



Motorola Solutions

**MOTOTRBO® 2.X System Release Notes**  
**Professional Commercial Radios (PCR) & Accessories**

Version: R02.50.05v01

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**System Release R02.50.05 (R2.5.2)**

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## Scope

These MOTOTRBO 2.X System Release Notes cover the following MOTOTRBO products:

- DP1000 Series, SL1600, DP2000 Series, DP3441, DP4000 Series, DP4000Ex Series and SL4000 Series Portables
- DM1000 Series, DM2000 Series and DM4000 Series Mobiles
- DR 3000, SLR 5500 and MTR3000 Repeaters
- CPS
- Air Tracer
- Tuner
- Device Discovery and Mobility Service (DDMS)
- MOTOTRBO Network Interface Service (MNIS)
- Multi Channel Device Driver (MCDD)
- RDAC Application
- IMPRES™ Fleet Management Software
- Second generation MOTOTRBO MPT1327 GOB
- MPT1327 GOB CPS

Please refer to the latest MOTOTRBO 1.X System Release Notes for details on the following MOTOTRBO products:

- DP 3000 Series Portables
- DM 3000 Series Mobiles
- First generation MOTOTRBO MPT1327 GOB

## Abbreviations

CPS	Customer Programming Software
CFS	Charge for Software
OTAP	Over The Air Programming
RM	Radio Management
OB	Option Board
RDAC	Repeater Diagnostics and Controls

## What's new in System Release R02.50.04

### 1) **DP4X01 Ex Ma ATEX MOTOTRBO Portables**

- a. Introduction of the DP4401/DP4801 Ex Ma ATEX MOTOTRBO portable radios.
- b. Rating:
  - i. Gas: ATEX: Class II 2G Ex ib, IIC T4 Gb, IECEx: Ex ib IIC T4 Gb
  - ii. Dust: ATEX: Class II 2D Ex ib, IIIC T130°C Db, IECEx: Ex ib IIIC, T130°C Db
  - iii. Mining: ATEX: Class I M1 Ex, ia I Ma, IECEx: Ex ia I Ma

### 2) **CFS noise suppressor for single mic (SINC+)**

- a. The latest and most advanced audio processing technology for improved speech intelligibility in high noise environments
- b. Single Input Noise Cancellation (SINC+) automatically adjusts the transparency of noise suppression as the noise level increases close to threshold and improves audio quality and speech intelligibility.
- c. Provides better noise suppression when combined with the existing noise suppressor.
- d. Offers enhanced noise suppression with a single microphone on the radio that would only be available with a more expensive dual microphone accessory

### 3) **FM to UL Migration (Intrinsically Safe battery mismatch alert)**

- a. Incorrect Battery alert warns radio users if they accidentally attach an FM approved battery to a UL approved radio or vice versa.
- b. The mismatch of battery and radio voids the Intrinsically Safe radio certification.

### 4) **280 characters Text Messages**

- a. MOTOTRBO 2.0 and beyond radios can now be configured via CPS to transmit text messages and job tickets with maximum length of either 140 or 280 characters.
- b. The CPS configuration is only for transmitting, not for receiving. MOTOTRBO 2.0 radios are already capable of receiving text messages with up to 280 characters regardless of CPS settings.

### 5) **Czech Language Support for EA**

- a. Support Czech language for:
  - Radio Prompts
  - Text/Telemetry Messaging
  - Job Ticketing

### 6) **Offline Radio Management via USB Memory Stick**

- a. Support transfer of encrypted radio management jobs on removable media through USB Memory Stick between an online radio management client and an offline radio management device programmer.
- b. Radio Management jobs are read from the removable media by an offline device programmer (i.e., no IP connectivity back to the Radio Management server) and written into the radios

### 7) **Automatic Gain Control (AGC) Enhancement**

- a. The radio's AGC provides improved audio clarity with reduced distortion.

### 8) **Closed (Resolved) Issues:** See Resolved Issues in Product Release section.

## What's new in System Release R02.50.05

- 1) **Closed (Resolved) Issues:** See Resolved Issues in Product Release section.

## Product Versions

Listed below are all MOTOTRBO Product Versions associated with the different R2.5 system releases.

