

Motorola Solutions Technical Notification (MTN)

TITLE: New APX™ CPS/RadioManagement and companion APX™ Radio Firmware Update SR2022.3

TECHNOLOGY: Astro™ Subscriber

What is this?

- An announcement of the latest software release of APX™ CPS/RM/RC and Radio firmware that provides new features and updates to resolve previous issues. (See release highlights in the product tables below).
- A good preventive maintenance practice - keeping current on available software versions ensures optimal functionality of APX™ products.
- This is an informational bulletin. No labor warranty is implied, intended or authorized.

Who should upgrade?

- Customers with new radios are required to use the compatible version of CPS/RM for radio provisioning.
- Customers who require the new functionality described below.
- Customers currently experiencing any of the issues listed below or contained in the product release notes.

Where can I find it?

- For detailed information on this software release visit: <https://myview.motorolasolutions.com/login>
- *You must be a subscribed **MyView** member to view available software downloads.*
 - The MyView Support team can be reached at [1-800-MSI-HELP](tel:1-800-MSI-HELP); Use voice commands to ask for "MyView"

What if I don't see APX NEXT™ Firmware options on MyView™?

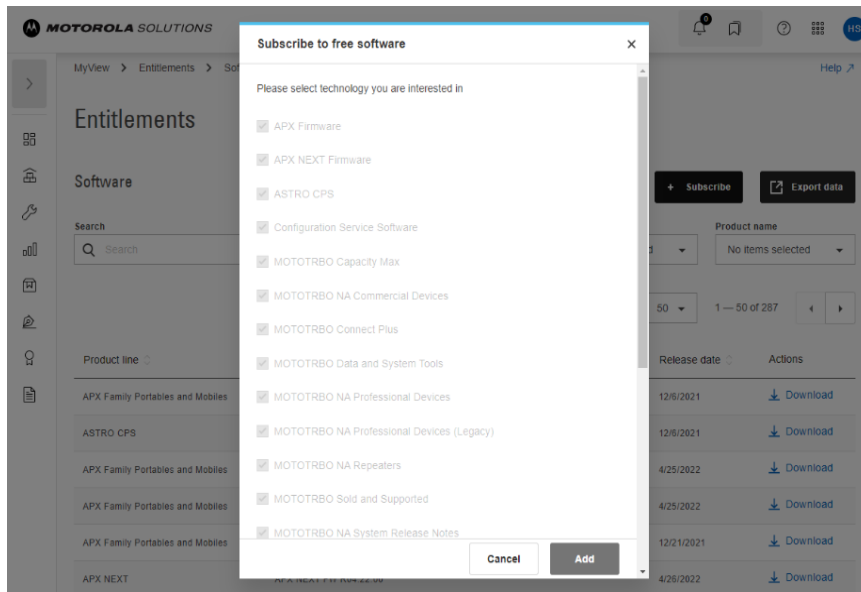
- There is a one-time step required for MyView users to subscribe to **APX NEXT™** firmware.

From MyView "**Entitlements**":

Select > **"+ Subscribe"**



Select > **"APX NEXT™ Firmware"**



Select > **"Add"**





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SR2022.3 : APX™ CPS / RM and companion APX Radio Firmware Update

Product	New version	New Part #	Previous version	Notes
APX™ CPS	R29.00.01	RVN5224BT	R28.00.03	CPS Stand Alone
Radio Management Suite	2.43.211	RVN5306AE	2.41.271	Radio Management Suite
	New Features: <ul style="list-style-type: none">• New field “Analog Wideband Data” for XCMP licensed users in Radio Wide• Concurrent Rx Enable per personality• New field for Channel Fallback in Radio Wide• Support for Working Unit ID in Trunking Configuration• [APX NEXT] “Noise Sensing Volume Control” per Radio Profile• Logical Profile Configuration has been added to all models			
	Important Fix Updates: <ul style="list-style-type: none">• Removed the misleading information about failure to download Language Packs during CPS OTAP Batch POP25 programming• TLS 1.0 vs. TLS 1.2 mismatch impacting connection to the newer version of IMW• Read/Write radio issue in RC and CPS due to TextToSpeech files• POP25 jobs fail: "Error 2050 Permission denied - Advance System Key for at least one system in the codeplug must have OTAP enabled to perform this operation"• [APX Next] DP fails to Read/Write Jobs over an isolated WiFi network (no internet connection)			

Product	New version	Previous version	Notes
RadioCentral	2.132.210.0	2.130.99.0	SR2022.3
	New Features: <ul style="list-style-type: none">• New field in Channel Fallback• “Noise Sensing Volume Control” per Radio Profile		
	Important Fix Updates: <ul style="list-style-type: none">• APX NEXT configuration converted from APX4000 radio does not work		

[APX / APX NEXT Radio Firmware continues on next page]

Product	New version		Previous version	Notes
APX Radio Firmware	R29.00.00 R29.02.00 (FE)		R28.50.00	SR2022.3 (FE): Factory Enablement Release only (no impact to fielded radios)
	New Features: <ul style="list-style-type: none"> APX™ 900, VX949, and APX™ 1000i radio software support for new APX™ Battery models (PMNN4491 and PMNN4489) Increased SmartConnect Security with Faster Link Establishment Concurrent RX Enabled Per Personality Voice Announcement not interfering with RX Audio Channel Fallback WUID Validity Support for DVRS MSU Display dBm on APX™ Radios Radio Programming via USB/Wi-Fi for CPS/RM Using TLS-PSK Encryption Support when Analog Wideband Audio is Enabled and Mobile 12.5KHz wideband Data Mask Alternate Mode Support for an APX™ mobile with a DVRS configuration Noise Sensing Volume Control (APX™ N50 only) 			
	Important Fix Updates: <ul style="list-style-type: none"> APX radios may not send conventional data while in Emergency mode APX™ mobile radios may intermittently experience brief audio holes APX DVRS configuration, APX mobile radios may display erroneous Emergency indications 			

Product	New version		Previous version	Supported Carriers
APX NEXT Radio Firmware	R04.61.00		R04.51.00	<ul style="list-style-type: none"> Verizon AT&T Bell Canada
	New Features: <ul style="list-style-type: none"> APX NEXT™ Increased SmartConnect Security with Faster Link Establishment Concurrent RX Enabled Per Personality Voice Announcement not interfering with RX Audio Channel Fallback Display dBm on APX NEXT™ Radios Noise Sensing Volume Control (APX NEXT™, APX™ N70) Configurable Power Up Screen Using Radio Central Programming 			
	Important Updates: <ul style="list-style-type: none"> Radio Management may fail to Read/Write APX NEXT™ Radios over isolated WiFi networks APX NEXT™ radios may not properly power up after writing the codeplug configuration 			

Please visit the Motorola Solutions Learning site for important MTNs and Release Notes
<https://learning.motorolasolutions.com>

- MTN-0160-22-NA Updated Guidance for APX NEXT™ Upgrades
- MTN-0167-22-NA ASTRO Radio Test/Tune/Alignment - Best Practices
- MTN-0168-22-NA Critical APX NEXT™ security updates required to avoid service interruption

For more information on this release visit: <https://myview.motorolasolutions.com/login>