



Brochure

# APX N70 XE

single-band P25 smart radio

Keeping firefighters safe,  
focused and always in touch



**MOTOROLA** SOLUTIONS





# Equipping fire crews with smart, rugged, reliable communications, streamlined management and simplified ownership

When lives are threatened, your radio can be the lifeline that keeps teams safe, focused and in touch during critical moments. The APX N70 XE radio helps your personnel be ready for any challenge — even in extreme environments.





Made for firefighters and EMS personnel on the front line, the APX N70 XE combines high tier adaptive audio with sure, intuitive operation, advanced connectivity and streamlined device management.

Every element of the radio's tough, ergonomic design is focused on maximizing task performance. Large control knobs and buttons can be operated while wearing thick gloves. The 3" touch screen lets firefighters view critical information and interact with smart apps, via a clear user interface.

Adaptive audio monitors the surrounding environment and adjusts the radio's sound settings for maximum clarity. High Dynamic Range mics handle extremes in speech volume – from a whisper to an urgent scream for assistance – without distortion.

Advanced processing filters out noise and suppresses feedback, so firefighters can always hear and be heard loud and clear.

The APX N70 XE goes beyond boundaries with Wi-Fi and optional LTE connectivity, keeping crew members in touch even when they are outside regular radio coverage. Optional smart apps and services further enhance performance, heightening situational awareness and enabling more effective collaboration.

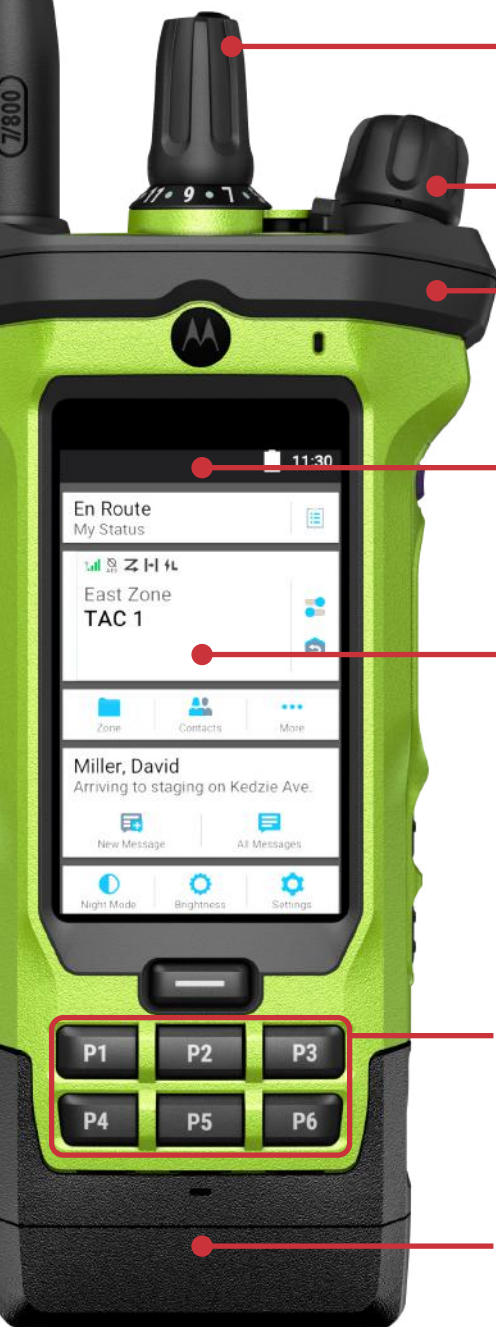
A superior ownership experience helps amplify the return on investment, while reducing the burden on time-stretched radio managers. An entire fleet of radios can be provisioned and updated over the air – ensuring secure, reliable operation and giving access to new apps and functions, without needing to take radios out of service for manual maintenance.



# Rugged performer

Tough, familiar, and ready to handle any challenge, even in harsh conditions.

Refined through Motorola Solutions' decades of experience in the public safety space, the APX N70 XE maintains an unwavering focus on reliable operations, even when wearing heavy gloves.



