



MOTOTRBO® System Release Notes Professional Commercial Radios (PCR) & Accessories

North America Region

**Version: R2.8.5
Date: December 08, 2017**

MOTOTRBO December 2017 Software Release

Contents

Contents

- Overview 3
- Definitions 3
- What’s new in the Release..... 3
- Product Versions 4
- Known Issues in Product Release 5
- Resolved Issues in Product Release 8

Overview

This section details the known MOTOTRBO product issues which remain outstanding at the time of this release of software to the field.

Known product issues are divided into two categories:

- Known issues contained within the current release
- Resolved Issues that have now been fixed within the current release

Definitions

A known issue is a problem that is currently unresolved (open).

A closed or resolved issue is one that has been repaired and no longer should occur in the product after upgrading to the new product version.

The risk and workaround aspects are included in the release note description (Known Issues) for overall assessment of the problem.

What's new in the Release

Infrastructure features

None

Radio Features

Channel Home Revert

Modes: Connect Plus

Applicable to XPR 7000/7000e, SL 7000/7000e, XPR 5000/5000e display radios

Allows the radio user to change the talkgroup to a pre-determined channel position (same zone or different zone) by pressing one of the programmable buttons.

Alias Display for One Touch Access

Modes: Connect Plus

Applicable to XPR 7000/7000e, SL 7000/7000e, XPR 5000/5000e display radios

When setting up the One Touch Access Call feature the programmer has the capability to display either the standard text : OT-1, OT-2, etc., or to select the contact alias truncated to certain number of characters depending on the radio: XPR 7000/7000e first 5 characters, XPR 5000/5000e first 4 characters, and SL7000/7000e first 6 characters.

Registration Delay for Talkgroup Change via Channel Knob

Modes: Connect Plus

Applicable to XPR 7000/7000e, SL 7000/7000e, XPR 5000/5000e display radios

Allows the programmer to define a registration time delay (0-3 seconds in increments of 100 ms) that will be used when changing talkgroups using the channel knob. Default setting is 0 seconds. The time delay is intended to allow the radio user to complete the talkgroup selection before the Registration takes place and the Site ID window is shown to the user.

Lower Volume Setting

Modes: Conventional/Capacity Max/Capacity Plus/Connect Plus

Applicable to XPR 3000/3000e, XPR7000/7000e, SL 7000/7000e portables

Ability to reduce the minimum volume level to – 52 dB.

Product Versions

Listed below are all MOTOTRBO Product types with a reference to the released version of software:

MOTOTRBO Product	Version Supported in Release
Subscriber – MOTOTRBO 2.0, 2.5 (incl SL Series) – XPR 7000/7000e, XPR 5000/5000e, XPR 3000/3000e, SL 7000/7000e, SL 3500e	R02.08.05.0004 (CP R13.00.08)
Subscriber – MOTOTRBO – SL300/CP200d/CM200d/CM300d, XPR 2500	R01.01.25.0003 (CP R10.00.24)
Subscriber – MOTOTRBO - XPR 4000/6000	R01.12.17
Option Board – MOTOTRBO 2.0 (incl SL Series) – XPR 7000/7000e, XPR 5000/5000e, SL 7000/7000e	R02.07.36 (CP 1.1.19)
Option Board – MOTOTRBO – XPR 4000/6000	R01.07.45 (CP 1.0.16)
Repeater – XPR 8300/8400	R02.08.05.03 (CP R18.00.08)
Repeater – MTR 3000	R02.08.05.03 (CP R18.00.08)
Repeater – SLR 5700, SLR 8000, SLR 1000	R02.08.05.03 (CP R05.00.13)
XRC 9000 / 9100 Controller	R02.80.05.0409_1358
XRT 9000 / 9100 Gateway	R02.80.05.0409_1358
XRI 9100 Interconnect	R02.80.05.0409
Network Manager (merged with XRC / XRI packages)	R02.80.05.0409
Network Manager Connection Tool	R02.80.05.0409
XRT Configuration Tool	R02.80.05.0409
Capacity Max Bridge (CMB)	R02.80.00.0379_914
CPCPS	R02.07.40
Radio Management / CPS	RM V2.9.15.0 / CPS V15.5 Build 797
Tuner	V15.5 Build 235
RDAC	V8.0 Build 101
AirTracer	V10.0 Build 32
Device Discovery Mobility Service (DDMS)	R03.80.5001
Multi Channel Device Driver (MCDD)	R2.1.3 (not changed in 2.8.5)
MNIS Data Gateway	R02.80.5001
MNIS Voice and Radio Command (VRC) Gateway	R02.80.5001
MNIS Status Agent	R02.70.5000 (not changed in 2.8.5)
Capacity Max ESU	DESU-R13.03.53.03 (DESU-PCR-02.08.03.53-03.iso)
Capacity Max Trunk Controller	TC_R02.80.50.03 (cmxtc-pcr-02.80.50.03-01.iso)
Capacity Max System Advisor	EUEM-02.08.00.70 (UEM-PCR-02.08.00.70-00.iso)
Capacity Max Software Upgrade Bundle	CapMax_SW_Upgrade_Bundle_2.7_to_2.8.2_R02.80.00.02.iso (This is required for 2.7 to 2.8.2 upgrade) CapMax_SW_Upgrade_Bundle_Patch_2.8_R02.80.00.02.iso (This is only required for 2.8 to 2.8.2 upgrade)
System Design Tools	Version 06.07


