

4450 US Highway 1
Vero Beach, FL 32967
888.275.4244 | ask4ci.com

Authorized L3Harris Reseller

L3Harris XL-185M Mobile Radio

The mobile 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.

| VENDOR | BRAND/MODEL | MSRP |
|------------------------------|---|------------|
| | L3HARRIS MOBILE RADIOS – XL-185M | |
| Communications International | L3Harris / XT-MPS+ - MOBILE, XL-185M, SINGLE-BAND | \$3,500.00 |
| | FEATURES/OPTIONS/ACCESSORIES | |
| Communications International | L3Harris / XT-PL4U - FEATURE, SINGLE-KEY DES ENCRYPTION | \$0.01 |
| Communications International | L3Harris / XT-PL4J - FEATURE, VHF BAND (CHOOSE ONE) | \$0.01 |
| Communications International | L3Harris / XT-PL4K - FEATURE, UHF BAND (CHOOSE ONE) | \$0.01 |
| Communications International | L3Harris / XT-PL4L - FEATURE, SINGLE BAND, 7/800 (CHOOSE ONE) | \$0.01 |
| Communications International | L3Harris / XT-PL9E - FEATURE, SINGLE-KEY AES ENCRYPTION | \$0.01 |
| Communications International | L3Harris / XT-PL4F - FEATURE, PHASE 2 TDMA | \$250.00 |
| Communications International | L3Harris / XT-PKGPT - FEATURE PACKAGE, P25 TRUNKING | \$1,500.00 |
| Communications International | L3Harris / XT-MA4A - KIT, MOUNTING XL-MOBILE UNIVERSAL | \$600.00 |
| Communications International | L3Harris / XT-MC6A - MICROPHONE, XL, STANDARD MOBILE | \$105.00 |
| Communications International | L3Harris / XT-AN8A - ANTENNA, ELEMENT, FLEXIBLE, V/U/700/800 | \$210.00 |
| Communications International | L3Harris / XT-AN6U - ANTENNA, BASE, STD ROOF MOUNT LOW LOSS | \$80.00 |
| Communications International | L3Harris / XT-CP6A - CONTROL UNIT, XL-CH | \$1,500.00 |



L3HARRIS™
FAST. FORWARD.

XL-185M P25 **MOBILE RADIO**



GO WHEREVER THE JOB TAKES YOU

Your job takes you into challenging locations, sometimes far from your team. No matter where you go and what demands you face, you can go with the knowledge that the XL-185M's robust design, crystal clear audio and powerful XL capabilities help keep you connected to the people and information you need to do your job well.

AND TAKE EFFICIENCY WITH YOU

In an emergency or at a remote location, you need to get things done quickly and efficiently. The XL-185M P25 Mobile Radio's intuitive user interface, high-visibility display and modular design are engineered for the unique demands of utilities and public safety—letting you get behind the wheel with confidence.

GO WITH CONFIDENCE
WITH CONNECTIVITY





READY TO ROLL

With the XL-185M, you're ready to go to where your mission takes you, with decades of L3Harris experience behind you.

Audio excellence

Includes up to 5 speaker outputs and a tough, ergonomic digital microphone that delivers crystal clear audio and advanced noise cancellation.

Standard Wi-Fi®, Bluetooth® and GPS

Enhanced connectivity options come standard so you can go more places.

Secure, rugged and reliable

Multiple encryption options keep communications protected. Meets MIL-STD-810G standards for tough conditions.

LTE-capable

The XL-185M becomes an on-the-go communications hub with field upgradeable LTE and broadband connectivity.*

Intuitive user interface

High-visibility 3.3-inch color LCD display, 8 programmable buttons and simple menu access.

Modular design

A standard rail-mount system supports flexible mounting configurations, reducing total cost of ownership.



*Future release

YOUR VEHICLE JUST GOT MORE POWERFUL

Introducing the newest member of the XL FAMILY

XL FAMILY FAMILIARITY

Like all of the members of the XL FAMILY of radios, the XL-185M is the result of our heritage equipping first responders to do remarkable work remarkably well. Engineered to have the same powerful features as the XL portable radios—including built-in encryption, GPS and exceptional audio with advanced noise cancellation—its advanced technology and intuitive interface maximize your efficiency even in the most challenging environments.