MOTOTRBO Product	Release R02.50.04	Release R02.50.05
DP1400 Portables	R01.01.30	R01.01.30
SL1600 Portables	R01.01.30	R01.01.30
DP2000 Series Portables	R02.50.04	R02.50.05
DP3441 Portables	R02.50.04	R02.50.05
DP4000 Series Portables	R02.50.04	R02.50.05
DP4000Ex Series Portables	R02.50.04	R02.50.05
SL4000 Series Portables	R02.50.04	R02.50.05
DM1000 Series Mobiles	R01.01.30	R01.01.30
DM2000 Series Mobiles	R02.50.04	R02.50.04
DM4000 Series Mobiles	R02.50.04	R02.50.04
DR 3000 Repeaters	R02.40.20	R02.40.20
SLR 5500 Repeaters	R01.02.00	R01.02.00
MTR3000 Repeaters	R02.40.20	R02.40.20
CPS	R12.1 (Build 645)	R12.1 (Build 645)
Air Tracer	R8.0 (Build 28)	R8.0 (Build 28)
Tuner	R12.0 (Build 203)	R12.0 (Build 203)
Device Discovery and Mobility Service (DDMS)	R03.40.5000	R03.40.5000
MOTOTRBO Network Interface Service (MNIS)	R02.41.5000	R02.41.5000
Multi Channel Device Driver (MCDD)	R2.1.3	R2.1.3
RDAC	R6.5 (Build 92)	R6.5 (Build 92)
IMPRES™ Fleet Management Software	R2.0.9	R2.0.9
R2.X MPT1327 GOB	R01.02.03	R01.02.03
MPT1327 GOB CPS	R02.00.03	R02.00.03

## Product Availability

The MOTOTRBO products covered by this document are available either as an orderable DVD or a file which can be downloaded from the MOTOTRBO Resource Centre at Motorola Online.

MOTOTRBO Product	Orderable DVD Part Number	MOTOTRBO Resource Centre Location
Upgrade Package for DP1400 and SL1600 Portables	N/A	R2.X Device Firmware
Upgrade Package for DP2000 Series, DP3441, DP4000 Series and DP4000Ex Series Portables	N/A	R2.X Device Firmware
Upgrade Package for SL4000 Series Portables	N/A	R2.X Device Firmware
Upgrade Package for DM1000 Series Mobiles	N/A	R2.X Device Firmware
Upgrade Package for DM2000 Series Mobiles	N/A	R2.X Device Firmware
Upgrade Package for DM4000 Series Mobiles	N/A	R2.X Device Firmware
Upgrade Package for DR 3000 and MTR3000 Repeaters	N/A	R2.X Device Firmware
Upgrade Package for SLR 5500 Repeater	N/A	R2.X Device Firmware
CPS	GMVN5141_	Programming Software (CPS, Tune, Air, Tracer)
Air Tracer	GMVN5141_	Programming Software (CPS, Tune, Air, Tracer)
Tuner	GMVN5141_	Programming Software (CPS, Tune, Air, Tracer)
Combined installer for MOTOTRBO Network Interface Service (MNIS) and Device Discovery Mobility Service (DDMS).	GMVN5141_	Programming Software (CPS, Tune, Air, Tracer)
Multi Channel Device Driver (MCDD)	GMVN5141_	Programming Software (CPS, Tune, Air, Tracer)
IMPRES™ Fleet Management Software	N/A	Accessories / Software Update / Energy
RDAC	GMVN5520_	N/A
Upgrade Package for the R2.X MPT1327 GOB	N/A	R2.X Device Firmware
MPT1327 GOB CPS	N/A	Programming Software (CPS, Tune, Air, Tracer)

## Important Notes

### Repeater Update Duration

When updating MOTOTRBO repeaters, it's important to ensure that the update process is not interrupted until the "Device Update Successful" message appears on the CPS screen.

### DR 3000 Repeater Hardware Upgrades

A MOTOTRBO RDAC Indicator Repeater Board Service Kit (PMLN5269) is available to upgrade pre-R1.4 VHF / UHF1 DR 3000 repeaters to support the power / fan failure diagnostic alarms.

