P25 PORTABLE AND MOBILE RADIOS
MISSION-CRITICAL COMMUNICATIONS

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The Harris XG and XL family of radios delivers clear, reliable and secure communication with proven interoperability. Simple to operate, the XG and XL series allows users to focus on the situation, rather than radio operations.

**XG-75P and XG-75Pe**

The XG-75P is a single-band radio operating in VHF, UHF-L, and 700/800 MHz frequency bands, while the XG-75Pe operates in only UHF-H and 700/800 MHz. Delivering multiple features and options, both portables are easily customizable to meet the user’s needs. Rugged, immersible (option) and intrinsically safe (option), the XG-75 series is the ideal P25 Phase 2 solution for customers who operate their radios in the toughest of conditions.

**XG-75M**

The XG-75M is a multimode mobile that delivers end-to-end encrypted digital voice and data communications, and is P25 Phase 2 capable.

**XG-25M**

The XG-25M is the most economical solution for those seeking the best in radio value. Armed with Bluetooth® capability and ready for operation in the narrowband frequencies, XG-25M meets the challenge without sacrificing the functionality expected from a Harris radio in the XG family. It is a Project 25 (P25) Phase 2 capable radio.

**Unity® XG-100M**

The Unity® XG-100M full-spectrum radio is the only mobile on the market that operates on both P25 digital and conventional analog on VHF, UHF-L, UHF-H and 700/800 MHz bands. Coupled with a low-band amplifier, this radio can also operate from 30 - 50 MHz. With its 16-bit touchscreen control head, it supports both AES and DES encryption and is P25 Phase 2 capable.
When communication and performance matter, the XG-25P meets the challenge. Armed with Bluetooth® functionality and ready for operation in the narrowband frequencies, the XG-25P is the best in radio value, for a P25 Phase 2 solution.

The user-friendly XG-15P single-band portable radio, operates on VHF, UHF-H and 700/800 MHz frequencies and is designed for public service agencies and private enterprises seeking to enhance communication capabilities. This radio is conveniently packaged with the desired software, antenna, belt-clip, battery and charger for one low price—making it the perfect choice for budget-conscious agencies.

Designed with input from mission-critical users, the XL-200P is an entirely new full-spectrum radio (i.e., processor, memory and software), that merges high-speed data with robust LMR voice to provide leading-edge connectivity. This radio can operate on both broadband and LMR, and can act as a Wi-Fi hotspot to provide broadband access at the scene. All XL-200P radios can be upgraded to LTE broadband by adding a modem board.
# P25 Portable Radios

**Tough Streets. Tough Radios.**

<table>
<thead>
<tr>
<th>MECHANICAL</th>
<th>XG-15P</th>
<th>XG-25P</th>
<th>XG-75P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated RF Power (W)</td>
<td>3.0 - 5.0</td>
<td>3.0 - 5.0</td>
<td>3.0 - 5.0</td>
</tr>
<tr>
<td>Channel Spacing (kHz) WB/NB</td>
<td>25/12.5</td>
<td>25/12.5</td>
<td>25/12.5</td>
</tr>
<tr>
<td>Dimensions (H in x W in x D in)</td>
<td>5.37 x 2.44 x 1.67</td>
<td>5.89 x 2.44 x 1.85</td>
<td>5.89 x 2.44 x 1.86</td>
</tr>
<tr>
<td>Approximate Weight (oz)</td>
<td>13.8</td>
<td>15.0 - 18.8</td>
<td>14.41 - 18.28</td>
</tr>
<tr>
<td>Battery Life (hrs/mAh)</td>
<td>10 hrs (2400 mAh)</td>
<td>8 hrs (2000 mAh) - 16 hrs (3600 mAh)</td>
<td>8 hrs (2000 mAh) - 16 hrs (3600 mAh)</td>
</tr>
<tr>
<td>Display</td>
<td>Dot Matrix LCD</td>
<td>Dot Matrix LCD</td>
<td>Dot Matrix LCD</td>
</tr>
<tr>
<td>Keypad</td>
<td>Full</td>
<td>Full or Limited</td>
<td>Full or Limited</td>
</tr>
<tr>
<td>Channel Bank Switch</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Channel/Talkgroup Capacity</td>
<td>512 Standard</td>
<td>512 Standard, 1,024 Optional</td>
<td>1,024 Standard</td>
</tr>
<tr>
<td>Personality Lock</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>GPS Capability</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Bluetooth® Functionality</td>
<td>Optional</td>
<td>Optional (Built-in)</td>
<td>Optional</td>
</tr>
<tr>
<td>Color (Case)</td>
<td>Gray</td>
<td>Black</td>
<td>Black &amp; Gray, Tactical Green, Midnight, Black and High-Visibility Yellow</td>
</tr>
<tr>
<td>Active Noise Cancellation</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>AMBE+2™ Vocoder (Noise Suppression)</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>AES &amp; DES Encryption</td>
<td>Single-key DES</td>
<td>Single-key DES, Multi-key AES/DES</td>
<td>Single-key DES, Multi-key AES/DES</td>
</tr>
<tr>
<td>Over-the-Air-Rekeying (OTAR)</td>
<td>—</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>Over-the-Air-Programming (OTAP)</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td>P25 Phase 2</td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
</tbody>
</table>

1. WB/NB designates Wideband and Narrowband.
2. Dimensions include the battery and excludes the measurement of the knobs and antenna.
3. Approximate weight includes the battery.
4. Future option.

