Changelog

Version 2.x.x

Released: Unreleased

Summary

Changes

Unreleased

Released: tbd

Summary

Changes

Version 2.15.2

Released: 19.08.2026

Summary

Added SNMPV3 support for the DSS

Changes

- [Feature] DSS: SNMPV3 support is now available

Version 2.15.1

Released: 05.08.2026

Summary

Implementation of the new GNSS Views for the DTS4150, DTS4160 & DTS4210

Changes

- [Feature] Added the GNSS Constellation details view
- [Feature] Added the GNSS SV details view

Version 2.15.0

Released: 07.07.2026

Summary

Implementation of the DTS4163 Version 3.3.0

Changes

- [Feature] DTS4163: Basic Functions are now available (Backup, Update, Export Support Log, etc)
- [Feature] DTS4163: Maintenance Functions are now available (Identify, Clean Logs, Expire Password, Test Alarm, etc.)
- [Feature] DTS4163: Network Functions are now available (Reset methods)
- [Feature] DTS4163: Service Functions are now available (Restart methods)
- [Feature] DTS4163: Logserver configurations are now available
- [Feature] DTS4163: More Informations are now available
- [Feature] DTS4163: Device components can now be configured (PSU, LAN, Signal, etc.)

- [Feature] DTS4163: Timecore settings are now available
- [Feature] DTS4163: Timesource settings are now available (PTP Client/Server, DCF and Signal)
- [Feature] DTS4163: LAN configurations are now available
- [Feature] A JsonFileParser is now available

Version 2.14.1

Released: 05.03.2026

Summary

Implementation of the new DTS480x FW, the new Elekon parameters and some minor bug-fixes

Changes

- [Feature] DTS480x: Add the new MIB file and implement support for MIB version 60.
- [Feature] DTS480x: Ask user for FTP/SFTP password instead of reading it via SNMP.
- [Feature] DC4: Added Sensor Protocol Type value "AUTO"
- [Feature] G2 Movement devices: New wifi-security types have been added
- [Feature] G2 Movement devices: New sensor parameter "Channel" have been added
- [Refactor] G2 Movement devices: 0.0.0.0 is now accepted as a valid DNS-Address
- [Fix] Add missing error text messages for DTS 4132 (bits 26, 27, 28, 44, 45).
- [Fix] Disable controls in master clock editor if user has no write rights.

Version 2.14.0

Released: 23.04.2025

Summary

Release with the new DSS-Version 2 and with a new timezone table.

Changes

- [Feature] DSS-Version 2 has been implemented.
- [Feature] The timezone table has new timezones.

Version 2.13.2

Released: 27.03.2025

Summary

Release with many bug fixes and a new parameter for the DTS 4160 & DTS 4210 devices.

Changes

- [Feature] DTS 4160 & DTS 4210: Added F-In as a time source priority parameter.
- [Improvement] Changed FTP file update behaviour to prevent files being used before update is complete.
- [Improvement] No device restart required on time zone table update when running the update from update wizard.
- [Fix] DTS 4132: Program file is displayed.
- [Fix] DTS 4801: Factory reset function has been repaired.
- [Fix] STC: The time zone table won't be cloned anymore, when a new device is selected.
- [Fix] Warning: Language file cannot be found.
- [Fix] Prevent endless loop in case of file transfer or time zone loading error.
- [Fix] When running the time zone table update from wizard, the device update command won't be sent any-more.
- [Fix] Device configurations can now be opened, if the operation system has a different character set.
- [Fix] The device won't use the new time zone table file until the FTP file transfer is completed.
- [Fix] In the uninstallation process you can now remove the user settings folder.
- [Fix] Null pointer exception after time zone table change/update in DTS editor.

Version 2.13.1

Released: 10.06.2024

Summary

Feature release with GNSS Security Configuration Support for DTS 4160 and some minor changes.

Changes

- [Feature] Add GNSS Security support for DTS 4160.
- [Improvement] DTS 4163: Show active PTP probe file (*.csv) in the drop-down when "Device recorded" is selected.
- [Improvement] DTS 4163: Disable NTP details link if NTP server is disabled.
- [Fix] DTS 4163: Renamed "Profile" to "Config" in PTP probing configuration.
- [Fix] DTS 4163: Show UTC time in dTE chart.

Version 2.13.0

Released: 23.04.2024

Summary

Release with support for DTS 4163 devices and some minor improvements and bug fixes.

