MOTOROLA SOLUTIONS

VideoManager 17.3 Release Note

Software updated in 17.3.3

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- VB400 firmware
- EdgeController firmware
- DockController firmware

Changes since 17.2.1

New Feature: V500 support

Support has been added for V500 and V500 Smart Dock devices, including a new device profile type and new device list filter options. An option has also been added to allow factory reset of a V500 Smart Dock.

Enhancement: VB400 WiFi roaming

WiFi access point roaming is now supported on the VB400. Note that roaming is initiated by the access point, and may cause roaming to a band that the device may otherwise be configured not to use in the WiFi profile. [AZMV-9688]

New role permission

Permission	Section	Notes	On upgrade, granted to
View/Edit DockController settings	Advanced permissions/Settings	2 permissions	System administrator
Resilient Touch Assign configuration	Device permissions/Management	-	System administrator

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-11264	Officer preferences are now replicated between sites and central manager.
AZMV-11549	Fixed a user import issue where group data could not be imported if Active Directory server had an LDAP max page size configured.
AZMV-3220	Accessibility: HTML heading structure has been improved on many pages to improve the experience for users using screen readers.
AZMV-11773	Accessibility: Improved test contrast in some area of the user interface.
AZMV-12172	After enabling email notifications, notifications for device stream start were not sent until the server was restarted.
AZMV-8654	Audit events generated by the user import tool are now recorded against the user who manually runs the user import tool.
AZMV-11105	The first login for a user using Windows single sign-on would sometimes fail.
AZMV-9102	If two recordings were made within 5 seconds of each other, VideoManager would treat recordings as if they overlap.
AZMV-6520	Fixed a bug where downloads from M500/V700 devices occasionally reported progress over 100%.
AZMV-6189 AZMV-9925	Add settings to control which "video wall" options are available in Tactical VideoManager.
AZMV-11092	Fix an issue where device locations were not correctly displaying in Tactical VideoManager.
AZMV-9926	Tactical VideoManager now displays all connected devices (not just those with a live stream available).

Issue Id	Summary
AZMV-10773	The equipment report could occasionally fail to run soon after adding a new DockController.
AZMV-9077	Added support for RFID assignment on the M500.
AZMV-10799	Add support for location searches by latitude/longitude.
AZMV-12212	Ensure that no WiFi profile is configured on a VB400 using VB SmartControl.
AZMV-11780	Fixed a bug where the device list would fail to load if a V700 was configured as an OnStream output.
AZMV-11894	The list of timezones in timezone selection drop-downs was not in the correct order.
AZMV-11954	The system displayed a poor error message if you attempted to download M500 configuration with no public address defined.
AZMV-11731	The risky option to skip database backups at busy times has been removed.
AZMV-8975	Column header names in CSV report can now be overriden with language packs.
AZMV-8975	Field names in CSV report metadata files can now be overriden with language packs.
AZMV-5934	Fixed the focus behaviour on keyboard shortcuts popup window.
AZMV-10926	In the API key management page, keys for companion app were shown with an incorrect role name.
AZMV-7368 AZMV-7369	Added the ability to import/export incident share reason field definitions.
AZMV-3127	It was possible to attempt multiple simultaneous manual firmware upgrade requests on a single DockController.

Issue Id	Summary
AZMV-10043	The import button is now disabled on the transcript page when the page is in read-only mode.
AZMV-9094	Failed imports are now not retried after the max retries has been reached.
AZMV-11668	Fixed a memory leak which could cause the server to run out of memory if it was repeatedly unable to connect to the database at startup.
AZMV-12059	Imrpoved the logging if the system failed to startup due to an internal listen port already being in use.
AZMV-10775	Fixed a problem where using SSL servers in a grid environment with client certificate authenticated devices could result in certificate verification errors.
AZMV-10778	Improved download efficiency when using client certificate authenticated devices in a grid environment.
AZMV-10444	The manage-service command-line tool can now be used to edit the SSL certificate for client certificate authenticated device listen addresses.
AZMV-9884	Security Improvement: Updated okio-1.15.0.jar used by user import tool