CONNECT IN MORE PLACES

Right out of the box, the XL-185M is ready to perform and help you tackle the difficult jobs that require clear and reliable communication. It transforms your vehicle into an on-the-go communications hub with the addition of built-in LTE connectivity, providing hot spot capabilities that keep you connected through an LMR or LTE network.*

*Future release



Introducing the XL-185M P25 Mobile Radio

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.





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XL-185M

Single-band P25 Mobile Radio

| GENERAL | |
|---|---|
| Dimensions (H x W x D) | |
| Radio Only | 2.0 x 6.9 x 9.7 in (49 x 174 x 230.5 mm) |
| Radio and Control Unit (includes knobs) | 2.4 x 6.9 x 12.8 in (60 x 175 x 320.7 mm) |
| Control Unit (Remote) (includes knobs) | 2.4 x 6.9 x 4.0 in (60 x 175 x 72.2mm) |
| Weight | |
| Front Mount Radio with Control Unit | 7.0 lbs (3.2 kg) |
| Control Unit (Remote Mount) | 1.3 lbs (0.6 kg) |
| Remote Mount Radio | 5.0 lbs (2.3 kg) |
| Channel/Talkgroup Capacity | 12,500 (1,250 per mission plan—up to 10 mission plans) |
| Control Unit | 18-bit color LCD, 480 pixels x 220 pixels, 3.3-inch color LCD with up to 3 lines of text, Visual Channel/7 Zone backlit indicator colors, 5 programmable favorites buttons, separate volume and channel selector knobs, built-in speaker, single DIN sizing, 2 USB-C ports (1 for microphone) |
| Speakers | |
| External, 15 W | Two channels of 15 W of audio (< 3% distortion) on both the radio body and control head |
| Internal, 3W | Built-in Control Head Speaker |
| Environmental Specifications | |
| Relative Humidity | Per MIL-STD-810G |
| Ambient Temperature Range | -22°F to +140°F (-30°C to 60°C) |
| Altitude: | |
| Operational | 15,000 ft (4,572 m) |
| In-Transit | 50,000 ft (15,240 m) |
| System Voltage | 10.8 to 16.3 VDC Negative Ground |
| GPS/GNSS | |
| Channels | P25 standard tier 2 and Harris in-band |
| Tracking Sensitivity (dBm) | 52 |
| Acquisition Sensitivity (dBm) | -166 (GPS), -163 (GLONASS) |
| Cold Start w/-130 dBm input | -146 (GPS) |
| Hot Start w/-130 dBm input | <35 seconds |
| | <1 second |
| LMR TRANSMITTER* | |
| Frequency Bands | 700/800 or 900 MHz (VHF and UHF configurations available soon) |
| Frequency Ranges (MHz) US | 769-775, 799-805, 806-816, 851-861, 896-901, 935-944 |
| Frequency Ranges (MHz) International | 763-776, 793-806, 806-825, 851-870, 896-902, 935-944 |
| Modulation Limiting (kHz) | 1.5, 2.5, 4, 5 (FM) |
| Audio Response | Meets TIA-603-D Section 3.2.6 |
| Spurious and Harmonics (dBc) | -75, FCC Part 90 |
| FM Hum and Noise | |
| @ 25 kHz (dB) | 47.0 |
| @ 12.5 kHz (dB) | 45.0 |
| Distortion (1kHz tone) (%) | <1.0 |
| Project 25 Modulation Fidelity (%) | <3.00 |
| Frequency Stability (-30 to +60°C) (ppm) | ±1.5 |
| Project 25 Adjacent Channel Power (dBc) | >67 |



The XL-185M is a single-band P25 mobile radio that delivers audio excellence through an ergonomic digital microphone and advanced noise cancellation technology to ensure that you can be heard in noisy environments. Designed for the unique demands of Utilities and Public Safety, the XL-185M is LTE-capable* and features standard Wi-Fi®, Bluetooth® and GPS. This advanced mobile radio meets MIL-STD-810G to survive the most rugged conditions and is easy to use with a high-visibility 3.3-inch color LCD display, 8 programmable buttons and simple menu access.

