



Motorola Solutions

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

Version: R02.2b

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MOTOTRBO July 2013 Software Release

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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

- 1) **Silent Power Up with Accessory:** If power up tone is disabled via CPS, radio will check upon power up if an accessory is attached. If it is, then radio shall not sound any tone or voice from power up to the accessory detection stage.
- 2) **SL Series Charging Indicator:** When the SL Series radio is OFF and charging in a Multi Unit Charger (MUC), a battery charging indicator icon will be shown on the display. This is to allow users to know the charging status of the radio without needing to press any buttons to turn on the radio backlight.
- 3) **SL Series Start-up Screen Update:** As part of an effort to improve the robustness of the SL Series radio, the engineering team has made some updates to the radios, including the development of a dual-facing holster. In tandem to the new holster, a minor update has been made to the start up screen to reflect the use of the dual-facing holster.
- 4) **Radio Name Display on Analog Channels (Alphanumeric Display Portable and Mobile models):** Allows a pre-set programmable button to display the Radio Name when pressed on Analog channels, just as it has done up to now on Digital channels.

- 5) **Linked Capacity Plus Enhancement (XPR and MTR Repeaters):** Allows up to 15 sites in a system with 8 trunked repeaters and 4 Data Revert repeaters at each site.

NOTE: The trunking protocols in repeater Firmware R02.20.12 were changed to support a Linked Capacity Plus configuration of 15 sites with 8 Trunked repeaters. **Repeaters with the new R02.20.12 firmware can only connect to other repeaters with the new R02.20.12 firmware in Capacity Plus and LCP mode.** If you upgrade the firmware of one repeater, which is used in Capacity Plus or LCP configuration, you will have to upgrade all of the other repeaters in the same system. If extenuating circumstances do not allow you to upgrade all existing repeaters, please contact Motorola Technical Support (800-927-2744 #3, 3) for workaround assistance.

Conventional, IP Site Connect or Connect Plus configurations are NOT affected by this requirement.

Upgrade procedure: Firstly, upgrade all the repeaters at the master site – beginning with the master and then the remaining peers at that site. Then follow through with upgrades of all non-master site repeaters.

- 6) **Connect Plus Update** – Support for Connect Plus 1.4 Option Board.
- 7) **IMPRES battery capacity** – the incorrect capacity readout of fully charged batteries, which was reported with firmware versions R02.06.20 and R01.11.20, was corrected in firmware R02.06.21 (XPR3300, XPR3500, XPR7350, XPR7550, XPR7380, XPR7580) and R01.11.21 (XPR6350, XPR6550, XPR6380, XPR6580). Note: Non-IMPRES batteries and SL7550, SL7590 were not affected.

Also see - Resolved issues in product release section.

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 (SL Series & Mobile Only)	R02.06.20
Subscriber – MOTOTRBO 2.0 (Portable Only)	R02.06.21
Subscriber – MOTOTRBO (Mobile Only)	R01.11.20
Subscriber – MOTOTRBO (Portable Only)	R01.11.21
Subscriber – MOTOTRBO Light	R01.00.00
3600 Trunking Subscriber	R01.10.20
Repeaters XPR 8300, XPR8380, XPR8400, MTR3000	R02.20.12
CPS	R9.0
Air Tracer	R7.5
Tuner	R10.1
RDAC	R4.5
Presence Notifier / Device Discovery Mobility Service (DDMS)	R3.10.5001
MOTOTRBO Network Interface Service (MNIS)	R02.22.5001
Multi Channel Device Driver (MCDD)	R2.1.3

