



MT Software Suite 4.8 – Release notes (rev1)

New version	MT Software Suite 4.8; MTi-G-700/710 MTi MkIV FW 1.7.3; MTi-G-710 5th generation FW 1.7.2; MTi 10/100-series FW 1.7.2; MTi 1-series FW 1.2.1;
Previous version	MT Software Suite 4.7 MTi 10/100-series FW 1.5.1 MTi 1-series FW 1.1.1
Release date	July 5 th , 2017; August 8 th , 2017 (FW 1.7.3)
Meaning of icons	+added, ^changed, !note, #fixed, -removed

1 Notes

Revision 1 of these Release Notes is created as a bug appeared in FW 1.7.2 of the MTi-G-700 (MTi-G DID's ending with 4 last digits lower than 1000, e.g. 0770546).

#[MKIVFW-126] Fixed a bug in the MTi-G-700 where orientation is no longer outputted as soon as the GPS receiver acquired the signal. This patch has no impact for MTi-G-710 devices.

Supported platform overview:

Software platform	Notes on support
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 (Ubuntu 16.04)	Officially supported
Linux 64-bit (Ubuntu 16.04)	Officially supported

![MTSDK-3407] The legacy mode will be removed from the MTi product range in future releases. As of release 4.5 (18th January, 2016), the Legacy mode has been deprecated.

![FWU-183] The next firmware upgrade will be the last firmware upgrade for the 4th generation MTi.

2 Improvements and features

2.1 5th generation MTi

+![MTSDK-3958,MTSDK-3685, MKIVFW-103] Added 5th generation MTi support, see BASE.xsens.com.

+![MKIVFW-94, MKIVFW-77, MKIVFW-62] Added 1 PPS synchronization functionality for MTi-G-710 (5th generation only)

-![MKIVFW-105, MTSDK-4002] 5th generation MTi's no longer support legacy mode

2.2 MTi 1-series

+![MTSDK-3231] Added UTC time input and output to 1-series firmware

#![MTSDK-4001] Added higher baud rates to Low Level Communication Protocol Documentation

2.3 MTi 100-series

+![MKIVFW-100, MTSDK-3998] Calibrated Acceleration and Rate of Turn measurements available at 1 kHz

2.4 MTi-G-7xx

+*[MKIVFW-116, MTSDK-3982]* Added possibility to change navigation platform settings of GNSS module
+*[MKIVFW-100, MTSDK-3998]* Calibrated Acceleration and Rate of Turn measurements available at 1 kHz

2.5 MT Manager

-*[MTSDK-3974]* Removed unused/unnecessary sync options from GNSS clock input
^*[MTSDK-3231]* Full path and filename in MT Manager is now shown

3 Bug fixes

#*[MTSDK-3957, MTSDK-3975]* Fixed bug with onLiveDataAvailable event handler, this caused the MATLAB example to not work properly.

#*[MTIONE-154]* Fixed a bug where the MTi-1 could sporadically reset upon going to measurement

#*[MKIVFW-95]* ASCII exported file no longer shows a GNSS flag high bit when there is no GNSS availability

#*[MKIVFW-109]* Solved situation where MTi would crash when outputting all NMEA strings at 400 Hz

#*[MKIVFW-104]* MTi-G-710s with SendLatest setting no longer outputs old UTC timestamps with new data packets.

#*[MFM-43]* Magnetic Field Mapper now correctly uses sensor alignment matrix

4 Known issues

- *[MTSDK-3936]* UART example on mbed does not work properly due to change in mbed version
- *[MTSDK-3988]* C Runtime component not installed, resulting in MT Manager and Magnetic Field Mapper not running. See <https://base.xsens.com/hc/en-us/articles/115002310609> for instructions on how to install the C Runtime component via Windows Update.
- There may be an error when running MT Manager on Linux that libicu52 cannot be found. The library can be downloaded here. <http://packages.ubuntu.com/trusty/amd64/libicu52/download>