XSENS

Release notes MVN
2020.0

MVN 2020.0 release notes

New versions	**MVN: 2020.0 (April 2020)** Awinda firmware: **(unchanged)** 　　　　AW-A2 v4.4.0, AW-DNG2 v4.4.0, MTw2 v4.4.0 Link firmware: **(unchanged)** 　　　　BPACK v1.2.0, MTx2 v1.2.0 FWU: 4.2.**7** (4.2.6 also still works fine)
Previous versions	MVN: 2019.2.1 (Dec 2019) Awinda firmware: AW-A2 v4.4.0, AW-DNG2 v4.4.0, MTw2 v4.4.0 Link firmware: BPACK v1.2.0, MTx2 v1.2.0 FWU: 4.2.6
Release date	April 2020
Operating system	Windows 10, 64-bit
Meaning of icons	+added, ^changed, !note, #fixed, -removed

1 Introduction

This document describes the new features, improvements and bug fixes in the new release of Xsens MVN Analyze/Animate 2020.0.

NOTE: this release does *not* require a firmware update of your MVN Link/Awinda system. You can keep using the firmware of the previous release: Xsens MVN 2019.2(.1).

2 Major improvements and new features

2.1 MVN

+ HTC Vive position aiding added

+ HTC Vive Object tracking added

+ GNSS single-level scenario added

+ GNSS multi-level scenario added

+ Network Sync functionality added (XML and Json)

+ multi-processor parallel batch processing implemented

+ elbow and wrist span added as new body dimension input options

+ translations for Japanese and Korean language added

^ updated to new Xsens branding

^ alternative for SoftAccessPoint (SoftAP) implemented

^ improved ROBR interface for multi-actor

2.2 Firmware

No new firmware updates in this release.
But it is required to upgrade the firmware of the different components to the latest versions to enjoy the latest features in MVN.
Download the Firmware Updater (FWU) from the Xsens website.

3 Bug fixes

3.1 MVN

\# GNSS plot window no longer opens when files does not have GNSS data.

\# able to export very large files in Excel format

\# FBX export now handles dot (".") in file names

\# Command-line export now also supports exporting *from* mvnx files

\# C3D export now adds Shoulder points

\# Special characters possible in character names

\# Calibration from selection more stable

\# After having used GNSS, switching to Awinda shows all scenarios again

\# Heel contact works with extra shoe thickness

\# MVN no longer crashes when inserting or unplugging HDMI cable

\# MVN no longer crashes when the PowerPoint presentation being set into full screen

\# Added the delay in the 'hands-off' calibration also for clicking 'Apply' at the end of calibration

\# Contacts now show up in Multilevel HD reprocessed MVN files

\# "Use GNSS" checkbox in Import OBR no longer deletes body dimensions

\# Progress bar of batch export of MVNX file now shows actual progress

\# Link to Tutorial video about OBR Calibration works again

\# BVH export: Prop Data Offset corrected

4 Minor updates

4.1 MVN

Additional options added to command-line exports

Improved Excel exporter memory performance

UDP command now also allows Axis Reset

Command-line batch export implemented

Contact points added on the Pelvis (pRightASI and pLeftASI)

Added information about the use of GNSS to File Properties

Export window allows de/selecting GNSS

Floor visualization updated

Added a gradient sky as a background

Visualization of live GNSS graph improved

Added GNSS data to exporters (Excel + mvnx)

Added options to Excel exporter to choose what data to export

5 Known Issues

- The MVN GUI does not work properly (unusable enlarged dialogs) when using an Intel driver with a version from 26.20.100.6708 to 26.20.100.7528.
  Fix: upgrade the driver, see the BASE article:
  https://base.xsens.com/hc/en-us/articles/360012044979-MVN-2020-Intel-driver-issue