

Release notes

New version	MT SDK 3.3, MT FW 2.6.1
Previous version	MT SDK 3.2.4, MT FW 2.5.1
Release date	November 17th, 2010

1. Introduction:

These release notes contain details for the MT SDK and firmware release.

2. Notes

- If you are using MT SDK 2.x or earlier, please request a new serial key to install and use MT SDK 3.x.
- MT SDK 3.x is not backwards compatible with Xsens devices with Firmware version 1.x.

3. Bug fixes

MTi-G firmware:

- Altitude initialization no longer arbitrary

MagField Mapper:

- Bug solved: offline procedure is working again

4. New features

General:

- Built-in self test (BIT) supported in all levels of CMT for all products. Results stored in eMTS.
- Support for higher output frequencies of orientation data for MTi and MTx
 - Specified: 256 Hz for onboard processing (was 120 Hz)
 - Beta: 350 Hz for onboard processing (via serial messages)
- Support for higher output frequencies of orientation data for MTi-G
 - Specified: 120 Hz for onboard processing
 - Beta: 170 Hz for onboard processing (via serial messages)
- Support for HW 1.5 Motion Trackers
- Improved support under Windows 7

Firmware:

- AnalogIn and processed data allowed to be outputted together

XKF:

- XKF-6: better modelling of barometric altitude baseline, overall better altitude estimates when using baro enabled XKF scenarios
- XKF-6: improved modelling of GPS data, improves position estimates
- XKF-3: improved behaviour under transient accelerations, improved attitude accuracy

MT Manager:

- Improved user interface on batch exporter
- Possible to use SyncIn with periods > 2.5 seconds in MT Manager (triggered time out before)