Minor enhancements and bug fixes (VB400)

Issue Id	Summary
AZMV-7462	Some devices would never complete charging in a high temperature environment.
AZMV-7466	Some devices would not be eligible for Touch Assign after completing charging in a high temperature environment.
AZMV-8283	Devices could get stuck in a loop of repeatedly failing to connect to WiFi

Issue Id	Summary
	access points, or to phones in WiFi Direct mode.
AZMV-10030	Devices could restart while disconnecting-from or reconnecting-to WiFi at the same time as renewing a DHCP lease.

Minor enhancements and bug fixes (DockController)

Issue Id	Summary
AZMV-10089	The reliability of Ethernet connectivity has been improved.

Software updated in 17.2.1

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux

Changes since 17.1.2

New Feature: M500 Roaming

Support for M500 devices to be able to roam between different instances of Motorola Solutions VideoManager in a Site/Centre configuration. M500s can be bootstrapped at one Site (or Centre), and can offload footage or accept new configuration at another. For this to work, the user must enable the Roaming replication setting from the Admin > Connectivity > Configuration Replication section. This will replicate the unique Agency ID used by devices to identify Sites in their shared organisation. In certain situations, the configuration may not match from Site to Centre. For example, if the user has not enabled replication of device profiles, or if the Site is currently Isolated (unable to reach the Centre). In that case, the device will be able to offload its footage, but will not accept new configuration.

New Feature: Incident Share Reasons

You can now configure the system so that when an incident is shared with another user, the user sharing the incident must enter a reason for the sharing.

New role permissions

There are no new permissions in this release.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-9699	Correct DockController and EdgeController firmware was not automatically selected by default.
AZMV-9388	If M500 long tasks (like offloads) timed out, then the connection was occasionally getting dropped
AZMV-10034	The theme resource admin page would incorrectly reject PNG files added as a favicon.
AZMV-9173	It is now possible to configure the system to authenticate user logins with browser-provided SSL client certificates.
AZMV-10298	Sometimes Motorola Solutions VideoManager wasn't detecting M500s when they connected after bootstrapping for the first time.
AZMV-10629	M500s were being 'locked out' of system for up to 60s after Motorola Solutions VideoManager network reconfiguration
AZMV-172	International characters in User Import Tool output now display correctly in the User Import Tool admin page.
AZMV-1256	The camera/mic name is now accessible in evidence export metadata templates.
AZMV-9390	Changes to automatic import profiles did not always take effect immediately.
AZMV-9146	Security update: The embedded Postgres database has been updated to 13.12.
AZMV-9173	It is now possible to configure the system at startup to use an external Postgres database.
AZMV-3211	Record audit log entry when a Mobile App field is added or modified

Issue Id	Summary
AZMV-5866	Make question-circle buttons focus/hover behaviour in Permissions table consistent with rest of application
AZMV-5905	Make 'Delete default device' button in Role edit page accessible
AZMV-7608	Always validate text list field value content against its 'Max Items' limit
AZMV-7844	Remove inapplicable 'Group Member Stop' and 'Allow Manual Stop' options from M500 device profile
AZMV-7987	Accessibility: Make the focus state clearer on toggle buttons
AZMV-8002	When changing M500 name, prevent device from resetting to previous name
AZMV-8663	Changes to the Vehicle Auto Upgrade setting at CVM now immediately replicate to sites
AZMV-4493	Remove references to iOS version of VB Companion (End of Life)
AZMV-7306 AZMV-7307 AZMV-8877 AZMV-7572 AZMV-9444	Security updates: various embedded third-party libraries have been updated.

