

L3Harris XL-200P Portable Radio

The portable radio is the base item that can be configured to your specific requirements by selecting the appropriate model followed by the features and accessories listed in the 'Features/Options/Accessories' column. All radios require a battery, antenna and charger to operate.

VENDOR	BRAND/MODEL	MSRP
	L3HARRIS PORTABLE RADIOS – XL-200P	
Communications International	L3Harris / XL-PFM+ - FULL KEYPAD,MIDNT BLK,US	\$2,900.00
Communications International	L3Harris / XL-PPM+ - PARTIAL KEYPAD,MIDNT BLK,US	\$2,700.00
	FEATURES/OPTIONS/ACCESSORIES	
Communications International	L3Harris / XL-PL9F - FEATURE, P25C FALLBACK/MS FAILSOFT	\$250.00
Communications International	L3Harris / XL-PL5K - FEATURE, PROFILE OTAP OVER-THE-AIR PRGM	\$265.00
Communications International	L3Harris / XL-FW2X - OPERATION, LOAD NIFOG PERSONALITY	\$0.01
Communications International	L3Harris / XL-PL4F - FEATURE, P25 PHASE 2 TDMA	\$250.00
Communications International	L3Harris / XL-PL8Y - FEATURE, ENCRYPTION LITE	\$0.01
Communications International	L3Harris / XL-PL9E - FEATURE, SINGLE-KEY AES ENCRYPTION	\$0.01
Communications International	L3Harris / XL-PL4U - FEATURE, SINGLE-KEY DES ENCRYPTION	\$0.01
Communications International	L3Harris / XL-PKGPT - FEATURE PACKAGE, P25 TRUNKING	\$1,500.00
Communications International	L3Harris / XL-PKGF1 - FEATURE PACKAGE, ALL BANDS,V+U+7/800	\$1,500.00
Communications International	L3Harris / XL-PKGF2 - FEATURE PACKAGE, ALL BANDS,VHF+UHF	\$1,000.00
Communications International	L3Harris / XL-PKGF3 - FEATURE PACKAGE, ALL BANDS, VHF+7/800	\$1,000.00
Communications International	L3Harris / XL-NC5Z - ANTENNA, FLEX,HELICAL,136-870 MHZ	\$110.00
Communications International	L3Harris / XL-AE9N - SPEAKER MICROPHONE	\$195.00
Communications International	L3Harris / XL-HC3L - BELT CLIP,METAL	\$30.00
Communications International	L3Harris / XL-PA3V - BATTERY,LI-ION,3100 MAH	\$150.00
Communications International	L3Harris / XL-PA4K - BATTERY,LI-ION,HI-CAPACITY,4800MAH	\$175.00
Communications International	Power Products / BPPA3VLIXT - BATTERY, LI-ION, HI-CAPACITY, 5000MAH, 17 HR RUNTIME	\$99.00
Communications International	L3Harris / XL-CH4X - CHARGER,1-BAY	\$170.00
Communications International	L3Harris / XL-CH5A - CHARGER,6-BAY	\$895.00
Communications International	L3Harris / XL-CH4W - CHARGER,VC4000	\$200.00
Communications International	L3Harris / EV-CH5A - CHARGER,6-BAY,LI BATTERY, P/XG/XL RADIOS	\$895.00
Communications International	L3Harris / XL-PS9X - POWER ADAPTER KIT,VC4000 CHARGER	\$35.00
Communications International	L3Harris / MAH2-NPS9X - Power Adapter Kit,VC4000 Charger	\$35.00
Communications International	L3Harris / SS-SW1D - RPM/RPM2 W/MAST DONGLE & ANNUAL UPDATES	\$1,095.00
Communications International	L3Harris / SS-SW1E - RPM/RPM2 WITH ANNUAL UPDATES (NO DONGLE)	\$895.00

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Authorized L3Harris Reseller

Communications International	L3Harris / XL-CJ3A - CABLE,USB,PROGRAMMING	\$150.00
Communications International	L3Harris / CA-023407-001 - Cable,Programming	\$190.00

XL-200P PORTABLE

Converged LTE Land Mobile Radio

The L3Harris XL-200P is the industry's leading converged multiband LTE, full-spectrum LMR enabling users to connect in more places and improve Situational Awareness. Capable of operating on VHF, UHF and 700/800 MHz frequencies, this powerful portable merges robust LMR voice with voice and data over LTE and Wi-Fi®, and is Verizon Certified.

