

MT Software Suite 4.1 Public release notes

New version	MT Software Suite 4.1; FW 1.2.0
Previous version	MT Software Suite 4.0; FW 1.0.0
Release date	18 December 2012

These release notes contain details for the release of MT Software Suite 4.1

1. Notes

- Use your serial key for MT Software Suite 4.0 or MT SDK 3.x to install MT Software Suite 4.1
- The MTi-G-700 is supported as from revision 4.1 of the MT Software Suite.
- MT Software Suite 4.1 includes a firmware updater for MTi 10-series and MTi 100-series. It is highly recommended to upgrade firmware to the latest firmware version.

2. Major improvements and features

- Support for MTi-G-700
- Synchronization options added for MTi 10-series and MTi 100-series
- Improved handling of graphs in MT Manager
- Implemented more robust communication

3. Bug fixes

- MATLAB example repaired
- Improved magnetometer sampling and signal processing (more robust)
- SetNoRotation correctly implemented in all products
- Orientation resets are now correctly implemented

4. Minor updates

- Improved GUI of MT Manager
- Correct labels for quaternions in MT Manager and ASCII Exporter
- Onboard WMM 2010-2015: magnetic declination based on stored position or real-time position (MTi-G-700)
- Restore communication added for RS422 devices
- Added public source code
- Improved file loading into MT Manager

5. Known issues

- Erratic Firmware Update error 19 → repeat FW Update to solve error
- MTi sometimes not found by MT Manager in USB mode
- Magnetic Field Mapper is based on MATLAB → takes long time to compute
- Serial data viewer in MT Manager is not implemented

- Installation of MT Software Suite and sensors in Windows XP:
 - Error on opening MT Manager
 - MTi devices need to be installed manually via Device Manager
- MTi-10 IMU and MTi-100 IMU: when loading a file, MT Manager prompts user to choose filter profile (unavailable for MTi-10 IMU and MTi-100 IMU).