

APX NEXT™ Subscriber

Two-Way Radio

APX NEXT Release Notes

SR2023.2

OCTOBER 2023

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Appendix A

APX NEXT Release Notes

Subscriber APX R04.80.00

Updated: August 2023

This Feature Release is intended for customer requiring the latest release feature content.

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

New APX Firmware Version: R04.80.00

Previous APX Firmware Version: R04.75.00

A.1

Important Notes

Abstract: Scheduled Release

Description: N/A

A.2

New/ Replacement Products

N/A

A.3

New Features

Abstract: Pre-Configured Mode Select for Home in Codeplug

System Platforms Affected: All portable APX radios.

Special Configurations: N/A

Description:

- Allow Preset Channels to be preprovisioned in the codeplug and provides the option to Enable/Disable Preset Channel programming by the user on the radio. (ALL Portables).
- Also, provides the ability to configure the APX radios with the “Home Channel” function adding the option to remove, or disable, the Home Channel touch-screen. (ALL Portables).
- Users will be able to use the voice command “change to Preset X” for presets that have been configured in the codeplug or by the user. (APX NEXT/N70 Only).

Abstract: VA Interrupt via Button Press and High-Power Indication on Emergency Mode

System Platforms Affected: All APX.

Special Configurations: N/A

Description:

- VA Interrupt via User-Initiated Button Press: The customer should be able to stop the Voice Announcement through a user-initiated button press. The VA will continue to be replayed if it is interrupted by an autonomous response.
- Display High-power indication when entering on Emergency mode: The customer requested the High/Low power icon to match the actual transmit power level while operating in Emergency.

Abstract: SIM Invalid or Removed Trigger (SIRT) to Action Consolidation

System Platforms Affected: APX NEXT.

Special Configurations: LTE service with physical SIM card, Remote Inhibit requires Tech Console.

Description:

This new feature is intended to solve misuse cases of large customers who have conventional RF systems. SIRT or SIM Invalid or Removed Trigger uses the Codeplug to configure a looping action consolidation to help Radio Admins find these misused radios and mitigate that risk remotely.

The feature has an on-device alerting system that notifies the user to reinsert the proper SIM card. There is another more covert feature that silently sends a status message every 60 seconds to the Radio Admin through the Tech Console. This status message repeats until the feature is deactivated.

Abstract: Wi-Fi Per Channel/TG

System Platforms Affected: All Wi-Fi capable radios.

Special Configurations: QA09001/GA09001 Wi-Fi Capability.

Description: Provides the ability to allow or block Wi-Fi per channel.

Abstract: Editable Recent Call List

System Platforms Affected: All APX radios.

Special Configurations: N/A

Description: This feature provides more manageable RCL queue using filters and delete options.

- Provides the ability to delete calls from the Recent Calls list.
- Provides the ability to filter based on call types in the Recent menu.
- Add Remote Emergencies filter in the Recent menu.

Abstract: Short/Long Button Keypress for Features

System Platforms Affected: All APX portable radios.

Special Configurations: Applicable to Radio and RSM.

Description: Provides the ability to adjust the short/long keypress durations for individual buttons instead of global settings.

Abstract: Digital Conventional PTT Tone

System Platforms Affected: Only supported on Motorola Digital Conventional Duplex repeaters.

Special Configurations: N/A

Description: This feature enables the radio to sound a standard P25 talk permit tone or talk prohibit tone when PTT is triggered in the Digital Conventional channel.

Abstract: SmartConnect and DMT on New Sierra Wireless XR Series Modem

System Platforms Affected: All APX that support SmartConnect and Data Modem Tethering.

Special Configurations:

- DMT-GA09011 or DMT over WiFi- GA01545, GA09011.
- SmartConnect: Portables QA07682, Mobiles GA01630.
- For SmartConnect: Application Service Number SSV01S01663A. For additional requirements on your radio or infrastructure, contact your sales representative.

Description: Providing SmartConnect and Data modem Tethering functionalities with the new XR series modems to make it compatible with the complete solution MSI is offering today.

A.4

Updates

Abstract: Improved Robustness of XVN500 Proprietary Data Link

System Platforms Affected: N/A

Special Configurations: APX NEXT XN with an XVN500 RSM

Description: This release improves the robustness of the XVN500 RSM proprietary data link with the APX NEXT XN radio. This change is to address intermittent data link failures that the user may experience as a self-check failure.

Abstract: APX NEXT XN Power Up Issue When Attached to an XVN500 RSM

System Platforms Affected: N/A

Special Configurations: APX NEXT XN with an XVN500 RSM

Description: Prior to this release, APX NEXT XN radios may experience an intermittent power up issue while powering up an APX NEXT XN radio connected to an XVN500 RSM.



NOTE:

See the `APX_CPS_Readme` file and the `CPS_HELP` for additional information.