

Radio Release Notes - Subscriber 7.18 - January 2018

APX 8000/8000XE/7000/7000L/7000XE/6000/6000XE/6000Li/4000 (1&2 knob)/4000Li/4000 900 MHz/3000/2000/1000/1000 900MHz/900/VS-P949 8500/7500/6500/6500Li/4500/4500Li/2500/1500, SRX2200, TXM 2000 VHF

New Version: Devices - R17.01.00

Old Version: Portable Devices - R16.30.00

Old Version: Mobile Devices - R16.30.00

Important Notes:

Abstract: Enhanced Battery Certification

System Platforms Affected: N/A

Special Configurations: All APX Portable Radios

Description: Batteries not certified for a particular APX portable radio will notify the user of the compatibility mismatch. For example, NNTN8921A, PMNN4547A and NNTN8930A UL batteries will now display "Wrong Battery" for APX8000 radios. Refer to price pages for all certified radio/battery model combinations.

Abstract: Unique Control Head build ID displayed in test mode

System Platforms Affected: N/A

Special Configurations: APX Mobile radios only

Description: This firmware version displays a Control Head build ID in test mode rather than a formal release version. On the APX product line, the Control Head firmware resides in the mobile transceiver and is automatically flashed to the head upon the initial power up of the radio, when necessary. The integration of Control Head and transceiver releases made it redundant to maintain a separate formal control head release version.

New/Replacement Products

Abstract: "BN" Radios UHF-R1 Extend Frequency to 480 MHz

System Platforms Affected: All

Special Configurations: Applies to radios in RTTE governed countries

Description: Operating UHF 1 band for "BN" model radios have been extended from 380-470MHz to 380-480MHz. APX 6000, APX 6000 XE, APX 6000 LI, APX 5000, SRX 2200, SRX 2200 ULP "BN" models

Abstract: New UL Division 1 certified 3100 mAh Li-ion battery, PMNN4547A, is now available and supported by several radio models.

System Platforms Affected: All

Special Configurations: N/A

Description: New battery support for APX 6000/XE & APX 7000/XE Div 1/Div 2 Class 1 radios. If this battery is used with an APX 8000 or APX 8000XE radio, the radio will launch the "Wrong Battery" alert.

New Features:

Abstract: Emergency Call Termination

System Platforms Affected: All APX Subscribers Operating on Harris P25 trunked systems

Special Configurations: Console / Consolette on Harris P25 trunked systems ONLY

Description: Allows dispatch console to clear the emergency state of an APX radio operating on a Harris P25 trunked system.

Abstract: Intelligent Priority Scan

System Platforms Affected: All

Special Configurations: N/A

Description: All APX Portables (Excluding DVRS PSU) and All APX Mobiles (Excluding DVRS MSU). Allows an APX radio the ability to add/delete conventional channels/trunking talkgroups from multiple systems into a priority scan list. This scan list can be modified in CPS and also via Scan List Programming feature.

Abstract: Instant Recall

System Platforms Affected: All

Special Configurations: N/A

Description: This feature allows the user to persistently record the last received audio reception. It helps the listener replay a transmission they may have missed without having to use system resource to request a repeat of the message.

Abstract: Radio Inhibit over ISSI

System Platforms Affected: Operating on Harris P25 trunked systems

Special Configurations: Intersystem roaming through ISSI 8000

Description: Allows ISSI Customers the ability to inhibit stolen radios.

Abstract: APX Radio Support for Competitive Battery Detection

System Platforms Affected: All

Special Configurations: N/A

Description: Notify user when the radio detects a competitive/counterfeit battery. Radio displays "Unknown Battery" temporary string and plays a "Bad Key Tone" when it detects a competitive/counterfeit battery.

Abstract: APX TIA Battery Type Detection - Voice Announcement (VA)

System Platforms Affected: All

Special Configurations: Wrong Battery VA is configured in CPS

Description: Sound Voice Announcement (VA) of Wrong Battery when battery mismatch.

Abstract: Site Alias Expansion

System Platforms Affected: Trunked Systems

Special Configurations: N/A

Description: Increase number of site aliases from 50 to 250.

Abstract: Encrypted-Only Radio Config

System Platforms Affected: Trunked Systems

Special Configurations: N/A

Description: This feature extends to trunking systems the ability to configure an encrypted environment for APX radios (portable and mobile) without the user having to program a secure selection switch, button or menu. Call types supported include:

- Group Calls/Emergency Calls
- Dynamic Regrouping
- Private Call
- Telephone Interconnect
- Failsoft

Abstract: APX6000BN/SRX2200 UHF-R1 Frequency Range Extension to 480 MHz

System Platforms Affected: All

Special Configurations: Regulated by the RTTE standard

Description: Operating UHF 1 band for "BN" model radios have been extended from 380-470MHz to 380-480MHz. APX 6000, APX 6000 XE, APX 6000 LI, APX 5000, SRX 2200, SRX 2200 ULP "BN" models

Abstract: Data Modem Collaboration over WiFi

System Platforms Affected: All

Special Configurations: WiFi-capable APX radios and a data modem (Motorola VML750 data modem OR Sierra Wireless GX450 data modem)

Description: Allows APX radios to support collaboration with external data modems through a WiFi connection, allowing the radio to leverage the data pipeline provided by these data modems.

Abstract: Tactical Inhibit for APX Mobiles

System Platforms Affected: All

Special Configurations: N/A

Description: Allow APX Mobiles to initiate and receive tactical stun and kill commands.

Abstract: APX 4500 Support for MOSCAD

System Platforms Affected: All

Special Configurations: N/A

Description: This release supports MOSCAD on APX 4500.

