Xsens Motion Capture

Release notes

Xsens Link Firmware 1.20

This document describes the new features, improvements, and bug fixes in the new firmware release 1.20 for Xsens Link.

New versions	**Xsens Link Firmware 1.20**
	Xsens Link firmware: • **Hub v1.20, MTx3 v1.20**
Previous versions	**Xsens Link Firmware 1.18**
	Xsens Link firmware: • Hub v1.18, MTx3 v1.18
Release date	November 2026

This release includes Xsens Link firmware 1.20, that introduces battery balancing between the external and internal battery, improved low-battery warnings, faster response to power events, improved Wi-Fi stability, an updated overheating warning threshold, and a lower Hub operating temperature. MTx3 firmware 1.20 contains no functional changes compared to 1.18; its version number has been aligned with the Hub firmware.

New features:

- Xsens Link Hub – Battery balancing. When connected, the external battery now charges the internal battery up to 25%. This reduces how often the internal battery needs to be charged via USB-C. Users who record without an external battery still need to charge the internal battery via USB-C.

Improvements:

- Xsens Link Hub – Refactored power management. LEDs and audio now respond faster to plugging or unplugging the charger and the external battery.
- Xsens Link Hub – Improved low-battery warnings. The low-battery sound

now plays repeatedly when the internal or external battery drops below 10%. The same sound is used for both batteries; due to battery balancing, the battery it refers to is unambiguous:
    - External battery connected: the warning refers to the external battery.
    - No external battery connected: the warning refers to the internal battery.
    - External battery connected but depleted: the warning refers to the internal battery.
- Xsens Link Hub – Updated overheating warning. The overheating warning threshold has been raised to 47°C to reduce unnecessary alerts. After the warning, the user has a few minutes to take action before the overheating shutdown at 48°C.
- Xsens Link Hub – Lower operating temperature. A fix to the internal power supply keeps it within specification and reduces the system temperature.

Bug fixes:

Xsens Link Hub – Wi-Fi stability. Several fixes address frequent Wi-Fi disconnects.

Usage recommendations:

- Xsens Link Hub – Updating from firmware below 1.8.0: run the Firmware Updater twice to fully update to 1.20. Hubs already on 1.8.0 or later only need one run.
- Xsens Link – The RF pad between the Hub and eSuit is required when using the 5950-7115 MHz (6 GHz) Wi-Fi band. Outside the 6 GHz band, it is not needed and is best removed, as it slightly increases the Hub's operating temperature, especially in warm environments.

Known Issues

Carry forward unresolved items from previous release notes that still apply to Xsens Link.

Xsens Link – WPS is disabled by default 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 – External battery icon takes 1 min before showing up in a live session
Xsens Link – Changes to the sensors or eSuit cables when the hub is turned on require the hub to restart
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

Connection problems with Bodypacks and Hubs using network discovery services