

# Cube-a Software

## Android Field Software





Cube-a is the Stonex surveying and mapping software designed and developed for Android platform.

Thanks to the flexibility of the Android environment, we have been able to create a simple and intuitive user interface that makes surveyors ready for any work, saving time and increasing productivity.

Full support for touch gestures and the possibility to install it on Smartphones and Tablets are the keys to the success of Cube-a.

It also includes support for many languages and adjusts it's interface as from the current system language setting.

Cube-a is available in three versions: Cube-a for GNSS, Cube-a for GNSS+GIS and Cube-a for mechanical and robotic Total Stations.

# Cube-a

## Stonex field software

Stonex field solutions for GNSS RTK, GIS and Total Station surveys will make operators' work quick and easy, ensuring high productivity in all jobs requiring precision and efficiency.

### GNSS

Cube-a is compatible with all Stonex GNSS Receivers, it allows to work in Rover, Base and Static mode. It also provides the opportunity to survey points in Stop&Go, ensuring efficiency, high precision and flexibility in the field.

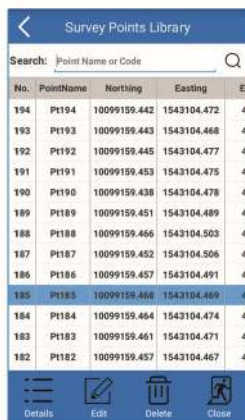
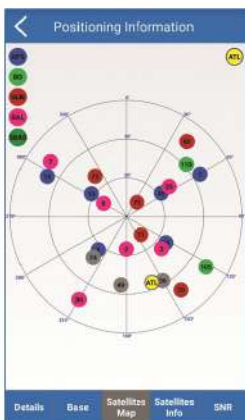
### SKY PLOT

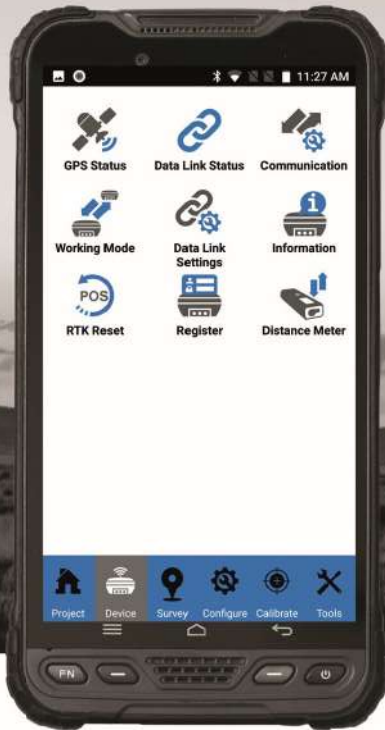
Various screens provide useful information on the status of GPS, we also developed the possibility in the Sky Plot to read the presence of Atlas. The innovation to show Atlas correction is in order to help and facilitate the work of surveyors so that, when this correction is needed, they can know if the satellite is seen and in what position.

### SURVEY

Simple and intuitive survey interface with numerous indicators that immediately help the surveyor to understand what kind of work and in what conditions is taking place.

From the solution indicators to the quality indicators, from the information on the batteries to the information on the points, we have developed this control panel from which you can easily change settings, see the collected points, add graphic elements and drawings or proceed surveying.





## PHOTO & SKETCH

To improve and complete the survey and stakeout functions, you can also use the Photo & Sketch. This function can be used while surveying or even on the points already acquired. The points can be enriched with notes, arrows, texts, photos and simple drawings. The command was developed in order to create a work environment that can be customized to the maximum, in fact the elements that can be inserted can be rotated, moved or deleted.

## STAKEOUT

A compact and complete interface of all the functions that can facilitate the work in the field. We have enriched this function with references for fast, accurate and simple movement indicators, in order to speed up the processing and make it pleasant. Thanks to this interface, you can read all the information necessary for the stakeout, select points or add them and quickly change all settings.

All this is possible without ever leaving the main screen. Even in case of small monitors, the information and commands are always smartly arranged and readable, the buttons are clickable without difficulty and some of them can be reduced to improve the visibility of the map.

