



APX new feature brief: **SR2024.3**- feature release

Updated: January, 2025

SR2024.3 is a New Feature Release (NFR) with incremental changes to the Baseline Release (2024.1). This NFR brings new features for all APX N line radios, APX standard portables and APX mobiles including, Alias updated through DVRS, multi-code plug support, two additional Tx power levels added and CommandCentral auto logout enhancements.

New orders from the factory must be flagged to use the latest NFR for a radio build. Please reach out to your Motorola Solutions representative to change new orders from the Baseline Release to the New Feature Release.

Options listed in the special configurations line under each feature must be added to the initial radio order, or added later in the field via Flashport.

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To learn more about the features within this release, [visit our SR2024.3 subscriber release training course](#)



A - APX Standard Portable and Mobiles

SUBSCRIBER APX R35.00.00

APX Portable Platforms

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

APX 8500 APX 8500HP	APX 7500 APX 6500 APX 6500Li	APX 4500 APX 4500Li APX 2500 APX 1500	TXM 2000 VHF TXM 3000 v 2.4
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New APX firmware version: R35.00.00

Previous APX firmware version: R34.02.00

APX VR Platforms: DVR-LX/DVR/VRX1000

New Version: R2.00

Previous Version: R1.95

Companion Futurecom Repeater Configuration software, FRC 1.55

A.1

Important notes

Abstract: 3rd Party Accessory Support

- **System Platforms Affected:** APX N50/N30
- **Special Configurations:** N/A



- **Description:** Allows the user to connect a third party accessory to their APX N-Series radio, provided the accessory contains a valid certificate licensed by Motorola.

A.2

New features

Abstract: Location Format Enhancement - Location Format Switching

- **System Platforms Affected:** All Radios
- **Special Configurations:** Require GPS
- **Description:** Allows users to quickly identify their location in different formats by pressing up and down arrow

Abstract: Enhanced PSU Alias Display and Alias Update operation through DVR

- **System Platforms Affected:** All APX radios that support DVRS PSU model option.
- **Special Configurations:** QA09008/GA09008 Group Services -For APX Standard Only
- **Description:** This feature will allow APX Alias Display and Alias Updates through DVR to PSU in all modes of operation. The alias will be displayed on the PSU when the existing codeplug configuration is enabled. Over-The-Air received Group Services Messages(Alias Updates and GroupText Messaging) is forwarded to DVR/PSU. PSU to update Conventional and Trunking Section of Unified Call List(UCL) and synchronize with APPS real-time to update Alias and Text Messages.

Abstract: Allow a 3rd and 4th Power Levels

- **System Platforms Affected:** All Radios
- **Special Configurations:** N/A
- **Description:** Allows a user to configure the radio codeplug with two additional power levels and to select the new power levels via the user interface on the radio.

Abstract: Multiple Independent Codeplug Support

- **System Platforms Affected:** All Radios
- **Special Configurations:** Require QA09772/QA09772 - Multi-Codeplug Programming. For APX Standard BN models (not available on 1.5 models) and N-family
- **Description:** Allows a user to configure a radio with multiple codeplugs via CPS and to select and/or delete the configured codeplugs via the user interface.

Abstract: 5 GHz WiFi FCC support

- **System Platforms Affected:** APX 8500 MP CN model
- **Special Configurations:** N/A
- **Description:** Certification for 5 GHz WiFi FCC support for APX 8500 MP CN model.
- **Note:** HW shipping in 1H 2025.



B - APX NEXT Series Portables

SUBSCRIBER APX NEXT R08.00.00

APX NEXT Portable Platforms

APX NEXT
APX NEXTi
APX NEXT XE
APX NEXT XN

New APX firmware version: R08.00.00
Previous APX firmware version: R07.31.00

B.1

New features

Abstract: Parity-Remote Monitor

- **System Platforms Affected:** All radios (Adding support for APX NEXT)
- **Special Configurations:** Dispatch Console from R05.00.00 onwards, Remote monitor option H43
- **Description:** Remote Monitor provides ability for the dispatcher to remotely key up the radio so that the dispatcher can now listen over the PTT. Also provides the ability for the dispatcher to locate stolen/missing radio through Radio Trace functionality(Conventional only)

Abstract: Parity- RF Modem Parity

- **System Platforms Affected:** All radios (Adding support for APX NEXT)
- **Special Configurations:** APAA
- **Description:** Enable the APX NEXT radio to switch to RF Modem mode when connected to the APX™ Personnel Accountability Application (APAA).