Designed from the ground up, the XL-200P is engineered for audio excellence. It combines a powerful 1.5/4.0 watt max amplifier and custom speakers with advanced noise cancellation technology to suppress feedback, delivering clear communications in a wide range of noisy environments.

Compact and ergonomic, the portable's shape is based on extensive research, resulting in a radio that fits naturally in users' hands. Controls are shaped and arranged for ease of use and optimum performance, including accessory connections.

With its ruggedized aluminum I-beam frame and tough seals, the XL-200P is built to operate in severe environments. This radio meets MIL-STD-810G for durability, including Method 511.5 for explosive atmospheres and Method 504.1 for contamination by fluids, so it can be scrubbed with cleansers and biological sanitizers.

The XL-200P supports a choice of encryption methods for secure communications, including single-key AES.



EXCEPTIONAL COMMUNICATIONS IN SEVERE ENVIRONMENTS

KEY BENEFITS

- > Instant recall of received audio replays transmissions to avoid missed calls
- > Optional cell modem for voice and data wherever cellular/LTE is available
- > Built-in GPS, Bluetooth®, Active Noise Cancellation, and 4-position A-B-C-D switch standard

SPECIFICATIONS FOR: XL-200P PORTABLE FULL-SPECTRUM MULTIBAND RADIO

GENERAL		
Radio Models: Full Keypad Partial Keypad	TFT LCD w/DTMF keypad, navigation cluster, soft keys TFT LCD w/partial keypad, navigation cluster, soft keys	
Dimensions w/Battery (H x W x D)	5.8 x 2.3 x 1.4 in (148.0 x 60.0 x 36.0 mm)	
Weight	w/Battery and Antenna 16.2 oz (464 g)	w/o Battery and Antenna 10.4 oz (296 g)
Housing Colors	Midnight Black, High-Visibility Yellow and High-Visibility Green	
Interfaces: Front Display Top Display Keypad Buttons Tx/Rx Indicator	320 x 178 pixels, 1.8 inch transreflective LCD, 16-bit color with backlight 128 x 32 pixels, 1.1 inch multi-color backlight, sunlight readable Backlight, 3 soft keys, 5-way navigation key, full DTMF keypad Large PTT button, on/off knob, volume knob, red emergency button, 16-position top-mounted rotary knob, 2-position concentric switch, 4-position toggle switch, 3 programmable side buttons Multi-colored LEDs	
Channel/Talkgroup Capacity	1,250 total conventional channels and 13,824 total talkgroups	
Radio programming	Firmware, personalities and feature set over Wi-Fi	
Transceiver	Supported Bands VHF, UHF, 700/800 MHz and LTE	Channel Capacity 12,500 (1,250 per mission plan)
Environmental: Relative Humidity Vibration Drop Shock Immersion¹	5% @ 140°F (+60°C), 95% @ 122°F (+50°C) USDA LMR Standard, Section 2.15 and MIL-STD-810G, Test Method 514.6 1.5 meter drop to concrete (exceeds TIA-603-D) 2 meters for 4 hours in accordance with MIL-STD-810G/IP68	
Operating Temperature²	-22° to +140°F (-30° to +60°C)	
Storage Temperature³	-40° to +176°F (-40° to +80°C)	
Altitude	Operational 15,000 feet (4,572 meters)	In Transit 40,000 feet (12,192 meters)
Electrical Input Voltage	7.5 VDC (nominal)	
GPS/GNSS Specifications: Channels Tracking Sensitivity (dBm) Acquisition Sensitivity (dBm) Cold Start w/-130 dBm input Hot Start w/-130 dBm input	P25 standard Tier 2 and L3Harris in-band 52 -166 (GPS), -163 (GLONASS) -146 (GPS) <35 seconds <1 second	
Safety: Hazardous Location Options RoHS Compliant	Approved for use in the U.S. and Canada in Class I, Division 2 Groups A, B, C and D hazardous locations	