Note: Any DR 3000 repeater ordered since the launch of R1.4 does NOT require this hardware upgrade.

To determine if a given DR 3000 repeater requires the hardware upgrade then check the S/Tanapa label. DR 3000 repeaters containing one of the following S/Tanapa numbers will require the hardware upgrade (all other DR 3000 repeaters will not):

- PMUE2390AAEAA DR 3000 UHF1 (25-40W)
- PMUE2390AAE DR 3000 UHF1 (25-40W)
- PMUD2091AAEAA DR 3000 VHF (25-45W)
- PMUD2091AAE DR 3000 VHF (25-45W)
- PMUD2092AAEAA DR 3000 VHF (1-25W)
- PMUE3017AAEAA DR 3000 UHF1 (1-25W)

### Repeater Diagnostic and Control Version

RDAC version 1.0 is NOT forwards compatible with DR 3000 repeaters containing firmware version R01.06.11 onwards and MTR3000 repeaters. To ensure compatibility, the minimum requirement is for RDAC version 2.5 to be installed.

If RDAC is used with a Linked Capacity Plus system configuration, then RDAC version 4.0 or later must be used.

### Repeater Knockdown

It is recommended that the Repeater is not in the Repeater Knockdown state while performing a CPS Read or Write operation.

### Legacy PL Falsing

Certain legacy analogue subscribers configured for PL XZ (67 Hz), 183.5 Hz or 199.5 Hz sound "squelch tail" like bursts while DMR digital activity is present on the channel. It is recommended therefore that



these tones be avoided if legacy analogue subscribers are required to operate on channels where DMR digital activity is present.

### Repeater Hardware Compatibility

DR 3000 repeaters containing 32MB of memory and MTR3000 repeaters support all R1.X and R2.X features.

DR 3000 repeaters containing 8MB of memory support most R1.X features. However such repeaters do not support the IP Repeater Programming R1.X feature, Linked Capacity Plus or any of the R2.X features.

Note: Any DR 3000 repeater ordered since the launch of R1.7 contains 32MB of memory.

To determine if a given DR 3000 repeater contains 8MB of memory then check the S/Tanapa label. DR 3000 repeaters containing one of the following S/Tanapa numbers contain 8MB of memory (all other DR 3000 repeaters contain 32MB):

- PMUE2390AAEAA DR 3000 UHF1 (25-40W)
- PMUE2390AAE DR 3000 UHF1 (25-40W)
- PMUE2390BAEAA DR 3000 UHF1 (25-40W)
- PMUD2091AAEAA DR 3000 VHF (25-45W)
- PMUD2091AAE DR 3000 VHF (25-45W)
- PMUD2091BAEAA DR 3000 VHF (25-45W)
- PMUD2092AAEAA DR 3000 VHF (1-25W)
- PMUD2092BAEAA DR 3000 VHF (1-25W)
- PMUE3017AAEAA DR 3000 UHF1 (1-25W)
- PMUE3017BAEAA DR 3000 UHF1 (1-25W)
- PMUE3084AAEAA DR 3000 UHF2 (1-40W)

### DR 3000 Repeater Software Upgrade

DR 3000 repeaters containing firmware versions earlier than R01.02.xx must be upgraded to a firmware version between R01.02.xx and R01.06.xx prior to being upgraded to firmware version R01.07.xx or later.

### Enhanced GPS Configuration

It is strongly encouraged to review section 2.4.3.6 of the MOTOTRBO System Planner for configuration guidelines.

## Control Station GPS Revert Option

For single site and IP Site Connect configurations, the “GPS Revert” option must be set to “Selected” in the control station radio.

## Programming Cables

There is a new programming cable (PMKN4012B) for the DP4000 series radios. Note: PMKN4012B is backwards compatible with the DP 3000 series radios, however PMKN4012A is NOT forwards compatible with the DP4000 series radios.

PMKN4013C is the test & alignment / programming cable for both the DP 3000 series and the DP4000 series radios. Note: PMKN4013A and PMKN4013B are NOT forwards compatible with the DP4000 series radios.

