THE FIRST TO RESPOND.
THE LAST TO GO HOME.

MOTOROLA APX™ MOBILE RADIOS
SAFETY REDEFINED

GET MORE INFORMATION. WITH LESS INTERACTION.

During a high-speed pursuit or when commanding a fireground scene, communication is vital; your focus can't be on operating the radio. Mission critical voice transmissions have to be heard over engine, siren and wind noise. Controls that send location and status information must be easy to locate. The radio has to perform— so you can communicate while remaining focused on the mission.

The APX™ P25 mission critical two-way radio series redefines safety in mobile communication. Whether your crews are manning the pumper truck or making road repairs, we designed every feature and function with our users in mind – from the rugged, easy to install design to the loudest, clearest audio. So when lives are at stake, your APX mobile isn't just operating, it's your lifeline.

THE WORLD'S LEADING P25 PLATFORM

ASTRO® 25 is the leading Project (P25) standards-based, mission critical system used by over 11,000 agencies around the world. With uncompromising real-world performance and legendary Motorola reliability, the ASTRO 25 solution continues to evolve, adding practical innovations and performance-driven capabilities that enable government agencies to protect their communities and to support neighboring communities through interoperability.

IMMEDIATE AND ASSURED VOICE IN AN EMERGENCY
When the emergency is critical, a call for help must get through. Motorola's ASTRO 25 solution is a dedicated communication system optimized for the needs of public safety to make sure the voice call gets through even during times of peak demand.

ACCESSIBILITY IN CHALLENGING ENVIRONMENTS
Tunnels, high rises and sub-basements create unique challenges for wireless communications. ASTRO 25 is optimized to handle these challenges by offering unique solutions to minimize interference in specific environments.

RELIABLE VOICE AND DATA INTEGRATED AS ONE
ASTRO 25 provides reliable, always-available communications so multiple agencies can share voice and data communication among their teams, deploy resources efficiently, maintain communication security and track personnel.

FUTURE READY PLATFORM
ASTRO 25 and APX mobile radios are flexible and future-ready, adapting to your communications needs and evolving to support new technologies and applications, so you can be ready for the next call the moment it happens.

INTEROPERABILITY ON DEMAND
APX mobile radios work across multiple P25 systems as well as digital and analog networks to achieve true interoperability. For multiband operation, the APX 7500 series offers seamless interoperability through any two frequency bands.

YOUR MOMENT IS COMING.
WHEN YOU NEED MISSION CRITICAL COMMUNICATIONS, WHO WILL YOU RELY ON?

EMS RACES TO A 5-CAR ACCIDENT	FIREFIGHTERS BATTLE A WAREHOUSE BLAZE	POLICE ENROUTE TO A STAKE-OUT	EQUIPMENT FAILS AT A COPPER MINE

FIRST RESPONDERS NEED CRITICAL INFORMATION IN REAL TIME

- Paramedics receive real-time updates from incident scene
- Locates closest teams to coordinate response
- Updates route information to speed teams to the scene
- EMTs communicate securely with the hospital as they triage

FIRST RESPONDERS MUST COMMUNICATE DESPITE EXCESSIVE NOISE

- Apparatus from multiple departments arrives on scene
- Extreme fireground noise from equipment, sirens or pumper trucks
- Responders need to hear and speak clearly with incident command
- Background noise must not drown out communications

OFFICERS NEED QUICK INFORMATION FOR BETTER DECISION-MAKING

- Communicate with multiple agencies on multiple systems
- Review suspect bulletin at a glance on the large screen, regardless of lighting conditions
- Operate controls easily without distracting from surveillance
- Install and maintain mobile radio without significant vehicle downtime

CREWS MUST COORDINATE A RESPONSE IN EXTREME CONDITIONS

- Report to main office, miles away, from the bottom of the pit
- Use mobile radios amidst clouds of dirt, smoke and debris
- Communicate clearly over heavy equipment and high-decibel noise
- Know their radios won't fail in harsh conditions

APX DELIVERS RELIABLE VOICE AND DATA

- Always-available, instant voice communications
- Real-time data
- Integrated GPS location tracking
- Secure, encrypted communications

