

Evidence Recorder 10.4.15.2

Release Notes

2015-11-05

New Features and Changes

- **Power Search Improvements**
 - One click process to initiate power search to either directions
 - Optimized search directions for both data collector and total station onboard versions
 - A reverse configuration can be found in the Search Setting screen
- **Redesigned GNSS Offset Routine**
 - GNSS measurements and direction vectors can now be measured inside the offset routine.
 - Offset values can be applied onto multiple GNSS measurements.
- **GNSS Trilateration Routine** – GNSS measurements for 2 static points can be measured inside the trilateration routine by double clicking the point fields.
- **Performance Enhancement** – Further memory optimizations have been done to graphical engine in order to improve the performance on Windows Mobile based devices.
- **Improvements to Onboard Version** – Various aspects of the application has been improved to provide a more polished experience when running onboard of a total station
- **Compensator Control** – Total station compensator switch has been added to the leveling screen.
- **World File** – Both metric and imperial units are supported for the world file of georeferenced images.
- **Map View** – Middle Mouse Button (MMB) can now be used for panning the screen on tablet/pc version.
- **Instrument Selection** – Instrument Selection button has been moved to the Main Menu for easy access and now displays the connection status. About button has been moved into the Settings menu.
- DXF loading messages have been rephrased to show the importation has been completed successfully.
- Added an option to choose calculate/apply elevation and grid factor for scale when using Local Transformation to setup a reference position
- Target shortcuts can now be used in Multiset, Occupy Point, Check Backsight, and Resection routines
- A progress bar has been added after completing the Occupy Point routine.
- “GNSS Store Time” selection in the ASCII export is now affected by the GPS/UTC time option.
- Navigation keys are now works in the main menu.
- Default Occupy Point/Backsight selection is set to Angle only

Hardware Specific Updates

- **ComNav**
T300 – Added support for using the internal GSM modem
- **DT-Research**
DT391GS (Hemisphere) – Added support for Hemisphere P103/P303 variant of DT391GS GNSS tablet
- **FOIF**

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A30 – Fixed an issue where the tilt/compass sensor calibration process can prematurely complete
A30 – Removed beeping sound when messages from the receiver is getting delayed

- **Hemisphere**
S320 – Improved update rate for reference information
- **Hi-Target**
V60 – Added support for V60 GNSS receiver
- **Handheld**
Nautiz X8 – Significant memory improvements have been done to alleviate display issues with map view
- **Horizon**
Kronos 500 – Added support for Kronos 500 GNSS receiver
- **Geo-FENNEL**
FGS1 – Added support for using the internal GSM modem
- **GENEQ**
SXPad – Added support for SXPad GIS Data Collector
SXPro – Added support for SXPad GIS Data Collector
SXBlue II+ – Added support for SXBlue II+ GPS receiver
SXBlue III – Added support for SXBlue III GNSS receiver
- **GeoMax**
Zoom 90 – Added support for ZOOM 90 robotic total station, including an onboard version
Zenith 35 – Added support for Zenith 35 GNSS receiver, including Electronic Bubble feature
Zenith 20 Pro – Turning on Post-Process Tagging option will no longer cause RINEX 3 logging to stop
Changing EDM mode with Observation Toolbar lowered will no longer gives an error
- **Juniper**
Allegro MX – Opening directories on this device will no longer display an error message
- **KOLIDA**
K5 PLUS – Added support for K5 PLUS GNSS receiver
- **Laser Technology**
TruePulse 200X – Added support for TruePulse 200X laser range finder
MapStar TruAngle – Added support for MapStar TruAngle as a total station
- **Leica**
CS20 – Captivate auto-launch has been disabled
Zeno 5 – Added support for Zeno 5 GIS data collector
CS15 – Addressed a performance issue caused by 5.70 firmware while using RTCM3 correction type
TCRP1205 – IR Tracking option will no longer cause distance measurement to stop

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Error message from total stations is now more specific
Changing EDM mode with Observation Toolbar lowered will no longer gives an error

- **NavCom**
SF-3040 – Added the ability to disable Network ID
- **PENTAX**
W-1500 – Default EDM time out settings has been changed from 60s to 30s
- **Ruide**
NOVA R6 – Added support for NOVA R6 GNSS receivers
- **SANDING**
T66 – Added support for T66 GNSS receivers
- **Septentrio**
Altus APS3 & NR2 drivers have been regrouped into Septentrio category
- **Sokkia**
SRX – The instrument will no longer get disconnected if prism is blocked
- **South**
S86-2013 – Raw data logging has been added
GALAXY G1 – Improved Electronic Bubble update rate
- **Stonex**
S10 - Added support for S10 GNSS receivers
- **Texcel**
TX10 – Added support for TX10 GNSS receivers
TX08 – Added support for TX08 GNSS receivers

Coordinate Systems and Geoids

- **Various Geoids and Grid Shift files have been added, check Help Desk at MicroSurvey.com for details.**
- Changes have been made to address issues with South African coordinate system
 - New Coordinate Order X, Y, Z (South) has been added. This option needs to be used along with South Map Orientation setting.
- Fixed coordinate file import/export to properly handle coordinate system orders.

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Defects Fixed

- Addressed an issue where additional characters causes the application not able to save profiles
- Fixed local transformation with regards to the application of scale factors
- Fixed a crash caused by adding new figure and selecting it from Active Figure List
- Fixed an issue where active line is not being selected in the figure list.
- Inserting LS Record to adjust rod height will no longer cause codes and descriptions to disappear
- Fixed an issue where BT search result will occasionally lose focus and appear below the previous screen
- Parcels (XML) option can once again be opened
- Reconnect to GNSS demo after an application restart should now work
- Addressed an issue with RTCM Transformation's compatibility with Ukraine network
- GNSS Profiles are now properly stored after creation if the driver selection step is not performed
- Reconnection function should now select the correct GNSS profile under all circumstances
- ASCII Import – empty Point ID fields should no longer cause import fields shifted by one
- Further improvements have been done to ensure dropdown list works properly
- Fixed an special case where a Geo-referenced Tif file would cause a crash
- Fixed an issue where the Registration key is not displayed after relaunching the application
- Importing a project that exceeds demo license point limit will no longer prompt for every single point
- Fixed an issue where Mount Point and Data Rate fields are not displayed in the ASCII export
- GNSS standard deviation tolerance setting should now take fractional feet and inches
- Fixed a crash that happens when cancelling out of the staking view under specific scenarios
- Fixed a crash that is caused by Observation toolbar threading
- Leica custom targets 1, 2, 3 should now only show up with Leica 1100 driver selected
- Basic Measure screen has been disabled on instruments that does not provide real time updates
- Fixed local transformation with regards to the application of scale factors.
- Adjusted the imported coordinate of georeferenced images by a pixel
- Standard deviation should now properly show up if the point is deleted an re-measured
- Unicode surface names will no longer cause issue with surfacing engine
- Fixed an issue with CST export that causes compatibility problem with ELLIPSE NEO
- Fixed a problem with zoom-to-extent function when DXF blocks are loaded