

# APX new feature brief: **SR2025.1**- baseline release

Updated: April, 2025

Baseline Feature Release, 2025.1 brings several new features and capabilities to our APX Radios, including: FedRAMP authorization on SmartConnect, SmartLocate, SmartMapping, and SmartProgramming and Data Modem Tethering on Cradlepoint routers.

Baseline Releases are intended for customers wishing to standardize on one version of firmware per year. This baseline equates all the features included in releases [2024.2](#) and [2024.3](#). New orders from the factory must be flagged to use the latest baseline release for a radio build.

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 SR2025.1 subscriber release training course](#)

# APX Standard radios

R35.00.00

R36.01.00

## 1. Here's what's new for APX™ Standard radios in R36.01.00

### 1.1. RSM FALLBACK FOR RADIO PTT AND VIQI: VOICE CONTROL

Now users may configure the *fallback* behavior for a radio to a wired accessory in the event that a wireless accessory is not present for either radio PTT and radio ViQi buttons.

If the wireless accessory is not connected but a wired RSM is connected, the radio will utilize the RSM when this feature is configured. Otherwise, if neither of these accessories are connected the radio will utilize the radio mic.

**Requires** ViQi: Voice Control (QA09028) when using ViQi VC, but this option is not required to make use of the radio's PTT or ViQi: Virtual Partner features.

This feature is supported on the following platforms:

#### Radio PTT Fallback:

- APX Standard BN Portable Models
- APX 8000
- APX N30
- APX N50

#### ViQi VC Fallback:

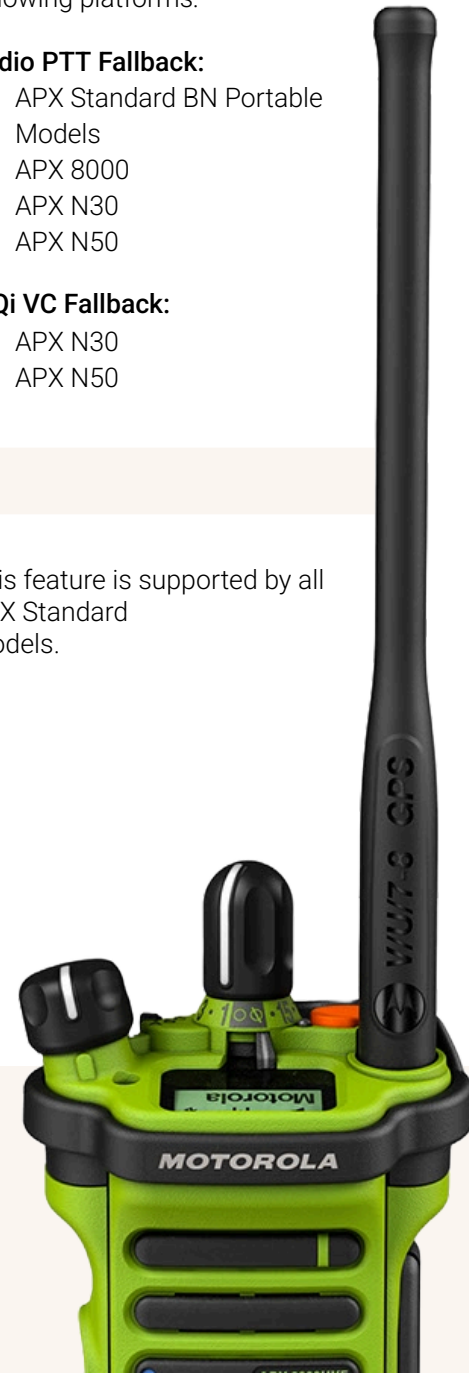
- APX N30
- APX N50

### 1.2. EXPANDED VOICE ANNOUNCEMENT AND TTS FILE CAPACITY

APX Standard devices are now capable of assigning Voice and TTS Announcements on every zone and channel.

**Requires** a firmware version of R36.01.00 or greater.

This feature is supported by all APX Standard models.





### 1.3. DATA MODEM TETHERING SUPPORT FOR CRADLEPOINT MODEMS

Full Data Modem Tethering support is now available for Cradlepoint modems via Wi-Fi or a wired connection. Officially supported Cradlepoint models include: IBR1700, R1900 and R980.

