



APX™ DUAL RADIO

SEAMLESS MULTI-BAND INTEROPERABILITY FOR PUBLIC SAFETY FIRST RESPONDERS



Whether you are responding to a fire call or rushing to a robbery or break in, you need continuous communication and the ability to monitor voice activity at all times. With the APX Dual Radio public safety first responders will be able to achieve complete interoperability all from the ease of a single control head.

MULTI-BAND INTEROPERABILITY AT YOUR FINGERTIPS

With the APX Dual Radio, first responders are able to monitor and communicate with other agencies on up to four different frequency bands (7/800, VHF, UHF1, and UHF2) and systems utilizing one remote mounted APX 07 Control Head.

SIMULTANEOUS MULTIPLE CHANNEL MONITORING

By allowing simultaneously monitoring of two channels at a time, the APX Dual Radio ensures that users never miss a transmission and voice priority is never compromised. It is the ideal solution for first responders who need to monitor and respond to all activity 24/7. For example, first responders can continuously monitor a priority talk group that is on the same system as their working talk group. They can also monitor a conventional mutual aid channel while simultaneously monitoring their trunking dispatch talk group.

PRIORITY CHANNEL SCAN IS ALWAYS AVAILABLE

APX Dual radio provides public safety users the ability to scan across trunking and conventional channels without losing priority using two separate scan lists.

APX COMPATIBLE EQUIPMENT



07 ENHANCED CONTROL HEAD

- Large color display with intelligent lighting
- 3 lines of text 15 characters max/1 line of icons/1 line of menus
- Available with Lighting and Siren Controls or DTMF Keypad
- Multiple control head configuration (up to 4)
- Configuration available
- Multifunction volume/channel knob
- Night/day mode button



APX DUAL RADIO FEATURES AND BENEFITS

- Provides seamless interoperability with agency personnel on up to four different frequency bands from one control head
- Ability to simultaneously monitor more than one channel at the same time
- Ability to scan across trunking and conventional systems without losing priority channels
- Ability to mix and match different radio models across tiers (APX 7500, 6500, and 6500Li) and power levels (high and mid)
- Radios can be on different or same frequency bands and have different options and features
- Optional stack mount trunnion for mid power models makes installation easier
- Makes it easier for users to distinguish between the audio from the two different radios by routing it to two separate speakers (optional audio combiner allows for mixed audio)
- Gives customers the flexibility to program the radios as either Primary or Secondary to use in a dual radio configuration, or as standalone radios to use in standard installations.

APX 7500 AND 6500 SPECIFICATION INFORMATION

For radio specification information please refer to the [APX 7500](#) and [APX 6500](#) specification sheets.

APX DUAL RADIO USER INTERFACE

The APX Dual Radio provides first responders with an intuitive user interface that makes it easy to swap back and forth between radios and to know which radio is selected and which is receiving audio.

STANDARD EQUIPMENT

APX 7500, 6500, or 6500Li mobile radio

Provides two pieces of standard equipment. Either Dual Radio 1.5 ft. Cable or Dual Radio Short Right Angle Cable. The Speaker Extension Cable will always come standard.

- **Dual Radio 1.5 ft. Cable** – Short CAN cable that connects Primary and Secondary radio for side by side set ups. Ships standard always except when stack mount trunnion is ordered.
- **OR**
- **Dual Radio Short Right Angle Cable** – Short CAN cable with right angle to connect Primary and Secondary radios for stack mount setups. Ships standard when stack mount trunnion is ordered.
- **Speaker Extension Cable** – 30 ft. extension cable to allow customers to connect one speaker directly to the Secondary radio and run it all the way to the vehicle cabin.

OPTIONAL EQUIPMENT

- **Stack Mount Trunnion:** Allows customers to stack mount two mid power radios.
- **Audio Combiner:** Allows for the audio streams from the Primary and Secondary radio to be combined into one headset or speaker.



PRIMARY RADIO SELECTED

White background indicates Primary Radio is selected

"Swap" button allows user to switch to Secondary Radio



Enlarged white box indicates Primary Radio is selected

Waves indicate audio is being received on Secondary Radio

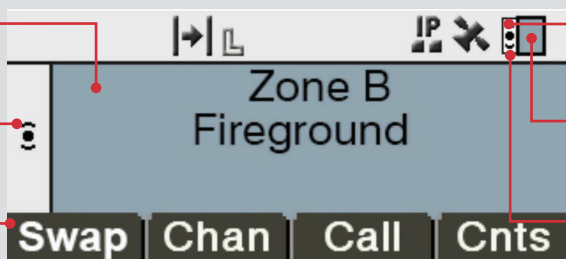
Blue color bar representative of Secondary Radio

SECONDARY RADIO SELECTED

Blue background indicates Secondary Radio Selected

Waves indicate audio is being received on Primary Radio

"Swap" button allows user to switch to Primary Radio



White color bar representative of Primary Radio

Enlarged blue box indicates Secondary Radio is selected

Waves indicate audio is being received on Primary Radio



To learn more about how APX Dual Radio P25 mobile radio solution can help streamline information access, management and sharing across your operations, contact your Motorola representative or visit motorolasolutions.com/apxdualradio.

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