There is also a new “USB-A to USB-B” programming cable (30009477001) and a DB25 test cable (PMKN4166A) for the SLR 5500 repeaters.

## PN, DDMS, MNIS and MCDD Applications

The Device Discovery and Mobility Service (DDMS) application replaces the legacy Presence Notifier (PN) application. Additionally, the DDMS is backwards compatible with the PN such that existing applications that interface with the PN do not require any changes to receive presence notifications from the DDMS.

The Device Discovery and Mobility Service (DDMS), MOTOTRBO Network Interface Service (MNIS) and Multi-Channel Device Driver (MCDD) applications are included on the CPS DVD (GMVN5141\_) and are also available to download from Motorola Online.

The DDMS, MNIS and MCDD applications are not installed automatically from the CPS DVD, instead they need to be manually copied over from the top level DVD folder.

## RSSI Display Value

To make a MOTOTRBO subscriber display its current RSSI value, press the left arrow three times and immediately press the right arrow three times, all within 5 seconds of power up.

## Radio Boot Up, Squelch and Display Operation

Customers are encouraged to upgrade their R2.X radio firmware to at least R02.06.04 in order to improve the reliability of the radio boot up, analogue squelch and display operation.

## R02.06.03 Firmware Upgrade Packages

Do NOT use the R02.06.03 firmware upgrade packages to upgrade radios in the field to firmware version R02.06.03. If you have already done so, read the Important Readme document available on MOL with R02.06.04 firmware upgrade packages.

## R02.06.04 Firmware Upgrade Packages

Do NOT use the R02.06.04 firmware upgrade packages until you have read the Important Readme document available on MOL with these packages.

### Linked Capacity Plus Systems

When at least one repeater in a Linked Capacity Plus system contains firmware R02.20.12 (or later), then all repeaters in that system must be at least R02.20.12. This means that before a repeater containing firmware R02.20.12 (or later) can be added to a Linked Capacity Plus system, any existing repeaters in that system containing pre-R02.20.12 firmware must be upgraded to at least R02.20.12.

Upgrade procedure: Upgrade the Master repeater first then all Peer repeaters at the Master site and finally all Peer repeaters at the other sites.

### Capacity Plus Systems

For system release R02.02.20 (repeater FW: R02.20.12 / radio FW: R02.06.12), the CPS allows Capacity Plus Channel IDs 1-16 to be defined. However, since the maximum number of Trunking repeaters per Capacity Plus system for this release is still 6 then Channel IDs 13/14 and 15/16 should not be configured.

For repeater firmware R02.30.01 (or later) the Rest/Site IP address must be configured for Capacity Plus systems. Ensure a common Rest/Site IP address is configured for all repeaters in the system.

When at least one repeater in a Capacity Plus system contains firmware R02.30.01 (or later), then all repeaters in that system must be at least R02.30.01. This means that before a repeater containing firmware R02.30.01 (or later) can be added to a Capacity Plus system, any existing repeaters in that system containing pre-R02.30.01 firmware must be upgraded to at least R02.30.01.

Upgrade procedure: Upgrade the Master repeater first then all Peer repeaters. During the upgrade radios will remain on the non-upgraded repeaters until the last Peer repeater is upgraded whereupon the radios will then switch to the upgraded repeaters.

### Battery Indicator

Any DP2000 Series, DP4000 Series or DP4000Ex Series Portables that were upgraded in the field to release R02.06.20 should be upgraded to at least R02.06.21 in order to resolve an issue whereby the radio battery gauge shows a very low reading (or empty) when a fully charged IMPRES battery is attached.

### Transmit / Receive Below 422MHz

Any DP2000 Series, DP3441 Series or DP4000 Series UHF portable radios that were upgraded in the field to R02.06.20 or R02.06.21 should be upgraded to at least R02.06.33 in order to resolve an issue whereby the radio may not transmit or receive consistently if operating below 422MHz.

