



MOTOTRBO™ System Release Notes
Professional Commercial Radios (PCR)

Version: M2025.02.02
August 20, 2025

Contents

[What's new in the Release](#)

[Product versions](#)

[Overview](#)

[Definitions](#)

[Known issues in product release](#)

[Resolved issues in product release](#)

[Cybersecurity](#)

[New Upgrade Package Zip Format](#)

What’s new in the Release

RM/CPS new features

There are no new CPS/RM features introduced with this release.
The M2025.02.02 release addresses several issues impacting CPS/RM.
See “Resolved Issues in Product Release” section.

Radio new features

MOTOTRBO Ion radio power up image update

Power up image updated to reflect Solving for Safer branding.

Old power up Image:



New power up Image:



Region	Model
NA	MOTOTRBO Ion

Feature name change from “Man Down” to “Fall Alert” for more languages in MOTOTRBO Ion radios

The “Man Down” feature was previously renamed as “Fall Alert” in English and the change is now implemented for other languages used in MOTOTRBO Ion radios. This is consistent with our documentation and RM/CPS.

Region	Model
NA	MOTOTRBO Ion

Infrastructure/System new features

There are no new Infrastructure/System features introduced with this release.
The M2025.02.02 release addresses an issue impacting SLR8000 repeaters.
See the “Resolved Issues in Product Release” section.

Product Versions

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

Notes: From M2020.01 onwards, only products (i.e. MOTOTRBO radios, repeaters and CMSS) which are either in warranty or under a service contract are entitled to software update.

Software Update Management (SUM) was introduced with the R2.10 system release and provides products with built-in intelligence to determine if they are eligible to accept a software update. Products on prior releases must therefore be upgraded to an R2.10 system release and be eligible to accept a software update before they can be upgraded to M2020.01 onwards.

Canceled products that are still under a service contract at time of cancellation will be entitled to the software update in line with the Motorola Solutions Software Support Policy. Following cancellation only critical bug fixes will be tested for these products.

MOTOTRBO Product	Version Supported in Release
Subscriber – MOTOTRBO 2.0, 2.5 (incl SL Series) - XPR 7000e Series, XPR 5000e Series, XPR 3000e Series, SL 7000e Series, XPR 2500, SL3500e, MOTOTRBO R7, MOTOTRBO R5, MOTOTRBO R2 Subscriber – MOTOTRBO - Commercial Devices Subscriber – MOTOTRBO - XPR 4000/6000 Series Subscriber – MOTOTRBO - Ion	R02.25.02.1002 R01.25.02.0000 Canceled. R03.30.00 / R02.25.02.2000 (NEW)
Option Board – MOTOTRBO 2.0 (incl SL Series) - Paradise Option Board – MOTOTRBO - Matrix	Canceled. Canceled.
Repeater - Repeater - XPR 8380 / XPR 8400 Repeater - MTR 3000 Repeater - SLR 1000, SLR 5000 Repeater - SLR 8000	R20.24.01.03 R20.24.01.03 R20.25.01.11 R20.25.01.13 (NEW)
XRC 9000 / 9100 Controller	Canceled
XRT 9000 / 9100 Gateway	Canceled
XRI 9100 Interconnect	Canceled
Network Manager (merged with XRC / XRI packages)	Canceled
Network Manager Connection Tool	Canceled
XRT Configuration Tool	Canceled
CPCPS	Canceled.
Paradise MPT1327 GOB CPS (not supported on Rajang series)	R02.00.05
CPS 2.0	2.155.262.0 (NEW)
CPS 2.0 Lite	2.155.258.0

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Radio Management	2.155.262.0 (NEW)
RadioCentral Client	2.155.258.0
CPS	CPS V16.0 Build 828
Tuner	V25.2 Build 9
RDAC	V25.2 Build 5
AirTracer	V25.2 Build 3
Device Discovery and Mobility Service (DDMS)	R25.01.0003
Multi Channel Device Driver (MCDD)	Canceled
MNIS Data Gateway	R25.01.0018
MNIS Status Agent	R22.03.01
MOTOTRBO Motopatch	Canceled
Capacity Max ESU Launchpad	DESU_LP-R17.18.10.56-02.rhel.iso
Capacity Max System Server Installer Software Image	CMSS-M2025.01.00-release-25.01.03.1735920 173-b280dab.iso
MNIS Voice and Radio Command (VRC) Gateway	PCR-MNIS_25.01.00.00-14
Capacity Max ESU	ESU-PCR_25.01.28.00-66