## Large channel knob

Easy to access and operate, feels different from volume knob

## Angled power/volume knob

Stands out from other controls, for optimal access

## Ergonomic T-grip design

Helps ensure the radio stays in the hand

## 3-inch Corning® Gorilla® Glass screen

See and interact with critical information at a glance

## SmartTouch interface

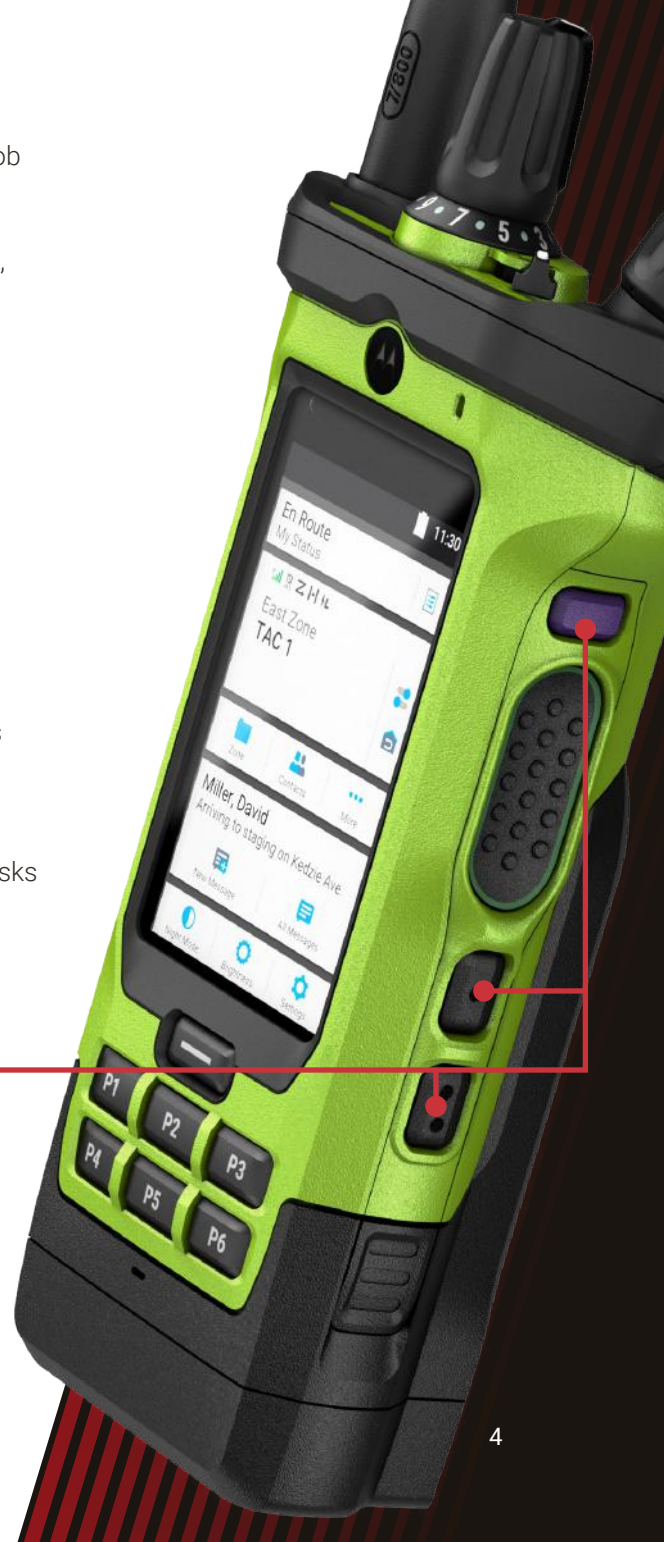
- Focused on essential needs
- Large, intuitive icons
- Easy to use wearing gloves
- Quick switching between tasks

## Programmable buttons

Nine programmable buttons for one-touch quick access

## HAZLOC-rated Div I battery

Safe to use where flammable or explosive gases may be present







# Maximum clarity

## Adaptive audio that's responsive to your environment

Firefighters and EMS personnel are dependent on being able to hear and be heard clearly.

The APX N70 XE smart radio delivers the loudest and most intelligible audio possible, so crucial messages always get through without seconds wasted re-adjusting the radio's audio settings.



The advanced **Adaptive audio engine** manages gain, equalization, noise suppression and other sound parameters. The result: optimal speech quality, either in whisper-quiet conditions or challenging environments where loud extraneous noise can make it hard to hear or be heard.



**Dual High Dynamic Range (HDR) microphones** on the radio's front and rear ensure that the firefighter's voice is always picked up clearly from either direction. Advanced beam-forming technology can even "steer" mic sensitivity to track the user's voice. Higher saturation level handles extremely loud voices, minimizing distortion even when the incident commanders' shouting or screaming in stressful situations.



**Automatic acoustic feedback suppression** enables team members to work closely together without needing to manually lower their radio's audio volume or distancing themselves from each other to avoid the audio feedback howl.