3rd Party Applications	Version Supported in Release
GW3-TRBO	GW3-TRBO v3.2.14.5.1 for Capacity Max GW3-TRBO v3.2.14.3.11 for other PCR systems
Avtec VP Gate	4.4.8.7
Avtec Scout Console/Scout Manager	4.4.8.15
Avtec VPGate Advanced Radio Support w/Encryption	4.4.8.2
Avtec Data Management Services - Scout Central Distributor	4.4.8.15
SmartPTT PLUS	SmartPTT_PLUS - 9.1.2.23236
TRBOnet PLUS	TRBOnet_Plus_5.2.0.1304


1. For Capacity Max, the Firmware versions specified above for the ESU is contained in the “ESU_CM_2.7.0_to_2.8.0_Upgrade_v53-03.iso” and available on MOL.
2. The Capacity Max Software Upgrade Bundle which contains Trunk Controller, VRC Gateway and System Advisor has two One-Click iso files and are all available on MOL:
 - a). “CapMax_SW_Upgrade_Bundle_Patch_2.8_R02.80.02.iso” is used for Capacity Max System Server upgrade from 2.7 to 2.8
 - b). “CapMax_SW_Upgrade_Bundle_R02.80.02_2.8.iso” is used for Capacity Max System Server upgrade from 2.8.0 to 2.8.2 as the patch.
 - c). Please refer to the “Capacity Max Infrastructure R2.7.0 to R2.8.0 Upgrade Guide” for additional details. The Upgrade Guide applies for the patch upgrade as well.

For Capacity Max, updated Switch and Router configuration files are also available on MOL.

MOTOTRBO CPS/RM DOWNLOAD AND INSTALLATION

Due to its size the MOTOTRBO CPS/RM file had to be split into multiple zip files in past releases. Download of **RM/CPS version 15.5 build 797** in MOTOTRBO release R2.8.5 requires only a single file for the full package (1.79 MB) or for the Standalone version (304 MB).

 [MOTOTRBO RM/CPS 15.5 Build 797 \(Full version\)](#) (08 Dec 2017 Zip File 1793MB)
RM 2.9.15 / CPS Version 15.5 Build 797 **NEW !!**
Supports Windows 10, Windows 8 and Windows 7(Home or Professional)

 [MOTOTRBO CPS 15.5 Build 797 \(Standalone\)](#) (08 Dec 2017 Zip File 304MB)
Standalone CPS Version 15.5 Build 797 **NEW !!**
Supports Windows 10, Windows 8 and Windows 7(Home or Professional)

Known Issues in Product Release

Infrastructure Impact

Issue Number: CCMPD02128904
System/Product: XPR/MTR/SLR Repeaters
Description: In Capacity Plus Multi-Site mode, a Single Site All Call initiated from wireline for a certain site is inadvertently sent to all sites when “All Wide Area Talkgroups” is enabled.
Workarounds: Disable “All Wide Area Talkgroups” configuration settings on the repeater through RM or CPS.