Software updated in 17.1.2

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux

Changes since 17.1.1

New role permissions
There are no new permissions in this release.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-9312	M500 connections are now less likely to timeout when using slower LTE connections.
AZMV-9666	Client certificate forwarding for "client certificate authenticated devices" listen ports now support certificates forwarded in PEM format.
AZMV-10044	The server SSL certificate is now configurable for "client certificate authenticated devices" listen ports.
AZMV-10252	Database upgrade could fail when upgrading certain databases with very large numbers of records.
AZMV-10290	When using automatic imports, the system could leak file handles which would eventually cause the service to fail.

Software updated in 17.1.1

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux

Changes since 17.0.4

New Feature: Export Confirmation

If you use exports to perform an automated transfer of data to an external system, you can now set the system up so that the export awaits confirmation from the external system before it becomes complete. The external system may also provide a URL linking to the external data which is visible on the export page. The external system must generate a file to confirm the successful import; the auto import mechanism can be used to detect and process these files indicating that the export is complete (which your automated integration must provide).

The VideoManager import system can now be configured to generate an "import confirmation" file after a successful import.

These two mechanisms can be combined so that if you are exporting data from one VideoManager system for automated import into a second VideoManager system, the second system can generate a confirmation file which can be forwarded to the first

system to complete the export in the original system and provide a URL to the imported data. [AZMV-7799]

New role permissions
There are no new permissions in this release.

Software updated in 17.0.4

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- VB400 firmware
- VT50 / VT100 firmware
- EdgeController firmware
- DockController firmware
- User Import Tool

Changes since 17.0.2

New role permissions
There are no new permissions in this release.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-8896	Exports larger than 5GB failed when using an S3 filespace.
AZMV-8922	Footage downloaded from M500 was occasionally recorded against the wrong device.
AZMV-8967	Importing theme resources when sandboxing has been enabled no longer results in a server error.
AZMV-8994	Exports could fail if core grid web URL was incorrectly configured.
AZMV-8809	Failed to save new M500 device profiles when the user did not have permission to edit RATF retention period.

Software updated in 17.0.2

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- VB400 firmware
- VT50 / VT100 firmware
- EdgeController firmware
- DockController firmware
- User Import Tool

Software updated in 17.0.0

New Feature: Time zone improvements

It is now possible to configure the time zone used by the system to be different to the host OS time zone. You now can now control the time zone used to create the metadata overlay on recorded videos. You can either specify a time zone for the overlay in the VB400 or VT device profile (and use different profiles for devices in different timezones), or you can specify a time zone for a DockController (which applies to all devices docked in the DockController). [AZMV-5156, AZMV-5157, AZMV-5424, AZMV-5484]

New Feature: Device GPS location reporting

In order to make it easier to locate specific devices, the system now retains the last GPS location reported by devices which connect over LTE or WiFi. The current or last known location is now shown on a map on the device details page (if you have mapping enabled). The equipment report includes the last known GPS location and the time it was reported. [AZMV-5520, AZMV-5625, AZMV-5626]

New Feature: M500 Record-After-The-Fact®

You can configure M500 in-car video systems to enable "Record-After-The-Fact". In this mode, devices internally capture and retain footage for a period of time even when they are not "recording". Using the web UI, you can instruct a connected device to create a recording for a previous time period from the retained footage, which will then be uploaded to the server. For jurisdictions where this feature should not be enabled, a specific permission exists to ensure that this mode cannot be enabled. [AZMV-5644, AZMV-5660, AZMV-5991]

New Feature: VT100 recording alarm

It is now possible to configure an alarm that makes the VT100 vibrate periodically while recording.