## TOTAL STATION

We have developed the possibility for Cube-a to work on mixed surveys, thanks to the implementation of the support for Total Stations. The Total Stations are supported via Bluetooth. Moreover, having developed the possibility of Free Stationing, Stakeout and Cloud integration, this feature makes the program a reference point for professionals who want a complete and innovative program.

# Cube-a FEATURES

	GPS	GIS*	TS
<b>PROJECT MANAGEMENT</b>			
Job management	✓	✓	✓
Survey Point Library	✓	✓	✓
System settings (units, precision, parameters, etc.)	✓	✓	✓
Import/export ASCII and DXF	✓	✓	✓
Import/export Esri Shape (with attributes)		✓	
Export Google Earth KML/Send to Google Earth	✓	✓	
Import Raster Image	✓	✓	✓
Share files by cloud services, e-mail, Bluetooth, Wi-Fi	✓	✓	✓
Real time maps support	✓	✓	✓
Send to Google Earth	✓	✓	✓
Customizable ref. systems also by remote RTCM messages	✓	✓	✓
Features codes (multiple feature tables)	✓	✓	✓
Define GIS features and attributes		✓	
Bluetooth Disto support	✓	✓	✓
<b>GNSS MANAGEMENT</b>			
Support for Stonex receivers	✓	✓	
Generic NMEA (support for third party receivers) - Rover only	✓	✓	
Receiver status (quality, position, sky view, satellites list, base info)	✓	✓	
Full support for features like E-Bubble, Tilt, Atlas, SureFix	✓	✓	
Network connections management	✓	✓	
Support of RTCM 2.x, RTCM 3.x, CMR, CMR+	✓	✓	
Automatic GNSS model & features detection	✓	✓	
Automatic antenna offset management	✓	✓	
Bluetooth and Wi-Fi GNSS connection	✓	✓	
<b>TS MANAGEMENT</b>			
TS Bluetooth			✓
TS Long Range Bluetooth			✓
Search and follow functionality (Robotic only)			✓
Compensator interface			✓
Station on point			✓
Free station (Least squares)			✓
TS orientation st.dev. and check orientation			✓
Topographic basic calculation			✓
Rotate to GPS position**			✓
Rotate to given point			✓
Export TS raw data			✓

	GPS	GIS*	TS
<b>SURVEY MANAGEMENT</b>			
Localization by one point and by multiple points	✓	✓	✓
Transformation from GPS to grid and vice versa	✓	✓	
Cartographic predefined reference systems	✓	✓	✓
National grids and geoids	✓	✓	
CAD window, with dedicated CAD functionality	✓	✓	✓
Layers management	✓	✓	✓
Entity acquisition management	✓	✓	✓
Point Survey	✓	✓	✓
Hidden points calculation	✓	✓	✓
Automatic point collection	✓	✓	✓
Static and Kinematic survey for post-processing	✓	✓	
Point stakeout	✓	✓	✓
Line stakeout	✓	✓	✓
Height Stakeout (TIN or inclined plane)	✓	✓	✓
Stakeout reports	✓	✓	✓
Mixed Surveys**	✓		✓
Measures (area, 3D distance, etc)	✓	✓	✓
Display functions (zoom, pan, etc )	✓	✓	✓
Surveying tools (quality, battery and solution indicators)	✓	✓	
Visualization of the drawing on Google Maps	✓	✓	
Sensor Calibration	✓	✓	
Info commands (id, distance, area, angle, distance to object)	✓	✓	✓
Corner Point	✓	✓	
Snap to object	✓	✓	✓
Record Settings	✓	✓	
COGO (perimeter, area, calculator, etc)	✓	✓	✓
Ability to freehand sketch in the pictures of collected points	✓	✓	✓
Pregeo (Italian Cadastral data)	✓	✓	✓
<b>GENERAL</b>			
Automatic SW updates***	✓	✓	✓
Direct technical support	✓	✓	✓
Unique license for tablet/handheld software version	✓	✓	✓
Multi-language	✓	✓	✓

\*GIS available only if GPS module enabled. GIS module will be available from Q1 2020.

\*\*Available only if GPS and TS modules enabled

\*\*\*Online connection required

Illustrations, descriptions and technical specifications are not binding and may change

STONEX AUTHORIZED DEALER

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