

# Release Notes

## MT Software Suite 2019

Author: Product Manager

Date: January 31, 2019



### 1 About this release

This document details the MT Software Suite release for the complete MTi portfolio.

**Table 1: Overview of the MTi Product Portfolio**

Product Family	Product versions	Generation	Status
1-series	MTi-1 (IMU) MTi-2 (VRU) MTi-3 (AHRS) MTi-7 (GNSS/INS)	V2	Active; Tested and supported with this release
10-series	MTi-10 (IMU) MTi-20 (VRU) MTi-30 (AHRS)	5 <sup>th</sup> generation	Active; Tested and supported with this release
100-series	MTi-100 (IMU) MTi-200 (VRU) MTi-300 (AHRS)	5 <sup>th</sup> generation	Active; Tested and supported with this release
	MTi-G-710 (GNSS/INS)	5 <sup>th</sup> generation	Active; Tested and supported with this release

**Table 2: Release versions**

Release component	Product applicability	New version	Comments
MT Manager	MTi Product Family (Table 1)	<b>2019.0.1</b>	
Firmware Updater	MTi Product Family (Table 1)	<b>4.2.6</b>	
Magnetic Field Mapper	VRU, AHRS and GNSS/INS products	<b>2019.0.1</b>	

### 2 Notes

A new ROS node is available and supported by Xsens. It can be found in the MT SDK folder of the MT Software Suite (Linux only).

### 3 Compatibility

**Table 3: Release versions**

Software platform	Notes on support
Windows 10 64-bit	Tested and officially supported
Linux 64-bit (Ubuntu 16.04)	Tested and officially supported

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Windows 7 64-bit	Checked, no official support
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## 4 Bug fixes, improvements and features

This section details the list of issues tackled in this release for the release components of MT Software Suite 2019 (Table 4) and the Magnetic Field Mapper (Table 5).

**Table 4: MT Software Suite 2019**

Improvements & features	
Improvement	<a href="#">MTSDK-4249</a>
Improvement	<a href="#">MTSDK-4280</a>
Improvement	<a href="#">MTSDK-3562</a>
Improvement	<a href="#">MTSDK-3915</a>
New Feature	<a href="#">MTSDK-4444</a>
New Feature	<a href="#">MTSDK-4160</a>
Improvement	<a href="#">MTSDK-4195</a>
Improvement	<a href="#">MTSDK-3960</a>
Improvement	<a href="#">MTSDK-4235</a>
Improvement	<a href="#">MTSDK-4237</a>
Improvement	<a href="#">MTSDK-4251</a>
Improvement	<a href="#">MTSDK-4261</a>
New Feature	<a href="#">MTSDK-4107</a>
Improvement	<a href="#">MTSDK-4244</a>
New Feature	<a href="#">MTSDK-4390</a>
New Feature	<a href="#">MTSDK-4398</a>
New Feature	<a href="#">MTSDK-4424</a>
New Feature	<a href="#">MTSDK-4202</a>
New Feature	<a href="#">MTSDK-4295</a>
Improvement	<a href="#">MTSDK-4207</a>
Improvement	<a href="#">MTSDK-4209</a>
Improvement	<a href="#">MTSDK-4230</a>
Improvement	<a href="#">MTSDK-4086</a>
Improvement	<a href="#">MTSDK-3908</a>
Improvement	<a href="#">MTSDK-4299</a>
Improvement	<a href="#">MTSDK-4309</a>
Improvement	<a href="#">MTSDK-4435</a>
Improvement	<a href="#">MTSDK-3548</a>
New Feature	<a href="#">MTSDK-4302</a>
New Feature	<a href="#">MTSDK-4307</a>
Improvement	<a href="#">MTSDK-3682</a>
Improvement	<a href="#">MTSDK-3739</a>
Improvement	<a href="#">MTSDK-2953</a>
Improvement	<a href="#">MTSDK-4262</a>
Improvement	<a href="#">MTSDK-4049</a>
New Feature	<a href="#">MTSDK-3977</a>
New Feature	<a href="#">MTSDK-4011</a>
New Feature	<a href="#">MTSDK-4106</a>
Improvement	<a href="#">MTSDK-3911</a>
Improvement	<a href="#">MTSDK-4077</a>
MT SDK & MFM Examples: Added support for GNSS output, improved and several updated	
Synchronization options: added MTi-7 support, added pulse width limits	
MT Manager: Many small improvements and new features, among which: - new icons for all buttons - Gyro Bias Estimation window	
MT Manager Plots: added sensor temperature plot	
Linux: improvements for installer	
Exporter: improvements	
Public XDA: first release and improvements on existing XDA	
MT SDK: removed support for Legacy devices and support for Python 3.6 and 3.7	

### Bug Fixes

Bug	<a href="#">MTSDK-3239</a>
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Bug	<a href="#">MTSDK-4477</a>	MT SDK Examples: Fixed several compile warnings and inconsistencies
Bug	<a href="#">MTSDK-4268</a>	
Bug	<a href="#">MTSDK-1126</a>	Synchronization options: Fixed behavior of voltage line indicator
Bug	<a href="#">MTSDK-4037</a>	MT Manager: several small bug GUI fixes
Bug	<a href="#">MTSDK-4417</a>	
Bug	<a href="#">MTSDK-4391</a>	
Bug	<a href="#">MTSDK-4052</a>	
Bug	<a href="#">MTSDK-4164</a>	
Bug	<a href="#">MTSDK-4180</a>	MT Manager plots: several small bug fixes
Bug	<a href="#">MTSDK-4340</a>	
Bug	<a href="#">MTSDK-4198</a>	
Bug	<a href="#">MTSDK-4175</a>	Linux: small bug fix where sensor stayed in config mode
Bug	<a href="#">MTSDK-4153</a>	
Bug	<a href="#">MTSDK-4213</a>	FTDI: fixed small bugs
Bug	<a href="#">MTSDK-4217</a>	

**Table 5: Magnetic Field Mapper**

<b>Improvements &amp; features</b>		
Improvement	<a href="#">MFM-65</a>	Improved MFM feedback and device support
Improvement	<a href="#">MFM-67</a>	
Improvement	<a href="#">MFM-71</a>	
Improvement	<a href="#">MFM-77</a>	
New Feature	<a href="#">MFM-58</a>	
New Feature	<a href="#">MFM-70</a>	
<b>Bug Fixes</b>		
Bug	<a href="#">MFM-35</a>	Fixed several bugs in the MFM application
Bug	<a href="#">MFM-52</a>	
Bug	<a href="#">MFM-64</a>	
Bug	<a href="#">MFM-69</a>	

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### 5 Product overview and current status

This section reports in Table 6 the relative release status of all the MTi product components.

**Table 6: Complete list of product series and their release status**

Components	Product applicability	Stable version	Beta version	Comments
Firmware	10-series 100-series	<b>1.10.0</b>	-	5 <sup>th</sup> generation
	MTi-G-710	<b>1.10.0</b>	-	5 <sup>th</sup> generation
	MTi-1 MTi-2 MTi-3	<b>1.4.0</b>	-	Compatible with MTI 1-series v2
	MTi-7	<b>1.4.0</b>	-	Compatible with MTI 1-series v2
Firmware Updater	Firmware Updater	<b>4.2.6</b>	-	
MT Software Suite	MT Manager	<b>2019.0.1</b>	-	2019.0.1 is latest release
	MT SDK	<b>2019.0.1</b>	-	2019.0.1 is latest release
	Magnetic Field Mapper (SDK)	<b>2019.0.1</b>	-	2019.0.1 is latest release