

tcpGPS for Android™

Complete Solution for Surveying and Staking Out Using GNSS Receivers

This application, installed on a Tablet or smartphone with Android™, allows the user to survey and stake out topographic data with GNSS receivers.



Base Maps

ESRI™ base maps with global coverage are used, which can be displayed in street, satellite or topographic mode. Cartography files in DXF, DWG, GML, KML, KMZ and shape formats can also be loaded from the cloud or internal storage, as well as web map services (WMS).

The program includes the EPSG database of geodetic systems, being able to work with different coordinate reference systems organized by countries, and local systems can also be defined.

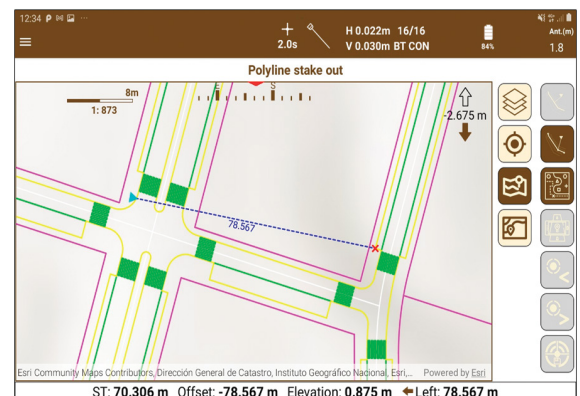
Surveying

The application makes it very easy to survey topographic points and linear and polygonal entities, which are drawn in layers and with customized symbology. Photos, voice notes and optional codes can be linked to points, and user-defined GIS attributes. A simple CAD allows you to draw entities by joining points by graphic designation. It can also be connected to laser distance meters for measuring inaccessible points.

All collected data can be exported to multiple formats and shared from within the application, to be stored in the cloud or sent by email or other means.

Stake Out

Points, lines and polylines of the cartography can be staked out, designating them graphically or selecting them by various criteria. The application provides different help modes, as a map, a compass or a target. Voice prompts or sounds can also be activated.





Professional Version

tcpGPS is very useful for roads, railways and civil projects in general, allowing to import files in LandXML, IFC and other formats. Points such as road edges, shoulders or curbs can be staked out. Slope control options are also provided.

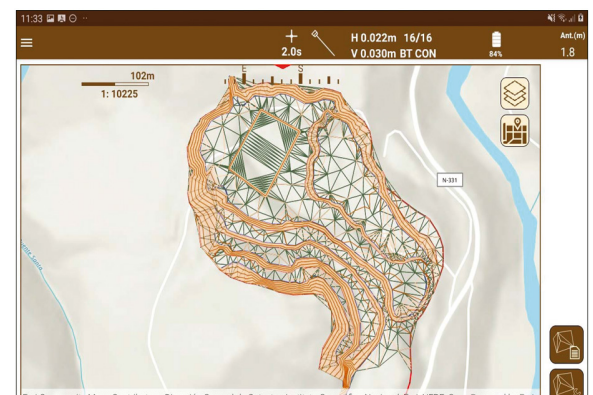
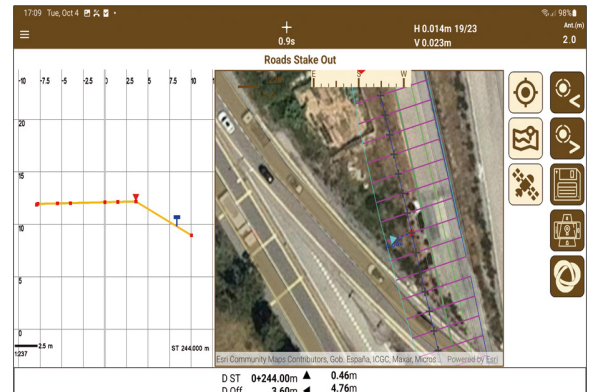
The software generates the digital terrain model and contours from points and optional break lines. Other options facilitate the comparison of the current elevation with that of a surface, obtaining profiles and calculating earthwork volumes.

The application can add and manage issues using BIM Collaboration Format files (BCF).

GNSS Receivers

The software allows you to easily connect to any NMEA-compliant receiver. In addition, you can configure various receivers integrated in the device or connected via Bluetooth or TCP/IP, to work in base, rover or static mode and use corrections via radio or Internet with data from the collector or the equipment itself.

The status bar shows at all times the position type, accuracies, IMU status, etc. and supports GPS, GLONASS, Beidou, Galileo and SBAS constellations.



Requirements ⁽¹⁾

Operating System	Android™ 7.0 to 16.0
RAM Memory	Mínimum 3GB
Performance Indicator	Minimum 12 and recommended 28 or more ⁽²⁾ , according to comparison of Android devices on the site https://lc.cx/LKZrba
Screen size	Recommended 5" or higher
Sensors	Recommended Magnetometer, Accelerometer and Gyroscope
Connectivity	Bluetooth®, Bluetooth® LE or WiFi for connection to external receivers (depending on brand and model) or integrated GPS
GNSS Receiver	Compatible with the NMEA 0183 standard. The program also allows you to configure a number of brands and models of GNSS receivers in different working modes. Read more: https://lc.cx/9egMxo
Laser Distancemeter	Read more: https://lc.cx/O7zQWc

(1) Not all of the features of the application are available for all the devices and receivers. For an updated information about the certified receiver models and mobile devices, more detailed information about tcpGps for Android™ requirements on www.aplitolop.com.

(2) These indices are subject to change.

Esri and the Esri Logo are licensed trademarks of Environmental Systems Research Institute, Inc.
Android is a registered trademark of Google LLC.

www.aplitolop.com

Surveying and Civil Engineering Solutions
Sumatra, 9 29190 Málaga (Spain)
+34 952 43 97 71 info@aplitolop.com

