



TcpGPS for Android

Unit 4.Survey



Unit 4. Survey

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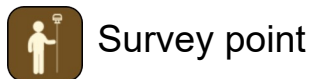
Photos and Voice Notes

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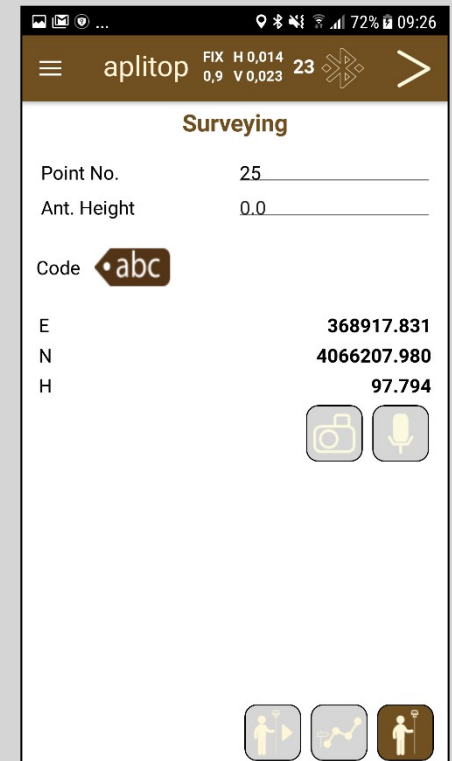
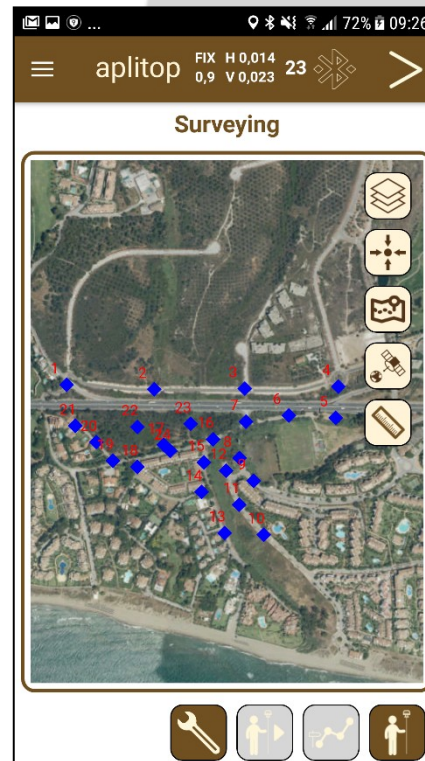
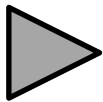
Tools

Point Survey

- Point Attributes
 - Number
 - Antenna height
 - Code (optional)
 - Projected coordinates
 - Raw data
 - Remarks
 - Photo
 - Voice note

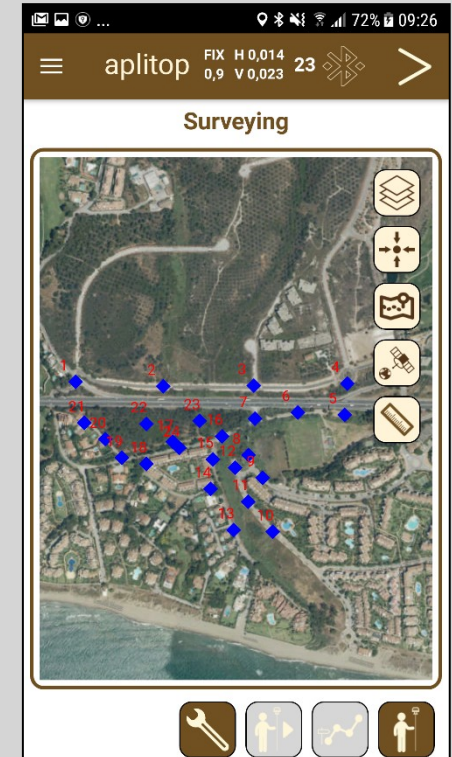
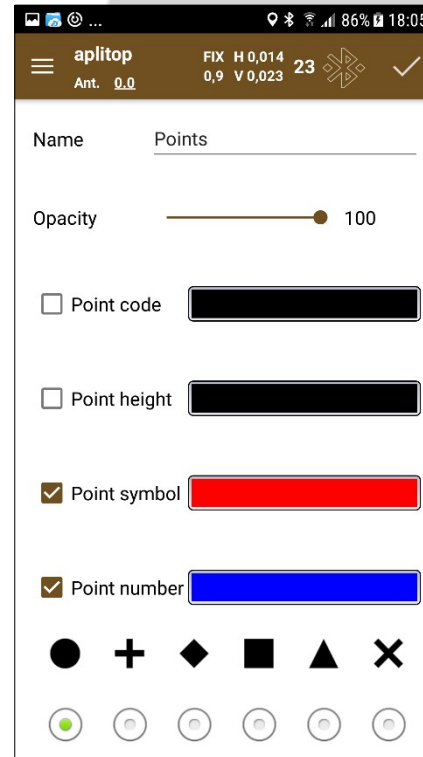