Changes

- [Feature] Added support for DTS 4163 devices.
- [Improvement] Added option to manage device passwords for file transfer in the MOBA-NMS password manager.
- [Improvement] Renamed config option "GPS-DCF" to "GNSS-DCF" for all DTS and NTS devices.
- [Fix] Fixed DTS 4210 version mismatch. (Version 23 renamed to 24. Version 24 renamed to 25.)
- [Fix] Changed NTP request interval setting max. value from 999s to 99s for all slave clocks.

Version 2.12.1

Released: 23.10.2023

Summary

This release fixes some DTS device configuration editor bugs.

Changes

- [Fix] Fixed DTS editor bug where the scrollbars were not visible initially.
- [Fix] Removed not supported network port mode "1000 MBit, half duplex" for DTS 4210, DTS 4160 and DTS 4150.
- [Improvement] Added DTS 4210 GNSS configuration value "Source drop on Alarm Security Warning".
- [Improvement] Enabled combo box value filter for DTS 4210 GNSS configuration "Constellation mode". With this filter only the supported modes are displayed.

Version 2.12.0

Released: 11.09.2023

Summary

Feature release with GNSS Security Configuration Support.

Changes

- [Feature] Added support for DTS 4210 GNSS Security Configuration.
- [Improvement] Removed deprecated DTS 4210 GNSS configuration values (survey mode).

Version 2.11.0

Released: 16.01.2023

Summary

Feature release with support for DC4 digital clocks (DC100 and ECO-DC) and some minor bug-fixes.

IMPORTANT NOTICE

Braking change: MOBA-NMS configuration files (*.mnms) created with previous versions will be automatically migrated to a new file format required for the DC4 clocks. Migrated files can no longer be opened in older MOBA-NMS versions!

Changes

- [Feature] Prepared all DC clock models and extensions for new DC4 platform.
- [Feature] Added configuration support for DC100 and ECO-DC clocks with DC4 platform.
- [Feature] Added support for CMD_GET_GROUP command with two-byte identifier according to TE-800775.40.
- [Feature] Added time zone table version 11.
- [Feature] Added feature to export standard time zone table in factory mode.
- [Improvement] Splitted "General Settings" tab into "General Settings" and "Network Settings" tabs for all movement and digital clock configuration editors. (Because of the new WiFi parameters for DC clocks.)
- [Improvement] The size of dialogs is saved in the user profile and restored the next time they are displayed.
- [Improvement] Performance improvement while starting MOBA-NMS and loading configuration files.
- [Fix] Fixed DTS SSH RSA/SHA1 communication bug.
- [Fix] Fixed DTS impulse line time display bug.
- [Fix] Fixed minor UI bugs with high resolution displays.
- [Fix] Fixed MOBA-NMS desktop / start menu icons.
- [Fix] Fixed application freeze on device status update when multicast / broadcast interface defined in preferences could not be found.
- [Fix] Fixed firmware update file check for ECO-DC / ECO-M-DC WiFi clocks.

Version 2.10.3

Released: 24.08.2022

Summary

This bugfix release fixes some device configuration editor bugs.

Changes

- [Fix] Fixed an error that prevented old DTS480x devices from being configured.
- [Fix] Fixed a bug that could cause an error when the device has set an internal date which lies in the distant future.
- [Fix] Added a missing field for "line mode" when a line is in DCF active mode.

Version 2.10.2

Released: 29.07.2022

Summary

This bugfix release fixes two device configuration editor bugs.

Changes

- [Fix] Fixed an issue that caused the DTS 4020 device editor to show an error.
- [Fix] Fixed a check for the correctness of firmware files for newer digital clocks.

Version 2.10.1

Released: 20.07.2022

Summary

This bugfix release fixes an issue with the activation of licenses.

Changes

- [Fix] Temporarily changed Java version back to 15 to fix an issue with the activation of licenses.

Version 2.10.0

Released: 13.07.2022

Summary

This release adds support for multiple new device types and improves support for certain older devices.

Changes

- [Feature] Added support for newer NCC (VB) devices
- [Feature] Added support for newer DC devices
- [Feature] Added support for DTS 4803 devices
- [Improvement] Improved support for older DTS 480x devices
- [Improvement] Updated internal Java version to 18
- [Fix] Fixed a bug that prevented manually setting the time on DTS 4132 devices
- [Fix] Fixed (S)FTP communication failing on newer DTS 4128 devices
- [Fix] Fixed a bug that caused an error message to appear when changing the hostname on an NPR device
- [Fix] Fixed a bug which lead to some alarm messages not showing up for certain network devices
- [Fix] Updated some internal program libraries

Version 2.9.3

Released: 03.02.2022

Summary

This bugfix release fixes issues with the device search and device editors.

