

X•PAD Survey 3.0.600

This document contains a list of all changes, new features, bugs fixed introduced in this last version of **X•PAD Survey 3**.

Survey

NEW! **SmartDrawing – Select point:** it is now possible to select an existing point on the screen; point is connected to the current line drawing.

BUG **SmartDrawing – Line delete:** fixed a problem in case the SmartDrawing line is deleted.

BUG **SmartDrawing – Arc:** fixed a problem if Arc is used and then the line is closed.

TPS

NEW! **Free station:** improved and made more robust the procedure that set the horizontal angle to the TPS.

NEW! **Allegro – X-Pole:** with **ALT+X** button it is possible to activate X-Pole and so move to TPS mode or to GPS mode.

GPS

NEW! **NMEA Output - ZDA:** ZDA sentence has been added.

NEW! **Zenith35 – GDOP:** GDOP value is now handled.

NEW! **Zenith35 – Log raw data:** it is possible to decide if store the raw data in the Internal memory or in the External SD card.

BUG **Zenith35 – Base PPP:** fixed a bug in configuration Base-Rover in PPP mode.

BUG **Zenith10/20/35 – Log raw data:** fixed a bug on setting the record interval.

Coordinate system

NEW! **Default coordinate system per site:** Is it possible to save a coordinate system that will be used as default coordinate system for each job created in that specific site.

Stakeout

BUG **Stakeout of points:** name of the point in upper case.

Export

BUG **DXF export:** point's labels were exported without elevation.

X•PAD Survey 3.0.500

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General

NEW! **Latitude-Longitude in decimal degree:** it is possible to define the format of latitude and longitude values; not only Degree-Minutes-Seconds but now it is possible to use the Decimal degree.

Controllers

NEW! **Zenius5:** support of the new GeoMax controller Zenius 5.



GPS

NEW! **Zenith15 / Zenith 25 – controller GPRS:** support of the new firmware for Zenith15 and Zenith25 receivers that allow to use the GPRS of the controller. SIM now can be placed in the controller instead of the receiver.

NEW! **External GPRS - NTRIP address:** with External GPRS the IP address can be not only numeric.

BUG **Zenith10/20/35:** fixed some small bugs on storing the raw data file for post-processing.

TPS

BUG **Zoom90:** fixed some small bugs.

Stakeout

NEW! **Geocentric coordinates:** it is possible to enter geocentric (Earth centered) coordinates to stakeout.

Parcels

NEW! **Edit parcel:** it is now possible to edit existing parcels and change the name.

NEW! **Parcel from polyline:** it is now possible to transform drawing or survey polylines to parcels.

Import & Export

NEW! **Google Earth KML:** closed polylines are exported as polygons.

NEW! **LandXML:** survey drawing lines are now exported.

Roding

NEW! **Import ISTRAM/ISPOL format:** ISTRAM/ISPOL roding data format is now supported.

BUG **Import CLIP format:** fixed a bug in importation of CLIP format.

X•PAD Survey 3.0.400

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General

BUG **PS236:** fixed some wrong behaviors with Getac PS236.

CAD

BUG **Arc by 3 points:** fixed a bug in the drawing.

Zoom90

BUG **X•PAD on-board:** fixed some bugs and improved the support of the Zoom90 robotic total station. A new setup file has been created and must be used to install X•PAD on-board.

Survey

NEW! **Number of epochs and log raw data:** it is possible to change the number of epochs during survey and log raw data.

X•Pole

NEW! **Prism lost and not GPS fixed:** if the receiver is not in fixed mode the TPS rotate toward the prism using only the coordinate and not using the elevation.

NEW! **Free station:** reference point is acquired automatically with both systems (TPS and GPS) with one single click.

Volumes

NEW! **Auto adjust cut-fill:** volume on reference plane can be calculated with Auto adjustment of cut-fill. Keeping the defined plane slopes, the plane is adjusted vertically in order to balance cut and fill volumes.

X•PAD Survey 3.0.300

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General

NEW! **RAW file:** from RAW file it is now possible to import also the drawing and not only points & measures.

TPS

BUG **Zoom90 - OnBoard:** it was no possible to stop search operation with STOP button.

BUG **Zipp20:** country packages were not installed in the right way.

NEW! **Zoom90 – Reticle:** it is now possible to switch on-off the internal reticle light.

GPS

BUG **NMEA output:** Zenith35 was not supported.

Survey

BUG **Delete last point:** fixed a bug.

BUG **Station orientation – Backsight one point:** distance check was wrong if angle was set to “Current value”.

NEW! **Base & Rover:** base position is now ground position.

NEW! **Survey codes library:** it is now possible to define a survey codes library as default library.

NEW! **Survey codes library – new job:** when a new job is created it is possible to specify the survey codes library to use.

X•PAD Survey 3.0.200

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CAD

NEW! **Invert:** new command that allow to invert the direction of the selected lines, arcs and polylines.

GPS

NEW! **Zenith 35PRO:** full support of the new Zenith35 PRO: Galileo satellites, 16 radio channels, new radio protocols.

NEW! **GPRS on controller:** general improvements.

NEW! **RTCM3.1 – 1025:** support of the RTCM1025 message that define the coordinate system to use in the area.

Survey

NEW! **Smart Drawing – Simple mode:** new options that allow to use the last point or define a new starting point.

BUG **Smart Drawing:** fixed a bug.

Stakeout

BUG Stakeout point with reference line: fixed a bug.

Surface

BUG **Surface stakeout:** fixed a bug that occurs with triangles with two vertexes coincident.

X•PAD Survey 3.0.100

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General

NEW! Release X•PAD Survey 3: [What's new in Release 3](#)