



APX NEXT™ Subscriber

Two-Way Radio

APX NEXT Release Notes

SR2022.3

JANUARY 2023



Chapter 1

Radio Release Notes – Subscriber APX NEXT R04.60.00 – January 2023

APX NEXT Platforms:

APX NEXT R2.0

New APX Firmware Version: R04.60.00

Previous APX Firmware Version: R04.51.00

1.1

Important Notes

APX NEXT radio upgrade to avoid service interruption.

- Due to the rollout of a 3rd party cloud provider's security updates, new SSL/TLS certificates will go in effect starting **March 2023**. In order to avoid the possibility of service disruption due to the new certificates, an APX NEXT radio firmware update is required.
- All APX NEXT radios are required to upgrade to version R04.51.00 (SR2022.2) or greater prior to **28-February, 2023**.

Please refer to **MTN-0168-22-NA** via <https://learning.motorolasolutions.com>

Abstract: After a firmware update, a momentary message may pop-up stating "SIM Card Locked"

System Platforms Affected: ALL

Special Configurations: APX NEXT firmware update

Description: After a firmware update, a message may pop up, momentarily, stating "SIM Card Locked. Contact your IT Administrator.". The message will not appear upon subsequent power cycles. The SIM is not locked in these instances. There is no need to contact an administrator, unless this message is persistent.

Abstract: APX NEXT programming via CPS and Radio Management utilize zip file format

System Platforms Affected: ALL

Special Configurations: APX NEXT firmware update via CPS and Radio Management

Description: The upgrade package for APX NEXT firmware updates via CPS and Radio Management is utilized in .zip format. Please DO NOT unzip the firmware package file after you download it from MyView. Use the APX NEXT .zip file in CPS and for importing into the Radio Management database.

1.2

New/ Replacement Products

Abstract: APX NEXT Vehicle Charger PMPN4639A

System Platforms Affected: N/A

Special Configurations: N/A

Description: In-vehicle charging solution allowing users to charge APX NEXT battery/device on-the-go. Fast charging up to 3A.

1.3

New Features

Abstract: Increased SmartConnect Security with Faster Link Establishment.

System Platforms Affected: SmartConnect users in Australia.

Special Configurations: SmartConnect capable radios, GW support for TLS1.3.

Description: Use TLS1.3 and ECC algorithm instead of TLS1.2 and RSA algorithm to improve security and reduce the broadband connection time for subsequent connections after the initial link establishment.

Abstract: Concurrent RX Enabled Per Personality.

System Platforms Affected:

Special Configurations: Applies to Conventional Analog channels only.

Description: Enable the legacy Concurrent RX feature on a Conventional Personality basis rather than the way the feature is currently implemented on a radio wide basis only.

Abstract: Voice Announcement not interfering with RX Audio.

System Platforms Affected:

Special Configurations: N/A

Description: Allows the ability to prioritize received audio over a user action that results in a Voice Announcement (VA).

Abstract: Channel Fallback.

System Platforms Affected:

Special Configurations: Customer who uses a radio as both a DVRS PSU and a Trunking subscriber.

Description: 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: Display dBm on APX NEXT Radios.

System Platforms Affected:

Special Configurations: N/A

Description: Allows a radio from the APX family to display the received signal strength in dBm alongside the existing RSSI displays in both Conventional and Trunking.

Abstract: Noise Sensing Volume Control.

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

Special Configurations: Per radio Profile.

Description: The speaker loudness will automatically adjust based on the environmental noise level without user intervention.

Abstract: Configurable Power Up Screen Using Radio Central Programming.

System Platforms Affected:

Special Configurations: APX NEXT and APX N70.

Description: Agency has the ability to add an image at the end of the power up sequence. The image must meet specific guidelines described in the training.

Note: Radio Central Programming will be available 1H2023.

1.4

Updates

Abstract: Radio Management may fail to Read/Write APX NEXT™ Radios over isolated WiFi networks.

System Platforms Affected: N/A

Special Configurations: APX NEXT radios.

Description: Radio Management (version 28.00.01) Device Programmer may fail to detect and enable Read/Write Jobs on APX NEXT™ radios over isolated WiFi network (no internet connection).

Abstract: APX NEXT™ radios may not properly power up after writing the codeplug configuration.

System Platforms Affected: N/A

Special Configurations: Extremely large codeplug size (i.e. greater than 20MB).

Description: In R04.51.00, APX NEXT™ may not properly power up after writing the codeplug configuration, resulting in a Blue Motorola screen on the front display. Resetting the device will resolve the issue. Numerous voice announcement files and/or contact lists are two examples that contribute to a large codeplug size.