Abstract: Parity- Silent Emergency

- **System Platforms Affected:** All radios (Adding support for APX NEXT)
- **Special Configurations:** NA



- **Description:** This feature ensures that there are No audible or visual indications of the emergency transmission on the radio while transmitting an Emergency Alarm.

Abstract: Location Format Enhancement - 6-Figure Grid Reference

- **System Platforms Affected:** All radios (Adding support for APX NEXT)
- **Special Configurations:** Radios need to support location and QA00782/GA00229- GPS Activation
- **Description:** Configurable field to show UTM Grid Reference display and 100m grid square format together.

Abstract: Parity- ASTRO25 Talkgroup Text Messaging Support

- **System Platforms Affected:** All radios (Adding support for APX NEXT)
- **Special Configurations:** Require Consoles
- **Description:** Enable the APX NEXT radio to receive and display group Text Messaging Service. NOTE: Mutually exclusive with SmartMessaging

Abstract: FPP change frequency - enhancement

- **System Platforms Affected:** APX NEXT
- **Special Configurations:** Q52/GA00243 - FED FPP (No dongle required) (FED FPP And Zone Cloning)
 - Q53/G53 - Non-FED FPP (password required) (Non-FED FPP And Zone Cloning)
- **Description:** An enhancement to existing implemented FPP behavior for APX NEXT and APX N70.
 - Providing more flexibility for the user:
 - Entering quickly new frequency from scratch
 - Edit char from current frequency irrespective of position
 - Auto correcting bandwidth

Abstract: Location Format Enhancement - Location Format Switching

- **System Platforms Affected:** All Radios
- **Special Configurations:** Require GPS
- **Description:** Allows users to quickly identify their location in different formats by pressing up and down arrow

Abstract: Enhanced PSU Alias Display and Alias Update operation through DVR

- **System Platforms Affected:** All APX radios that support DVRS PSU model option.
- **Special Configurations:** QA00631 - DVRS PSU Activation
- **Description:** This feature will allow APX Alias Display and Alias Updates through DVR to PSU in all modes of operation. The alias will be displayed on the PSU when the existing codeplug configuration is enabled. Over-The-Air received Group Services Messages(Alias Updates and GroupText Messaging) is forwarded to DVR/PSU.



PSU to update Conventional and Trunking Section of Unified Call List(UCL) and synchronize with APPS real-time to update Alias and Text Messages.

Abstract: Allow a 3rd and 4th Power Levels

- **System Platforms Affected:** All Radios
- **Special Configurations:** N/A
- **Description:** Allows a user to configure the radio codeplug with two additional power levels and to select the new power levels via the user interface on the radio

Abstract: Multiple Independent Codeplug Support

- **System Platforms Affected:** All Radios
- **Special Configurations:** Require QA09772/QA09772 - Multi-Codeplug Programming. For APX Standard BN models (not available on 1.5 models) and N-family
- **Description:** Allows a user to configure a radio with multiple codeplugs via CPS and to select and/or delete the configured codeplugs via the user interface.

Abstract: Command Central Autologout Enhancement

- **System Platforms Affected:** APX NEXT, APX N70
- **Special Configurations:** User login authentication type - Device Certificate
- **Description:** Device logs itself in during power-up. No need to create specific user emails and accounts. When a user is logged in using Command Central Autologout - there will be no option for the user to logout.

C - APX N70 Series Portables

SUBSCRIBER APX N70 R05.00.00

APX N70 Portable Platforms

APX N70

New APX firmware version: R05.00.00

Previous APX firmware version: R04.31.00



C.1

Important Notes

Abstract: 3rd Party Accessory Support

- **System Platforms Affected:** APX N70
- **Special Configurations:** N/A
- **Description:** Allows the user to connect a third-party accessory to their APX N-Series radio, provided the accessory contains a valid certificate licensed by Motorola.