New role permission

Permission	Section	Notes	On upgrade, granted to
View/Edit system time zone	Advanced permissions/Settings	2 permissions	System administrator
Edit Record-After-The-Fact settings	Advanced permissions/Settings	-	System administrator
Request device Record-After-The-Fact (User/Supervised/Any)	Device permissions/Device	3 permissions	Roles which previously had permission to initiate device state capture
Request vehicle Record-After-The-Fact	Device permissions/Vehicle	-	Roles which previously had permission to initiate vehicle state capture

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-3131	Transcriptions were not properly rendered when exporting an audio clip.
AZMV-4694 AZMV-4750	The performance of the system has been improved when there are many touch assigns in a short period of time and there are a large number of users.
AZMV-5080	There is now a 400 character limit on touch assign IDs in order to optimize touch assign performance.
AZMV-5152	Deleting any bandwidth rule would remove all bandwidth rules from all DockControllers.
AZMV-5622	ONVIF authentication did not work.
AZMV-132	The thumbnail quality has been improved for short videos in the gallery view.

Issue Id	Summary
AZMV-169 AZMV-170	Many non-ASCII characters were previously not encoded properly in VideoManager and User Import Tool logs. The logs are now UTF-8 encoded.
AZMV-1339	M500 Vehicle Network Profiles are now replicated from the central manager to sites.
AZMV-5284	M500 firmware images imported on a central manager are now replicated to sites to allow upgrades at site.
AZMV-3233	Editing of prepared redactions/annotations on a video or image was not previously audited.
AZMV-4653	As a security measure, all logged in users and connected devices are now disconnected when the web server is reconfigured.
AZMV-6910	It was not possible to listen to the second audio channel in the video player when playing back a VB400 video.
AZMV-5060	When exporting an incident containing footage which had not yet been fetched from a site, the system would show an error if you requested to fetch that footage.
AZMV-5155	The transcription editor now allows specific keys to control the video player even when keyboard focus is in a text input control. This feature may require configuration.
AZMV-6811	M500 state capture requests were not audited.
AZMV-5260	Setting properties with VB SmartControl could cause the web UI to show blank media file properties (rather the omitting unset properties).
AZMV-5315	Support for M500 RFID officer login has been added.

Issue Id	Summary
AZMV-5356	Added support for prioritised upload of critical recordings from M500 devices.
AZMV-5840	Added support for M500 secondary upload and DNS servers.
AZMV-4603	The audit trail now captures when M500 devices auto upgrade themselves.
AZMV-1455	Error messages relating to conflicting data in the User Import Tool have been improved to show which data is causing conflicts.
AZMV-6242	M500 device profile incorrectly allowed bookmarks and photo capture to be enabled.
AZMV-6445	Fixed the M500 device profile GPS configuration UI to correctly reflect device capabilities.
AZMV-2585	The formatting of audit log messages for configuration changes has been slightly improved.
AZMV-97	Accessibility Improvement: header hierarchies have been improved on admin pages to make them work better with screen readers.
AZMV-5838 AZMV-5865 AZMV-5871 AZMV-5879	Accessibility Improvement: fixed various controls in the UI which were inaccessible by keyboard.
AZMV-5531	Accessibility Improvement: every page now has a skip link to the main content.
AZMV-5803	Accessibility Improvement: it's easier to see when navigation tabs have keyboard focus.
AZMV-5800 AZMV-5806	Accessibility Improvement: keyboard tab orders have been improved in many places.

Issue Id	Summary
AZMV-6095	Accessibility Improvement: keyboard focus no longer automatically jumps to certain controls.
AZMV-4870 AZMV-5687 AZMV-7084	Security updates: updated various third party libraries.
AZMV-6680	Stability improvement: the server will automatically restart on the rare occasion that an internal deadlock is detected. Previously the server would hang and would need to be manually restarted.
AZMV-6344	Improvements to size constraints replicating User-defined fields from CVM to Site.
AZMV-6748	Added support for M500 secondary upload server to be treated as an LTE.
AZMV-8511	Improved handling of interrupts uploading over LTE.
AZMV-8270 AZMV-8055 AZMV-7993 AZMV-6541	Improved video offloading from M500 devices.
AZMV-7968	Added missing allow priority upload config option to M500 device profile.

Minor enhancements and bug fixes (VB400)

Issue Id	Summary
AZMV-5267	When connected to a WiFi network with a DNS server that is not on the same IP subnet as the VB400, the device could not resolve the Motorola Solutions VideoManager public address, and so could not connect.
AZMV-5858	There was excess distortion in the recording of very loud sounds.

