



MOTOROLA SOLUTIONS

MOTOTRBO™ System Release Notes
Professional Commercial Radios (PCR)

Version: M2025.02

July 2, 2025

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What's new in the Release

RM/CPS new features

A New Design of The Application Installer

- “Components”, “Features” and “Installation” tabs refreshed and optimized, to provide a clearer and more intuitive configuration,
- New tab “System Info” introduced, to ensure optimal application performance and compatibility,
- New tab “Summary” introduced for pre-installation overview, to enhance user control over the installation process and reduce the risk of unexpected results

TCP Control Interface – Improved Communication Between RM and MNIS (MOTOTRBO Network Interface Service)

Radio Management enables communication with MNIS with the following methods:

- TCP Control Interface [NEW]
- Network Tunnel Interface

TCP Control Interface allows Device Programmer and MNIS on separate computers. It enhances system flexibility and efficiency with new communication method, enabling RM Device Programmer to seamlessly connect with MNIS on the EdgeNode.

Radio new features

SMA Reminder for MOTOTRBO R2 radios

Enable MOTOTRBO devices with a Software Management Agreement (SMA) expiration reminder so that end users can contact a partner/dealer for service renewal.

Region	Since M2023.01	Added in M2025.02
NA	MOTOTRBO R7, XPR 7000e series, XPR 7000e IS series, XPR 5000e series, XPR 3000e series	MOTOTRBO R5, MOTOTRBO R2

Radio & Battery Notifications

Radio and Battery service notifications can now be enabled/disabled via the RM/CPS programming tools.

Region	Model
NA	MOTOTRBO R7, MOTOTRBO R5, XPR 7000e series, XPR 7000e IS series, XPR 5000e series, XPR 3000e series

MOTOTRBO WAVE PTX Backup PTT Client for MOTOTRBO R7

MOTOTRBO WAVE PTX Backup PTT subscription has now been extended to MOTOTRBO R7.

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Region	Since R2.10	Added in M2025.02
NA	XPR 7000e series, XPR 5000e series, SL 7000e series	MOTOTRBO R7

Wi-Fi data routing to Option Board

MOTOTRBO devices that support Wi-Fi and Option Board can now route the Wi-Fi data traffic to the Option Board via a dedicated UDP port. Option Board applications can send/receive data messages to/from the third party application server via the Wi-Fi Network.

Region	Model
NA	MOTOTRBO R7, XPR 7000e series, XPR 5000e series

WP300 Wireless Bluetooth Control Pod

MOTOTRBO R7 & MOTOTRBO R5 are now compatible with PMLN8298 bluetooth control pod with firmware version R02.00.01 or newer and when combined with selected earpieces it acts as a wireless audio push to talk communication accessory.

Region	Model
NA	MOTOTRBO R7, MOTOTRBO R5

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 (NEW) R01.25.02.0000 (NEW) Canceled. R03.20.00 / R02.24.01.4000
Option Board – MOTOTRBO 2.0 (incl SL Series) - Paradise Option Board – MOTOTRBO - XPR 4000/6000 Series	Canceled. Canceled.
Repeater - XPR 8380 / XPR 8400 Repeater - MTR 3000 Repeater - SLR 1000, SLR 5000, SLR 8000	R20.24.01.03 R20.24.01.03 R20.25.01.11
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
CPCPS	Canceled.
Paradise MPT1327 GOB CPS (not supported on Rajang series)	R02.00.05
CPS 2.0	2.155.258.0 (NEW)
CPS 2.0 Lite	2.155.258.0 (NEW)
Radio Management	2.155.258.0 (NEW)
RadioCentral Client	2.155.258.0 (NEW)
CPS	CPS V16.0 Build 828
Tuner	V25.2 Build 9 (NEW)
RDAC	V25.2 Build 5 (NEW)
AirTracer	V25.2 Build 3 (NEW)
Device Discovery and Mobility Service (DDMS)	R25.01.0003
Multi Channel Device Driver (MCDD)	Canceled

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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
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 MSI MyView portal, 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 MyView 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 MyView 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 MSI MyView portal, 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 MyView 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 MyView 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.

