



**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 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.

Motorola created the APX™ P25 mission critical series to redefine safety in mobile communications. Every feature and function of an APX mobile is designed with its users in mind - from the rugged, easy to operate design, to the loud and clear audio. So when lives are at stake, your APX mobile isn't just operating, it's your lifeline.

## **INTEROPERABILITY ON DEMAND**

From street patrols to multi-agency response APX mobiles provide the highest level of interoperability. APX mobiles can work across multiple digital and analog networks from conventional, to SMARTNET® and SmartZone® to ASTRO® 25 providing true P25 interoperability. When multiband operation is needed, the APX 7500 provides seamless interoperability on demand through any 2 frequency bands.



# ONLY APX MOBILES MEET ALL THE CRITERIA THAT AGENCIES AND FIRST RESPONDERS DEMAND FOR SAFE AND RELIABLE COMMUNICATION IN ANY SITUATION.

## RELIABLE VOICE AND DATA

### AGENCIES DEMAND

- Voice communication that works every time, in any environment.
- Advanced systems to enter and receive data quickly and accurately.
- Seamless integration with multiple in-vehicle devices.

### APX DELIVERS

- Reliable voice communication.
- Real-time data.
- Secure end-to-end encrypted communications.
- GPS location tracking.

## LOUD, CLEAR AUDIO

### AGENCIES DEMAND

- Loud audio so every word is heard.
- Intelligible audio so every word is understood.
- Clear communications without background or ambient noise.

### APX DELIVERS

- Loud and clear audio.
- Aggressive noise suppression technology.
- AMBE digital voice vocoder.
- Audio profiles for different environments.

## EASY TO OPERATE

### AGENCIES DEMAND

- Transceivers that fit into existing installation space.
- Simplified interoperability with legacy and future systems and multiple agencies.
- Large viewable displays and intuitive controls that are easy to operate.

### APX DELIVERS

- Mid and high power mobiles that reuse cables and mounting holes.
- High power trunion design can be removed without unplugging cables.
- Well-positioned knobs and buttons that can be easily differentiated by touch.
- Seamless interoperable communications with multiple frequency bands, Motorola legacy systems, P25 Phase 1 and P25 Phase 2 systems.

## RUGGED DESIGN

### AGENCIES DEMAND

- Reliable operation in every situation.
- Minimal replacement and repair.
- Performance in extreme environments.

### APX DELIVERS

- 80 years of real-world product experience and testing.
- Meets or exceeds MIL-STD standard specifications.



# THE MOST COMPLETE LINEUP OF SAFETY-FOCUSED MOBILES.

For any agency and any budget, the APX Mobile platform offer 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 Motorola’s legendary quality standards – are key to creating solutions for all types of installations, from squad cars and motorcycles to fire apparatus and military vehicles.

## APX 7500

- Multiband operation
- 02, 03, 05, 07 and 09 control head support
- Quad control head support
- Motorcycle configuration



## APX 6500

- Single band operation
- 02, 03, 05 and 07 control head support
- Dual control head support



	APX 7500	APX 6500
CONTROL HEADS	02, 03, 05, 07, 09	02, 03, 05, 07
Max Channel Capacity	2000	870*
System Personalities	100	100
SmartNet/SmartZone/Omnalink	✓	✓
P25 Operation	Phase 1 - FDMA Phase 2 - TDMA	Phase 1 - FDMA Phase 2 - TDMA
Multiband Operation	✓	
Outdoor GPS location	✓	✓
Intelligent Lighting	✓	✓
Radio Profiles	✓	✓
Text Messaging	✓	✓
POP25	✓	✓
Voice Announcement	✓	✓
Adaptive Noise Suppression	✓	✓
Encryption	✓	✓
OTAR	✓	✓
Mounting	D, R, M**	D, R**
High Power Models	✓	✓
Multi-Control Head	Up to 4	Up to 2

\* 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.

### ENCRYPTION

Standard equipped with FIPS certified encryption hardware, for secure communications.

## 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



### 02 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 02 and 07
- Motorcycle configuration available
- Multifunction volume/channel knob
- Night/day mode button

### 03 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

### 05 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 05 heads
- Motorcycle configuration available
- Display contrast selector

### 07 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 02 and 07
- Motorcycle configuration available
- Multifunction volume/channel knob
- Night/day mode button

### 09 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 communicate on your mobile 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 Motorola 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 the Motorola XTL radios that utilize the O5 and O3 control heads can be reused – maximizing your investment while maintaining the latest technology.

Motorola accessories give you maximum flexibility without compromising voice and data performance.

A complete line of accessories include:

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

# APX P25 MOBILE 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™.

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