*Future release

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| LMR RECEIVER* | |
|---|--|
| Frequency Bands | 700/800 or 900 MHz |
| Frequency Ranges (MHz) US International | 768-776, 851-861, 935-944 763-776, 851-870, 935-944 |
| Channel Spacing (kHz) | 12.5, 20, 25 |
| Sensitivity (12 dB SINAD) | -119 dBm (all bands) |
| P25 Reference Sensitivity (5% BER) | -119 dBm (all bands) |
| Adjacent Channel Rejection @ 25 kHz (dB) | 73 |
| P25 Adjacent Channel Rejection @ 12.5 kHz (dB) | 60 |
| Intermodulation (dB) | 76 |
| FM Hum and Noise @ 25 kHz (dB) @ 12.5 kHz (dB) | 47 45 |
| Rated Speaker Audio Output Power (W) | 2 channels of 15W RMS into 4 Ohm |
| Audio Distortion | < 3.0% @ rated power |

*VHF and UHF configurations available soon

| BROADBAND | |
|-----------|--|
| 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) |
| LTE | Future release |

| 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-B |
| | Solar Radiation | 505.5 | 1/A1 |
| | IP65 (Control Unit) | 506.5 | 1, 3 |
| | IP54 (Radio) | 506.5 | 3 |
| | Humidity | 507.5 | 2 |
| | Salt Fog | 509.5 | 1 |
| | Blowing Dust | 510.5 | 1,2 |
| | Vibration (Basic Transportation) | 514.6 | 1, Category 4 |
| | Vibration (Minimum Integrity) | 514.6 | 1, Category 24 |
| | Shock (Crash Hazard) | 516.6 | 5 |
| | Shock (Bench Handling) | 516.6 | 6 |

| ENVIRONMENTAL STANDARD | | | |
|------------------------|---------------------------|---------------------|--|
| U.S. Forest Service | Vibration (10-60 Hz) | Paragraph 2.15 | |
| IEC 60529 | Dust-tight and water jets | IP65 (Control Unit) | Table 2, Par. 13.4 Table 3, Par. 14.2.5 |

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

| DIGITAL OPERATION | | |
|-----------------------------|--|----------------------------|
| Protocol | P25 | ProVoice™ |
| Vocoding Method | AMBE+2™ Enhanced Full Rate & Enhanced Half Rate | AMBE+2™ Enhanced Full Rate |
| Signaling Rate (kbps) | 9.6 | 9.6 |
| Modulation | Phase 1 TX: C4FM, RX: C4FM & WCQPSK Phase 2 TX: HCPM, RX: WCQPSK | GFSK |
| 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 | 128 keys (128 AES, 64 DES) |
| Encryption Keying | L3Harris Key Loader, P25 Conventional and Trunked Over-the-Air-Rekeying (OTAR) |

| REGULATORY DATA | | | | | | |
|-----------------------|--|---------------------------|----------------------------|----------------------|--------------------------------------|----------------------------------|
| Frequency Range (MHz) | RF Output (W) | Frequency Stability (ppm) | FCC Type Acceptance Number | Applicable FCC Rules | Industry Canada Certification Number | Applicable Industry Canada Rules |
| 763-776, 793-806 | 30.0 | 0.1 | OWDTR-0160-E | 90 | 3636B-0160 | RSS-119 |
| 806-825, 851-870 | 35.0 | 0.1 | OWDTR-0160-E | 90 | 3636B-0160 | RSS-119 |
| 896-901 | 35.0 | 0.1 | OWDTR-0160-E | 90 | 3636B-0160 | RSS-119 |
| 935-944 | 35.0 | 0.1 | OWDTR-0160-E | 90, 101 | 3636B-0160 | RSS-119 |
| Emission Designators | 16K0F3E, 16K0F1D, 16K0F1E, 14K0F3E, 14K0F1D, 14K0F1E, 11K0F3E, 11K7F1D, 11K7F1E, 7K10F1D, 7K10F1E, 8K40F1D, 8K40F1E, 8K10DXW, 18K5F1W, 12K9F1W | | | | | |

| ACCESSORIES | |
|---|--|
| Microphone: Tough, ergonomic digital microphone enabling noise cancellation | |
| External speaker: Light, compact, and carefully tuned for the human voice, the XL-185M external speakers deliver clear and loud mission critical voice in an easy-to-mount enclosure | |

XL-185M Single-Band Mobile Radio

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1025 W. NASA Boulevard
Melbourne, FL 32919