Issue Id	Summary
AZMV-5170	Add support for configurable time zones (see above).
AZMV-5076	Changes have been made to facilitate debugging problems with WiFi connectivity.
AZMV-7007	Security update: Various libraries have been updated to address security issues.

Minor enhancements and bug fixes (VT50 / VT100)

Issue Id	Summary
AZMV-7000	The device could restart when recording was started shortly after a previous recording was made and the device was connected to a WiFi network with both docking and streaming enabled.
AZMV-7007 AZMV-2595	Security update: Various libraries (including OpenSSL) have been updated to address security issues.

Minor enhancements and bug fixes (DockController)

Issue Id	Summary
AZMV-7007	Security update: Various libraries have been updated to address security issues.

Minor enhancements and bug fixes (EdgeController)

Issue Id	Summary
AZMV-7007	Security update: Various libraries have been updated to address security issues.

Software updated in 17.0.0

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- User Import Tool

Changes since 16.2.2

End of life: VB200 / VB300 firmware
The built-in VB200 / VB300 firmware is no longer included in Motorola Solutions VideoManager. [AZMV-4455]

New Feature: Certificate Forwarding mode
When receiving connections from M500 in-car video systems, Motorola Solutions VideoManager now allows M500s connections to be forwarded by an external SSL proxy, provided that proxy can forward SSL client certificates. Authorised users can now download the Client Root CA Certificate required to configure an SSL client certificate proxy.

New role permissions
There are no new permissions in this release.

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-3432	MOTOTRBO radio integration is no longer a preview feature and is available to all customers.
AZMV-4402	You can now select the current display language using a dropdown menu in the main navigation bar.
AZMV-3134	Occasionally, the system would display a broken thumbnail for a video which was being uploaded from a site.
AZMV-3251	An unwanted extra semicolon was displayed in the audit log filter panel.
AZMV-3698	Updated an out-of-date library.
AZMV-2179	Added a Transfer Station information page to assist with configuring Transfer Stations.
AZMV-2340	Added a M500 Auto-upgrade enable/disable switch.
AZMV-2056	Connections from M500 devices are now rejected if the device's Agency ID does not match the system Agency ID.

Issue Id	Summary
AZMV-3325	Connections from unsupported device types are now rejected.
AZMV-3468	M500 device field trips now appear in the Field Trip Report.
AZMV-3469	M500 device media now appears in the Media Report.
AZMV-4190	State Capture download progress did not always clear when downloads completed.
AZMV-4528	Removed excessive logging when no device firmware is available for upgrade.

Software updated in 16.2.4

- Motorola Solutions VideoManager for Windows
- Motorola Solutions VideoManager for CentOS Linux
- VB400 firmware
- EdgeController firmware
- DockController firmware
- User Import Tool

Changes since 16.2.1 & 16.1.1

Enhancement: Playback of pre-record footage without audio
When the device profile "Record audio" option is set to "Yes (except during pre-record)", the device now records silence rather than no audio at all when pre-recording. This fixes issues with playback in the SmartControl mobile application, and with compatibility of footage exported from VideoManager. [AZMV-1210]

New role permission

Permission	Section	Notes	On upgrade, granted to
Allow streaming	Device permissions/Mobile app	-	System administrator

Minor enhancements and bug fixes (Motorola Solutions VideoManager)

