

# **APX PORTABLE AND MOBILE RELEASE NOTES SR2024.1**

Updated: September 2024



## APPENDIX A

# APX PORTABLE AND MOBILE RELEASE NOTES

SUBSCRIBER APX R33.52.00

Updated: September 2024

**This baseline release is orderable for one year and is intended for customers purchasing new products without requiring new feature content.**

### APX Portable Platforms

APX 8000	APX 7000	APX N50	APX N30
APX 8000XE	APX 7000L	APX 4000 (1&2 knob)	APX 2000
APX 8000H	APX 7000XE	APX 4000H	APX 1000
APX 8000HXE	APX 6000	APX 3000	APX 900
	APX 6000XE		VX-P949
	APX 6000Li		SRX 2200

### APX Mobile Platforms

APX 8500	APX 7500	APX 4500	TXM 2000 VHF
APX 8500HP	APX 6500	APX 4500Li	TXM 3000 v 2.4
	APX 6500Li	APX 2500	
		APX 1500	

**New APX firmware version:** R33.52.00

**Previous APX firmware version:** R33.40.00

**APX VR Platforms:** DVR-LX/DVR/VRX1000

**New Version:** R1.90

**Previous Version:** R1.85

Companion Futurecom Repeater Configuration software, FRC 1.45



## A.1

# IMPORTANT NOTES

### **Abstract: R33.52.00 is a maintenance release (MR)**

- **Description:** Please see "Updates" section for new release content.

## A.2

# NEW FEATURES

### **Abstract: Digital Tone Signaling Encode/Decode Balancing**

- **System Platforms Affected:** APX Standard BN models
- **Special Configurations: Require** QA09000- ADD: DIGITAL TONE SIGNALING
- **Description:** Extends the legacy feature (P25 Astro Alerting/P25 Tone Signaling) by allowing all 100 tones in the tone signaling list to be configured for decode  
Note: There will be no change to the OMAP radios and they will continue to be able to decode only the first 10 tones in the tone signaling list.

### **Abstract: Voice Announcement for Channel Fallback**

- **System Platforms Affected:** APX Standard radios and APX N30/N50
- **Special Configurations:** Customer who uses a radio as both a DVRS PSU and a Trunking subscriber
- **Description:** Enhancement of Channel fallback functionality to include Voice Announcements. Separate voice announcement audio may be selected to play for toggling on and off of the feature  
To use Text-to-Speech voice announcements instead of audio files, the Voice Control option must be available on APX N50, and N30 radios.  
Reference Channel fallback: Seamless portable radio user operation and automatic switching from a DVRS mode to a Trunking or SmartConnect mode (LTE or WiFi) when users leave the coverage area of the DVRS.

### **Abstract: MS-OTAR-ADP-Keyloading**

- **System Platforms Affected:** APX Standard, APX N30/N50
- **Special Configurations:**  
OTAR and MSOTAR for HW ADP Key Loading from Secure Profile (Q498/G298 & QA07680/GA01620 )  
OTAR for HW ADP Key Loading from Secure Wide (Q498/G298)  
OTAR and ADP for SW ADP Key Loading from Secure Wide (Q498/G298 & Q667/G193)  
New PCI MACE ADP Key Loading Capable is present.
- **Description:** This feature allows HW & SW ADP Keyloading from Secure Wide Encryption Key List and HW ADP Key Loading from Secure Profile Encryption Key List.

### **Abstract: Channel Search from Keypad Mic**

- **System Platforms Affected:** APX Mobiles with Keypad Mic (HMN4079)
- **Special Configurations:**
- **Description:** Allow assignment of the "Channel Search" action on the "Data Button" of the HMN4079 Keypad Mic.  
The 'Green tick' button on the HMN4079 Keypad Mic would activate the "Srch" action when in the Channel Search submenu on the radio.



### **Abstract: Inclusive Language Refresh - Man Down text changing to Fall Alert**

- **System Platforms Affected:** All Radios
- **Special Configurations:**
- **Description:** In support of MSI's inclusivity, "Man Down" text is being removed from the Radio user interface, programming software and replaced with "Fall Alert"

### **Abstract: Decode Key ID Multikey- parity**

- **System Platforms Affected:** Adding support on APX N30/N50
- **Special Configurations:** Requires H869: ENH: MULTIKEY
- **Description:** This parity feature is to decode the secure key id over the trunking system when it is received in the radio.

### **Abstract: Digital Conventional PTT Tone for AN radios**

- **System Platforms Affected:** Only supported on Motorola Digital Conventional Duplex repeaters.
- **Special Configurations:** N/A
- **Description:** This feature enables the AN radios to sound a standard P25 talk permit tone or talk prohibit tone when PTT is triggered in the Digital Conventional channel.