**Features**

**Protocols**

**XG-15P**

- 512 Standard
- Optional
- Optional
- Optional
- Gray
- —
- P25
- Single-key DES
- —
- Optional
- Optional
- Optional

**XG-25P**

- 512 Standard, 1,024 Optional
- Optional
- Optional (Built-in)
- Black
- —
- OpenSky®, ProVoice™, P25
- Single-key DES, Multi-key AES/DES
- Optional
- Optional
- Optional

**XG-75P**

- 1,024 Standard
- Optional
- Optional
- Black & Gray, Tactical Green, Midnight, Black and High-Visibility Yellow
- —
- OpenSky®, ProVoice™, P25
- Single-key DES, Multi-key AES/DES
- Optional
- Optional
- Optional
## PORTABLE ACCESSORIES

### ADAPTERS
- Bluetooth® Adapter
- GPS Adapter

### AUDIO
- GPS Speaker Mics
- Bluetooth® Remote Speaker Mics
- Covert Earpieces
- Heavy-duty Headsets

### BATTERIES
- Li-Ion 8 hrs (2000 mAh)
- Li-Polymer 16 hrs (3600 mAh)
- NiMH 10 hrs (2400 mAh)

### CHARGERS
- Multi-bay Chargers
- Desk and Wall Chargers
- Vehicle-mount Chargers

### CARRYING
- Leather Cases and Nylon Cases
- Belt Loops and Swivel Mounts
- Leather Straps

### XG-75Pe
- Single-band UHF-H, 700/800
- 3.0 - 6.0
- 25/12.5
- 5.89 x 2.44 x 1.86
- 14.41 - 18.28
- 8 hrs (2000 mAh) - 16 hrs (3600 mAh)
- Dot Matrix LCD
- Full or Limited
- A/B/C
- Immerisible 2 m (4 hrs) IP-68
- 1,024 Standard
- Optional
- Optional
- Optional
- Black & Gray, Midnight Black and High-Visibility Yellow
- Standard
- ProVoice™, P25
- Single-key DES, Multi-key AES/DES
- Optional
- Optional
- Optional

### XL-200P
- Full-spectrum Multiband VHF, UHF-H, 700/800
- 0.1 - 6.0
- 25/12.5
- 5.8 x 2.3 x 1.4
- 16.2
- 10 hrs (3100 mAh)
- 16-bit Color Transreflective LCD (w/Backlight LED)
- Full or Limited
- A/B/C/D
- Immerisible 2 m (4 hrs) IP-68
- 12,500 Standard
- Optional
- Optional
- Optional
- Midnight Black and High-Visibility Yellow
- Standard
- ProVoice™, P25
- Single-key DES, Multi-key AES/DES
- Optional
- Optional
- Optional
# P25 MOBILE RADIOS

**FROM THE BATTLEFIELD, TO THE CITY STREETS. TRUST HARRIS.**

<table>
<thead>
<tr>
<th><strong>XG-25M</strong></th>
<th><strong>XG-75M</strong></th>
</tr>
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<tbody>
<tr>
<td><strong>Frequency Band (MHz)</strong></td>
<td>Single-band VHF, 700/800</td>
</tr>
<tr>
<td><strong>Rated RF Power (W)</strong></td>
<td>30 - 50</td>
</tr>
<tr>
<td><strong>Channel Spacing (kHz) WB/NB</strong></td>
<td>25/12.5</td>
</tr>
<tr>
<td><strong>Control Unit (CU) + Dimensions (H in x W in x D in)</strong></td>
<td>VHF Radio Only (50W): 2.8 x 7.24 x 7.9 700/800 MHz Radio Only (35W): 2.8 x 7.24 x 7.9</td>
</tr>
<tr>
<td><strong>Approximate Weight</strong></td>
<td>5.9</td>
</tr>
<tr>
<td><strong>Mounting Kit Options</strong></td>
<td>Front or Remote</td>
</tr>
<tr>
<td><strong>Control Head (CH) Keypad</strong></td>
<td>CH-25 Limited Keypad</td>
</tr>
<tr>
<td><strong>Handheld Control Head</strong></td>
<td>Optional</td>
</tr>
<tr>
<td><strong>Speaker (External)</strong></td>
<td>Optional</td>
</tr>
<tr>
<td><strong>Durability Rating (MIL-STD-810G)</strong></td>
<td>Dust-protected/Splashing Water IP-54</td>
</tr>
<tr>
<td><strong>Channel/Talkgroup Capacity</strong></td>
<td>512 Standard 1,024 Optional</td>
</tr>
<tr>
<td><strong>Personality Lock</strong></td>
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<td><strong>GPS Capability</strong></td>
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<td><strong>Bluetooth® Functionality</strong></td>
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<td><strong>P25 Phase 2</strong></td>
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1 WB/NB designates Wideband and Narrowband. 2 Approximate weight without the mounting bracket.
Moving to P25 technology puts Volusia County in a more competitive position when pursuing federal grant opportunities. To address the next generation of digital radio networks, interoperability issues, and to better coordinate our use of the limited radio spectrum, we chose Harris...

— B. Johnson, Volusia County Sheriff, Volusia County, Florida
About Harris Corporation
Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company’s advanced technology provides information and insight to customers operating in demanding environments from ocean to orbit and everywhere in between. Harris has approximately $7.5 billion in annualized revenue and supports customers in about 100 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.