Issue Id	Summary
AZMV-3389	It was not possible to specify a web server public address using certain top

	level domain names.
AZMV-860	The ability of the user to enable/disable live streaming from the mobile app is now permission controlled.
AZMV-1613	The first-time setup UI now allows the administrator to provide a web server SSL certificate during initial setup. SSL is enabled by default.
AZMV-3154	Auditing of configuration changes would sometimes fail with exceptions in the log.
AZMV-2823	Grid core servers would restart unnecessarily when in standby mode.
AZMV-1090	Only the first clip of an unsaved incident containing M500 footage could be played.
AZMV-102	Accessibility: All buttons now have text compatible with screen readers.
AZMV-718	Accessibility: Toggle buttons now work correctly with screen readers.
AZMV-3232	Accessibility: All hyperlinks are now labeled so that they work with screen readers.
AZMV-1575	New filter options have been added to the Manage Exports page.
AZMV-1576	The My Exports/Manage Exports page now limit the number of exports that they display.
AZMV-2019	Security improvement: All XML handling has been protected against XXE attacks.
AZMV-2222	Redacted video was rendered incorrectly if a "full screen" brightness was applied.
AZMV-2521	It was possible to save a M500 device profile even if it had certain validation errors.
AZMV-3240	When editing the "Auto change owner" for a DockController, the save button did not always appear.
AZMV-3243	When importing certain hi-res videos, the duration of the video would change on import.
AZMV-1589 AZMV-2198	Updated out-of-date libraries.
AZMV-409	While editing an incident it was possible to click on disabled actions using the keyboard.
AZMV-868	The web server no longer restarts and thus users are no longer logged out when the web server address configuration is edited.

AZMV-4182	'Recording policy' option was erroneously displayed in the device profile editor for VB-200/300 and VT-50/100 device profiles.
AZMV-4185	When performing a bulk fetch of videos, the confirmation message was incorrectly formatted.
AZMV-4188	The filespace dialog incorrectly allowed object storage to be selected for a temporary import filespace.
AZMV-1336	Video preparations cannot be created for multi-stream M500 videos.
AZMV-2128	System would attempt to auto upgrade M500s even if no default firmware was selected.
SW-3988	A default owner can now be configured for M500s. This user will own all footage recorded by the M500 which is not associated with a specific operator.
SW-4267	Video metadata overlay is now always shown by default when playing M500 videos.
AZMV-2364	Configured Wireless Mic Status Text flag was not being passed to M500.
SW-4241	Scheduled reports which cross a year boundary were run with the wrong end date when using a custom report schedule.
SW-4018	The live location of an M500 can now be displayed on the Tactical View (if licensed).
SW-709	The Tactical View has had various improvements to make it work better when displaying large numbers of devices.
SW-4198	The size of the M500 RATF (record after the fact) buffer is now configurable in the M500 device profile.
SW-4197	The system now records more frequent GPS fixes for M500 devices, increasing the fidelity of mapping for M500 videos.

Minor enhancements and bug fixes (VB400)

Issue Id	Summary
SW-4059	MXP600 radios did not maintain their Bluetooth connection to the VB400 if WiFi was enabled or disabled.
AZMV-4223 AZMV-2834	The device could restart when saving edited media fields in VB Companion or VB SmartControl.
AZMV-3346	The device would sometimes take 5 mins longer than is usual to complete a

	firmware upgrade.
AZMV-659	Security update: conversions to safe APIs have been made to address potential security issues.
AZMV-2594	Security update: use latest version of OpenSSL.

Minor enhancements and bug fixes (DockController)

Issue Id	Summary
AZMV-533	Factory reset now erases all data, including previous logs.
AZMV-3139 AZMV-3143 AZMV-3145 AZMV-2213 AZMV-3570	Security update: various enhancements have been made to harden the security and reliability of the platform, and to improve diagnostics.
AZMV-2594	Security update: use latest version of OpenSSL.
AZMV-533	Factory reset now erases all data, including previous logs.

Minor enhancements and bug fixes (EdgeController)

Issue Id	Summary
SW-3182 SW-2878 SW-2885 SW-2883 SW-2879 SW-2886 SW-2881 SW-2882 SW-2880 SW-2877 SW-3905 AZMV-2594	Security update: Various libraries (including OpenSSL) have been updated to address security issues.

Earlier changes

See the V16.2.1 release notes for earlier changes.