Issue Number: CCMPD02130310
System/Product: XPR/MTR Repeaters
Description: When a radio user attempts to end a call to a personal cell phone or landline phone by pressing the back button, the call does not end. Only after the user presses the back button for a second time, does the call end.
Workarounds: In the radio phone system, the DTMF tone configuration is done through RM or CPS. The TX tone duration default value is 100 ms, but need to be set to 300 ms to avoid this issue.

Issue Number: CCMPD02133221
System/Product: SLR 5000/SLR 8000 Repeaters
Description: In a Capacity Max system, if a repeater transitions from system trunking to site trunking and the network adapter is disabled or a USB cable is unplugged from the repeater, the repeater will reset which may cause a call to be lost. The system will recover after the reset which takes about 20 seconds.
Workarounds: None.

Issue Number: CCMPD02127314
System/Product: MOTOTRBO Network Interface Service (MNIS) Data Gateway
Description: When the MNIS Data Gateway is uninstalled on a Windows 10 machine, the Tunnel network adapter is not properly removed. When it is reinstalled, a second Tunnel is created, but MNIS Data Gateway finds the uninstalled Tunnel when launched.
Workarounds: Open the “Device Manager” on the PC. Expand the “Other devices” section. Right-click “Unknown Device” and select “Properties”. Click the “Details” tab of the window that appears. Change the “Property” drop-down to “Device instance path” and verify that the Value is “ROOT\NET\000X”, where X represents a number. If there is more than one “Unknown device”, find the one with the value “\ROOT\NET\000X”. Click “OK” to close the Properties window. Right-click the “Unknown device” again and click “Uninstall”. Click “OK”.

If the Windows 10 computer fails to uninstall MNIS, the original Tunnel network adapter will need to be manually removed before MNIS can be uninstalled. Perform the following steps:

Open the “Device Manager” on the PC. Expand the “Network adapters” section. Right-click “MOTOTRBO Tunnel #2” and select “Uninstall”. Make sure that nothing is checked in the confirmation pop-up. Click “OK”. MNIS can now be uninstalled.

Radio Impact

Issue Number: CCMPD02137114
System/Product: MOTOTRBO XPR 2500 mobile
Description: If the Voice PreTime Duration is set to be greater than 0 (default is 0) , then the Call ID screen will appear when PTT is pressed but before the radio has finished sending the PreTime. User has to wait until talk permit tone sounds before he can talk.
Workarounds: None.

Issue Number: CCMPD02139650
System/Product: MOTOTRBO radios performing OTAP over LMR or WiFi
Description: When user performs a full codeplug (huge codeplug) OTAP upgrade via RM and commit and switchover together, then if the radio is power off within 10 minutes, the radio will not switchover to new software but RM will report the switchover is successful.
Workarounds:

1. For LMR OTAP:
 - a. Recommend RM to perform an OTAP Job with delayed switch-over, with a delay of more than 10 minutes.
 - b. When the user is prompted with options to power cycle the radio now, or delay it after the delay time, ask the user to choose the delayed switch-over option. This will ensure that the radio has enough time to perform the commit and start the switch-over work.
2. For WiFi OTAP:
 - a. After a OTAP write, do not power off the radio for 10 minutes, allowing it to complete the OTAP operation at the background until switchover and auto-power cycle.
 - b. If unsure, administrators, wait for 10 minutes after OTAP, perform a Read operation and verify if the codeplug changes and firmware changes have taken effect.

Issue Number: CCMPD02140203
System/Product: MOTOTRBO XPR 7000/7000e, XPR 5000/5000e, SL 7000/7000e in Connect Plus mode
Description: Registration popup frozen on Home screen when Silent or Silent with Voice Emergency Call or Emergency Voice is initiated right after switching to new channel. Display shows registration screen instead of TG screen. This will remains until PTT is pressed or Emergency call is complete. This only happens when a configured registration delay is present, or fringe area where registration is delayed upon channel change due to weak signal. This issue does not happen in Silent Emergency Alert.
Workarounds: None

Issue Number: CCMPD02140295
System/Product: Radio Management - Configuration Mode
Description: RM shows out-of-range error in the analyze window when running the analyze with the newly added analog channel(s) on MTR3000 VHF repeater in RM config mode. It requires to update Tx and Rx frequency settings on the newly added analog channel(s) to the values within VHF range.
Workarounds: None.