Changes

- [Fix] Fixed a bug where the device search would not use the correct timeout for unicast searches
- [Fix] Fixed a bug where some network parameters could not be set for DTS4210 network interfaces 10 - 16
- [Fix] Added missing PTP parameters for DTS4150, DTS4160 and DTS4210 devices
- [Fix] Updated some internal program libraries

Version 2.9.2

Released: 25.08.2021

Summary

This bugfix release resolves issues with some DTS device editors and fixes some problems with the multicast communication.

Changes

- [Fix] Fixed a multicast communication error that could occur on some systems when a preferred network interface is selected
- [Fix] Impulse lines can now be started and stopped again in DTS4806 devices without error messages
- [Fix] Improved compatibility with older DTS4210 firmware versions
- [Fix] Corrected wrong GNSS-DCF label in the DTS4150 device editor
- [Fix] DTS 4150/4160/4210: NTP settings will now be saved correctly
- [Fix] DTS 4150/4160/4210: Fixed a bug where LAN 3 settings couldn't be edited when LAG was disabled
- [Fix] Removed the obsolete DSS alarm overview (use the DSM desktop client instead)

Version 2.9.1

Released: 05.05.2021

IMPORTANT NOTICE

As of this release, Windows 7 is not officially supported anymore as an operating system for NMS. This is due to the update of the internal Java version, which no longer supports old operating systems. We do offer a workaround patch that can be applied if you still use Windows 7 and encounter issues while using NMS. However, please be advised that no support will be provided for such installations. Contact your sales distributor to receive more information about this issue.

Summary

This is a bugfix release which corrects an error which could prevent licenses from being detected as valid.

Changes

- [Fix] Fixed an error which could prevent licenses from being detected as valid

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Version 2.9.0

Released: 29.04.2021

IMPORTANT NOTICE

As of this release, Windows 7 is not officially supported anymore as an operating system for NMS. This is due to the update of the internal Java version, which no longer supports old operating systems. We do offer a workaround patch that can be applied if you still use Windows 7 and encounter issues while using NMS. However, please be advised that no support will be provided for such installations. Contact your sales distributor to receive more information about this issue.

Summary

This release improves the handling of older firmwares of multiple DTS devices and updates the internal Java installation.

Changes

- [Feature] Updated DTS 4138 plugin
- [Improvement] Improved handling for different firmware versions of multiple DTS devices

- [Fix] Updated internal Java version
- [Fix] Fixed wrong sorting of NCC current dropdown field
- [Fix] Corrected some typos

Version 2.8.1

Released: 20.11.2020

Summary

This release contains bugfixes for master and slave clock editors.

Changes

- [Fix] Fixed a bug where newer DTS 4136 devices were not being found in NMS
- [Fix] Added missing NTP server fields to DTS 4150 editor
- [Fix] Updated DTS 480x device images in editor
- [Fix] Fixed handling of filenames for slave clock firmware updates

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Version 2.8.0

Released: 02.09.2020

Summary

This release contains updates for various device editors.

Changes

- [Fix] Updated the DTS4020, DTS4150, DTS4160 and DTS4210 plugins

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Version 2.7.0

Released: 25.05.2020

Summary

This release contains fixes for DTS4020 devices and improves the device editor performance.

Changes

- [Improvement] Lowered the editor memory consumption
- [Fix] Updated the DTS4020 plugin

Version 2.6.0

Released: 11.03.2020

Summary

This release contains fixes for DTS4020 devices and for IPv6 communication.

Changes

- [Improvement] Updated the editor compatibility for DTS4020 devices.
- [Fix] Fixed a bug that would prevent IPv6 connections when DHCPv6 is deactivated on the device
- [Fix] Updated the help document

Version 2.5.0

Released: 21.01.2020

Summary

This release adds support for DTS 4020 timebridges.

Changes

- [New] Added DTS 4020 timebridge device support
- [Improvement] Compatibility for DSS 2.12.2.x
- [Improvement] Multi device editor can now handle timezone fields
- [Fix] Device list search not finding devices when typing in certain search terms

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Version 2.4.0

Released: 16.07.2019

Summary

This release adds support for DTS 4150 master clocks and TZ slave devices.

