



**MOTOROLA SOLUTIONS**

Motorola Solutions, Inc.

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

**Version: R2.10.10**

**Date: February 21, 2020**

**North America Region**

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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

**This release contains a number of defect fixes. Please see the Resolved Issues Table for further details.**

### Repeater:

**SLR1000/5000/8000, XPR 8380/8400, MTR 3000**

This release fixed three repeater defects, please reference the “Product Versions Table” and “Resolved Issues In Product Release” for details.

### Subscriber:

**C3# 27014362: Problem with MOTOTRBO R2.10.5 on XPR7550e with PMNN4407AR**








R2.10 released a new feature “Competitive Battery Detection” to detect non-MSI battery when used with the XPR 7550e series subscriber. However MSI old legacy battery without copyright block after being inserted into IMPRES charger 2 will be detected as competitive battery.

## MOTOTRBO Release 2.10 Upgrade Guide

R2.10.5 is the baseline firmware version for MOTOTRBO Release R2.10.

NA customers will see R2.10.8 in devices and repeater products coming from the factory although this release is basically the same as R2.10.5 (It was done because of a requirement in another region).

Customers may upgrade to R2.10.9 if they need the Capacity Max Site restriction fix or the SLR series repeater fixes. Customers may also upgrade to R2.10.10 to get both the R2.10.9 and R2.10.10 features and fixes.

| NA Region                         | R2.10.5  | R2.10.8   | R2.10.9   | R2.10.10  |
|-----------------------------------|--|---|---|---|
| Should I upgrade to this release: | As required  | Not needed.   | Only if you need the Cap Max Site Restriction feature, repeater fixes, or the new Tuner   | Only if you need SLR Series repeater fixes and/or XPR 7550e series battery detection fix.   |
| Main Features:                    | <ul style="list-style-type: none"> <li>- Cap Max: Site Restriction via talkgroup affiliation.</li> <li>- XPR 7550e/7580e Keypad Lock enhancement</li> <li>- Wi-Fi Roaming Enhancement</li> <li>- Radios/Repeater Authentication</li> </ul> | <ul style="list-style-type: none"> <li>- No new features</li> <li>- No fixes</li> <li>- Europe Region Essential Services only</li> </ul>  | <ul style="list-style-type: none"> <li>- Cap Max fix: Site Restriction via talkgroup affiliation.</li> <li>- SLR Repeater fixes.</li> <li>- New MOTOTRBO Tuner.</li> <li>- See Release Note for details.</li> </ul> | none  |
| Scope:                            | <ul style="list-style-type: none"> <li>- Infrastructure</li> <li>- All MOTOTRBO Devices</li> <li>- CPS/RM</li> </ul>   | <ul style="list-style-type: none"> <li>- No Infrastructure</li> <li>- XPR 7000/7000e, XPR 5000/5000e, SL 7000e, XPR 3000/3000e, XPR 3500e, XPR 2500</li> <li>- No CPS/RM</li> </ul> | <ul style="list-style-type: none"> <li>- SLR Repeaters</li> <li>- XPR 7000/7000e, XPR 5000/5000e, SL 7000e, XPR 3000/3000e, XPR 3500e, XPR 2500</li> <li>- No CPS/RM</li> </ul>                                     | <ul style="list-style-type: none"> <li>- SLR, MTR, XPR Series Repeaters</li> <li>- All MOTOTRBO Devices</li> <li>- No CPS/RM</li> </ul> |
| Available in MOL:                 |   | Recovery packages only  |    |    |
| Factory radios:                   |   |    |    |    |