3rd Party Applications	Version Supported in Release
GW3-TRBO	2.17.3.73
Avtec VP Gate	5.8.0.4
Avtec Scout Console/Scout Manager	5.8.0.4
Avtec VPGate Advanced Radio Support w/Encryption	5.8.0.2
Avtec Data Management Services - Scout Central Distributor	5.8.0.21
SmartPTT PLUS	SmartPTT-PLUS-9.14.100.512
TRBOnet PLUS	TRBOnet.Plus_6.2.3.7500
ConSEL PLUS	ConSEL PLUS v7r102

3rd Party Network Equipment	Version Supported in Release
Juniper JUNOS for EX2300 switches	21.4R3-S3.4
Juniper JUNOS for SRX3xx routers	21.4R3-S3.4
Juniper JUNOS for SRX1500 routers	21.4R3-S4.9
HPE ArubaOS for Aruba-6000 switches	CX.6000.10.13.1000
HPE OS for MSR2003X routers	MSR2000X_9.10.E9141L11
HPE OS for MSR30x6 routers	MSR30X6_7.10.R6728P27

ETSI DMR Specification	Version Supported in Release
TS 102 361-1: the DMR air interface protocol	v2.6.1
TS 102 361-2: the DMR voice and generic services and facilities	v2.5.1

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TS 102 361-3: the DMR data protocol	v1.3.1
TS 102 361-4: the DMR trunking protocol	v1.7.1 ~ 1.12.1

1. The feature sets supported in the release are compliant 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),
 - i. Order (1) T8911A, MOTOTRBO M2023.01 Capacity Max System Server SW Upgrade on USB flash drive.
 - ii. Alternatively, for customers with access to the Motorola Solutions self-service portal - Customer Hub or Partner Hub, you can order (1) T8912A, MOTOTRBO M2023.01 Capacity Max System Server SW Upgrade as software iso image where you will receive an e-mail with a unique link to access/download the iso file from the Customer Hub or Partner Hub portal. The T8912A will require an e-mail address at the time of order.
 - iii. NOTICE: The USB drive (T8911A) can take 2-3 weeks for delivery while the downloadable file via the Customer Hub or Partner Hub portal (T8912A) 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,
 - i. Order (1) T8486A, MOTOTRBO Capacity Max System Server SW Update Launch Pad which contains the ESU LP software files on a DVD. (The M2023.01 upgrade requires this new ESU LP version).
 - ii. Alternatively, for customers with access to the Motorola Solutions self-service portal - Customer Hub or Partner Hub, you can order (1) T8483B, 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 Customer Hub or Partner Hub portal. The T8483B will require an e-mail address at time of order.
 - iii. Please refer to the section "Capacity Max System Upgrade from M2022.01 or M2022.03 to M2023.01" of Capacity Max System Release Upgrade Guide for additional details. It is available in the Motorola Solutions Documentation Portal and the Upgrade Guide applies for the patch upgrade as well.
 - iv. NOTICE: The DVD (T8486A) can take 2-3 weeks for delivery while the downloadable file via the Customer Hub or Partner Hub portal (T8483B) is generally available within a week. Please plan ahead and take the delivery times into consideration before scheduling your upgrade
 - v. 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.

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

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.

Known Issues in Product Release

Device Impact

Issue Number:	DEVPCRMAC-186
System/Product:	MOTOTRBO Ion
Description:	When the radio is being charged, the top display battery level indicator should be referred to instead of the front display for better accuracy of the charge level
Workarounds:	N/A
Issue Number:	PCR_SUB-33284
System/Product:	MOTOTRBO Ion
Description:	When LMR has privacy configured, over the air LMR RF transmission of calls is not encrypted when the user is talking on the broadband network.
Workarounds:	N/A
Issue Number:	PCR_SUB-33770 / PCR_SUB-34610
System/Product:	MOTOTRBO Ion
Description:	When a radio user in broadband mode tries to initiate a private call or an Instant Personal Alert (IPA) via contact list to a target radio that is offline, the presence status of the target radio will still appear as online on the radio contact list.
Workarounds:	N/A

