



Xsens Motion Capture

Release notes

Xsens 2026.8

This document describes the new features, improvements, and bug fixes in the new release

New versions	Xsens: 2026.8 Stable (September 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 v1.18.0, MTx3 v1.18.0 Firmware updater: • 4.4.1 (Awinda, MVN Link) • 5.0 (Xsens Link)
Previous versions	Xsens: 2026.7 (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 v1.14.3, MTx3 v1.14.3 Firmware updater: • 4.4.1 (Awinda, MVN Link) • 5.0 (Xsens Link)
Release date	September 2026
Operating systems	Windows 11, 64-bit (Xsens Record, Analyze, Animate, and Humanoid) Linux (Ubuntu 24.04 LTS) (Xsens Humanoid)

Improvements:

- Xsens Link Hub Wi-Fi SSID and password are now configured from the Xsens Hub Web Admin page. Wi-Fi tab removed from the configuration window.
- SDK license can now be selected in the license manager separately from the Xsens software license
- Xsens Link – Optimizing power consumption and thermal behavior of the complete system
- Xsens Link – Support for the Xsens Hub in managed network environments: DHCP with configurable static IP fallback, setting persist across reboot
- Xsens Link – Added Factory Reset functionality, which wipes all user configurations and recordings from the Hub. (triggered by holding the user and power button for 10 seconds)

Bug fixes:

- SDK license can now be selected in the license manager.
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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
- # 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 on default nor 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 – 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
- # Xsens Humanoids – Linux - Camera unstable: black feed, duplicated webcam entries, low-resolution recordings
- # 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
- # Position Aiding graph stops plotting during calibration (without Objects)
- # HL license activation problem in License Manager
- # Xsens software closes without warning when the license is lost (network drop or dongle disconnect)
- # Xsens software calibration hangs at "Go to your starting position" when no audio device is present on Windows