Application Developer Documentation

MOTOTRBO-WIRESHARK-PN0200-R01.zip
MOTOTRBO-WIRESHARK-DDMS0101-R01.zip
MOTOTRBO-WIRESHARK-WIRELINE0705-R01.zip
MOTOTRBO Data Services Overview For Connect Plus v01.01
MOTOTRBO Location Data ADK Guide for Connect Plus v01.02
MOTOTRBO Presence Notifier-to-Watcher Interface Specification v01.02
MOTOTRBO XRT 9000 Airtime Billing Protocol Specification v01.00
MOTOTRBO XRT 9000 Gateway Data Protocol Specification v01.00
MOTOTRBO XRT 9000 Voice Gateway Protocol Specification v01.03
MOTOTRBO Link Establishment Protocol Specification v01.00
MOTOTRBO Repeater Call Monitoring Protocol Specification v01.00
MOTOTRBO Network Interface Service Development Guide v01.00
MOTOTRBO Network Application Interface Call Control Protocol Specification v01.00
MOTOTRBO Device Discover and Mobility Service-to-Watcher Interface Guide Specification v01.00
MOTOTRBO Location Data ADK Guide v01.09
MOTOTRBO Text Messaging ADK Guide v01.08
MOTOTRBO Telemetry ADK Guide v01.05
MOTOTRBO SDK GOB Development Guide: Version 01.07
MOTOTRBO XCMP / XNL Development Specification: Version 02.14
MOTOTRBO Test & Tuning XCMP / XNL Development Specification: Version 01.04

Known issues in product release

Issue Number	CCMPD01779458
Product / Version	XPR 8300, XPR8380, XPR8400, MTR3000 Repeaters
User Impact Description	RDAC lock up or become non responsive. When RDAC lock up state, the user can disconnect any repeater or router and RDAC does not reflect the disconnect status or reconnections of the system. Also no RDAC commands will work as well, such as writing to the repeater or setting off alarms.
Frequency of Occurrence	Rare
Trigger	N/A
Special Configurations	N/A
Recovery Method	N/A
Recovery Time	N/A
Workarounds	Exit the RDAC program and then re-start the RDAC program.
Issue Number	BWI 8951
Product / Version	CPS
User Impact Description	Gang programming upgrade (Batch Write) of greater than 5 radios may result in error 10006 or error 4 messages.
Frequency of Occurrence	Occasional
Trigger	From the CPS device view, scheduling and executing a batch write job for 5 or more radios may result in an error message for some of the radios.
Special Configurations	N/A
Recovery Method	N/A
Recovery Time	N/A
Workarounds	Perform manual re-try if the error occurs as prompted by Radio Management
Issue Number	CCMPD01732180
Product / Version	XPR2500 Mobile
User Impact Description	Radio will not display incoming priority caller id when scan is on. The caller id will appear in subsequent attempts.
Frequency of Occurrence	Often
Trigger	Radio landed on higher priority scan member while also landing on lower priority channel.
Special Configurations	Priority Scan.
Recovery Method	The transmit radio keys up for a second time during scan hang time after receive radio lands on the higher priority channel..
Recovery Time	N/A
Workarounds	N/A
Issue Number	CCMPD01756758
Product / Version	XPR2500 Mobile
User Impact Description	After the radio user PTT's, the busy tone takes up to 3 seconds to be heard even though the LED indicator lights up immediately. As a result, the radio user experiences slow conversations without knowing the system is busy and the radio user does not have access to the system.
Frequency of Occurrence	Reproducible.
Trigger	PTT when system is busy.
Special Configurations	Capacity Plus and Linked Capacity Plus, Voice calls.
Recovery Method	N/A
Recovery Time	N/A
Workarounds	N/A

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.