Issue Number: BWI127057
System/Product: Radio Management - Configuration Mode
Description: Once a feature gets registered on a CMSS using an EID which contains more than

one CFS feature, this CMSS cannot be registered for any features which are available in the EID. This CMSS is not shown in the list of Available System Servers.

Workarounds: 1: Register all the desired features with the needed quantity on a single CMSS at once.
2: Use the EID which contains a single CFS feature to register.

Issue Number: CCMPD02105864
System/Product: MOTOTRBO XPR radios with Bluetooth
Description: Pressing Cancel in the middle of switching Bluetooth headsets may cause the Bluetooth menu display to lock up in rare occasions. Pressing PTT or a channel change will recover this condition.
Workarounds: Do not press “cancel” in the middle of switching Bluetooth headsets

Issue Number: CCMPD02131510
System/Product: XPR 7000e/5000e and SL 7000e Radios with WAVE and Front Panel Programming (FPP) Dealer mode enabled.
Description: These radios will allow the user to enter FPP Dealer Mode on a WAVE personality when it should not. There is no adverse impact if a user does enter FPP Dealer Mode on a WAVE personality however many of the parameters do not apply to WAVE.
Workarounds: Do not enter FPP Dealer Mode on a WAVE personality.

Issue Number: CCMPD02038621
System/Product: Connect Plus/XPR 5000/5000e mobile
Description: Toggling the Horn and Lights setting via both Menu and Programmable Button will result in a mismatch of the status.
Workarounds: Use only a Programmable Button to toggle the Horn and Lights setting in Connect Plus mode.

Resolved Issues in Product Release

Resolved issues are the known product problems that were reported in products releases, but have now been fixed or closed.

Defect ID	Release Introduced	Product	Headline
CCMPD02138920	MOTOTRBO 2.8	Connect Plus XRC/XRT	Corrected multi-site table error after an NID change
CCMPD02136886	MOTOTRBO 2.8	SLR 1000	Corrected inactive state found on GPIO pin 8
CCMPD02135140	MOTOTRBO 2.8	XPR 8000/SLR5700	Does not pass TPL when set for CSQ
CCMPD02135142	MOTOTRBO 2.8	SLR 5700	Repeater rebooting continually
CCMPD02138172	MOTOTRBO 2.6	XPR 8000/SLR5700/SLR8000	Capacity Max – Clear Talk – Mass Random Access
CCMPD02138516	MOTOTRBO 2.8	SLR 5700	Phantom Key Ups
CCMPD02138571	MOTOTRBO 2.7	MTR 3000	MNIS, NeoTerra, and repeater communication issues
CCMPD02139179	MOTOTRBO 2.7	SLR 8000	Wireline fails to key intermittently after multiple attempts
CCMPD02138284	MOTOTRBO 2.7	Device Discovery Mobility Service (DDMS)	MNIS, NeoTerra, MTR 3000 Communication issues –DDMS-Subs V2 message with the range more than 25
CCMPD02126877	MOTOTRBO 2.7.0	MOTOTRBO radios	Several issues found for Keep Alive command used in SFR
CCMPD02139242	MOTOTRBO 2.6.0	XPR 7000/7000e SL 7000/7000e XPR 5000/5000e	Filtered RSSI fix in Capacity Max

