

## 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**.

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### 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.

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### 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.

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### 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.

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### 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.

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## Stakeout

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

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## 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.

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### Controllers

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



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### 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.

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## TPS

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

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## Stakeout

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

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## 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.

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## Import & Export

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

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

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## 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.

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### CAD

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

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### 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.

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### Survey

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

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### 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.

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### 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

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

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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.

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### 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.

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### GPS

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

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### 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.

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### 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.

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### 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.

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### Stakeout

**BUG** Stakeout point with reference line: fixed a bug.

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### 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](#)