¹ Optional feature

² Extreme low temperatures adversely affect battery life and audio power/ distortion

³ Store batteries at +25°C ± 5°C

LMR TRANSMITTER			
Frequency Bands	VHF*	UHF*	700/800 MHz
Frequency Ranges (MHz) Option 1 (U.S.)	136-174	378-522	768-776, 798-806, 806-816, 851-861
Option 2 (International)	136-174	378-522	763-776, 793-806, 806-825, 851-870
Rated RF Power/Talkaround (W)	1-6	1-5	0.5-3
Frequency Stability (-30 to +60°C)	±1.0 ppm	±1.0 ppm	±1.0 ppm
Modulation Limiting (kHz)	2.5, 4, 5 (FM)	2.5, 4, 5 (FM)	2.5, 4, 5 (FM)
Audio Response (dB)	+1/-3	+1/-3	+1/-3
Spurious and Harmonics (dBc)	-80 (FCC Part 90)	-80 (FCC Part 90)	-80 (FCC Part 90)
FM Hum and Noise Companion Receiver (dB): @ 25 kHz @ 12.5 kHz	70 47	60 47	55 45
Audio Distortion (%)	<1.25	<1.25	<1.25
Project 25 Modulation Fidelity (%)	1.0	1.0	1.0
Project 25 Adjacent Channel Power (dBc)	>71	>71	>71

*Full-spectrum multiband VHF and UHF product is compliant with applicable FCC narrowbanding mandate below 512 MHz

SPECIFICATIONS FOR: XL-200P PORTABLE FULL-SPECTRUM MULTIBAND RADIO

REGULATORY DATA							
Frequency Range	RF Output	Frequency Stability	FCC Type Acceptance No.	Applicable FCC Rules	Industry Canada Certification No.	Applicable Industry Canada Rules	NTIA Cert. No.
851-861 MHz	3 W	±1.0 ppm	OWDTR-0133-E	90	3636B-0133	RSS-119	
851-869 MHz	3 W	±1.0 ppm	OWDTR-0145-E	90	3636B-0133	RSS-119	
2402-2480 MHz	0.2 W	N/A	OWDTR-0133-E, OWDTR-0145-E	15w	3636B-0133, 3636B-0145	RSS-119	
5180-5825 MHz	0.1 W	N/A	OWDTR-0133-E, OWDTR-0145-E	15	3636B-0133, 3636B-0145	RSS-119	

LMR RECEIVER			
Frequency Bands	VHF	UHF	700/800 MHz
Frequency Ranges (MHz): Option 1 (U.S.) Option 2 (International)	136-174 136-174	378-522 378-522	768-776, 851-861 763-776, 851-870
Channel Spacing (kHz)	25 (wideband*), 12.5 (narrowband), 6.25 equiv (TDMA P25 Phase 2)		
Frequency Stability (-30 to +60°C)	±1.0 ppm	±1.0 ppm	±1.0 ppm
Sensitivity (dBm): @ 12 dB SINAD	-122	-121	-121 (700 MHz) -120 (800 MHz)
Project 25 Reference Sensitivity (dBm): @ 5% BER	-122	-121	-120.5
Analog Selectivity (dB): @ 25 kHz @ 12.5 kHz	77 71	77 70	74 64
Project 25 Adjacent Channel Rejection (dB)	66.2	62.2	62
Offset Channel Selectivity (dB): @ NPSPAC	NA	NA	30
Intermodulation (dB)	80	81	77
Spurious and Image Rejection (dB)	90	87	80
FM Hum and Noise (dB): @ 25 kHz @ 12.5 kHz	-60 -55	-60 -53	-55 -50
Audio Output - Rated/Max (mW)	1500/4000	1500/4000	1500/4000
Audio Distortion @ Rated Power (%)	1.1	1.1	1.1

