

SETTOP GPS

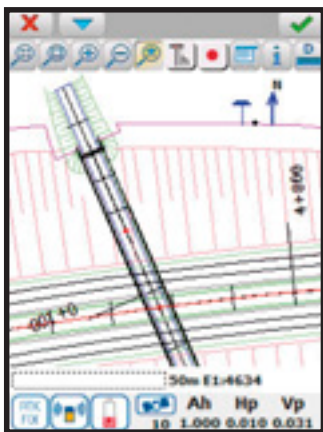
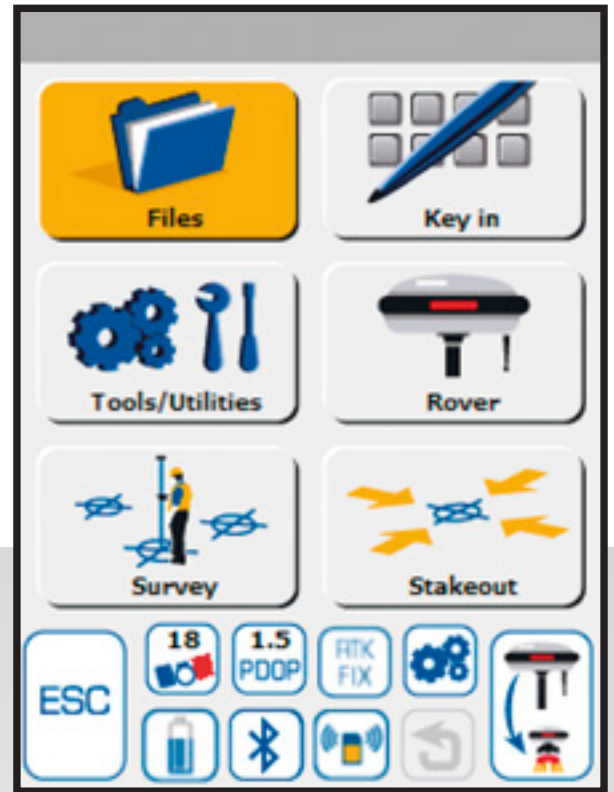
BASIC OR PRO FIELD SOFTWARE OPTION

SURVEY DATA COLLECTOR SOFTWARE

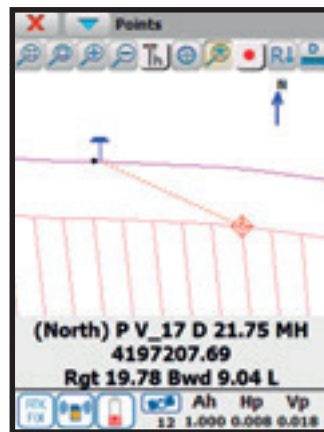
A complete solution for surveys, stakeouts and linear works. The GNSS Settop receivers constitute unique and technologically cutting-edge equipment by virtue of their functions. In the interests of managing all Settop technology we have created a full intuitive field software for users and for more demanding projects.

MAIN FEATURES:

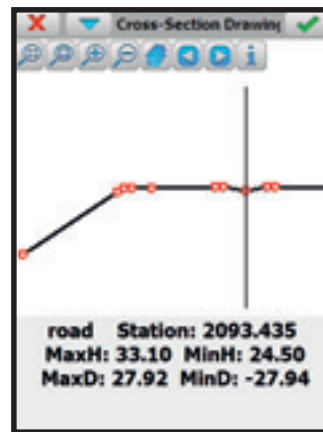
- Bluetooth connection for the base and mobile equipment.
- Base configuration transmitting Ntrip corrections via internet and radio
- Support for ASCII, DXF, Shape, JPG and ECW files
- Connection to RTK corrections via internet.
- Full road module for linear works.



Survey: It permits manual mode data-taking, point by point, continuous by distance, time or gradient, taking of axes, longitudinal, static and cinematic profiles.



Stakeout: Stakeout of points, roads and geometric constructions with lines and circles. Indications are given of the current position as well as of that of the objective, making it possible to orientate in relation to the North, a known base, the last point stored, the movement or the sun.



Linear works: Stakeout of sections over axis. There are different options such as PK and code, PK and movement and stakeout of slopes. Precise information is shown on the distance from the axis and the profile, difference in level and plan and elevation graphs of the profile.



Connections: Configuration of the transmission of RTK corrections via radio and internet.