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:	DMPCR-14282
System/Product:	MOTOTRBO R5
Description:	Codeplug password field is now available for MOTOTRBO R5 radios.
Issue Number:	PCR_SUB-48965/PCR_SUB-49863 / INC0001522786 / INC0002334263
System/Product:	XPR 7000e series, XPR 7000e IS series, MOTOTRBO R7, XPR 5000e series, CP200d, XPR 3000e series, CM200d, CM300d, XPR 2500, SL 3500 / SL 3500e, MOTOTRBO R5, MOTOTRBO R2 with Wifi and firmware version M2024.01 to M2025.01
Description:	Unable to detect device in device programmer via Wi-Fi For further details please refer to MTN-0082-25 .

CPS/RM Impact

Issue Number:	RFC_PCR-302 / INC0001702318
System/Product:	Capacity Max system

Description: The "allowed site list" within the RM Capacity Max Talkgroup Site Association list lacks a scroll feature. This prevents users from viewing all entries when there are multiple sites associated.

Issue Number: **RFC_PCR-310 / INC0001926404**

System/Product: XPR 5000e series, CP200d, XPR 3000e series, CM200d, CM300d, XPR 2500, XPR 7000e series, XPR 7000e IS series, CP100 / CP100d, SL 3500 / SL 3500e, MOTOTRBO R7, MOTOTRBO R2

Description: The RAS Key preview displays only capital letters instead of both capital and lowercase letters during key value modification.

Issue Number: **RFC_PCR-315 / INC0001917653**

System/Product: IP Site Connect, Capacity Plus (single- and multi-site) systems

Description: *"Error 4284: Connection to Peer ID 11 failed. Please try to connect again"* repeatedly appears when accessing Voting Details in the RDAC software to monitor voting status and signal quality. This occurs each time a radio keys up and the Voting Details window refreshes, despite clicking "OK" to dismiss the error.

Issue Number: **RFC_PCR-321 / INC0002179930**

System/Product: MOTOTRBO R5

Description: Following programming options are missing for MOTOTRBO R5 radios in M2025.01 programming software:

- Set Emergency Off for Orange Button Short Press.
- Set Emergency On for Orange Button Long Press.

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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Important Notes

