Release Notes

Firmware MTi-670 v1.1.2, MTi-7 v1.5.13

Author: Product Manager
Date: Oct, 2019

1 About this release

This document describes new **beta** firmware releases for the GNSS devices within the MTi 1-series, MTi-100 series and MTi 600-series devices.

2 Deliverables

Table 1: Deliverables

Product Family	Product types	Generation /HW version	FW version	Comments
MTi 1-series	MTi-1 (IMU) MTi-2 (VRU) MTi-3 (AHRS)	V2	-	
	MTi-7 (GNSS/INS)	V2	**1.5.13-beta**	
MTi 10-series	MTi-10 (IMU) MTi-20 (VRU) MTi-30 (AHRS)	5th generation	-	
MTi 100-series	MTi-100 (IMU) MTi-200 (VRU) MTi-300 (AHRS)	5th generation	-	
	MTi-G-710 (GNSS/INS)	5th generation	**1.11.12-beta**	
MTi 600-series	MTi-610 (IMU) MTi-620 (VRU) MTi-630 (AHRS)	V1	-	
	MTi-670 (GNSS/INS)		**1.1.2-beta**	

3 Tested with

Table 2: Overview of the tested + supported products

Product	Component	Version	Comments
MT Software Suite	MT Manager, MT SDK, Magnetic Field Mapper, MFM SDK ROS node	**2019.3.2-beta**	Released together with these beta firmwares
Firmware Updater		4.2.7	Latest stable version, downloadable from the Xsens website

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4   Bug fixes, improvements and features
This section details the list of issues that are contained in this release.

Table 3: Firmware

Improvements & features		
Feature	MTi600-77 MTONE-313	Added support to MTi-670 and MTi-7 for the uBlox ZED family GNSS receivers
Feature	MTi600-79	Added support to MTi-670 and MTi-7 for the uBlox NEO family GNSS receivers
Feature	MTi600-99	Added orientation smoother for MTi-670
Improvement	MTi600-157	MTi-670 now supports output of GNSS satellite info
Improvement	MKVFW-80	Updated WMM model to 2015v2 for MTi 100-series
Feature	MKVFW-84	MTi-G-710 can now initialize to a user-specified heading value
Improvement	MTONE-318	Updated WMM model to 2015v2 for MTi 1-series

5   Current product overview
This section lists all the products and their current stable and beta versions.

Table 4: Complete list of products and their current versions

Deliverable	Product(s)	HW version	Current *stable* version	Current *beta* version	Comments
Firmware	MTi-1 MTi-2 MTi-3	V2	1.4.0	1.5.2	
	MTi-7	V2	1.4.0	**1.5.13**	
	MTi-10 MTi-20 MTi-30	5th generation	1.10.0	1.11.2	
	MTi-100 MTi-200 MTi-300	5th generation	1.10.0	1.11.2	
	MTi-G-710	5th generation	1.10.0	**1.11.12**	
	MTi 610 MTi 620 MTi 630	V1	1.0.0	-	
	MTi 670	V1	1.0.0	**1.1.2**	
Firmware Updater	for all Xsens devices		4.2.7	-	
MT Software Suite	MT Manager MT SDK (incl. ROS node driver) Magnetic Field Mapper MFM SDK		2019.2	**2019.3.2**	

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