Changes

- [New] Added DTS 4150 device support
- [New] Added TZI/TZO device support
- [Improvement] Added SNMP mode selection (V1, V2, V3) for some DTS devices
- [Improvement] Changed compatible MOBA-STC version to 2.2.0
- [Fix] Language selection is working again
- [Fix] Additional bugfixes

Version 2.3.2

Released: 23.05.2019

Summary

This release fixes bugs which affect the stability of firmware updates and device configuration editors.

Changes

- [Fix] Fixed device firmware update failing in certain cases when sending bootloader
- [Fix] Bootloader alarm text is now displayed correctly for slave devices
- [Fix] DSS configuration editor is now correctly processing alarm OIDs
- [Fix] Fixed an error message when opening the version information of DTS 4132 devices

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Version 2.3.1

Released: 17.04.2019

Summary

This release fixes bugs which affected usability of the timezone editor and some device configuration editors.

Changes

- [Fix] DTS 480x configuration editor now has a better compatibility for older device firmwares
- [Fix] "Synchronization timeout" field of some slave clocks can now correctly contain values from 1 to 255
- [Fix] Fixed error message when opening details of a timezone in timezone editor

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Version 2.3

Released: 04.04.2019

Summary

This release adds an internal installation of Java Runtime Environment to the application. Additionally, many small bugs were fixed.

Changes

- [New] Added an internal installation of Java to NMS. This removes the need to manually install Java on your computer before using NMS.
- [New] Added the new DTS4806 DCF Impulse mode
- [New] Removed obsolete "maintenance license" functionality
- [Improvement] Small redesign of the license manager to better reflect the current status of the license activation
- [Fix] DTS4160 editor now shows the correct value for the redundant link state field
- [Fix] DTS480x editor now shows the correct value for the line voltage dropdown field
- [Fix] Save button now only saves the currently opened editor instead of all opened editors
- [Fix] The password recovery screen is now always shown when the masterclock password is invalid
- [Fix] Application icon is now showing correctly for all resolutions (needs reinstallation of the application)
- [Fix] "Send firmware" button in firmware monitor now actually starts the firmware recovery mode

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Version 2.2.6

Released: 14.12.2018

Summary

This release adds support for the new DTS4806 device. It also contains updates for DTS4210 & DTS4160 plugins and many additional bugfixes.

Changes

- [New] Added support for the new DTS4806 device
- [New] Added "Synchronization timeout" parameter for to slave clocks which defines af-ter which amount of time with no sync a device will go to 12 oclock position
- [New] Added "last NTP time" information to slave clock device editor
- [Improvement] Updated DTS4210 & DTS4160 plugins for their new firmware versions
- [Improvement] Updated DTS4135 device plugin
- [Improvement] Hostname resolution now also works for devices which were added by IP and were never opened before

- [Fix] Fixed "Open" button of Switch Editor Basic
- [Fix] Fixed bug where sometimes masterclock device editor would not mark fields as in-valid when it's content is not valid
- [Fix] Fixed firmware updater rejecting firmware files of some slave devices as "invalid"
- [Fix] Removed version constraints of slave clock firmwares
- [Fix] Fixed many more bugs

Version 2.2.5

Released: 29.06.2018

Summary

This release updates the DTS4210 & DTS4160 plugins for the new version and adds a changelog viewer for new application updates.

Changes

- Updated DTS4210 & DTS4160 plugins for their new firmware versions
- Added a new changelog viewer which lists the changes to the previous versions when updating the application ("Help"->"Check for updates")
- Additional minor bugfixes

Version 2.2.4

Released: 04.06.2018

Summary

This release adds support for longer hostnames to DTS480x devices and changes the structure of the settings menu.

IMPORTANT: After this update, your DTS480x devices will need to be updated to the most recent firmware version.

Changes

- DTS480x now supports longer hostnames (Requires DTS update)
- Simplified the settings: Default settings are now in the user management and language settings are a separate field
- Updated SSH library
- Fixed many smaller bugs

Version 2.2.3

Released: 15.12.2017

Summary

This release improves the performance and the error handling of device configuration editors.

Changes

- Further performance improvements for Master Clock editors
- Improved error handling when editor runs out of resources
- Some minor bug fixes

Version 2.2.2

Released: 04.12.2017

Summary

This release is mainly a device editor performance improvement.

Changes

- Improved general performance when opening master clock editors, especially DTS4210

- Fixed bug where the auto update time would not be handled correctly

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Version 2.2.1

Released: 14.11.2017

Summary

This is a bugfix release which also adds an additional stratum settings field for DTS 4210 & 4160.

