

APX NEXT™ Subscriber

Two-Way Radio

APX NEXT Release Notes

SR2024.2

SEPTEMBER 2024

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Appendix A

APX NEXT Release Notes

Subscriber APX NEXT R07.02.00

Updated: September 2024

This Feature 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: R07.02.00

Previous APX Firmware Version: R06.04.00

A.1

New Features

Abstract: APX Zone Cloning Tool Support

System Platforms Affected: APX NEXT

Special Configurations: Radio needs to have Q52 or Q53 enabled.

Description: The firmware will add support for the APX Zone Cloning Tool - a standalone zone cloning tool that provides the ability for the wildfire and disaster response community to build zone templates in a simple PC application and clone to radios. This significantly reduces opportunities for errors and speeds up the radio zone cloning process of large quantities of radios with high accuracy.

Abstract: Hardcode Interrupted VA Attempts

System Platforms Affected: APX NEXT XN

Special Configurations: N/A

Description: This feature limits the number of attempts to one for the Voice Announcements (VA) to be repeated when interrupted by received audio or higher priority voice announcements.

Abstract: APX Initial Trunking Affiliation Tone

System Platforms Affected: All radios

Special Configurations: N/A

Description: P25 Trunking radios play a series of three quick beeps upon initial successful affiliation upon power up or channel change (LMR or SmartConnect Site).

Abstract: Range Extension Enhancements for DVR-LX/VRX1000 - Voice Solution

System Platforms Affected: All APX portables which support PSU operation, APX8500, APX6500 BN

Special Configurations: SmartConnect QA07682/GA01630 (mobiles), DVRS MSU GA00631 (mobiles), DVRS PSU QA00631, SmartConnect QA09276AA/HKVN4963A (DVR-LX), SmartConnect QA09568AA/HKVN4979A (VRX1000).

Description: This feature enables the customers to use SmartConnect and DVRS without any loss in trunked features for their PSUs. Trunked features will operate the same whether the MSU communicates over LMR or broadband and will now use the portable radio ID instead of the MSU ID.

Abstract: ViQi VC from BT SCBA Masks and BT ViQi VC Config (Including WM800)

System Platforms Affected: APX NEXT

Special Configurations: ViQi VC from BT SCBA Masks and BT ViQi VC Config (including WM800).

Description: This feature shall allow the mic from the BT SCBA Mask to be utilized for ViQi Voice Control or Virtual Partner. This feature shall also allow a user to configure both the Radio and the RSM ViQi VC/ VP active microphone to be remapped to one of three devices (RSM, Radio, or Wireless). This is done via the radios codeplug, with certain exceptions: target remap device set in codeplug must be present, and must have wideband microphone.

Abstract: Programmable Link Failure Holdoff Timer - SmartConnect

System Platforms Affected: All SmartConnect Capable radios

Special Configurations: SmartConnect Subscription, Infrastructure.

Description: Add a configuration for the **SmartConnect Fail Hold timer** in the SmartConnect Gateway configuration and provisioning tool, instead of the hard coded 60 second major link failure time; this is configured by LMR System ID.

Abstract: SmartIncident with PremierOne Support

System Platforms Affected: APX NEXT

Special Configurations: PremierOne CAD on APX NEXT/APX N70, SmartLocate, SmartMapping.

Description: CAD-client Application Service running on APX NEXT devices, integrated with the App Services, CommandCentral, and PremierOne CAD.

Abstract: Support Application Session Lock

System Platforms Affected: APX NEXT

Special Configurations: Require SmartMapping, SmartIncident, SmartMessaging and/or ViQi VP Common Queries.

Description: When the device becomes idle and reaches a timeout, the device will require the field user to type a PIN to unlock SmartMapping, SmartIncident, SmartMessaging, and ViQi VP Common Queries, which may carry sensitive data.

Abstract: MultiFactor Authentication PIN

System Platforms Affected: APX NEXT

Special Configurations: Application services such as SmartMessaging, SmartMapping, ViQi VP, SmartIncident.

Description: Allow users to enroll their radio to use MFA and login by entering a pin on that radio which is tied to their existing CC Admin account.

Provides enhanced User authentication experience to login through Shift manager, that is faster and more secure by using an authenticator which is validated at the server (Public Key Cryptography).

Abstract: Parity Feature Work for CPS

System Platforms Affected: CPS with APX NEXT radios

Special Configurations: The customers currently using new web-based RadioCentral.

Description:

- The new web-based RadioCentral customers can customize the power-up image and radio inhibit image for the APX NEXT radios. The way is to first enable the settings in the CPS **Radio Wide** for the radios, and then use RCP to assign the specific image to the corresponding devices. Please note that customers who are not using the new RadioCentral can still see these fields in the CPS view, but cannot utilize this feature as there is no new RadioCentral to assign the specific image.
- The new web-based RadioCentral customers can utilize the Touchless Key Provisioning (TKP) feature for the APX NEXT radios. The way is to enable the settings in the **OTAR Profile** in CPS. Please note that customers who are not using the new RadioCentral can still see these TKP fields in the CPS view, but cannot utilize this feature as there is no new RadioCentral to support the TKP feature.

A.2

Updates

Abstract: “IPC Error” Message Display

System Platforms Affected: N/A

Special Configurations: N/A

Description: In rare cases at power up, the front display will briefly turn on, but fails to generate the display. The top display shows `IPC Error` and may also emit a recurring alert tone.

Abstract: SmartConnect Wi-Fi Issue

System Platforms Affected: APX NEXT

Special Configurations: SmartConnect On WiFi

Description: Customers may experience Out-of-Range (OOR) on the APX NEXT devices while roaming between Wi-Fi access points on the same network.

Abstract: MACE Version Update

System Platforms Affected: N/A

Special Configurations: N/A

Description: The new MACE software version included in the 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 before this release, users cannot clear the emergency status on their talkgroup following a long press of the **Orange Emergency** button.