



**xsens**

# Product Change Notification

**MTi-G-700**

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## 1 Purpose

This is a Notification (PCN) to customers that announces a Product Change (incl. product code) for the following parts as of the dates mentioned in section 2:

- **MTi-G-700 GPS/INS**
- **ANT: GPS Antenna for MTi-G-700**

## 2 Milestones and dates

Milestone	Definition	Date
Product Change Notification	This document that describes the affected products, schedule and alternatives.	<b>May 20, 2015</b>
Last Shipment	Final date that the affected products will be shipped	Not applicable: MTi-G-700s can still be ordered (lead times will increase after <b>July 1, 2015</b> )
First shipment of replacement product	The date when the replacement product (MTi-G-710) can be ordered and shipped.	<b>June 15, 2015</b>



### 3 Alternative products

Xsens provides the PCN for the MTi-G-700 as the GPS receiver in the MTi-G-700 will be upgraded to a multi-GNSS receiver (GPS, GLONASS and in the future also QZSS and BeiDou (Compass)). The replacement product that features this multi GNSS receiver is:

- **MTi-G-710 GNSS/INS**
- **ANT-P: GNSS Antenna for MTi-G-710 (GPS and GLONASS)**
- **ANT-MULTI: GNSS Antenna for MTi-G-710 (GPS, GLONASS and BeiDou)**

The MTi-G-710 is drop-in replaceable with the MTi-G-700, both in hardware and software, provided that you use Xsens' sensor fusion algorithms for processing. The MTi-G-710 is supported from MT Software Suite v4.3.

The GPS antenna of the MTi-G-700 (ANT) does work with the MTi-G-710. However, to benefit from the new functionality of the MTi-G-710, it is advised to switch to the GLONASS/GPS antenna tested for the MTi-G-710 (ANT-P). The MTi-G-710 can also be shipped with ANT-MULTI, which supports BeiDou as well. The MTi-G-710 does not yet support BeiDou though.

Robustness of the MTi-G-710 in GNSS-challenged conditions has improved. Also, altitude is now also available as "Height above MSL".

#### 3.1 Notes on compatibility

1. As the MTi-G-710 processes data from multiple constellations, the message containing GPS PVT data has now been replaced with GNSS PVT data, which results in a larger message and slightly different data fields. However, with the latest MT Software Suite v4.3, the output of the sensor fusion algorithm is identical, both on the MTi-G as well as in the Xsens Device API (XDA). For more details, see the MT Low-Level Communication Protocol Documentation.
2. The GPS/GLONASS/BeiDou antenna (ANT-MULTI) has a different size (smaller footprint and marginally higher) and lacks mounting holes.



ANT/ANT-P: 45x51x12 mm



ANT-MULTI: 38x38x14 mm

### 4 More information

When orders with MTi-G-700 can no longer be delivered from stock, the Xsens sales team or distributor will contact you to change the order to MTi-G-710 and ANT-P/ANT-MULTI.

ANT-P is priced at 80 Euro or 90 USD  
ANT-MULTI is priced at 90 Euro or 100 USD.

In the event that you need assistance or require more information, please contact Xsens or your distributor: [www.xsens.com](http://www.xsens.com) or [www.xsens.com/en/support](http://www.xsens.com/en/support)