



## MT Software Suite 4.5 - Public release notes

<b>New version</b>	<b>MT Software Suite 4.5; MTi FW 1.4.5; MTi 1-series FW 1.0.11</b>
Previous version	MT Software Suite 4.3 and 4.4 MTi FW 1.4.1/1.4.2, MTw/Awinda FW 2.0.8
Release date	Jan 18, 2016
Meaning of icons	+added, ^changed, !note, #fixed, -removed

### 1 Notes

Supported platform overview

<b>Software platform</b>	<b>Notes on support</b>
Windows XP	Last support in 4.2.1
Windows 7 32-bit	Officially supported
Windows 7 64-bit	Officially supported
Windows 8 64-bit	Tested, no official support
Windows 10 64-bit	Tested, no official support
Linux 32-bit	Officially supported
Linux 64-bit	Officially supported
Android ARMv7, Android 4.4.2 (API Level 19 and higher)	Available on request for limited devices, no official support

! *[MTSDK-3407]* The legacy mode will be removed from the MTi product range in future releases. In release 4.5 (this release), the Legacy mode is already deprecated.

! The MTw is no longer supported in MT SW Suite 4.5. The latest supported software release is SW Suite 4.2.1, available from [www.xsens.com](http://www.xsens.com).

## 2 Major improvements and features

### 2.1 Full support for MTi 1-series

- + [MTSDK-3202] Added MTi 1-series support in MT Software Suite
- + [MTSDK-3297] Added embedded example for MTi 1-series on [ARM® mbed™ website](#)
- + [MTSDK-3255, 3486] Added Firmware Update Library for embedded platforms
- + [MTSDK-3459] Added AutoStore and AutoGoToMeasurement flags

### 2.2 Firmware

- # [MKIVFW-25] A timing difference of 500us has been corrected for in the MTi MkIV
- ^ [MTSDK-3407] Legacy mode deprecated for MTi MkIV; normal mode is default mode for all products now
- ^ [MTSDK-3410] FreeAcceleration output improved after periods of excitation
- ^ [MTSDK-3512] Significantly improved accuracy of MTi-G-700 and MTi-G-710 during initialization and use of magnetic field

### 2.3 New Firmware Updater

- ^ [FWU-43] Firmware Updater retrieves firmware from Xsens firmware server, resulting in always the latest available firmware.

### 2.4 MT Manager

- + [MTSDK-3386] Beta—support for MTw2

## 3 Bug fixes

### 3.1 MT Manager

#### OutputConfiguration window

# [MTSDK-3222] In String Report Mode in the OutputConfiguration window, pressing OK will now correctly store the new settings

# [MTSDK-3402] Switching the radio button from String Report Mode to another mode in the OutputConfiguration Window now correctly switches the MTi to another mode.

# [MTSDK-3260] Opening OutputConfiguration window no longer triggers a GotoConfig

# [MTSDK-3376] Tick boxes in String Report Mode are now correctly checked after a rescan

#### MT Settings Window

# [MTSDK-3234, MTSDK-3351] Changing the LocationID together with other changes no longer results in discarding the LocationID change

# [MKIVFW-21] After a revert, the onboard filter box in MT Settings no longer is empty.

# [MTSDK-3347] After a revert, the "Write to MT" button is now correctly greyed out.

# [MTSDK-3403] When a file is loaded, "Save and Load Settings" buttons

# [MTSDK-3364] Now possible to Save and Load Settings with the MTi-1/MTi-10/MTi-100 IMUs

# [MTSDK-3330] Empty Sync Settings on an MTi are now correctly set via a Load Settings procedure

# [MTSDK-3352] Changing the baud rate can no longer result in an undetectable Motion Tracker

# [MTSDK-3346] After a Load Settings procedure, the settings are now immediately visible in the MT Settings window

#### Other MT Manager bug fixes

# [MTSDK-3477] When trying to save a file with the same name, MT Manager now issues a warning.

# [MTSDK-3469] Exporting a file no longer exports TriggerIn (which is not supported any more).

### 3.2 Firmware

# [MKIVFW-27] GPGGA output is correct (MTi-G-700)

# [MKIVFW-29, MTSDK-2670] Trying to store an orientation reset when the MTi-G-700 has a GPS fix will no longer result in a failure to store the orientation reset

# [MKIVFW-22] The magnetometer output will no longer flip polarity when saturated

# [MTSDK-3294] Sample mixer now correctly subtracts gyroscope bias.

### 3.3 Software Development Kit (SDK)

# [MTSDK-3354] Source code example (cpp) now compiles correctly

# [MTSDK-3337] Error fixed with loading libgui\_helpers in MFM SDK for Linux

# [MTSDK-3353] MFM DLL example now points to the correct C++ iso cpp.

# [MTSDK-3340] MATLAB example now longer shows a warning when showing graphs.

# [MTSDK-3424] Updated documentation on setObjectAlignment, use setAlignmentRotationMatrix for MTi MkIV

## 4 Minor updates

^ [MKIVFW-28, [MTSDK-3407] Default output configuration mode is Normal Mode (no longer Legacy Mode)

- [MTSDK-3267] There is no need for a serial key anymore when installing or using the MT Software Suite

+ [MTSDK-3298] XsResetMethod added in COM interface

+ [MTSDK-3338] Added readme for Linux MFM application

+ [MTSDK-3397] Created custom filter profile without AHS ([support@xsens.com](mailto:support@xsens.com)).

+ [MTSDK-3391] Updated FTDI drivers for CA-USB#-MTi and MTi-1-series.

+ [MTSDK-3362] MT SW Suite Installer now makes use of the Advanced Installer.

^ [MTSDK-3403] Networkscanner for Xsens MVN disabled by default in XDA and MT Manager reduces CPU load significantly.

^ [MTSDK-3441] MT Manager no longer shows warning when using Data Viewers

^ [MTSDK-3448] New license agreement for MT SW Suite

- [MTSDK-3383] Removed several menu options, e.g. Show/Hide Toolbars

^ [MTSDK-3468] Default delimiter in the ASCII exporter is now "empty"

+ [MTSDK-2924] Added data pointer in MT Manager graphs.

+ [MTSDK-3159] Updated World Magnetic Model in MTi Firmware to WMM2015

## 5 Known issues

- XDA-processing in COM-object does not work. This will be solved in the next release, beta version available upon request.
- [MTSDK-2871] When a wireless connection has been created, disabling the radio causes MT Manager to freeze
- [MTSDK-2908] Orientation of MTw may be unreliable after long period of outage (buffer overflow)
- [MTSDK-2841] SampleTimeFine cannot be disabled in exporter
- [MTSDK-3233] Warning log in MT Manager indicates missed packets when using MTi-G-700 in legacy mode, although all data is received.
- [MTSDK-3345] Data in graphs are sometimes not shown when setting display preference to "as fast as possible".
- [MTIONE-90] When using the software with RS485-compatibility disabled (in XDA, GUI-components of the SW Suite), it may be needed to scan multiple times to connect the MTi 1-series. This is most prominent in the Magnetic Field Manager and XDA.
- [MTSDK-3173] Uninstalling the MT Software Suite may sometimes result in the error: "The specified account already exists". Use the FixIt app from Microsoft to uninstall the MT SW Suite.
- [FWU-119] Command line options of Firmware Updater in Linux do not work in this release. An update of the graphical toolkit is required.