GNSS Firmware v7.1

Release Notes

September 2025

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Supported Products

Systems
- Topcon HiPer XR
- Sokkia GRX5

Software Compatibility

- GNSS FW v7.1 requires the following Topcon software versions (or later) to access all features and functionality:
    - TRU and SRU v4.1 (Note: TRU v4.0 is not compatible)
    - Pocket 3D v15.5.2 (Note: Pocket 3D v15.5.1 is not compatible)
    - Topcon Field and Office v10 (Note: Topcon Field and Office version 10 is only required for new feature support such as PPP and mmGPS)

Features and Changes

- New mmGPS functionality for precise millimeter accuracy. This feature requires an accessory cable for connection between the PZS-1 and HiPer XR. (P/N: 1065754-01)
- Skybridge/PPP corrections are now available through L-band or NTRIP
- Updated cybersecurity features
- Increased position measurements data rate to support 20 Hz
- Increased LongLink operational distance by at least 50%
- New Job Programming feature to schedule data collection
- Added start-up scripts
- Programmed wake-up time feature was added
- Added support for CMR message output with GPS and GLONASS corrections
- Added support for RTCM2 message output
- Updated Topcon Equipment Access Module (TEAM) option
- General improvements to stability, tracking, and positioning