End-of-support (EOS) for VideoManager 15.0

VideoManager 15.0 (and earlier) are now at end-of-support, and VideoManager 17.2 is the recommended upgrade for customers with software assurance.

End-of-support for specific VideoManager software versions means that they are longer supported or serviced, and will not receive further security or feature updates.

Existing VideoManager 15.0 and earlier installations will continue to operate, but you should be aware that when you use software after its end-of-support, you are potentially exposing your organisation to security vulnerabilities.

Known issues

VB400 may not start automatic pre-recording after a factory reset
If a factory reset is performed on a VB400 multiple times, or only once while FIPS is enabled, and if the device is subsequently assigned with a device profile with automatic pre-record enabled, then pre-recording will not start. The problem can be worked around by power cycling the VB400. [SW-2977, SW-1750]

VB400 Bluetooth and Wifi are incompatible
WiFi streaming and download over WiFi cannot be used on a VB400 when it is configured to connect to the VB Companion App over Bluetooth.

VB400 WiFi offload of footage can make X-100 or X-200 unreliable
If you configure the device to offload footage over WiFi, then in-progress offloads can sometimes cause the operation of an X-100 or X-200 external camera to be unreliable. It is not currently recommended to enable WiFi offload if using an external camera.

DockController assignment groups with overridden device settings
If you set up multiple DockControllers to share a single RFID reader, then you must ensure that all the DockControllers in the group share the same RFID assignment charge criteria (these can now be overridden for each DockController). If the charge criteria for the DockControllers in the group are not the same, then you may unexpectedly be unable to assign a device in some circumstances.

Large Numbers of Incident Clip Counts
The system performs poorly when more than 200 incident clips are created in a single incident. You should not create incidents with more than this many clips. Some functions may not work properly if this limit is exceeded, e.g. export may fail.

Upgrade notes

Internet Explorer support has ended
Internet Explorer is no longer a supported browser.

Postgres database upgrade
If you are using the bundled Postgres database server rather than Microsoft SQL Server, and you are upgrading a version earlier than 15.1.0, be aware that when this release is installed, the database must be upgraded to Postgres 13.3. Depending on the size of your database, this can be a time consuming process and it temporarily consumes a significant amount of disk space.

HTTP Basic Authentication Disabled
Some security analysts now consider the ability to authenticate HTTP requests with "Basic" authentication to be a security vulnerability. For this reason, the Motorola Solutions VideoManager web APIs no longer allow clients to use HTTP Basic authentication. If you directly access the API and you use Basic authentication then you should either switch to using HTTP Digest authentication, or you can re-enable Basic authentication by adding the following text to *Admin > System > Advanced Settings*:

    api.key.basic.auth=true

You should only do this if you are satisfied this does not constitute a security risk in your environment.

Microsoft SQL Server TLS requirements
For installations which use Microsoft SQL Server as the Motorola Solutions VideoManager database, be aware that SQL Server must support TLS 1.2 encryption or the Motorola Solutions VideoManager service cannot connect to it. If you are using SQL Server 2012 and 2014 please ensure that you have the latest service packs installed to ensure TLS 1.2 compatibility.

Software assurance requirement for upgrade
In order to upgrade to this version from an older version, you must have software assurance coverage up to 14 February 2023. If you are upgrading from a version older than 10.2, then you must upgrade to 10.2 and install software assurance before installing this version.

Data storage location change

The default data storage location is now c:\ProgramData\Motorola Solutions\VideoManager for a new installation. If you upgrade from a version of Motorola Solutions VideoManager older than 14.5.0, you will already have data stored in c:\ProgramData\Edesix\VideoManager. In this case, the system continues to use the data in c:\ProgramData\Edesix\VideoManager (which might include your database, configuration and/or filespace data), but all log files are written to c:\ProgramData\Motorola Solutions\VideoManager\pss-service-logs.

Central manager site upgrades

When upgrading a central manager installation, replication of certain configuration settings from the central manager to sites (including EdgeControllers) will not occur until those sites are upgraded.