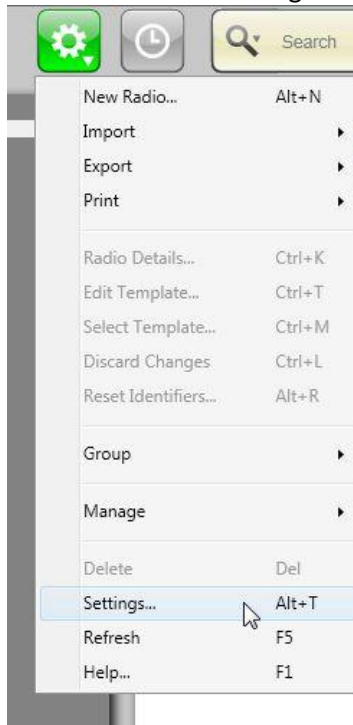
## Operation with Bluetooth Accessories

Any SL4000 Series radios that were upgraded in the field to R02.06.20 should be upgraded to at least R02.06.33 in order to resolve an issue whereby they may fail to operate consistently when used in conjunction with Bluetooth accessories.

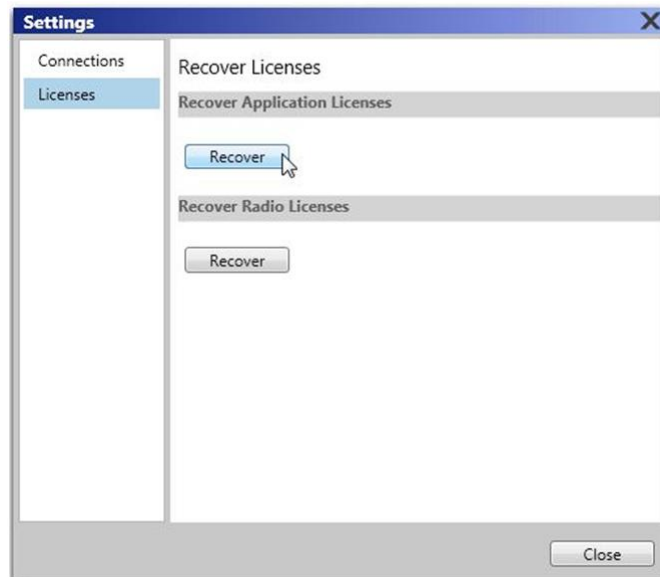
## Radio Management R1.2

After upgrading the RM Server to R1.2 the existing RM licenses need to be recovered as follows:

1. Click on Actions > Settings



2. Click on the Licenses tab and click on Recover Application Licenses



## CfS Database Migration

The Motorola CfS database migrated to a new server during December 2013 and so any CfS licenses purchased since this date will require CPS version R10.0 (Build 510) or later to be installed for feature registration and activation.

## CSBK Data

For system release R2.3 (repeater FW: R02.30.02 / radio FW: R02.30.01), CSBK Data is NOT supported if the system contains a Single Site / IP Site Connect repeater configured with the Enhanced GPS option enabled on one slot and disabled on the other slot. This is due to a known issue (see CCMPD01838363 below) which is targeted to be resolved in the next system release.

## Digital Voting Systems

Satellite Receivers in Digital Voting systems employing NAI (Network Application Interface) voice and data applications do NOT require NAI Licenses.

Satellite Receivers in Digital Voting Systems employing DTP (Digital Telephone Patch) do NOT require DTP licenses (note: DTP licenses are required only by Gateway repeaters which connect to a Phone Gateway device).

For repeater firmware R02.30.12 (or later), Satellite Receivers in Capacity Plus / Linked Capacity Plus systems employing Digital Voting do NOT require Capacity Plus / Linked Capacity Plus licenses.

## Enhanced Codeplug Password Protection

Firmware R01.00.10 / R02.30.10 (System Release R02.03.10) introduces a “Read/Write” codeplug password protection option which is unintended for our region. It is highly recommended therefore that this option is NOT selected for the following reasons:

- (a) If this option is selected and the password is subsequently lost then the radio shall have to be returned to the Motorola repair centre for recovery.
- (b) Support for this option shall be removed in a future system release.

Use of the “Read Only” codeplug password protection option remains unaffected and still allows radios to be recovered to a default state using the “device recover” function within the CPS.

## Upgrading Radios Systems Running Applications

To avoid unforeseen issues resulting from upgrading deployed radio systems running Applications, we recommend that you check first with your Application provider to ensure that the version of Application you are running is fully compatible with the new version of radio system.