**Requires** Third Party Data Modem Tethering (GA09011) and optionally WiFi Capability (QA09001/GA09001) may be included to use a wireless connection.

This feature is supported on the following platforms:

- APX 4500
- APX 6000 BN
- APX 6500
- APX 8000
- APX 8500
- APX N30
- APX N50

## 2. Product and Hardware Support Updates

This section contains product announcements or hardware support updates for this firmware release.



### 2.1. Firmware Support for New Div 1 APX Clamshell Battery Pack

This firmware release will support HazLoc Div 1 and Div 2 certified devices to operate with the new clamshell battery pack (PMNN4891A).

#### Supported by the following platforms:

- APX 6000 BN (Model 1.5, 2.5 and 3.5)
- APX 6000 XE BN
- APX 8000
- APX 8000 H
- APX 8000 XE
- APX 8000 HXE
- SRX 2200 BN (Model 1.5 and 3.5)



### 3. Product Compatibility

The following APX Standard radio models are compatible with this latest firmware release.

SUPPORTED RADIOS		
PORTABLES		MOBILES
APX 900	APX 8000	APX 1500
APX 1000	AXP 8000 H	APX 2500
APX 2000	APX 8000 XE	APX 4500
APX 3000	APX 8000 HXE	APX 4500 Li
APX 4000	APX N30	APX 6500
APX 4000 H	APX N50	APX 7500
APX 6000	SRX 2200	APX 8500
APX 6000 XE	VX-P949	APX 8500 HP
APX 6000 Li		TXM 2000 VHF
		TXM 3000 v2.4

# APX NEXT portable radios

R08.00.00

R09.03.00

## 1. Here's what's new for APX NEXT for R09.03.00

### 1.1. RSM FALLBACK FOR RADIO PTT AND VIQI: VOICE CONTROL

Now users may configure the *fallback* behavior for a radio to a wired accessory in the event that their wireless accessory is not present for either radio PTT and radio ViQi buttons.

If the wireless accessory is not connected but a wired RSM is connected, the radio will utilize the RSM when this feature is configured. Finally, if neither of these accessories are connected it will utilize the radio mic.

**Requires** ViQi: Voice Control (QA09028) when using ViQi VC, but this option is not required to make use of the radio's PTT or ViQi: Virtual Partner features.

### 1.2. EXPANDED VOICE ANNOUNCEMENT AND TTS FILE CAPACITY

APX NEXT devices are now capable of assigning Voice and TTS Announcements on every zone and channel.

**Note:** This feature can only be configured via the CPS/RM and the New RadioCentral™ programming tools.

It is not supported by the Current RadioCentral™.

**Requires** a firmware version of R09.03.00 or greater.

### 1.3. SMARTINCIDENT ENHANCEMENT

This software release provides user experience enhancements to SmartIncident in the Home widget, the Incident Summary, Premise/Hazards and Multimedia screens.

**Requires** a SmartIncident subscription.



1.4. RADIOCENTRAL NOTIFIED WHEN THE RADIO IS USING SECONDARY CODEPLUG

The multiple independent codeplug feature only supports RadioCentral™ updates when the radio is operating on the primary codeplug. If the radio is switched to a secondary codeplug, the radio will no longer connect with RadioCentral and appears to be “offline”, as though the radio were switched off.

Now with this latest release, the RadioCentral admin will be notified if the radio will not process a job because it is currently operating on a secondary codeplug, so they may alert the radio user to switch back to the primary codeplug.

**Requires** Multi-Codeplug Programming (QA09772).

1.5. APPLICATION SESSION LOCK UPDATES

When a device remains idle and reaches the programmed timeout, the device will require the radio user to enter a PIN to unlock the app services selected in the codeplug, which may contain sensitive data.

We have revised the PIN guidelines of this feature to now support two repeating digits (e.g. ‘22’ or ‘33’) and two sequential digits (e.g. ‘23’ or ‘45’).

**Requires** enablement of the Application Session Lock feature per app services as selected in the codeplug

2. Product Compatibility

The following APX NEXT radio models are compatible with this latest firmware release.

SUPPORTED RADIOS
APX NEXT
APX NEXTi
APX NEXT XE
APX NEXT XN

# APX N70 portable radios

R05.00.00

R06.03.00

## 1. Here's what's new for APX N70 in R06.03.00

### 1.1. RSM FALLBACK FOR RADIO PTT AND VIQI: VOICE CONTROL

Now users may configure the *fallback* behavior for a radio to a wired accessory in the event that their wireless accessory is not present for either radio PTT and radio ViQi buttons.