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ENVIRONMENTAL STANDARD			
Applicable MIL-STD	Parameter	Methods	Procedure/Categories
MIL-STD-810G*	Low pressure	500.5	1, 2
	High temperature	501.5	1, 2
	Low temperature	502.5	1, 2
	Temperature shock	503.5	1
	Solar radiation	505.5	1
	Contamination by fluids	504.1	2
	Rain	506.5	1, 3
	Humidity	507.5	2
	Salt fog	509.5	1
	Blowing dust and sand	510.5	1, 2
	Explosive atmosphere	511.5	1
	Immersion in water**	512.5	1
	Vibration (minimum integrity)	514.6	1, Category 24
	Vibration (basic transportation)	514.6	1, Category 4
	Shock (functional/basic)	516.6	1
Shock (transit drop)	516.6	4	
Shock (bench handling)	516.6	6	
IEC 60529	Dust-tight, continuous immersion in water**		IP68

*Also meets equivalent superseded MIL-STD-810D, E and F

**Optional feature

CELLULAR BROADBAND	
LTE Protocol	3GPP Release 10, Power Class 3 UE with Rx diversity
Commercial Broadband	Verizon Certified Band 13, 777-787 MHz Tx, 746-756 MHz Rx, 5 or 10 MHz BW Verizon Certified Band 4, 1710-1755 MHz Tx, 2110-2155 MHz Rx, 5, 10, 15, or 20 MHz BW
Wi-Fi	802.11 b/g/n 2.4 GHz and 5 GHz; supports 24 preconfigured and 8 user configured networks
Bluetooth	Bluetooth 4.0 (128-bit encryption)

DIGITAL OPERATION

Protocol	ProVoice™	P25
Vocoding Method	AMBE+2™ enhanced full rate	AMBE+2 enhanced full rate and enhanced half rate
Signaling Rate (kbps)	9.6	9.6
Modulation	GFSK	Phase 1 Tx: C4FM, Rx: C4FM and WCQPSK
L3Harris Failsoft operation	Switch to site trunking mode (for L3Harris infrastructure) or P25 conventional	

ENCRYPTION

Encryption Algorithms	Voice Encryption: Single-key AES/DES, Multiple-key AES/DES, DES-OFB, Encryption Lite (ARC4), 256-bit AES P25, 64-bit DES Control Channel Encryption: 128-bit AES (LLA)
Encryption Keys per Radio	Capable of storing 128 keys (128 AES, 64 DES)
Keying	L3Harris Key Loader, Over-the-Air Rekeying (OTAR), Motorola KVL 3000+/4000
Standards	FIPS 140-2, FIPS 197

BATTERIES

Type	Dimensions (H x W x D)	Weight	Capacity (mAh)
Li-Ion	3.0 x 2.3 x 0.9 inch	4.8 oz (136 g)	3100

ACCESSORIES

The XL-200P is available with a selection of dependable L3Harris accessories that operate in a range of environments. Several are shown below.

Headsets

The XL-200P can be used with a wide variety of headsets and covert audio accessories to provide a complete user-gear solution for the industrial, Public Safety, Utility, and Transportation markets. Heavy-duty and lightweight headsets are available with in-ear or over-the-ear hearing protection, flexible boom microphones with noise-reduction technology, and standard or remote PTTs. In addition, the XL-200P can be used with Bone Conducting Skull Headsets and Throat Microphone/Headset Kits. Covert audio kits are available in black or beige, 2-wire or 3-wire configurations with ear-piece, microphone and PTT.



3-Wire Mini-Lapel Microphone



Tactical Headset

Speaker Microphones

L3Harris offers a versatile line of speaker microphones for the XL-200P.



Standard Mic



REVO NC2 Speaker Mic



Advanced Bluetooth Speaker Mic



500 Fire-Rated Speaker Mic

Chargers

L3Harris offers a variety of chargers for the XL-200P: Single-Bay, 2-Bay, Multi-Bay and a Vehicular Charger for in-car charging. The chargers are designed to quickly and safely charge battery packs in approximately 1 to 4 hours.



Single-Bay Charger



2-Bay Charger



Multi-Bay Charger*



Vehicular Charger*

Additional Accessories Available

*Accessories unavailable in Brazil

Technical specifications are subject to change without notice.
Product sales are subject to applicable U.S. export control laws.

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