APX DELIVERS LOUD, CLEAR AUDIO

- The loudest and clearest audio in the industry
- Aggressive noise suppression technology
- AMBE digital voice vocoder
- Audio profiles for different environments

APX DELIVERS EASY-TO-USE DESIGN

- Multiband P25 radios provide interoperability with surrounding agencies
- Large color displays are easy to read in bright sunlight and dark conditions
- Intuitive controls are easily differentiated by touch
- Mid- and high-power mobiles reuse XTL cables and mounting holes

APX DELIVERS RUGGED RELIABILITY

- Class leading RF specifications designed to operate in harsh environments
- Rugged performance in extreme environments
- Over 80 years of real-world product experience and testing
- Meets or exceeds stringent MIL-STD specifications

THE MOST COMPLETE LINEUP OF SAFETY-FOCUSED MOBILES.

For any agency and any budget, the APX mobile two-way radio series offers the most flexibility in meeting mission-critical communication needs – so you optimize every dollar, and equip first responders with the world's safest mobile radios. A complete line of APX mobiles, control heads and accessories – all designed to our legendary quality standards – is the key to creating solutions for all types of installations, from squad cars and motorcycles to fire apparatus and military vehicles.

APX 7500

- Multiband operation
- O2, O3, O5, O7 and O9 control head support
- Quad control head support
- Motorcycle configuration

Premier mobile with leading technology for the most demanding conditions. Ideal for agencies requiring multiband interoperability and future expandability.

APX 6500

- Single band operation
- O2, O3, O5 and O7 control head support
- Dual control head support

A smart investment delivering leading edge technology for public safety users. Ideal for agencies requiring advanced features in a single-band radio. Reduced feature set models are available (APX 6500Li).

APX 2500

- Single band operation
- Compact, easy to install design
- Affordable P25 solution

Compact, easy to install design with basic features. Ideal for agencies requiring a budget-friendly P25 mobile solution.

	APX 7500	APX 6500	APX 2500
CONTROL HEADS	O2, O3, O5, O7, O9	O2, O3, O5, O7	O2, O3, O7
Channel Capacity	1250	1000	512
Conventional and Trunking Personalities	555	455	355
SmartNet/SmartZone/Omnilink	✓	✓	✓
P25 Operation	FDMA & TDMA	FDMA & TDMA	FDMA & TDMA
Multiband Operation	✓		
Outdoor GPS location	✓	✓	✓
Intelligent Lighting	✓	✓	✓
Day and Night Mode	O2, O7, O9	O2, O7	O2, O7
Radio Profiles	✓	✓	✓
Text Messaging	✓	✓	✓
POP25	✓	✓	✓
Voice Announcement	✓	✓	✓
Adaptive Noise Suppression	✓	✓	✓
Adaptive Noise Suppression	✓	✓	✓
OTAR	✓	✓	✓
Mounting	D, R, M	D, R	D, R
High Power Models	✓	✓	
Multi-Control Head	Up to 4	Up to 2	Up to 2
Motorcycle Configuration	✓	✓	✓
Siren/PA Interface	✓	✓	✓
DEK Interface	✓	✓	✓

* Enhancement package available
** D - Dash mount, R - Remote mount, M - Motorcycle

ADVANCED SOFTWARE FEATURES

INTELLIGENT LIGHTING
Intelligent lighting uses color alerts to notify you of the radio mode, potential emergencies, or specific events.

RADIO PROFILES
Radios can be configured to adjust audio level, lighting and tones through user selected or automated options. Whether on surveillance or working in bright sunlight, you can customize settings as needed.

TEXT MESSAGING
Text messaging offers a freeform or canned messaging solution so you can efficiently and discreetly send and receive messages to and from subscribers or dispatch operators.

UNIFIED CALL LIST
Consolidates all call lists to make all information associated with a particular contact easily accessible.

VOICE ANNOUNCEMENT
Navigate through channels/talk-groups and zones in the radio, while an audible, pre-recorded voice file provides a description of the selected channel or zone.

ADVANCED HARDWARE FEATURES

P25 PHASE 2 CAPABLE
Provides twice the voice capacity. You add more users to your system without the need for additional frequencies or infrastructure.