CCMPD02137465	MOTOTRBO 2.6.0	XPR 5000/5000e	Audio quality improvement for XPR 5000/5000e mobile radio
CCMPD02132474	MOTOTRBO 2.3A	XPR 7000/7000e SL 7000/7000e XPR 5000/5000e	Transmit Interrupt - EOB
CCMPD02133844	MOTOTRBO 2.7.0	XPR 5000/5000e	A very short TPT burst is heard on receiving radios whenever the LRW RSM is used for transmitting
CCMPD02131717	MOTOTRBO 2.2	XPR 7550e	XPR7550e_RM_Channel Pool is Selected Zone When First and Written Over WiFi
CCMPD02131975	MOTOTRBO2.6.0	XPR 7000/7000e SL 7000/7000e XPR 5000/5000e	Cap Max GPS update interval cannot support 5 or 10 mins update
CCMPD02125520	MOTOTRBO 2.7.0	XPR 7000/7000e SL 7000/7000e XPR 5000/5000e	Need confirmation for Cap Max 2.7 Sign In feature
CCMPD02125585	MOTOTRBO	XPR 4000/XPR 6000	Issue with GPS after turning on option "Power RAMP TRIGGER ON"
CCMPD02130084	MOTOTRBO 2.5A	XPR 7000/7000e SL 7000/7000e XPR 5000/5000e	Bluetooth accessories disconnects from portable radio.
CCMPD02126518	MOTOTRBO 2.6.5	XPR 7000/7000e XPR 5000/5000e	Box TRBO2.8.0 - RSSI Bar shouldn't blank after radio sending GPS update while receiving call
CCMPD02138604/ Case 25723605	MOTOTRBO	SL 300 PORTABLE	Scan Lock up issues.
CCMPD02129904 CCMPD02130509 CCMPD02129665	MOTOTRBO 2.4A	XPR 5000/5000e	PTT problem with XPR 5000/5000e radios during interference

Defect ID	Release Introduced	Product	Headline
CCMPD02132970	MOTOTRBO 2.6.0	Radio Management	Voice Announcement Files Are Not Longer Associated When Configuration is Copied
CCMPD02135184	MOTOTRBO 2.7.0	Radio Management	Error #22013 [Failed to validate Read/Write Password] when using RM Template mode
CCMPD02135263	MOTOTRBO 2.6.0	Radio Management	RM 2.0 Device programmer stops working when running large number of jobs.
CCMPD02138984	MOTOTRBO 2.8.0	Radio Management	RM database conversion appears to have stopped
CCMPD02138833	MOTOTRBO 2.8.0	Tuner	Tuner Version 15.0 Build 234 - Cannot connect to any SLR8000 repeater - Error #1060
TFS00102884	MOTOTRBO 2.7.0	CPS	Can't write pre-R2.7.0 CDM 200d/300d archive to R2.7.0 CDM200d/CDM3000d if the value of "General Setting/Min Speaker Volume Level(dB)" is bigger than 9 in the archive file.
CCMPD02132143	MOTOTRBO 2.8.0	Radio Management	When only Device ID or Redundancy Group ID gets modified in the system view, the tool does not mark the repeaters as modified when it should have. User should schedule a write job for the affected repeaters.
CCMPD2131834	MOTOTRBO 2.7.5	Radio Management	In Radio Management - Config mode, within a saved Capacity Max System set, if there are more than one line item in the Alternate Trunking Controller Address, Site Announcement, or Username Verification Application Addresses and a line item other than the last one in the table is deleted, RM will mark all devices as Codeplug modified when only the CMSS devices should be marked as Codeplug modified.
TFS112256	MOTOTRBO 2.8.0	Radio Management	RM OLH cannot be launched via the "F1" key if RM is not launched with the admin right once.
CCMPD02139550	MOTOTRBO 2.8.0	Connect Plus OB	XPR5580e Connect Plus 2.8 P3 button text runs over the P4 button image
CCMPD02139551	MOTOTRBO 2.8.0	Connect Plus OB	XPR7580e Connect Plus 2.8 radio freezes if moving channel selector positions
CCMPD02139552	MOTOTRBO 2.8.0	Connect Plus OB	XPR7580e Connect Plus 2.8 Slow Knob Selector Improvement issue. Registration Delay timer added.
CCMPD02139556	MOTOTRBO 2.8.0	Connect Plus OB	XPR7580e Connect Plus Radio freezes when rotating the knob very fast - 3-4 positions back & forth.
CCMPD02139558	MOTOTRBO 2.8.0	Connect Plus OB	OB upgrade/Downgrade/Erase using CPCPS causing radio to lose connectivity.