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Page 7

Issue Number:	PCR_SUB-34686
System/Product:	MOTOTRBO Ion
Description:	In an emergency interop scenario, the emergency alarm initiated from the radio in a converged broadband or broadband channel can only be canceled by the emergency originator itself or a WAVE PTX authorized user (e.g. WAVE PTX dispatcher assigned as authorized user). Emergency cancel triggered by TRBOnet PLUS console will not be able to cancel the emergency.
Workarounds:	N/A
Issue Number:	PCR_SUB-34871/PCR_SUB-34237
System/Product:	MOTOTRBO Ion
Description:	When a radio is powered off in Broadband mode (either in WAVE PTX channel or converged broadband channel), the presence status of the radio will still appear as online on TRBOnet PLUS console. If a private call is initiated to the power off unit, the private call will be successful
Workarounds:	N/A
Issue Number:	PCR_SUB-35488
System/Product:	MOTOTRBO Ion
Description:	When a radio in broadband mode is in an emergency state and the user performs a mode change from the broadband channel to an LMR channel (either an LMR channel or a converged LMR channel), it will receive an emergency alarm from its own radio
Workarounds:	Dismiss the emergency alarm from notification screen
Issue Number:	MAUIAP-41662
System/Product:	MOTOTRBO Ion
Description:	Audio on Bluetooth accessories will be muted when video recording is turned on
Workarounds:	Turn off Bluetooth on the device if video recording is initiated to route the incoming audio to the device internal speaker

Infrastructure Impact

Issue Number:	UEM-7642
System/Products:	CMSS/System Advisor
Description:	Calls are displayed with delay on Grid View opened in the System Advisor client.
Workaround:	Use a web browser to display Grid View.
Issue Number:	UEM-7788
System/Products:	CMSS/System Advisor
Description:	After the first successful network configuration of CMSS from Radio Management, a subsequent network configuration job may fail if attempted shortly afterwards.

Workaround:	Wait 20 minutes between CMSS network configuration changes.
Issue Number:	UEM-7801
System/Products:	CMSS/System Advisor
Description:	In System Advisor, the Data Gateway (MNIS) and CMSS internal components such as the Trunking Controller (TC), the Capacity Max Bridge (CMB) as well the Voice and Radio Command Gateway (VRC) may display a critical alarm indicating they need discovery or may display with an incorrect Site ID. This is caused by an unwanted interaction between the affected components' IP addressing.
Workaround:	For MNIS, change the IP address for the PC which is hosting the MNIS application. For other CMSS components, please contact Motorola Solutions technical support to troubleshoot towards identifying the affected components and their addresses.
Issue Number:	ENG_INFRA_PCR-22344
System/Products:	SLR1000, SLR5000, SLR8000 repeaters
Description:	When the repeater reboots an additional reset may be enforced which may slightly extend the reboot time.
Workaround:	No workaround is required. This is a very rare issue and the repeater automatically recovers within 20 seconds.
Issue Number:	ENG_INFRA_PCR-22295
System/Products:	SLR1000, SLR5000, SLR8000 repeaters/Capacity Plus (single- or multi-site)
Description:	When the repeater boots up and the DHCP server is unreachable for 12 minutes (or longer) such repeater will not be connected to the system.
Workaround:	Reset repeater to re-initiate obtaining an IP address.

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. Following are the issue tracking number and issue descriptions that have been resolved in this release.

Device Impact

Issue Number:	MAUIAP-48942
System/Product:	MOTOTRBO Ion
Description:	Pick up 2025-06-01 Android Security Patch Level.
Issue Number:	PCR_SUB-34462
System/Product:	MOTOTRBO Ion
Description:	If an interop group call is initiated from a MOTOTRBO Ion radio in LMR and there is no MOTOTRBO Ion radio participant in the Broadband

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mode, the MOTOTRBO Ion radio that moves from LMR to Broadband mode will not be able to join the ongoing interop group call as late entry.

Issue Number: **MAUIAP-32385**
System/Product: MOTOTRBO Ion
Description: When the radio is using the WPA3 hotspot setting, MOTOTRBO R7 is unable to connect to the hotspot.