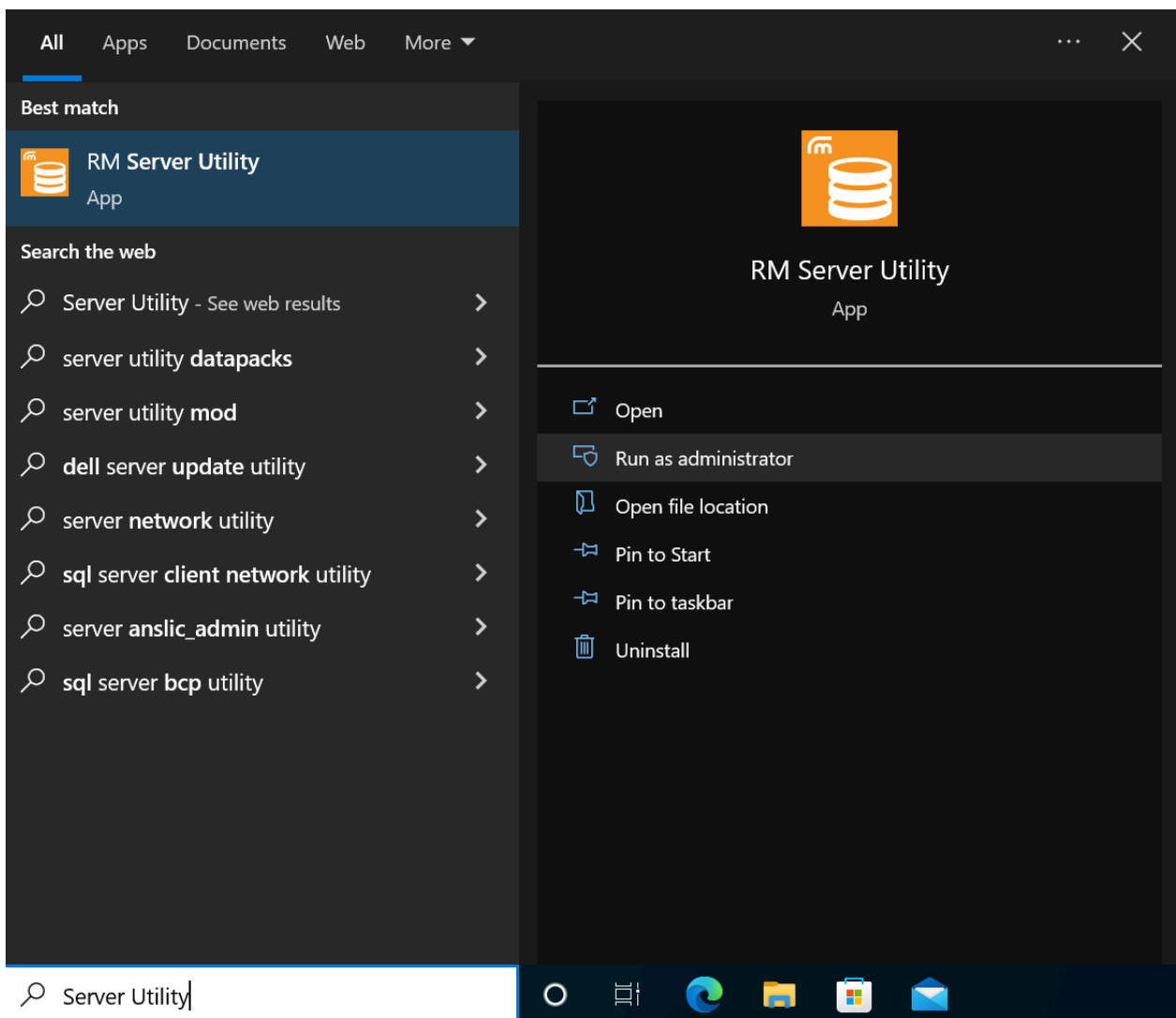
1. [PCT0206 MOTOTRBO M2025.02 New Features Training](#)

RM Access Control Feature Note

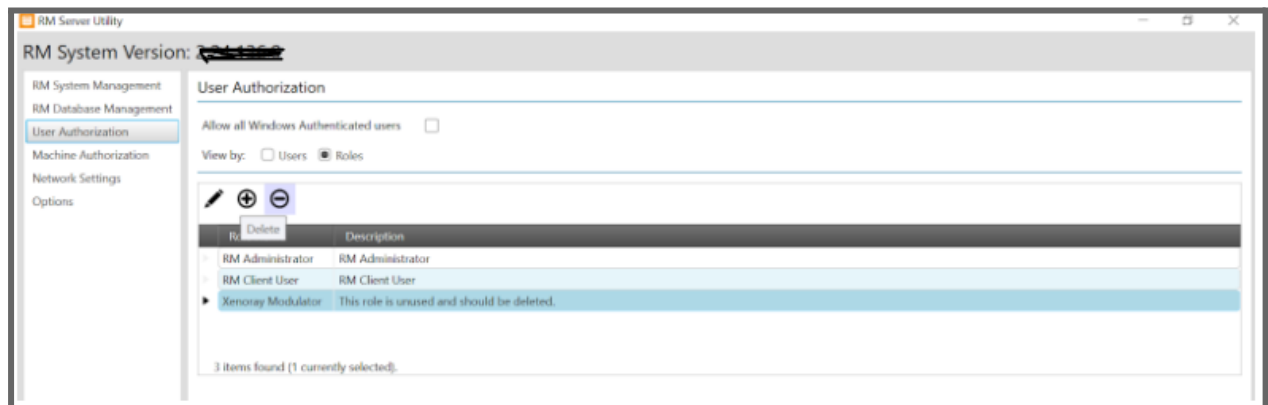
Important note for customers who DO NOT need to use RM Access Control:

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.