## Product Versions

Listed below are all MOTOTRBO Product types with a reference to the released version of software (new versions are highlighted in green):

| 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 | <i>R02.10.10.0001</i>   |
| Subscriber – MOTOTRBO - SL300/CP200d/CM200d/CM300d/XPR 2500   | <i>R01.01.49.0000</i>   |
| 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                              | R02.07.38 (CP 1.1.19)   |
| Option Board – MOTOTRBO - XPR 4000/6000   | R01.07.45 (CP 1.0.16)   |
| Paradise MPT1327 GOB  | <i>R01.02.06</i>  |
| Repeater - XPR 8380 / XPR 8400<br>Repeater - MTR3000<br>Repeater - SLR 1000, 5000, SLR 8000                               | <i>R02.10.00.13_R20.00.02</i><br><i>R02.10.00.13_R20.00.02</i><br><i>R02.10.00.13_R07.00.08</i> |
| XRC 9000 / 9100 Controller  | R02.100.05.1036_1695  |
| XRT 9000 / 9100 Gateway   | R02.100.05.1036_1695  |
| XRI 9100 Interconnect   | R02.100.05.1030   |
| Network Manager (merged with XRC / XRI packages)  | R02.100.05.1030   |
| Network Manager Connection Tool   | R02.100.05.1030   |
| XRT Configuration Tool  | R02.100.05.1030   |
| Capacity Max Bridge (CMB)   | R02.10.05.1043_953  |
| CPCPS   | R02.07.43   |
| Paradise MPT1327 GOB CPS  | R02.00.05   |
| Radio Management / CPS 2.0  | 2.21.61.0   |
| CPS   | CPS V16.0 Build 828   |
| Tuner   | V18.0 Build 252   |
| RDAC  | V10.0 Build 109   |
| AirTracer   | V11.0 Build 38  |
| Device Discovery Mobility Service (DDMS)  | R03.100.5001  |
| Multi Channel Device Driver (MCDD)  | R2.1.3  |
| MNIS Data Gateway   | R02.105.0011  |
| MNIS Voice and Radio Command (VRC) Gateway  | R02.105.0010  |
| MNIS Status Agent   | R02.90.5000   |
| Capacity Max ESU  | DESU-R17.01.03.19<br>(DESU-PCR-02.10.01.03-19.iso)  |

|  |  |
|--|--|
| Capacity Max Trunk Controller                | cmxtc-pcr-20.10.55.03-00.iso<br>(TC app ver: R02.10.50.01) |
| Capacity Max System Advisor                  | UEM-PCR-02.10.00.64-00.iso                                 |
| Capacity Max ESU Launchpad                   | DESU_LP-R17.01.03.19<br>(DESU_LP-R17.01.01.03-01.rhel.iso) |
| Capacity Max System Server One-Click Upgrade | CVN7213B.iso   |
| MNIS VRC Gateway                             | vrcgw-pcr-02.105.0010.iso                                  |
| System Design Tools                          | Version 06.08  |

| 3rd Party Applications                                     | Version Supported in Release |
|--|------------------------------|
| GW3-TRBO   | 2.16.3.2                     |
| Avtec VP Gate  | 4.8.2                        |
| Avtec Scout Console/Scout Manager                          | 4.8.2                        |
| Avtec VPGate Advanced Radio Support w/Encryption           | 4.8.2                        |
| Avtec Data Management Services - Scout Central Distributor | 4.8.2                        |
| SmartPTT PLUS  | 9.5.14.0                     |
| TRBOnet PLUS   | 5.4.0.2092                   |

| ETSI DMR Specification  | Version Supported in Release |
|---|------------------------------|
| TS 102 361-1: the DMR air interface protocol                    | v2.5.1                       |
| TS 102 361-2: the DMR voice and generic services and facilities | v2.4.1                       |
| TS 102 361-3: the DMR data protocol                             | v1.3.1                       |
| TS 102 361-4: the DMR trunking protocol                         | v1.7.1 ~ 1.9.2               |