Issue Number: **PCR_SUB-47178**
System/Product: MOTOTRBO Ion
Description: The Ion radio is stuck in the "In call..." state even after the terminator has ended the call when using broadband mode. (e.g. WAVE PTX)

Infrastructure Impact

Issue Number: **INC0002291932**
System/Product: SLR 8000 repeaters
Description: An SLR8000 repeater powered from AC only or DC only might not boot into normal operation after a momentary loss of AC or DC power lasting less than approximately 10 seconds. In this situation, the repeater will attempt to reboot three times before the unit becomes locked. This will also be accompanied by the Repeater Diagnostics and Control application (RDAC) log messages.
For further details, please refer to [MTN-0094-25](#)

CPS/RM Impact

Issue Number: **RFC_PCR-329 / PRB0000051940**
System/Product: Radio Management
Description: Radio Management installation or upgrade cannot be completed on machines that were built on non-English Windows OS.

Cybersecurity

Motorola Solutions, Inc. has delivered a PCR MOTOTRBO 2025.02 release. MSI development and operations teams continually make security updates as needed based on evaluated threats, determine protective measures, create response capabilities, and promote compliance. MSI interacts with and participates in several US and international security organizations, such as U.S. Department of Homeland Security's National Cybersecurity & Communications Integration Center (NCCIC), National Institute of Standards and Technology (NIST), The 3rd Generation Partnership Project (3GPP), Telecommunications Industry Association (TIA), European Telecommunications Standards Institute (ETSI), Digital Mobile Radio (DMR) Security standardization, and others. Standards from the aforementioned organizations can map to security controls in international standards such as Information System Standards (ISO / IEC 27001).

The PCR MOTOTRBO 2025.02 system release includes enhancements to security based on the National Vulnerability Database and industry standards:

- Ongoing vulnerability management remediation based on network scanning security tools
- Ongoing Software Lifecycle Management improvements (3rd party software)

In addition to ongoing releases for security updates, Motorola Solutions has a Bug Submission Program for external entities to disclose to Motorola Solutions possible security vulnerabilities or issues. Motorola Solutions encourages researchers to use the PGP key when sending sensitive information via email. Please send all security vulnerability reports to security@motorolasolutions.com.

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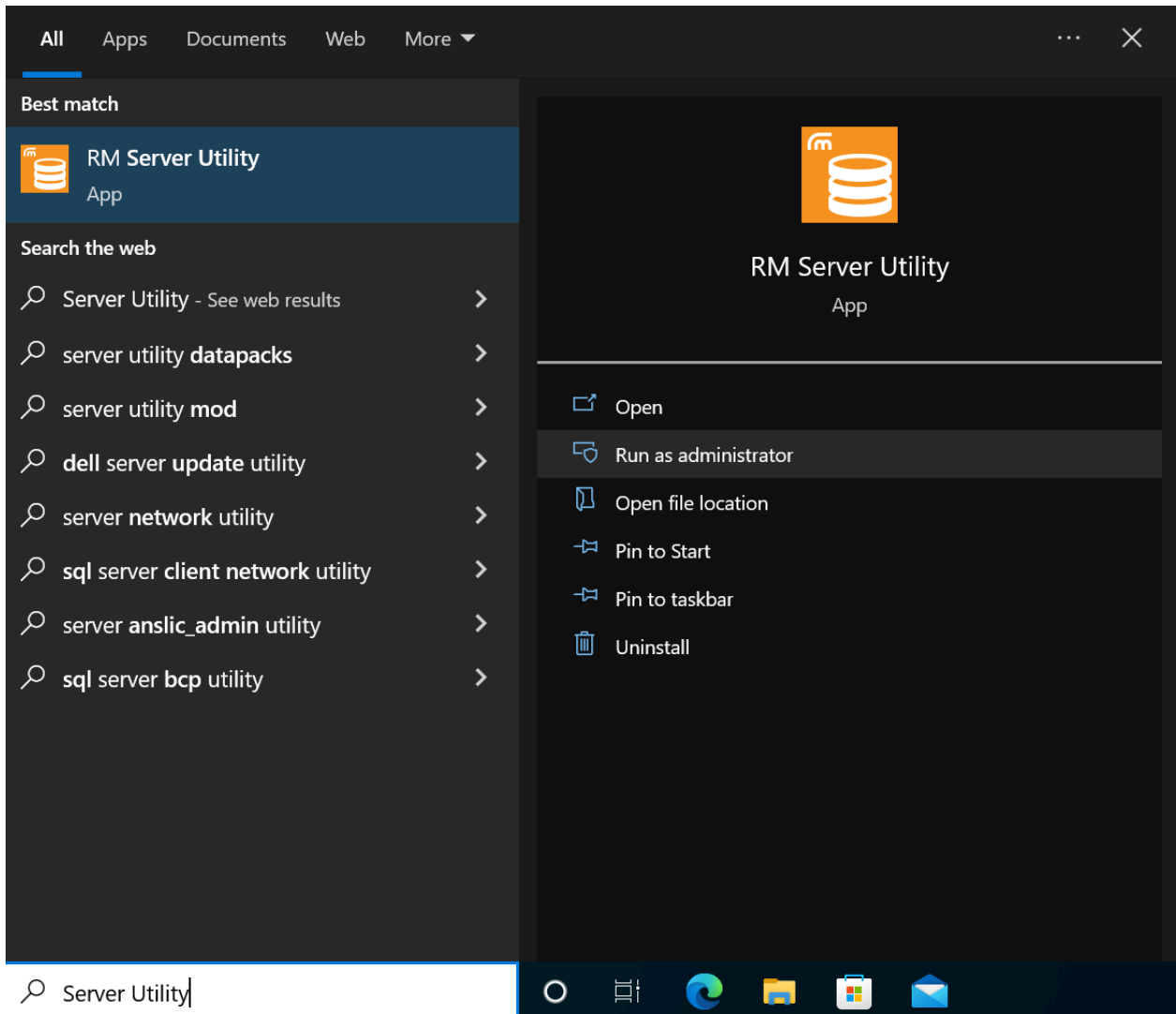
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RM Access Control Feature Note

