

Release Notes

Stable firmware for MTi 600-series

Author: Product Manager

Date: May 2021

Xsens Technologies B.V.

T + 31 88 973 67 00

F + 31 88 973 67 01

E info@xsens.com

Pantheon 6A

P.O. Box 559

7500 AN Enschede

The Netherlands

www.xsens.com

1 About this release

This document describes a new **Stable** release for firmware of the MTi 600-series.

2 Deliverables

Table 1: Deliverables

Release component	Product applicability	New version	Last stable version	Comments
Firmware	Xsens MTi-680G	1.6.0	1.5.0	For MTi-680G only
Firmware	Xsens MTi-610, MTi-620, MTi-630, MTi-670	1.6.0	1.0.0	
Firmware	Xsens MTi-610R, MTi-620R, MTi-630R, MTi-670G	1.6.0	-	New product release

3 Bug fixes, improvements and features

New features, improvements and bug fixes compared to the last stable release

Table 2 List of issues for MTi 600-series firmware

Bugs, Improvement & Features	Reference	Comments
Improvement	MTI600-285	\$GGA is now outputted through the 4-pins connector (MTi-680G only)
Improvement	MTSDK-4882, MTI600-252	Updated filter profiles with improved performance (MTi-670 and MTi-680G)
Improvement	MTI600-276	Added quality indicator and station ID to GPGGA output (MTi-680G)
Improvement	MTI600-266	Update to WMM2020
Improvement	MTi600-210	Added MTi 600-series support to ReqDeviceCapabilities
Improvement	MTI600-177	Added prevention of setting double CAN IDs in firmware
Feature	MTI600-77	Added support to MTi-670 for the uBlox ZED family GNSS receivers
Feature	MTI600-79	Added support to MTi-670 for the uBlox NEO family GNSS receivers
Feature	MTI600-99	Added orientation smoother for MTi-670
Feature	MTI600-106	Added In-run Compass Calibration (ICC)

Release Notes

Stable firmware for MTi 600-series

Author: Product Manager

Date: May 2021

Xsens Technologies B.V.

T + 31 88 973 67 00

F + 31 88 973 67 01

E info@xsens.com

Pantheon 6A

P.O. Box 559

7500 AN Enschede

The Netherlands

www.xsens.com

Feature	MTI600-124	Added stillness detection to Manual Gyro Bias Estimation
Feature	MTI600-157	MTi-670 now shows GNSS Satellite info
Bug	MTI600-208	Fixed StartSampling registers triggers while in Config mode
Bug	MTI600-182	Fixed unable to set NED or NWU format with Free Acceleration
Bug	MTI600-279	Fixed unresponsiveness of MT Manager with baudrate of 57k6 after some time
Bug	MTI600-136	Fixed GnsPVTDData not waiting for start sampling trigger
Bug	MTI600-179	Fixed unresponsive SyncOut pulse configuration
Bug	MTI600-341	Fixed rejection of RTCM messages larger than 255 bytes
Bug	MTI600-370	Fixed differences in orientation results between onboard processing and XDA processing