



## MT Software Suite 4.5.6 beta - release notes

<b>New version</b>	<b>MT Software Suite 4.5.6 beta; MTi 10/100-series FW 1.4.10 beta; MTi 1-series FW 1.0.14 beta; MTw2/Awinda FW 4.0.2 beta</b>
Previous version	MT Software Suite 4.5.4 beta MTi 10/100-series FW 1.4.6 beta MTi 1-series Firmware 1.0.12 MTw/Awinda FW 4.01 beta
Release date	May 20, 2016
Meaning of icons	+added, ^changed, !note, #fixed, -removed

### 1 Notes

<sup>[MTSDK-36005]</sup> As the filter profiles for the MTi 1-series are now different from those of the MTi 10-series and 100-series, the filter profile naming and filter profile numbering has changed. See the table in section 2.1.

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

## 2 Major improvements and features

This release has improved inclination performance for the MTi 1-series and further support and documentation for MTw2.

### 2.1 MTi improvements

^[MTSDK-1813] High gyro bias is no successfully estimated

+ [MKIVFW-35] BeiDou support added to the MTi-G-710

^[MTSDK-3672, MTSDK-3672, MTSDK-3528] Stillness detector improvements result in higher performance for gyro bias estimation functionality

### 2.2 Improved MTi 1-series performance

^[MTSDK-3605] Create designated filter profiles for 1-series to enable better sensor-specific tuning. This changes the filter profile naming and numbering.

Filter profiles SW Suite 4.5.2 beta (all MTi products)	Filter profiles SW Suite 4.5.4 beta (MTi 1-series)	Filter profiles SW Suite 4.5.4 beta (MTi 10/100-series)
General (#39)	General (#50)	General (#39)
High_mag_dep (#40)	High_mag_dep (#51)	High_mag_dep (#40)
Dynamic (#41)	Dynamic (#52)	Dynamic (#41)
Low_mag_dep (#42)	North_reference (#53)	Low_mag_dep (#42)
VRU_general (#43)	VRU_general (#54)	VRU_general (#43)

^[MTSDK-3587] MTi-1 series Low\_mag\_dep filter profile replaced with North\_reference filter profile

^[MTSDK-3592] MTi-1 series inclination performance improved

### 2.3 MTw2 support

+ [MTSDK-3568, MTSDK-3577, MTSDK-3595] Documentation updated for MTw2

## 3 Bug fixes

### 3.1 General fixes

# [MTSDK-3586] Fixed delimiter at the end of exported row in ASCII files

# [MTSDK-3644] Fixed bias estimation status bits

# [MTSDK-3582] Updated application framework for MT Manager prevents crashing of graphs

### 3.2 MTw2 fixes

# [MTSDK-3573] Corrected Sampletimelfine for MTw2

# [MTSDK-2841] Sampletimelfine is no longer exported in ASCII files for legacy MTw (not supported)

+ [MTSDK-1122] FW and HW version information for Awinda station dongle devices are now correctly shown in the Device List

^[MTSDK-821] Improved selection of update rate for MTw in MT Manager

^[MTSDK-1124] The Synchronization Options dialog is now more robust for Awinda systems

# [MTSDK-3533] Restored orientation/filter output for legacy MTw

## 4 Known issues

- [MTSDK-3345] Data in graphs are sometimes not shown when setting display preference to "as fast as possible".
- [MTSDK-3363] XDA processing with SCR data does not work (MTi 10/100-series)
- [MTSDK-3349] Clicking Revert in the MT Settings dialog will place MTi 10-series/100-series in Config Mode. Press Rescan to place the MTi back in Measurement mode.
- [MKIVFW-39] NMEA GPGGA decimals under 10 are not correct.
- [MTSDK-3690] ASCII-exporter sometimes results in a crash