## UPDATES

### **Abstract: APX mobile radios configured with a remote control head have inconsistent audio levels**

- **System Platforms Affected:** N/A
- **Special Configurations:** 02, 05, 07, 09, or E5 remote control head connected to an external speaker
- **Description:** Prior to this release, APX mobile radios configured with a remote control head and an external speaker may have inconsistent audio levels between the internal and external speakers when the Volume Adjust Tone Offset is enabled.

### **Abstract: APX Standard radios cannot clear the Volume setting from the display through the Multi-Function knob**

- **System Platforms Affected:** N/A
- **Special Configurations:** APX Mobile radios with an 02 or 07 Control Head  
APX Portable radios: APX900, APX1000, APX2000, APX4000
- **Description:** Starting with R27.01.00 until this release, APX Standard radios with a Multi-Function Knob cannot clear the Volume setting by pressing the Multi-Function knob preventing the user from accessing the secondary function.

### **Abstract: In some situations, APX radios may display an intermittent Fail 001 error message accompanied by an audible tone.**

- **System Platforms Affected:** N30 & N50
- **Special Configurations:** N/A
- **Description:** Prior to this release, APX radios may display Fail 001 error message with an audible tone that alerts the user when the radio has failed to lock on the requested RF channel. Typically this will only be seen as a single momentary alert which is automatically cleared as the radio successfully locks following an immediate retry, but in some rare situations, the failure may persist, requiring a channel change or power cycle to resolve.  
<https://learning.motorolasolutions.com/motorola-technical-notice-mtn/88512enus>

### **Abstract: APX radios will not transmit configured location updates upon a PTT or Emergency.**

- **System Platforms Affected:** P25 Trunking with Location on Receive enabled
- **Special Configurations:** Location on PTT/Emergency Call
- **Description:** Prior to this release and starting with the R32.03.00 release, location updates related to PTT and Emergency Call are not being transmitted to the system.

### **Abstract: APX radios may reset after the radio initiates an Emergency Alarm followed by an Emergency call.**

- **System Platforms Affected:** N/A
- **Special Configurations:** Personnel Accountability + MDC Signaling/Trailing PTT-ID
- **Description:** Prior to this release and starting with R20.21.00, APX radios configured for “PA and MDC” signaling and Trailing PTT-ID may reset after being put into Emergency mode, initiating an Emergency call and receiving radio dekeying at the end of the call.



**Abstract: APX radios operating on a Type II Trunking system may not provide an Emergency Hot Mic Tx Duration**

- **System Platforms Affected:** Legacy Type II Trunking systems
  - **Note:** SmartX Type II systems not impacted
- **Special Configurations:** Emergency Hot Mic
- **Description:** Prior to this release and starting with R32.03.00, APX radios operating on a Type II Trunking system will not transmit for the configured Emergency Hot Mic Tx Duration when an Emergency event is triggered by the radio.

**Abstract: APX radios operating on a APCO Trunking system may not provide an Emergency Hot Mic Tx Duration**

- **System Platforms Affected:** APCO Trunking systems
- **Special Configurations:** Emergency System Revert
- **Description:** Prior to this release and starting with R32.03.00, APX radios configured for Emergency System Revert and operating on a APCO Trunking system will not transmit for the configured Emergency Hot Mic Tx Duration when an Emergency event is triggered by the radio.

**Abstract: APX Mobile radios may not power on successfully through the ignition switch**

- **System Platforms Affected:** N/A
- **Special Configurations:** Dash Mount only
- **Description:** Starting with R32.03.00 and prior to this release, APX mobile radios with a dash mount control head installation will not power up correctly when the ignition is switched to the accessory position and a time delay exists before switching the vehicle to the ON position. In this situation, the radio will power off when the ignition switch is turned to the ON position.

**Abstract: MACE Version Update**

- **System Platforms Affected:** N/A
- **Special Configurations:** N/A
- **Description:** The new MACE software version included in 2024.2 release has been updated to meet the production code signing requirements as specified in the NIST Digital Signature Standard. This new MACE software version has NO functional changes.

**Abstract: Unable to clear the emergency talkgroup status from a Harris dispatch console**

- **System Platforms Affected:** Only Harris systems
- **Special Configurations:** Emergency Exit Control set to Subscriber Only, Supervisor, or Both Subscriber and Console
- **Description:** Starting with SR2023.3 and prior to this release, users cannot clear the emergency status on their talkgroup following a long press of the orange emergency button.