Updates:

Abstract: Missing Analog Audio in a DVRS configuration

System Platforms Affected: All

Special Configurations: Mobile MSU Rx Mute Delay is greater than 0ms in codeplug; Mobile MSU configured to proxy analog audio to DVR.

Description: Prior to this release, an APX mobile configured for DVRS operation will not pass received audio to the DVR if the CPS Rx Mute Delay is configured to be any other value than 0ms.

Abstract: APX6000BN will not pair Bluetooth with the Scott airpack

System Platforms Affected: N/A

Special Configurations: Scott Airpack Bluetooth configured with APX6000BN or APX8000.

Description: From releases R15.10.00 through R16.12.00, APX6000BN will not pair with the Scott Airpack.

Abstract: APX8500 displays "Rx freq error"

System Platforms Affected: N/A

Special Configurations: Impacts APX8500 radios only

Description: Prior to this release, the APX8500 radio will display "Rx freq error" when programmed with frequency range between 799 to 806 Mhz.

Abstract: Radio will not resume channel search from selected channel

System Platforms Affected: N/A

Special Configurations: 'Save Last Selected Channel' is enabled in the codeplug

Description: Prior to this release, the radio will not resume channel search from selected channel upon re-entry of the channel search feature.

Abstract: Power Cycle required after USB disconnect for RF Modem applications

System Platforms Affected: All

Special Configurations: APX RF Modem enabled; USB connection to PC running RF Modem applications.

Description: From release R14.00.00 through R16.30.00, the APX radio requires a power cycle to re-establish the USB connection to the RF modem application after the PC loses power.

Abstract: Radio unable to perform differential write after firmware upgrade

System Platforms Affected: N/A

Special Configurations: Pre-R15 firmware residing in radio; OTAP enable; Radio Manager

Description: Prior to this release, an APX radio upgraded from a pre-R15 firmware release to R15 or later firmware will not be able to perform a differential write when attempting to use OTAP to write the codeplug through Radio Manager.

Abstract: Radio will now use the codeplug secure settings for Multi Group (Announcement) call when the ID is different than the radio codeplug value

System Platforms Affected: APCO P25 Trunking

Special Configurations: Announcement group re-assigned by system during

affiliation

Description: Prior to this release, if the Announcement group was reassigned to a new group value the radio would assume a mismatch with the secure information and strap the call to Clear mode.

Abstract: Radio intermittently goes Out of Range for a moment

System Platforms Affected: APCO 25 Trunking simulcast

Special Configurations: Multi System Scan Active, Out of range indication on

Description: From release R12.00.00 to R16.30.00, an APX radio will briefly flash the Out of Range indication when checking the other system(s).

Abstract: Radio sometimes keys up on the Announcement Group instead of its selected Talkgroup

System Platforms Affected: APCO 25 Trunking

Special Configurations: Conversation Type set to Transmission Trunking in the radio

Description: Prior to this release, after a radio has finished receiving voice from its Announcement Group, the radio may key up on the Announcement Group instead of radio's selected Talkgroup if keyed quickly after the Announcement call ends.

CPS Release Notes

New Version: R17.00.01

Old Version: R16.01.02

Updates:

Abstract: Maximum Alert Tone setting increased on APX6000BN/SRX2200 codeplugs

System Platforms Affected: All

Special Configurations: Impacts APX6000BN/SRX2000 radio codeplugs

Description: In the R16.01.02 CPS, the maximum alert to setting was restricted to 180. This restriction has been removed and the user can configure their radios up to maximum setting of prior releases, 255.

Important Notes:

Abstract: Windows 10 operating system now supported.

System Platforms Affected: N/A

Special Configurations: N/A

Description: Starting with version R15.00.01, the CPS can be installed on

Windows 10 operating systems.

Abstract: CPS/Radio Manager version R15.00.00 or higher must be used in order to activate Entitlement IDs.

System Platforms Affected: N/A

Special Configurations: N/A

Description: Starting with version R15.00.00, users can now activate entitlement IDs.

Abstract: Firmware update files are distributed in the .BBF format

System Platforms Affected: N/A

Special Configurations: N/A

Description: Starting with version R14.50.00, firmware update files are distributed in the .BBF format

Abstract: **Motorola Online Access Subscription Required**

System Platforms Affected: N/A

Special Configurations: N/A

Description: Starting with version R13.01.00, CPS will be available to purchase as either a Download-Only 3-Year Subscription (HKVN4289A, \$299) or DVD/Download 3-Year Subscription (RVN5224, \$399- One Subscription Per Customer Account).

Abstract: Windows XP and Windows Vista no longer supported.

System Platforms Affected: Windows XP and Windows Vista

Special Configurations: N/A

Description: Starting with version R13.00.00, the CPS cannot be installed on Windows XP and Windows Vista operating systems.

Abstract: FCC Narrowbanding Mandate

System Platforms Affected: All

Special Configurations: N/A

Description: Per the FCC Rule Part 90 requirements on narrowbanding, VHF and UHF radios imported or manufactured after 12/31/2012 will no longer be authorized to operate on 25 kHz channel bandwidth. The exception to Rule Part 90 narrowbanding requirements are for radios operating only within 470-512 MHz frequencies (T-Band), which will continue to support 25 kHz channel bandwidth functionality. The FCC requires that a radio is authorized to operate within the specified bandwidth and that the user is required to have a FCC license to operate in that mode.

After the FCC mandate takes effect, specific frequencies in VHF and UHF are still allowed to operate at 25 kHz.

Examples of VHF and UHF services not subject to Part 90 narrowband include: Part 80 marine frequencies, Part 87 aviation frequencies, Part 95, FRS/GMRS and MURS, Part 97 amateur frequencies, and NOAA weather channels. CPS continues to support these options.

Note:

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