

APX NEXT™ Subscriber

Two-Way Radio

APX NEXT Release Notes

SR2024.1

JUNE 2024

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Appendix A

APX NEXT Release Notes

Subscriber APX NEXT R06.04.00

Updated: June 2024

This Baseline Release is intended for customers requiring the latest release feature content.

APX NEXT Platforms: APX NEXT, APX NEXTi, APX NEXT XE, and APX NEXT XN

New APX Firmware Version: R06.04.00

Previous APX Firmware Version: R05.05.00

A.1

Important Notes

Abstract: Scheduled Release

Description: N/A

A.2

New/ Replacement Products

N/A

A.3

New Features

Abstract: Digital Tone Signaling Encode/Decode Balancing

System Platforms Affected: APX NEXT radios

Special Configurations: Requires QA09000-ADD: DIGITAL TONE SIGNALING

Description: Extends the legacy feature (P25 ASTRO® Alerting or 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 ten tones in the tone signaling list.

Abstract: Voice Announcement for Channel Fallback

System Platforms Affected: APX NEXT radios

Special Configurations: Customers who use a radio as both a DVRS PSU and a Trunking subscriber.

Requires QA09028 - ViQi Voice Control or QA08715/QA08715 - Basic Voice Control (for Text-to-Speech only).

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 NEXT radios.

Reference Channel Fallback: Seamless portable radio user operation and automatic switching from a DVRS mode to a Trunking or SmartConnect mode (LTE or Wi-Fi) when users leave the coverage area of the DVRS.

Abstract: MS-OTAR-ADP-Keyloading

System Platforms Affected: APX NEXT

Special Configurations: OTAR and MS-OTAR for Hardware ADP Key Loading from Secure Profile (Q498/G298 and QA07680/GA01620).

OTAR for Hardware ADP Key Loading from Secure Wide (Q498/G298).

OTAR and ADP for Software ADP Key Loading from Secure Wide (Q498/G298 & Q667/G193).

New PCI MACE ADP Key Loading Capable is present.

Description: This feature allows Hardware and Software ADP Keyloading from Secure Wide Encryption Key List and Hardware ADP Key Loading from Secure Profile Encryption Key List.

Abstract: LTE Configurability

System Platforms Affected: APX NEXT

Special Configurations: N/A

Description: This feature allows you to turn LTE on or off using configuration tools.

Abstract: Inclusive Language Refresh – Man Down Text Changing to Fall Alert

System Platforms Affected: All Radios

Special Configurations: N/A

Description: In support of Motorola Solutions Inc. inclusivity, “Man Down” text is being removed from the radio user interface, programming software, and replaced with “Fall Alert” text.

Abstract: Decode Key ID Multikey – Parity

System Platforms Affected: Adding support on APX NEXT

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: Use ViQi Virtual Partner for Location Query and Unit Management when Command Central Auto-Login is Enabled (US Only)

System Platforms Affected: APX NEXT family and APX N70 (US only).

Special Configurations: QA09028: VIQI VC RADIO OPERATION.

Subscription to support ViQi Virtual Partner.

Description: Enabling CommandCentral Auto-Login (DBA device certificate-based login) requires the CPS flag to disable the ability to enable ViQi Virtual Partner as DBA is not considered CJIS compliant. Now the ViQi VP has introduced independently enabled functions such as unit management, status query, and location query that do not require CJIS compliance. Customers can now use the new ViQi VP query features with CommandCentral Auto-Login.

Abstract: Support WPA3-SAE

System Platforms Affected: APX N70

Special Configurations: Only Wi-Fi Connections

Description: Supports new configuration for WPA3-Personal or WPA3-SAE. When configured for WPA3-SAE, fallback to WPA2 is disabled. When configured for WPA2, automatic promotion to WPA3-SAE occurs if AP is supporting WPA3.

Abstract: Device Support of RSM Update through Flashport (USB) for WM800

System Platforms Affected: APX NEXT and APX NEXT XE with WM800 RSM

Special Configurations: Requires QA00583: Bluetooth

Description: Support of WM800 in CPS/RM and RC.

Abstract: Configurable Minimum Volume for WM800

System Platforms Affected: APX NEXT and APX NEXT XE with WM800 RSM

Special Configurations: Requires QA00583: Bluetooth

Description: WM800 is able to reach a near zero volume level when paired and connected to the radio.

The user is able to configure the minimum or maximum volume level of WM800 (paired and connected to the radio) in radio codeplug through RC/CPS.

Abstract: COTS Accessory Support through Hands Free Profile (HFP)

System Platforms Affected: APX NEXT and APX NEXT XE

Special Configurations: Requires QA00583: Bluetooth.

Standard or Standard NFC Bluetooth Pairing Type is needed.

Description: Bluetooth HFP support has been added to APX NEXT and this profile is also used by more modern COTS accessories for two-way communication over bluetooth (example, phone calls).



NOTE: The user must use the volume control on the COTS accessory to adjust the volume.

Abstract: RSSI and dBm on Top Display

System Platforms Affected: APX NEXT

Special Configurations: This feature is dependent upon the **Conventional RSSI Display** setting being enabled.

Description: This feature displays the RSSI/dBm value (signal strength detected by the radio) on the top display.

A.4

Updates

Abstract: Smart Mapping Connection Does Not Work Properly when a User is Connected to Wi-Fi with No Internet.


System Platforms Affected: APX NEXT and APX N70.

Special Configurations: The radio is connected to Wi-Fi without internet.

Description: If the radio is connected to Wi-Fi without internet, it might not be able to auto switch to LTE for Command Central or Smart Mapping update that might result in degradation of the smart features.

Abstract: APX NEXT Radios Operating on a Type II Trunking System May Not Provide an Emergency Hot Mic Tx Duration.

System Platforms Affected: Legacy Type II Trunking Analog Systems.

 **NOTE:** SmartX Type II Systems is not impacted.

Special Configurations: Emergency at Invalid Sites.

Description: Starting with R32.03.00, APX radios operating on a Type II Trunking System will not transmit for the configured Emergency Hot Mix Tx Duration after an Emergency event is triggered by the radio.

Abstract: APX NEXT Radios Operating on an APCO Trunking System May Not Provide an Emergency Hot Mic Tx Duration.

System Platforms Affected: APCO Trunking System.

Special Configurations: Emergency System Revert.

Description: Before this release and starting with R05.05.00, APX NEXT radios configured for Emergency System Revert and operating on an APCO Trunking system will not transmit for the configured Emergency Hot Mic Tx Duration when an emergency event is triggered by the radio.