

Release notes

Xsens 2026.7

This document describes the new features, improvements, and bug fixes in the new release 2026.7 for Xsens software: Xsens Record, Analyze, Animate, and Humanoid versions.

New versions	Xsens: 2026.7 Stable (August 2026) Awinda firmware: - AW-A2 v4.14.0, AW-DNG2(-ANT) v4.14.0, MTw2 v4.14.0 MVN Link firmware: - BPACKv1 v1.6.3, BPACKv2 v1.6.3, MTx2 v1.6.3 Xsens Link firmware: Hub v1.14.2, MTx3 v1.14.2 Firmware updater: 4.4.1 (Awinda, MVN Link) 5.0 (Xsens Link)
Previous versions	Xsens: 2026.6 (July 2026) Awinda firmware: - AW-A2 v4.14.0, AW-DNG2(-ANT) v4.14.0, MTw2 v4.14.0 MVN Link firmware: - BPACKv1 v1.6.3, BPACKv2 v1.6.3, MTx2 v1.6.3 Xsens Link firmware: - Hub v1.14.1, MTx3 v1.14.1 Firmware updater: 4.4.1 (Awinda, MVN Link) 5.0 (Xsens Link)
Release date	August 2026
Operating systems	Windows 11, 64-bit (Xsens Analyze, Animate, and Humanoid) Linux (Ubuntu 24.04 LTS) (Xsens Humanoid)

Improvements:

- Xsens Humanoid Pro
 - Added a native export option that converts MVN recordings into Nvidia Isaac Teleop-compatible MCAP files (full-body pose format), enabling direct replay in Nvidia Isaac without manual conversion.
 - Migrated Xsens Humanoid's Linux packaging from .deb to a FUSE-less ApplImage runtime
 - Finalized general Linux ApplImage packaging for Xsens Humanoid

Bugs fixed:

- # Fixed an issue where Windows blocked the MVN Link Bodypack V2's USB driver, so it now installs and connects properly
- # Fixed issue where the stream can occasionally stop and the avatar freeze with no warning or explanation.

Known Issues:

OBR calibration issue while importing OBR file

After importing an OBR recording (.mtb) and creating the resulting .mvn file, the Avatar orientation might be rotated 180° clockwise and might not face the calibration heading as expected. The recorded motion itself remains unchanged; only the heading orientation applied during import is affected.

This issue was introduced with version 2026.4 and affects OBR recordings processed since then. A heading reset and position reset applied during reprocessing corrects the orientation.

Recommended workflow: import OBR recording using “None” or “Normal (faster import)” rather than the default “HD (best quality)”, then reprocess to HD quality with a heading reset applied.

For step-by-step instruction: https://base.xsens.com/s/article/Avatar-Heading-Is-Not-Aligned-with-the-X-Axis-After-OBR-Import?language=en_US

- # Enabling GNSS in the Live Mocap Config window causes software to crash
- # Fbx exporter exports wrong T-pose
- # Changes to a stream is not always directly applied (re-enable to fix)
- # License Manager does not show network license on 1st fresh run
- # Xsens software gives a message that manus core is out-of-date
- # SteamVR origin cannot be used for position aiding
- # Xsens Link – WPS is not supported when the router is set to enable 2.4 and 5.0 GHz simultaneously.
- # Xsens Link – Remote OBR functionality is not supported yet
- # Xsens Link – OBR mode for 60 or 120 Hz is not supported

- # Xsens Link – Wi-Fi Tab only appears when a complete system is connected
 - o Visible through Remote OBR Tab
- # Xsens Link – Internal battery is not charged by the external battery
- # Xsens Link – External battery icon takes 1 min before showing up in a live session
- # Xsens Link – No Message when (disc)connecting external battery in the software
- # Xsens Link – The hub is turned off during a live session the software can freeze
- # Xsens Link – Enabling stealth mode resets the calibration
- # Xsens Link – Changes to the sensors or eSuit cables when the hub is turned on require the hub to restart
- # Xsens Link – Multi-actor recordings exported to fbx can have an offset in time
- # Xsens Link – Hub cannot be powered off via Xsens SW when connected via USB-C (charging mode)
- # Xsens Link – Leaving Wi-Fi range for longer than 2.5 minutes is not supported
- # Xsens Humanoid – Linux – Not possible to open .mvn files from files manager. Drag and drop works
- # Xsens Humanoid – Linux – Screen toolbar does not display the MVN icon and name
- # Xsens Humanoid – Linux – Error dialog cannot be closed
- # Connection problems with Bodypacks and Hubs using network discovery services
- # MVN SDK: mvn_redist_*_setup.exe doesn't install the DLLs needed to run the created application
- # SDK license cannot be selected in License Manager
- # Position Aiding graph stops plotting during calibration (without Objects)
- # HL license activation problem in License Manager