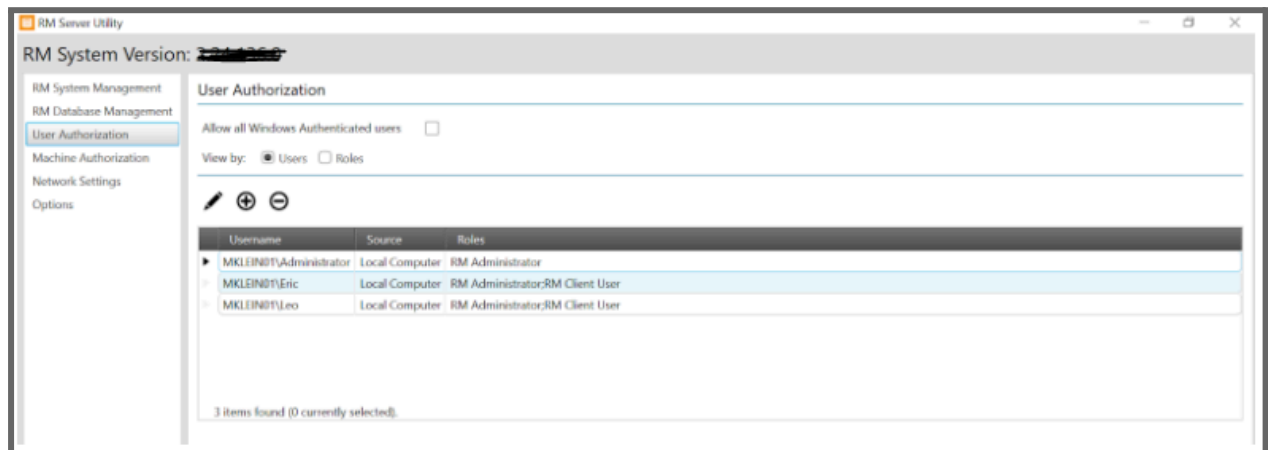
1. After performing the upgrade the user should open the RM Server Utility App on the machine that hosts the RM Server.



- 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.

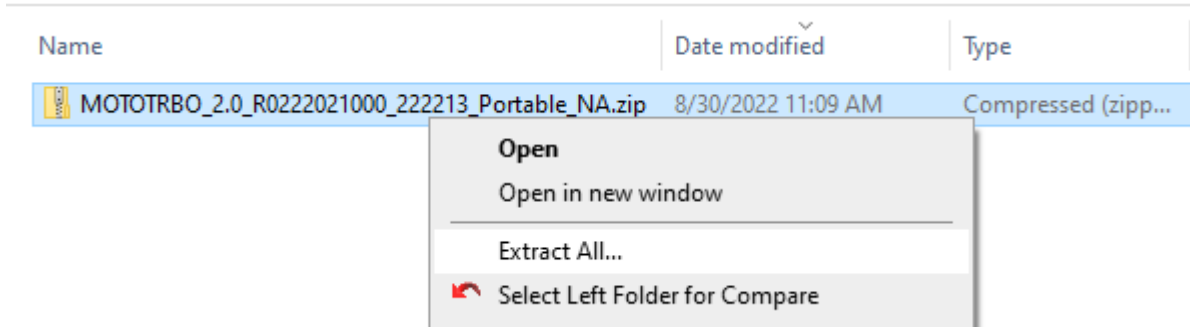


- This completes the necessary steps for users that do not wish to use the Access Control features. The RM Server Utility can be closed at this point. Users should be able to use the RM Configuration Client to connect to the RM Server and perform normal operations.

New Upgrade Package Zip Format

Starting from M2022.03, Motorola Solutions 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