## AES Interoperability

The Advanced Encryption Standard (AES) implementation introduced as part of system release R2.4 does NOT interoperate with the pre-R2.4 MOTOTRBO AES implementation. As such, all radios in an existing fleet with the pre-R2.4 AES implementation enabled must be upgraded to at least system release R2.4 before deploying any radios into that fleet with the new R2.4 AES implementation enabled.

## CPS DVD Tuner Installer

Revision AH of the CPS DVD (Part Number: GMVN5141AH) contains an issue with the Tuner installer whereby the user may be requested to download and install “.net framework 4.5.1” separately. This only happens if the Tuner is installed from the CPS DVD and there is no CPS installed on the PC prior to the Tuner installation. To avoid this problem either install the CPS on the PC prior to installing the Tuner or download and install the Tuner which is available from the Motorola Online Resource Centre.

## MPT1327 GOB Upgrade Package

The upgrade packages for the R1.X and R2.X MPT1327 GOBs cannot be installed together on the same computer. So if the upgrade package for the R1.X MPT1327 GOB is already installed then this will have to be un-installed before the upgrade package for the R2.X MPT1327 GOB can be installed.

Also, when running the upgrade package for the R2.X MPT1327 GOB on a Windows 7 computer, the upgrade package must be “Run as administrator”.

## MPT1327 / Connect Plus Options

The radio models listed below can be ordered with factory fitted MPT1327 / Connect Plus option boards.

(NOTE: the generic option board can NOT be field upgraded to support MPT1327)

Description	Model Number	MPT1327 Option	Connect Plus Option
DP4801 VHF	MDH56JDN9KA1AN	QA04310AA	QA04204AA
DP4800 VHF	MDH56JDN9JA1AN	-	QA04205AA
DP4801 UHF	MDH56RDN9KA1AN	QA04312AA	QA04206AA
DP4800 UHF	MDH56RDN9JA1AN	-	QA04207AA
DP4401 VHF	MDH56JDC9KA1AN	QA04314AA	QA04291AA
DP4400 VHF	MDH56JDC9JA1AN	-	QA04293AA
DP4401 UHF	MDH56RDC9KA1AN	QA04315AA	QA04295AA
DP4400 UHF	MDH56RDC9JA1AN	-	QA04297AA
DP4801 Ex UHF	MDH56QCN9PA3AN	QA04316AA	QA04261AA
DP4801 Ex VHF	MDH56JCN9PA3AN	QA04317AA	QA04263AA
DM4400 UHF LP	MDM28QNC9JA2AN	-	GA01131AA
DM4401 UHF LP	MDM28QNC9KA2AN	-	GA01133AA
DM4600 UHF LP	MDM28QNN9JA2AN	-	GA01135AA
DM4601 UHF LP	MDM28QNN9KA2AN	-	GA01137AA
DM4400 UHF HP	MDM28QPC9JA2AN	-	GA01139AA
DM4401 UHF HP	MDM28QPC9KA2AN	-	GA01141AA
DM4600 UHF HP	MDM28QPN9JA2AN	-	GA01143AA
DM4601 UHF HP	MDM28QPN9KA2AN	-	GA01145AA
DM4400 VHF LP	MDM28JNC9JA2AN	-	GA01155AA
DM4401 VHF LP	MDM28JNC9KA2AN	-	GA01157AA
DM4600 VHF LP	MDM28JNN9JA2AN	-	GA01159AA
DM4601 VHF LP	MDM28JNN9KA2AN	-	GA01160AA
DM4400 VHF HP	MDM28JQC9JA2AN	-	GA01162AA
DM4401 VHF HP	MDM28JQC9KA2AN	-	GA01164AA
DM4600 VHF HP	MDM28JQN9JA2AN	-	GA01166AA
DM4601 VHF HP	MDM28JQN9KA2AN	-	GA01168AA

## **MPT1327 / Connect Plus GOB Firmware Compatibility**

Where a radio contains an MPT1327 / Connect Plus GOB it's important to adhere to the following simple rules in order to ensure full compatibility between the MPT1327 / Connect Plus GOB firmware and the radio firmware:

1. On installing an MPT1327 / Connect Plus GOB, ensure that both the GOB and the radio contain the latest available firmware versions.
2. On upgrading a radio to the latest available firmware version, ensure that the GOB also contains the latest available firmware version.
3. On upgrading a GOB to the latest available firmware version, ensure that the radio also contains the latest available firmware version.