SETTOP GPS BASIC AND PRO COMPARISON

POINTS	BASIC	PRO
File management (New, Delete, Select)	■	■
Importing and exporting to various formats	■	■
Editing of points	■	■
Drawing of points	■	■
Transfer of points	■	■
Rotation of points	■	■
Generation of mesh of points		
Exporting to KML		

BASES	BASIC	PRO
File management (New, Delete, Select)	■	■
Editing of bases	■	■
Drawing of bases	■	■
Creation of bases from points	■	■
Creation of bases from geographical coordinates	■	■
Creation of bases from PK and movement to the site axis	■	■
Reading of GPS bases	■	■

SITE AXIS	BASIC	PRO
File management (New, Delete, Select)		■
Importing of various formats		■
Editing of axes		■
Listing of axes		■
Drawing of axes		■
Creation of axes by N points		■
Calculations of points over axis		■
Convert polyline to axis		■

AXES IN ELEVATION (GRADIENTS)	BASIC	PRO
File management (New, Delete, Select)		■
Importing of various formats		■
Editing of gradients		■
Listing de gradients		■
Drawing of gradients		■
Calculation of levels and slops from PK		■

LONGITUDINAL PROFILES	BASIC	PRO
File management (New, Delete, Select)	■	■
Listing and editing of longitudinal profiles	■	■
Drawing of longitudinal profiles	■	■
Generation of longitudinal profile from transverse profiles		■

TRANSVERSE PROFILES	BASIC	PRO
File management (New, Delete, Add, Eliminate)		■
Importing of various formats		■
Listing and editing of transverse profiles		■
Drawing of transverse profiles		■
Creation of simple section		■

RESULTS OF STAKEOUT	BASIC	PRO
File management (New, Delete, Select)	■	■
Consulting of result file	■	■
Conversion to point file	■	■

CARTOGRAPHY	BASIC	PRO
File management (Select, Eliminate)	■	■
Drawing of cartography in DXF	■	■
Integrated base maps		

SUPERELEVATIONS	BASIC	PRO
File management (New, Delete, Select)		■
Listing and editing of superelevations		■
Drawing of superelevations		■

SURFACES	BASIC	PRO
File management (Select, Delete)	■	■
Drawing of surfaces	■	■

IMAGES	BASIC	PRO
File management (Add, Eliminate)	■	■
Display of images in various formats (ECW, JPG, JPG2000)	■	■
Georeferencing of images	■	■

GPS RAW DATA	BASIC	PRO
Selection of files other than those of the project	■	■
Exporting of geographical coordinates	■	■
Creation of reports in HTML	■	■
Transfer of geographical coordinates	■	■

CONTROL DEL RECEPTOR GNSS	BASIC	PRO
Real-time display of coordinates in various formats	■	■
Display of satellite constellations and their state	■	■
Configuration of receiver in RTK by UHF, GPRS or GSM	■	■
Configuration of receiver for post-process	■	■
Management of work styles	■	■
Various functions according to receiver model	■	■

LOCAL SYSTEMS	BASIC	PRO
Management of local systems (Edit, Delete)	■	■
Creation of local systems of various dimensions and types	■	■
Creation of local systems by parameters and from pairs of points	■	■
Importing of local systems from other projects	■	■
Corrections for placement in local system	■	■

DATA-TAKING	BASIC	PRO
Survey	■	■
Continuous data-taking	■	■
Taking of site axes		■
Taking of transverse profiles		■
Taking of longitudinal profiles	■	■
Recording for post-process at static	■	■
Recording for Stop & Go post-process	■	■

STAKEOUT	BASIC	PRO
Points	■	■
Normal points in line	■	■
Intersection of lines	■	■
Lines and paralells	■	■
Lines	■	■
Polylines		■
PK and movement		■
PK and code		■
Slope		■

TOOLS	BASIC	PRO
Calculation of points on site and elevation axis		■
Analysis of points on surfaces, site axes and elevation axes	■	■
Calculation of distances and areas between points	■	■
Geodesic calculator	■	■
Calculation of intersection of lines	■	■
Calculation of intersection between straight line and circle	■	■
Calculation of intersection between two circles	■	■
Conversion from polar to rectangular coordinates	■	■

CONFIGURATION	BASIC	PRO
Measurement units	■	■
Work styles	■	■
Data-taking configuration options	■	■
Stakeout configuration options	■	■
Selection of GPS device and configuration of communication parameters	■	■
Management of code databases (Select, Edit, New, Delete)	■	■
Management of geodesy elements (SRC, ellipsoids, data)	■	■
Configuration of stakeout sounds and voice	■	■
Configuration of peripherals (laser distancemeter and deep sounder)	■	■