GPS LOCATION
Integrated GPS receiver can transmit the outdoor location of a vehicle to map based location software.

MULTIBAND OPERATION
Multiple frequency bands supported with best-in-class transceiver specifications and performance.

SEAMLESS SCAN
Scan multiple protocols including FDMA and TDMA systems and multiple RF bands.

FUTURE READY

EXPANSION SLOT
Ability to add option cards and data applications to upgrade to the latest functionality.

MEMORY
Expandable memory slot to store future data applications. As technology needs grow, increased memory is available.

PROGRAMMING OVER PROJECT 25 (POP25)
Allows subscriber radios to be programmed over the air via the ASTRO 25 system while remaining in the field without interrupting voice operations.

MULTIPLE CONFIGURATIONS. OPTIMIZED FUNCTIONALITY.

The APX mobile portfolio is both flexible and adaptable, so your mission-critical communication system can meet current and future needs.

MID POWER INSTALLATION

Mounted remotely or in dash, fits into the existing XTL footprint allowing reuse of the mounting holes and cables for ease of installation.

HIGH POWER INSTALLATION

Mounted remotely, the simplified trunion design allows the radio to be removed without having to remove the cables.

RFID

12-character RFID asset tracking provides a fast, accurate and convenient method of obtaining valuable asset tracking information without having to uninstall the radio.

MULTIPLE CONTROL HEADS

O2 RUGGED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Built in 7.5 watt speaker
- Multiple control head configuration with O2 and O7
- Motorcycle configuration available
- Multifunction volume/ channel knob
- Night/day mode button

O3 HAND HELD CONTROL HEAD

- Large color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Integrated full size DTMF keypad
- Hand-held control head with intuitive user interface
- Two quick-access side buttons
- Display contrast selector

O5 STANDARD CONTROL HEAD

- Tri-color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Available with Keypad Microphone
- Multiple control head configuration, with up to four O5 heads
- Motorcycle configuration available
- Display contrast selector

O7 ENHANCED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Available with Lighting & Siren Controls or DTMF Keypad
- Multiple control head configuration with O2 and O7
- Motorcycle configuration available
- Multifunction volume/ channel knob
- Night/day mode button

O9 INTEGRATED CONTROL HEAD

- Extra-large full color display with intelligent lighting
- 2 lines of text 14 characters max / 1 line of icons / 1 line of menus
- Integrated full size DTMF keypad
- Large programmable one-touch buttons
- Dedicated siren controls
- Integrated Response Selector
- Night/day mode button

TURN UP SAFETY AND EASE OF USE WITH APX ACCESSORIES

Whether you use your radio in your vehicle, on your motorcycle or at your desk, you need to know that every word is communicated and every message is heard. Every APX mobile accessory has been designed and thoroughly tested to provide the same high level of performance you expect from your radio. Many accessories from Motorola XTL radios that use O5 and O3 control heads can be reused – maximizing your investment while you maintain the latest technology.

Unique accessories such as the IMPRES™ visor microphone allow hands-free communication, while IMPRES technology helps ensure your voice is heard regardless of how closely you are speaking into the microphone or how much wind or road noise is in the background.

Our accessories deliver maximum flexibility without compromising voice and data performance. The complete line includes:

- Microphones
- Speakers
- Sirens and public address kits
- Control station accessories
- Remote mount cables
- Antennas

APX P25 TWO-WAY RADIOS
SAFETY REDEFINED.

MOTOROLASOLUTIONS.COM/APX

WHEN YOU NEED SUPPORT, WE ARE THERE

We have teams of dedicated people ready to serve you, from designing a system to installing and servicing equipment to monitoring your system 24/7. Our System Support Center monitors over 500 systems and 4,000 sites, providing customers with real-time information. When questions come up, we answer them quickly – 85% are closed the same day.

TECHNOLOGY THAT'S SECOND NATURE™

APX P25 two-way radios are part of the Next Generation Public Safety Mission Critical Portfolio of products that offer seamless connectivity between first responders. Motorola puts real-time information in the hands of public safety personnel to provide better information that enables better decisions for better outcomes. It's Technology That's Second Nature™.

MOTOROLA

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