If you use any of the "Shared configuration settings" - on the Auto-fetch settings page - to replicate configuration information to sites, then the site will use out-of-date configuration information until upgraded to the minimum required version for that setting. Configuration changes made on the central system will have no effect until the site is upgraded.

The following table shows the minimum required version of Motorola Solutions VideoManager running at the site in order for each shared configuration setting to replicate correctly.

Shared configuration setting	Minimum compatible site version
Keys	5.1.0
Roles & Password Rules	6.4.0
Users	14.5.0 **
User Groups	14.0.0
Device Profiles	6.4.1
Deletion policies	6.4.0
User-defined fields	14.1.0 if you enable playback reason auditing
	14.0.0 if you define any tag list fields
	6.4.0 otherwise

Device states and locations	10.0.0

** - users can be replicated to sites running 7.0.1 to 14.4.x, but an incompatibility warning will be shown and bluetooth pairing information will not be replicated.

DockController DHCP client changes In 16.1.0 the version of the DHCP client used by the DockController was updated. This update has caused a change in the way the DHCP client identifier is generated. Please contact support if further information is required.

Supported platforms

Motorola Solutions VideoManager is supported on the following platforms:

- Windows 10 Pro & Enterprise 64-bit
- Windows 11 Pro & Enterprise
- Windows Server 2012 Essentials, Standard & Datacenter *
- Windows Server 2012 R2 Essentials, Standard & Datacenter *
- Windows Server 2016 Essentials, Standard & Datacenter * **
- Windows Server 2019 Essentials, Standard & Datacenter * **
- Windows Server 2019 Essentials, Standard & Datacenter * **
- Windows Server 2022 Essentials, Standard & Datacenter * **

* Accessing the Motorola Solutions VideoManager web application from a web browser running on a Windows Server desktop is not supported. However, Windows Server can be used for running the Motorola Solutions VideoManager service.

** USB attached devices are not supported on Windows Server 2016 and later.

Supported browsers

The Motorola Solutions VideoManager web application is supported on the following browsers:

- Microsoft Edge 79+ (Windows 10/11)
- Chrome 48+ (Windows 10/11, MAC OS X v10.10)
- Firefox 68 ESR+ (Windows 10/11, Ubuntu 18.04+) *

The security settings of your browser may prevent some features of the Motorola Solutions VideoManager web application from working correctly. In particular, some browsers may silently prevent the download of files from the Motorola Solutions

VideoManager web application. Adding Motorola Solutions VideoManager web application to the list of trusted websites will normally fix this.

Accessing the Motorola Solutions VideoManager web application from a web browser running on a Windows Server desktop is not supported.

* When using Firefox on Windows, you may need to run Windows Media Player once to install codecs before video playback will work. Firefox video playback only works if the operating system provides an MP3 codec. When using Firefox on Ubuntu, you must install a package which provides H.264 and AAC codecs for Firefox, e.g. libavcodec-extra.

Supported device firmware

We do not support assignment of devices running firmware older than version 6.0. These devices will still connect but only for the purposes of upgrading them.

Included device firmware

This release of Motorola Solutions VideoManager includes the following firmware:

VB400 firmware	V17.3.2
VT50 / VT100 firmware	V17.0.2
DockController firmware	V17.3.0

Supported radios

The VB400 Motorola radio integration features are supported in conjunction with the following models:

- Any TETRA Radio with Bluetooth hardware and MR19 software or higher with Bluetooth Connectivity and Bluetooth Radio Control features enabled.
- The following MOTOTRBO radios:

Region	Model
North America	R7, XPR 7000e series
Europe and the Middle East	R7, DP4401e, DP4601e, DP4801e,

	DP3441e, DP3661e
Asia-Pacific	R7, XiR P8668i, XiR P8628i, XiR P8608i, XiR E8608i, XiR E8628i
Latin America	R7, DGP 8000e/5000e series, DGP 8050e Elite