Issue Number	Product / Version Found	Impact Description
CCMPD01801500	2.06.20	Radio would display Battery Low alert for Fully charges IMPRES batteries, 2-3 minutes after being removed from the charger, due to incorrect capacity calculation.
CCMPD01740499	2.06.10	Presence Notifier / Device Discovery Mobility Service (DDMS)
CCMPD01672087	2.00.00	Digital XPR7000 Series has a feature which do not allows to operate in fully covert mode
CCMPD01745999	2.00.00	No XCMP EMGBRDCST received from radio when emergency occurs while there is already an active emergency
CCMPD01730018	2.00.00	The Channel Alias of Virtual Personality can NOT display in Radio Screen (MOTOTRBO and MOTOTRO 2.0)
CCMPD01748750	1.00.00	XPR4550 Conventional VHF - Decoding incorrect MDC ID's
CCMPD01749723	2.06.11	Scan indicator broadcast sequence is inconsistent between MOTOTRBO and MOTOTRBO 2.0 radios.
CCMPD01750676	1.04.00	XPR4550 radios – with Scan enabled, leave Private Calls prematurely
CCMPD01753230	2.00.00	XPR5550 with RMN5050 Desktop Mic – pressing both the Tx and Monitor Button at the same time locks the Tx
CCMPD01756760	1.07.00	Capacity Plus delay before Busy Tone too long
CCMPD01764052	2.05.00	XPR3000 radio could not detect IMPRES RSM
CCMPD01771726	2.00.00	SL7550 display never shows full battery indicator, even when the battery is fully charged
CCMPD01775694	2.00.00	XPR7550 IMPRES Issue – when there is an error in the battery data, radio was not be able to detect Battery and RSM.
CCMPD01776366	1.00.00	XPR6580 - Inaccurate battery reading
CCMPD01748751	1.00.00	XPR4550 Conventional VHF - Decoding incorrect MDC ID's
CCMPD01750675	1.04.00	XPR4550 - while scanning, the radios leave Private Calls prematurely
CCMPD01756759	1.07.00	Capacity Plus delay before Busy Tone too long
CCMPD01719204	2.02.00	Case 1: When CPS is used to read default Codeplug directly from the radio, an auto-correction dialog would be popped out. Case 2: In a radio with default Codeplug, user can see Phone Manual Dial Menu, but cannot enter it.
CCMPD01708755	2.02.00	Help in the 3rd Pane may not appear for few configuration items. For details, please launch the Help via Help menu.
CCMPD01704923	2.02.00	Site Peer Intermittently won't Get DHCP IP Address If Quickly power cycle Repeater and Router.
CCMPD01728077	2.02.00	DC Power Cutback enhancement not functional in MTR3000
N/A	2.02.00	Can't upgrade firmware in XPR 3000 Series radio templates in Radio Management
CCMPD01690495	2.00.05	Default Digital Emergency Signaling System alias is blank after an upgrade from R2.0.5 to R2.1
CCMPD01685386	2.00.00	If an Analog Vote Scan list has a mixture of systems belonging to the same signaling type, when the radio receives a call, the radio will always decode the call according to the call type set in the first signaling system. Only involves MDC and QCII signaling systems.
CCMPD01684307	2.00.05	Radio should show current channel number when in RF Test Mode. The radio lights up only the left 7-segment LED and displays a random channel number.
CCMPD01633140	2.00.05	MOTOTRBO 2.0 radios revert to different channel while radio is in off-hook scan hang time
CCMPD01590628	2.02.01	When exiting emergency on IP Site Connect, the SL Series radio may show the wrong site ID on the display. No loss of communications occurs and the display will update to show the correct site ID upon channel change or the next time roaming occurs.
CCMPD01578834	2.00.00	MOTOTRBO 2.0 mobiles respond incorrectly to XCMP display queries when the radio has been inhibited
CCMPD01577512	2.00.00	MOTOTRBO 2.0 portables and mobiles do not send back font & background color information upon receiving XCMP color information

Issue Number	Product / Version Found	Impact Description
CCMPD01658619	2.00.00	Alpha search does not work for properly for GPS; provides incorrect display information
CCMPD01657985	2.00.00	MOTOTRBO 2.0 mobiles mute after 3rd party board (MAP) has been attached; audio does not transmit from Visor microphone accessory, while joined with IMPRES Heavy Duty microphone
CCMPD01671396	1.05.00	Emergency caller ID does not properly update when another party responds to the emergency call
CCMPD01664756	2.00.05	MOTOTRBO 2.0 mobile display does not indicate a Generic HID cable type when selected by the user via the radio menu
CCMPD01675527	2.00.05	MOTOTRBO 2.0 mobiles do not update numeric display with emergency call revert channel when emergency alarm type is set to silent
CCMPD01675428	2.00.05	Radio Enable will shutdown the emergency call decode on MOTOTRBO 2.0 portables and mobiles
CCMPD01634940	2.00.05	Emergency receive tone does not resume after receiving and emergency voice call when "All Tones" are disabled
CCMPD01576055	2.00.00	When the Channel Dial Feature is enabled and the Channel is changed from the Home screen, the radio will power up on the previously used channel rather than the Channel set from Home screen after the next Radio Power cycle.
CCMPD01571863	2.00.00	The Mobile Numeric Display Radio LED used to indicate Channel Change mode may blink at a faster than usual rate when a Call is received concurrently with a Channel Mode change.
CCMPD01558736	2.00.00	If the selective call hang timer is selected to zero (invalid configuration), then the radio's menu response will freeze.