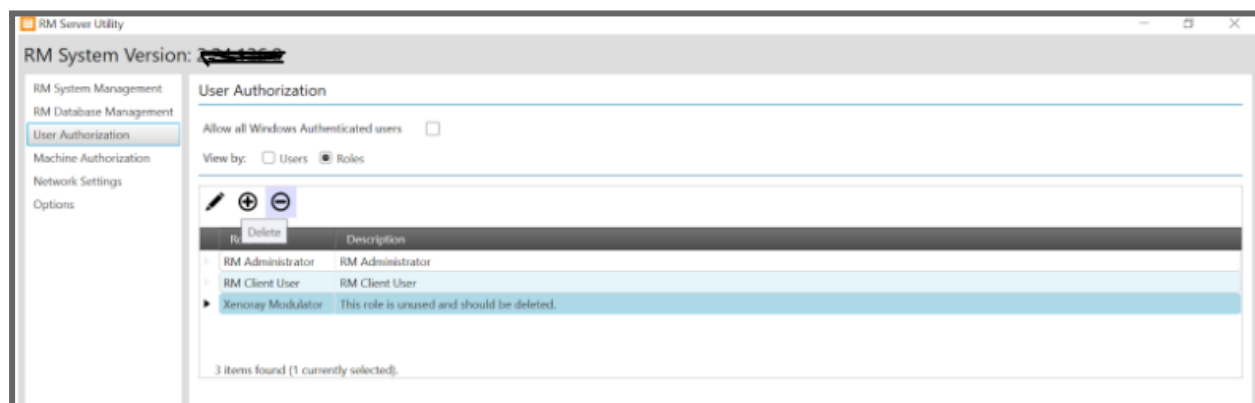
Important note for customers who DO NOT need to use RM Access Control:

After upgrading an existing RM deployment to version 2.134.77.0 or later, there are some necessary steps to take to ensure normal operation, otherwise, users may not have access to the security keys and Radio View operations that they had prior to the upgrade.

