

Xsens DOT

Firmware Changelogs

Author: Product Manager
Last updated: August 24, 2020
Document: XD0207P



| Symbol | Meaning |
|--------|---------|
| + | Added |
| ^ | Changed |
| ! | Note |
| # | Fixed |
| - | Removed |

Version 1.4.0

Release date: August 24, 2020

Release type: Stable

Compatible App and SDK versions: 2020.2

- + Added notification when entering power saving mode in connection mode.
- + Support 4 new payload modes with both sensor fusion and inertial data.
- + Added recording function to enable data recording and exporting with sensor internal storage.
- + Added synchronization function to have the time-synced data.
- + Added serial number support.
- ^ Battery shelf life has been improved.
- ^ Changed all the big endianness settings to little endianness.
- ^ Improved the filter profile to reduce the heading drift after fast movement.
- Removed the UUID in advertisement packet.
- # Removed the 2nd notification when starting OTA in uncharged status.
- # Fixed the NaN value output after sensor disconnect and connect again in real-time streaming.
- # Fixed the wrong angular velocity and acceleration output in Delta quantities and Rate quantities modes.

Version 1.3.0

Release date: April 24, 2020

Release type: Beta

Compatible APK and SDK versions: 2020.1

- ^ Introducing 12 new measurement modes with support to different measurement quantities to reduce payload demands on BLE transmission.
- ^ The device's Bluetooth transmit power has been increased.
- ^ The transmit buffering has been increased to cope with any transient data loss.
- + Euler angles, delta_q, delta_v, angular velocity and acceleration data quantities have been added to the data output options.
- + Heading reset feature support.
- + Support for saving firmware crash logs has been added.
- + Xsens Bluetooth company ID.
- Support to FW v1.0.0 'Default' measurement mode has been removed.
- # Firmware crash associated with a packet counter reset has been fixed.

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- # Fixed the issue where OTA could not be started after heat protection kicked in.
- # Reset issue of sensor fusion filter upon starting measurement has been fixed.