### **Firmware Version R02.50.04**

Do NOT use the R02.50.04 firmware upgrade packages to upgrade radios in the field to firmware version R02.50.04. If you have already done so, or if you have received radios from Motorola containing firmware version R02.50.04, then use the latest available upgrade packages to upgrade radios containing firmware version R02.50.04 to at least firmware version R02.50.05.

## Open (Unresolved) Issues

Open (Unresolved) issues are all known or reported issues that still exist in this current software release and may occur under certain circumstances. The risk and workaround aspects are included in the release note description for overall assessment of a problem.

**Issue Number:** CCMPD02038162

**Product Version:** DM2000 VHF

**Description:** When user upgrades radio, it will pop up an error message showing that the radio is unable to auto reset when it reach ~90% of upgrading process. The radio will be stuck in Program Mode. The issue will only be seen if the radio has been flashed from the factory with firmware R02.40.11, R02.40.20 or R02.50.04.

**Recovery Method:** Manually power cycle the radio and verify that the firmware has been upgraded.

**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.

SR#	Version Found	Description
CCMPD02029213		MOTOTRBO Tuner 11.5. Fails to read tuning codeplug from Station Control Module (SCM) if the PA values are not initialized
CCMPD02039975	R02.02.00	SL4000 dequeys after 10 seconds when battery reaches the 50% level
CCMPD02026374	R02.40.00	MOTOTRBO OTAP fails with CPS 11.5 / RM V1.1 when using R2.3 Archive files on radio management.
CCMPD02011120	R02.00.00	SL4000 occasionally misses group text messages.
CCMPD02006180	R02.00.00	Telemetry - Query Status Response provides wrong
CCMPD02008234	R02.00.00	DM4601 - Mic Gain Settings -Digital REAR mic gain setting in CPS adjusts the front microphone
CCMPD02021034	R02.40.10	DP4801 - Analog Howling issue
CCMPD02032635	R01.00.00	DM1000 - Loss of RX in scan mode
CCMPD02025435	R02.00.00	DM1000 will step on adjacent channel that is 10Mhz difference
CCMPD02024718	R02.30.10	OB TX Audio data becomes garbled when TX with Scan enabled
CCMPD02002190	R02.30.20	DP2000 - radio stays on landed scan unqualified priority channel for extended time
CCMPD02018146	R01.00.00	DP4000 - Analog channel scanning issue
CCMPD02024719	R01.01.30	DM1000 -Loss of RX in scan mode
CCMPD02004076	R02.40.00	MTR3000 Voter always shows "Poor" SQE in RDAC log when collocated with other satellite receivers. (C3 Case 24397389)
CCMPD02026149	R02.30.02	Radio gets channel busy tone when immediately PTT after hang time on control channel or voice repeater slot 2. (C3 Case 24344448)
CCMPD02018900	R02.40.00	After installing MTR2000 MOTOTRBO Digital Upgrade Kit on base station/repeater powered from 12V, MTR3000 may exhibit false PA Low Voltage alarm.
CCMPD02006581	R02.40.00	RDAC reading incorrect signal strength RSSI when IF filter set to "Narrow." (C3 Case 24405010)
CCMPD02009509	R1.01.03	UHF SLR5500 Repeater cannot be read via CPS unless repeater is rebooted. (C3 Case 24432816)

CCMPD02012494	R1.01.03	SLR5500 Repeater has incorrect FM Deviation in Dynamic Mixed Mode (C3 Case 24444611 and 24442086)
75264	CPS 12.0	Upon writing to a Subscriber containing R2.4A / 2.4B firmware, the Subscriber Unit will no longer be able to PTT.
	R02.50.04	Radios may intermittently be unable to access the channel if operating through a repeater in digital mode.