TS GNSS Alb

Datasheet | 4.0 build 484 | Rev 1.0

01 Product overview

TS GNSS Alb is an Android surveying application for GNSS and total stations. It manages projects, coordinate systems, instrument communication, observations, stakeout, CAD and data exchange. MeshyAndI is included for camera scanning and local measurements.

Project and CRS → **Instrument** → **Survey and stakeout** → **Check and export**

Area	Functions
Platform and languages	Android 8.0+; Albanian / English; phone and tablet interface.
Communication	Bluetooth, USB/serial and TCP/Wi-Fi according to profile and hardware; NTRIP corrections.
GNSS	Point and coded survey, Auto Survey, Control Point, Base/Rover and solution status.
Total station	Known-station setup and backsight, resection, HA/VA/SD/XYZ, EDM/prism and capability-dependent functions.
Stakeout	Point, line, arc, CAD and road/surface workflows according to project data.
Geometry	CRS/EPSG, vertical system, CAD/layers, DTM/TIN, breaklines and cut/fill.
Position	Web/CORS account, Auto Sync, online projects, history and restore according to permissions.
Camera	MeshyAndI 0.23: scanning, 2D plans, Scatch 3D and reporting.

A catalogue entry does not guarantee every command or firmware version. Verify the profile, transport and instrument operation before fieldwork.

02 Exchange and operating conditions

Item	Practical specification
Import / Export	CSV, TXT, DXF, XML/LandXML and RXL, subject to supported format entities.
DWG	Open with an external CAD app; use DXF for an internal layer.
Backup	Job ZIP: points, elevations, CAD/layers, measurements, stakeout, calibration and history.
Roads and DTM	Road alignment, profile and sections; DTM from E/N/Z with boundary, holes and breaklines; CSV reports.
Licensing	Device-bound online activation, validity checks and authorised licence import.

Before measurement

A correct project CRS, units and height reference are required, together with an instrument profile and verified antenna/prism heights. NTRIP and Position require internet while in use. Radio corrections and local links depend on hardware and configuration.

MeshyAndI requires an ARCore-supported phone. Its local coordinates do not become project coordinates simply because it runs inside TS GNSS. Accompanying RTK data needs geometric alignment and validation.

Interpretation limits

Accuracy depends on the instrument, corrections, observation geometry and setup. FIX, RMS or displayed decimal places do not replace known-point checks. IMU, robotic functions and instrument cameras depend on the model. Advanced menu entries do not imply that every manufacturer function is implemented.

Support: info@gnss.al · +355 67 466 3188. Current downloads and documentation: position.gnss.al/downloads.html and position.gnss.al/documentation.html. When requesting help, include the product, version, device model and steps that reproduce the issue. Do not include passwords or licence tokens in screenshots.