If the wireless accessory is not connected but a wired RSM is connected, the radio will utilize the RSM when this feature is configured. Finally, if neither of these accessories are connected it will utilize the radio mic.

**Requires** ViQi: Voice Control (QA09028) when using ViQi VC, but this option is not required to make use of the radio's PTT or ViQi: Virtual Partner features.

### 1.2. EXPANDED VOICE ANNOUNCEMENT AND TTS FILE CAPACITY

APX N70 devices are now capable of assigning Voice and TTS Announcements on every zone and channel.

**Note:** This feature can only be configured via the CPS/RM and the New RadioCentral™ programming tools.

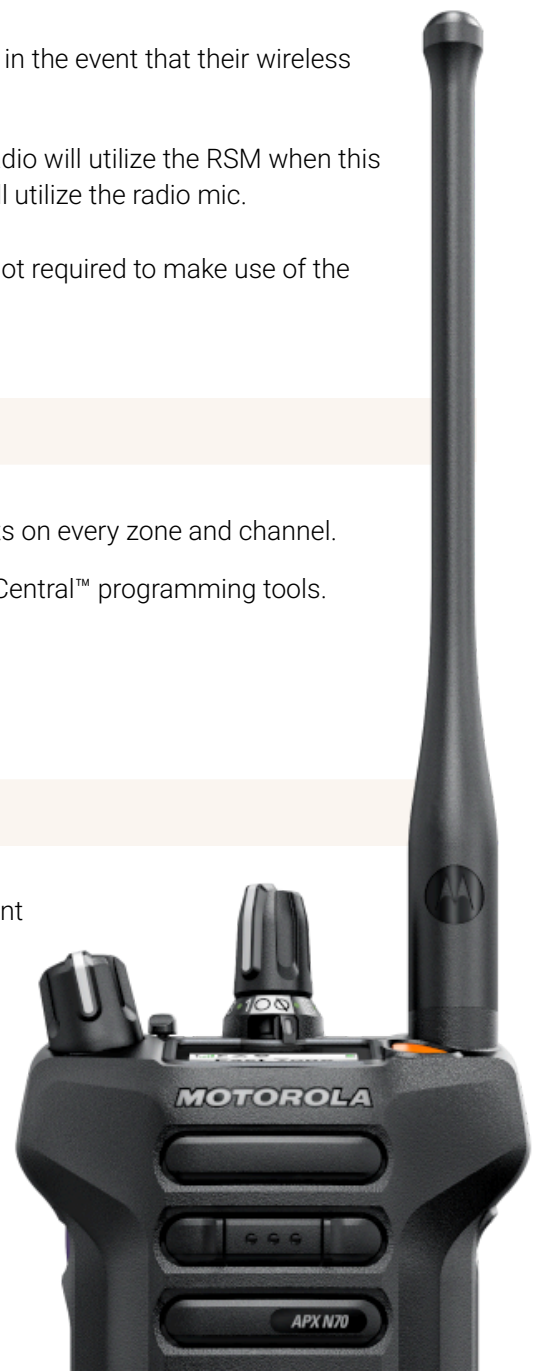
It is not supported by the Current RadioCentral™.

**Requires** a firmware version of R06.03.00 or greater.

### 1.3. SMARTINCIDENT ENHANCEMENT

This software release provides user experience enhancements to SmartIncident in the Home widget, the Incident Summary, Premise/Hazards and Multimedia screens.

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**Requires** Multi-Codeplug Programming (QA09772).

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**Requires** enablement of the Application Session Lock feature per app services as selected in the codeplug.

## 2. Product and Hardware Support Updates

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### 2.1. APX N70 XE Portable Radio Launch

With the 2025.1 firmware release, we are introducing support for a new portable radio to the APX N line, the **APX N70 XE** radio (H35UCT9PW8AN).

**Note:** Currently, only 7/800 MHz band operation is supported.

## 3. Product Compatibility

The following APX N70 radio models are compatible with this latest firmware release.

#### SUPPORTED RADIOS

APX N70, 7/800, UHF  
APX N70 XE, 7/800