**Receive volume leveling** ensures that both loud and soft talkers can be heard clearly at one consistent volume, cutting the need to constantly adjust the radio volume to accommodate different voices.



The **Noise sensing volume control** 'listens' to noise levels in the user's surrounding environment, automatically adjusting the radio's receive volume for comfortable listening in varying background conditions.



The powerful **3W speaker** delivers a maximum loudness of 102 phons on the base model, while the optional enhanced audio bundle boosts this to 105 phons— a perceived increase in loudness of 25% that ensures greater intelligibility without distortion to combat high background noise levels. The speaker also doubles as a Speaker As Mic (SAM), filtering wind and background noise without impairing speech quality.



# Essential accessories

## Audio

The XVE500m Remote Speaker Microphone is the next generation mission-critical RSM, designed specifically for extreme and challenging environments. This RSM is ideal for Firefighters, Emergency Response Personnel, and other public safety personnel. \*This Remote Speaker Microphone utilizes the GCAI-Mini.



## Energy

Work with confidence knowing your radios will be ready. Our IMPRES 2 batteries and charging solutions let you be flexible while also ensuring your safety with HAZLOC rated, UL Div 1 certified equipment.



## Carry

Keep your device safe from the elements. Choose from a wide variety of carry options including belt clips, holsters, and leather cases.



## Antennas

The latest antennas from Motorola Solutions are crafted for comfort while still delivering high performance. Their compact and adaptable design suits the needs of mission-critical environments.



For a complete list of compatible accessories, please visit:  
[motorolasolutions.com/apxaccessories](https://motorolasolutions.com/apxaccessories)





# Intelligence beyond P25

## Smart apps and services to enhance firefighters' task performance

The role of the firefighter's radio is evolving. The APX N70 XE radio provides firefighters with reliable voice and data connectivity, and access to a powerful ecosystem of feature-rich applications that increase situational awareness and collaboration. It also supports broadband LTE networks for high-speed data transfers, device updates, and remote radio provisioning.

**SmartConnect** automatically switches connectivity between regular radio coverage and LTE/Wi-Fi networks, maintaining dependable voice communications beyond short-range P25 coverage. The speed and wide-area network coverage of LTE also connects firefighters with a rich ecosystem of apps by Motorola Solutions, boosting situational awareness and streamlining workflow for frontline personnel.

**SmartLocate** leverages LTE high-speed broadband for more frequent first responder position updates over GPS. Giving crew members and controllers an even quicker fix on colleagues' physical locations, it can mean seconds saved – and the difference between positive knowledge and uncertainty about a firefighter's situation during life-threatening incidents.

**SmartIncident** keeps firefighters informed and on top of the situation, enhancing their situational awareness with key information including assignment notifications, incident updates, CAD comments, map views of deployed units and hazards in the vicinity.

**SmartMessaging** complements a first responder's voice communications with instant text, photo and video clips, giving a more complete view of an unfolding incident.

**ViQi Virtual Partner** saves valuable time and effort for busy dispatch teams, letting firefighters run database queries using hands-free voice commands for fast, secure, eyes-up access to information. ViQi Voice Control helps firefighters stay focused, performing functions like changing radio channels or check battery status with voice commands.

**SmartProgramming** allows super-speed over-the-air device updates wherever LTE cellular network coverage is available – so radios can stay out in the field where they're needed as a lifeline for firefighters, rather than being recalled to base.

**SmartMapping** keeps everyone in the picture, displaying the location of personnel in the vicinity to keep incident commanders apprised of the situation and allowing firefighters to summon support quickly. SmartIncident keeps firefighters informed and on top of the situation, enhancing their situational awareness with key information including assignment notifications, incident updates, CAD comments, map views of deployed units and hazards in the vicinity.



# Streamlined ownership

## Superior connectivity and management with lowered ownership costs

Managing a fleet of radios can be a significant cost and time burden for fire services and public safety agencies.

The APX N70 XE saves valuable time and effort for busy radio managers, simplifying fleet set-up and day-to-day management – reducing IT hassles and delivering a welcome reduction in lifetime ownership costs.

Radio updates can be pushed out over the air to all devices in the field, over Wi-Fi or LTE. Everything is accomplished in minutes via an efficient web-based user interface, delivering big time savings for radio managers and eliminating the need to recall radios from the field for one-by-one manual device updates.

Touchless Key Provisioning is a quick one-time process that securely delivers initial encryption keys plus subsequent key updates over the air to each radio, ensuring that critical voice and data communications are never at risk of interception.

To learn more, visit:  
[motorolasolutions.com/APXN70XE](https://motorolasolutions.com/APXN70XE)



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