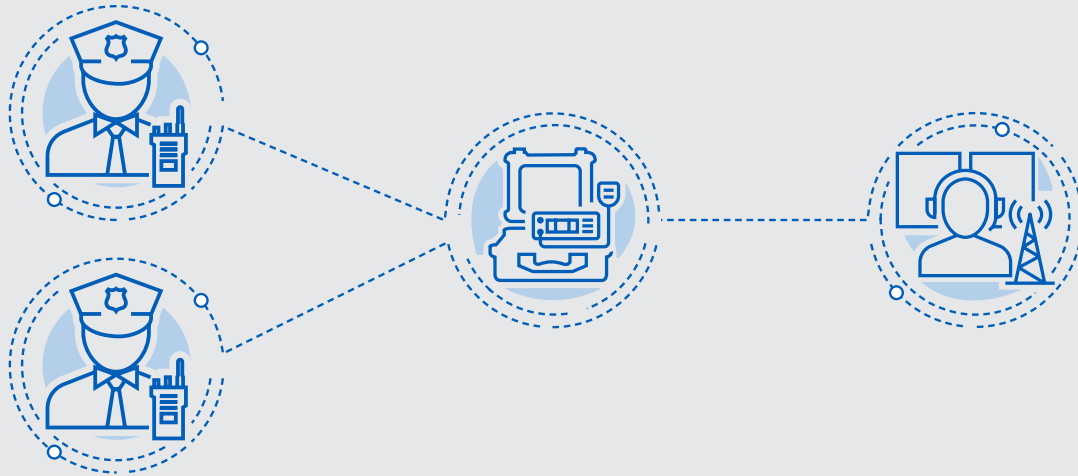
Float Charge Required



Note: Specifications subject to change without notice.



DVR-LX Suitcase Repeater facilitates communications to portable radios



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