Changes

- Updated DTS4210 & DTS4160 plugins
- DSS plugin: Custom parameter improvement, settings page rework, translation fixes
- Bug fixes

Version 2.2.0

Released: 01.11.2017

Summary

This release has some major new functions (Switch Editor 3, DTS4210 & 4160 update, DSS update). Additionally, it improves the UI responsiveness when opening a device editor.

Changes

- Switch Editor 3 is now available over the context menu: ﷼Tools﷼ -> ﷼Switch Editor 3﷼
- You can now edit multiple devices at the same time
- Updated DSS plugin to support the new features (SNMP traps, email notifications﷼)
- Updated DTS4210 & DTS4160 plugins to support the new features
- Replaced the old help browser with a PDF document
- Improved UI responsiveness when opening a device editor

- Various bug fixes and improvements

Version 2.1.9

Released: 28.09.2017

Summary

This release adds a new button which exports all the log files to a .zip archive.

Changes

- Added a new function ﷺExport MOBA-NMS log filesﷺ which creates a .ZIP file with the recent log files (ﷺHelpﷺ -> ﷺExport MOBA-NMS log filesﷺ), useful when contacting support.

Version 2.1.8

Released: 22.09.2017

Summary

This release adds a new custom IP field to the multicast monitors and does some further bug fixes and updates.

Changes

- Added new field which allows to enter custom IP addresses in multicast monitors
- Updated DTS 4210 & 4160 plugins to support most recent updates
- Fixed some minor bugs

Version 2.1.7

Released: 23.08.2017

Summary

This release updates the DTS4210, DTS4160 and the DSS plugin and fixes some minor bugs.

Changes

- If LAG is activated on an interface, its secondary interface is now being greyed out (DTS4210/DTS4160)
- Updated DTS4210, DTS4160 & DSS plugins
- Fixed a context menu which pointed to the wrong function
- Fixed a wrong icon on the time zone monitor
- Minor bugfixes

Version 2.1.6

Released: 03.07.2017

Summary

This release fixes some bugs in the DTS4160 & DTS4210 plugins as well as in the DSS plugin.

Changes

- Fixed a bug where some fields in the configuration editor could not be set to a correct value
- Updated user manual
- Updated DSS plugin to newest version for the newest bugfixes and features
- Some minor bug fixes and text updates

Version 2.1.5

Released: 15.06.2017

Summary

This release fixes a problem with the editor of the DSS plugin.

Changes

- Fixed issues with MOBA-DSS configuration page in DSS plugin

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Version 2.1.4

Released: 31.05.2017

Summary

This release updates the DTS4210 & DTS4160 plugins and fixes some licensing issues.

Changes

- Fixed issues where licenses and maintenance licenses would not correctly be handled
- Updated DTS4210 & DTS4160 plugins for newest device update
- Updated DSS plugin for newest software update
- Fixed bug where users without device configuration write rights would not be able to see all device settings
- Added new user right for DSS configuration (separate from general configuration write right)
- Additional minor bug fixes

Version 2.1.3

Released: 28.04.2017

Summary

This release updates the DTS4210 & DTS4160 plugins.

Changes

- The status monitor now contains a dropdown field which defines the maximum number of displayed entries
- Updated device plugins for DTS4210 & DTS4160 for new firmware
- Updated DSS plugin to newest version of DSS

Version 2.1.2

Released: 31.03.2017

Summary

This release fixes some bugs in the new DTS4210 & DTS 4160 plugins.

Changes

- Fixed some bugs (DTS4210 & DTS4160)

Version 2.1.1

Released: 03.03.2017

Summary

This release adds a dialog to the update process when the maintenance license has already expired.

Changes

- Added error dialog to update process when maintenance license is not valid anymore
- Fixed bug where lock file would not be deleted after application update

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Version 2.1.0

Released: 01.03.2017

Summary

This release features the new DTS 4210 & DTS 4160. It's also the first release of MOBA-NMS Expert edition.

Changes

- New product edition "Expert" (first release, contains all-new device supervision service DSS)
- New plugin for DTS 4210 devices
- New plugin for DTS 4160 devices
- Added glossary to help
- Fixed bug where menus would not be displayed correctly

Version 2.0.2

Released: 03.02.2016

Summary

This is the first public release of MOBA-NMS v2.

Changes

- First release of version 2