C.2

New/Replacement Products

Abstract: N/A

C.3

New features

Abstract: Parity-Remote Monitor

- **System Platforms Affected:** All radios (Adding support for APX N70)
- **Special Configurations:** Dispatch Console from R05.00.00 onwards, Remote monitor option H43
- **Description:** Remote Monitor provides ability for the dispatcher to remotely key up the radio so that the dispatcher can now listen over the PTT. Also provides ability for the dispatcher to locate stolen/missing radio through Radio Trace functionality(Conventional only)

Abstract: Parity- RF Modem Parity

- **System Platforms Affected:** All radios (Adding support for APX N70)
- **Special Configurations:** APAA
- **Description:** Enable the APX NEXT radio to switch to RF Modem mode when connected to the APX™ Personnel Accountability Application (APAA).

Abstract: Parity- Silent Emergency

- **System Platforms Affected:** All radios (Adding support for APX N70)
- **Special Configurations:** N/A
- **Description:** This feature ensures that there are No audible or visual indication of the emergency transmission on the radio while transmitting an Emergency Alarm.



Abstract: Location Format Enhancement - 6-Figure Grid Reference

- **System Platforms Affected:** All radios (Adding support for APX N70)
- **Special Configurations:** Radios need to support location and QA00782/GA00229- GPS Activation
- **Description:** Configurable field to show UTM Grid Reference display and 100m grid square format together.

Abstract: Parity- ASTRO25 Talkgroup Text Messaging Support

- **System Platforms Affected:** All radios (Adding support for APX N70)
- **Special Configurations:** Require Consoles
- **Description:** Enable the APX N70 radio to receive and display group Text Messaging Service. NOTE: Mutually exclusive with SmartMessaging

Abstract: FPP change frequency - enhancement

- **System Platforms Affected:** APX N70
- **Special Configurations:** Q52/GA00243 - FED FPP (No dongle required) (FED FPP And Zone Cloning)
- Q53/G53 - Non-FED FPP (password required) (Non-FED FPP And Zone Cloning)
- **Description:** An enhancement to existing implemented FPP behavior for APX NEXT and APX N70.
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- **Description:** This feature will allow APX Alias Display and Alias Updates through DVR to PSU in all modes of operation. The alias will be displayed on the PSU when the existing codeplug configuration is enabled. Over-The-Air received Group Services Messages(Alias Updates and GroupText Messaging) is forwarded to DVR/PSU. PSU to update Conventional and Trunking Section of Unified Call List(UCL) and synchronize with APPS real-time to update Alias and Text Messages.

Abstract: Allow a 3rd and 4th Power Level

- **System Platforms Affected:** All Radios
- **Special Configurations:** N/A
- **Description:** Allows a user to configure the radio codeplug with two additional power levels and to select the new power levels via the user interface on the radio

Abstract: Multiple Independent Codeplug Support

- **System Platforms Affected:** All Radios
- **Special Configurations:** Require QA09772/QA09772 - Multi-Codeplug Programming. For APX Standard BN models (not available on 1.5 models) and APX N-family
- **Description:** Allows a user to configure a radio with multiple codeplugs via CPS and to select and/or delete the configured codeplugs via the user interface.

Abstract: Command Central Autologout Enhancement

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D - Device Management

CPS New Version: R35.00.00

CPS Previous Version: R34.00.00

RadioCentral New Version: 2.152.253.0

RadioCentral Previous Version: 2.150.244

D.1

Important Notes

Abstract: ASTRO RM-CPS Operating Systems Support

- **System Platforms Affected:** ALL
- **Special Configurations:** N/A
- **Description:** Starting with version R29.00.00, APX RM/CPS is only supported on 64 bit versions of the following operating systems:
 - Windows 11
 - Windows 10 (from 1607 version)
 - Windows Server 2022
 - SQL server 2022

Note:

Please see the APX_CPS_Readme file and the CPS HELP for additional information.

