Motorola Solutions, Inc.

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

North America Region

Version: R2.10.09
Date: Nov 15, 2019

Contents

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

No new features were introduced in the MOTOTRBO 2.10.09 release, however there were a number of defects that were fixed.

SLR Series Repeater:

This release fixed three repeater defects, please reference the "Resolved Issues In Product Release" for details.

XPR 7000/7000e, XPR 5000/5000e, SL 7000/7000e Radios:

This release fixed one radio defect in Capacity Max mode: Site Restriction feature , please reference the "Resolved Issues In Product Release" for details.

Tuner:

This release fixed one Tuner defect, please reference the "Resolved Issues In Product Release" for details.

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.

NA Region	R2.10.5	R2.10.8	R2.10.9
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
Main Features:	- Cap Max: Site Restriction via talkgroup affiliation. - XPR 7550e/7580e Keypad Lock enhancement - Wi-Fi Roaming Enhancement - Radios/Repeater Authentication	- No new features - No fixes - Europe Region Essential Services only	- Cap Max fix: Site Restriction via talkgroup affiliation fix. - SLR Repeater fixes. - New MOTOTRBO Tuner. -See Release Note for details.
Scope:	- Infrastructure - All MOTOTRBO Devices - CPS/RM	- No Infrastructure - XPR 7000/7000e, XPR 5000/5000e, SL 7000e, XPR 3000/3000e, XPR 3500e, XPR 2500 - No CPS/RM	- SLR Repeaters - XPR 7000/7000e, XPR 5000/5000e, SL 7000e, XPR 3000/3000e, XPR 3500e, XPR 2500 - No CPS/RM
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:

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	R02.10.09.0001
Subscriber – MOTOTRBO - SL300/CP200d/CM200d/CM300d/XPR 2500	R01.01.45.0001
Subscriber – MOTOTRBO legacy - XPR 4000/6000	R01.12.17
CP Option Board – MOTOTRBO 2.0 (incl SL Series) - XPR 7000/7000e, XPR 5000/5000e, SL 7000/7000e	R02.07.38 (CP 1.1.19)
CP Option Board – MOTOTRBO legacy - XPR 4000/6000	R01.07.45 (CP 1.0.16)
Repeater - XPR 8300 / XPR 8400 Repeater - MTR3000 Repeater - SLR 1000, 5000, SLR 8000	R02.10.00.11_R20.00.02 R02.10.00.11_R20.00.02 R02.10.00.12_R07.00.08
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
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 (DESU-PCR-02.10.01.03-19.iso)
Capacity Max Trunk Controller	cmxtc-pcr-20.10.55.03-00.iso (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 (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) agil, MOTOTRBO 2.10.x 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 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 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.

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
ENG_INFRA_PCR-3285	2.6	SLR 1000, 5000 series and SLR 8000	SLR series repeater now supports Short Link Control Access in CACH, will operate the same as it does in XPR series repeater. C3: 27024050
ENG_INFRA_PCR-3621	2.10	SLR 8000	Can now download reset capture logs from SLR 8000
ENG_INFRA_PCR-2577	2.7	SLR 5000 series	PA program fails after downgrading SLR 5000 series C3: 26857752
PCR_SUB-14010	2.10.5	XPR 7000/7000e XPR 5000/5000e SL 7000/7000e	Capacity Max Site Restriction feature, it did not work as expected when there are duplicate Talkgroup ID within Selected Talkgroup/Priority Scan 1 Talkgroup/Priority Scan 2 Talkgroup.
DMCI-710		Tuner	Internal Reference Oscillator Tuning procedure fails with Error#1089 C3: 27018605