1. The feature sets supported in the release are compliance with the versions of ETSI DMR standard specifications listed above. Though in DMR Tier 3 there have been some things changed to existing features that are not backwards compatible, Capacity Max complies to the newer versions so may not always work with other manufacturer's infrastructure on older versions.
2. The Capacity Max System Advisor (SA) client is not accessible for the System View, Grid View and Alarm Details view if the Java version 8u211 or newer is used on the PC where SA client resides in. Downgrading the Java to any version between and including 8u181 and 8u201 will work fine.
3. USB 3.0 port is not supported for the repeater upgrade. With R2.8.0 and newer repeater release, the recommendation is to use USB 2.0 port on the PC or connect repeater via USB 2.0 hub when upgrading the repeater via USB.
4. For each CMSS (Capacity Max System Server),
  - a. Order (1) T8699A, MOTOTRBO 2.10.5 Capacity Max System Server SW Upgrade which contains the CVN7213B.zip file loaded on a USB drive.
  - b. Alternatively, for customers with access to the MSI MyView portal, you can order (1) T8700A, MOTOTRBO 2.10.5 Capacity Max System Server SW Upgrade where you will receive an e-mail

with a unique link to access/download the CVN7213B.zip file from the MyView portal. The T8700A will require an e-mail address at the time of order.

- c. **NOTICE:** The USB drive (T8699A) can take 2-3 weeks for delivery while the downloadable file via the MyView portal (T8700A) is generally available within a week. Please plan ahead and take the delivery times into consideration before scheduling your upgrade.
5. For the PC used for CMSS upgrade,
- a. Order (1) T8486A, MOTOTRBO Capacity Max System Server SW Update Launch Pad which contains the ESU LP software files on a DVD. (The R2.10.5 upgrade requires this new ESU LP version).
  - b. Alternatively, for customers with access to the MSI MyView portal, you can order (1) T8483A, MOTOTRBO Capacity Max System Server SW Update Launch Pad where you will receive an e-mail with a unique link to access/download the ESU LP application files from the MyView portal. The T8483A will require an e-mail address at time of order.
  - c. Please refer to the section “Upgrading a *Capacity Max System from R2.10 to R2.10.5*” of Capacity Max System Release Upgrade Guide for additional details. It is available on MOL and the Upgrade Guide applies for the patch upgrade as well.
  - d. **NOTICE:** The DVD (T8486A) can take 2-3 weeks for delivery while the downloadable file via the MyView portal (T8483A) is generally available within a week. Please plan ahead and take the delivery times into consideration before scheduling your upgrade
  - e. The ESU Launchpad About page describes the target CMSS versions that it supports to, ensure the appropriate ESU Launchpad version is ordered along with the CMSS upgrade installation files.

## Known Issues in Product Release

### **Infrastructure Impact**

**Issue Number: UEM-6012**

System/Product: Capacity Max System Advisor Client

Description: If Java version 8u211 is used, the user will not be able to access the System View, Grid View and Alarm Details view although there is no data loss and the GridView will still be available from the web browser

Workarounds: Downgrading Java to any version between and including 8u181 and 8u201 will work fine.

### **CPS/RM Impact**

**Issue Number: DMGMT-1454**

System/Product: MOTOTRBO RM

Description: When attempting to edit a Cap Max Site Selection List set, RM freezes. It takes minutes to display and edit Cap Max Site Selection List from the set view.

Workarounds: Show and edit Cap Max Site Selection List from the configuration view instead of the set view.

### **Radio Impact**

None.

## Resolved Issues In Product Release

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

| <i>Defect ID</i>          | <i>Release Introduced</i> | <i>Product</i>  | <i>Headline</i>  |
|---------------------------|---------------------------|---|--|
| <i>ENG_INFRA_PCR-3998</i> | <i>MOTOTRBO2.8.0</i>      | <i>SLR 1000, SLR 5000, and SLR 8000 series</i>                  | <i>DMM Repeater with RAS gets locked out when a radio without RAS tries to key up<br/>C3: 27012027</i> |
| <i>ENG_INFRA_PCR-4106</i> | <i>MOTOTRBO2.9.0</i>      | <i>SLR 1000, SLR 5000, SLR 8000, XPR 8380/XPR 8400, MTR3000</i> | <i>User getting "PARTY BUSY" on display on a Group Call randomly<br/>C3: 26608786</i>                  |
| <i>PCR_SUB-14903</i>      | <i>MOTOTRBO2.10.0</i>     | <i>XPR 7550e Series</i>   | <i>PROBLEM WITH MOTOTRBO R2.10.5 ON XPR7550e WITH PMNN4407AR.<br/>C3: 27014362</i>                     |