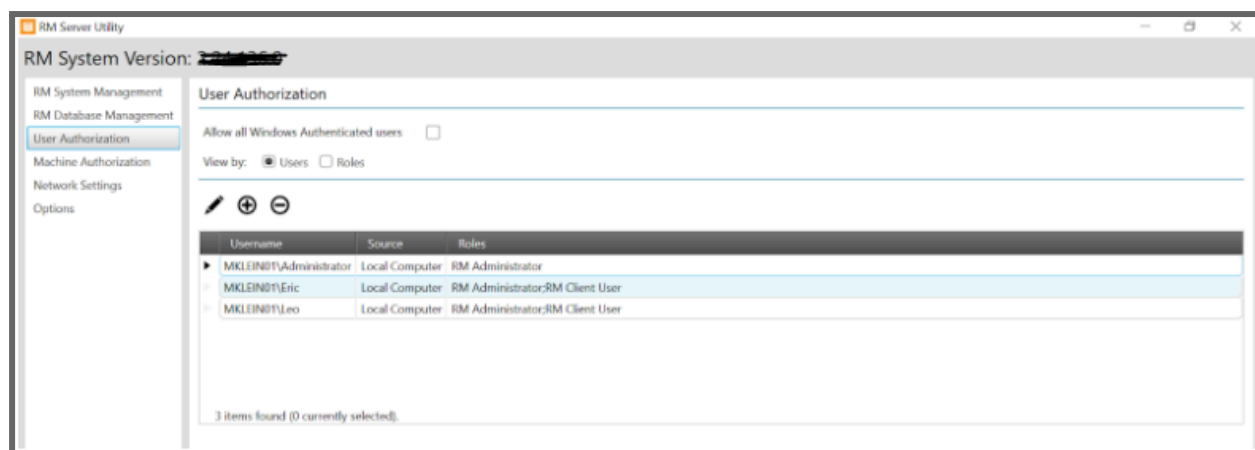
1. After performing the upgrade the user should open the RM Server Utility App on the machine that hosts the RM Server.



- From the User Authorization tab, with the Roles radio button selected, delete any unnecessary roles that may have been created prior to the upgrade, leaving only the RM Administrator and RM Client User roles.



- For users that do not wish to use the Access Control features at this time, select the Users radio button and ensure that each user that will be accessing RM remotely has both RM Administrator and RM Client User roles assigned to them.

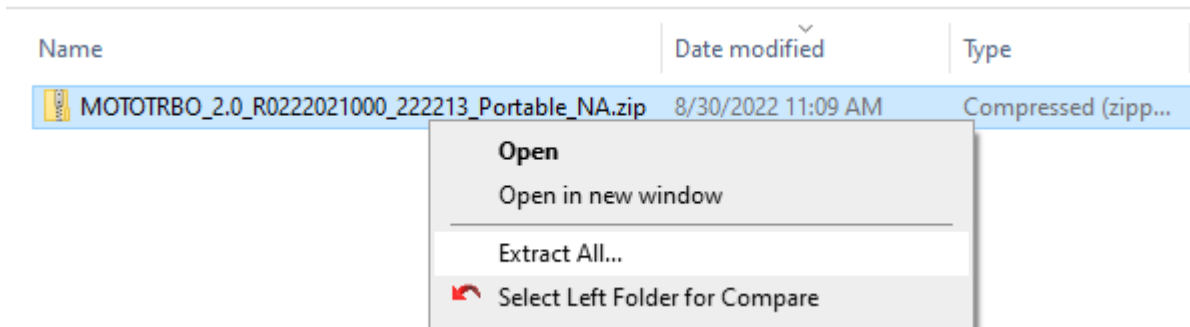


- This completes the necessary steps for users that do not wish to use the Access Control features. The RM Server Utility can be closed at this point. Users should be able to use the RM Configuration Client to connect to the RM Server and perform normal operations.

New Upgrade Package Zip Format

Starting from M2022.03, MSI will start to release the MOTOTRBO firmware upgrade package in zip format. Below are the instructions on how to install the firmware upgrade package.

1. Create a new folder of your choice in the C:\drive. We will use "Packages" as an example.
2. Download zip file to C:\Packages
3. Extract All



4. Open Folder

Name	Date modified	Type	Size
MOTOTRBO_2.0_R0222021000_222213_Portable_NA.zip	8/30/2022 11:09 AM	Compressed (zipp...	58,252 KB
MOTOTRBO_2.0_R0222021000_222213_Portable_NA	10/11/2022 1:45 PM	File folder	

5. Run the .exe file

program files	10/11/2022 1:45 PM	File folder	
0x0409.ini	10/1/2014 11:41 AM	Configuration sett...	22 KB
MOTOTRBO 2.0 R0222021000_222213 Portable Update Packages.msi	8/30/2022 11:09 AM	Windows Installer ...	663 KB
MOTOTRBO_2.0_R0222021000_222213_Portable_NA.exe	8/30/2022 11:09 AM	Application	1,269 KB
Setup.ini	8/30/2022 11:09 AM	Configuration sett...	6 KB

6. To save space, the folder can be deleted after successful installation