Video



Point Symbolology

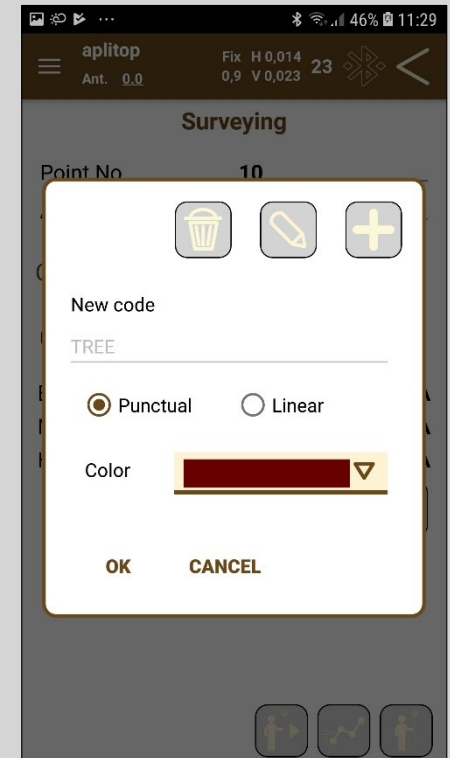
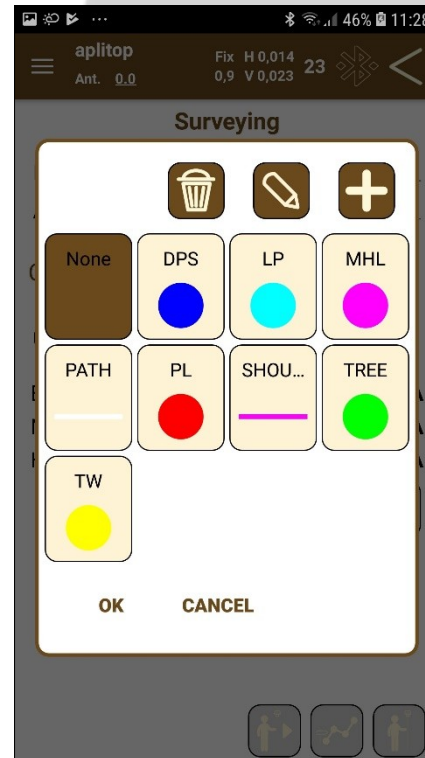
- Point Symbol
- Attribute Visibility
- Colors
- Layer Opacity



Point Code Management

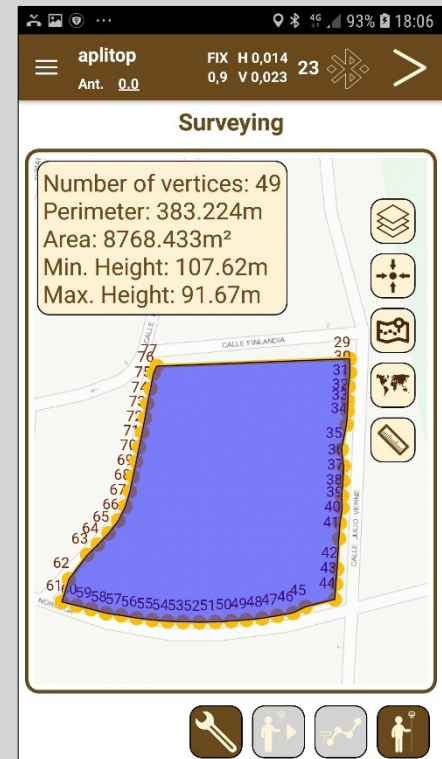
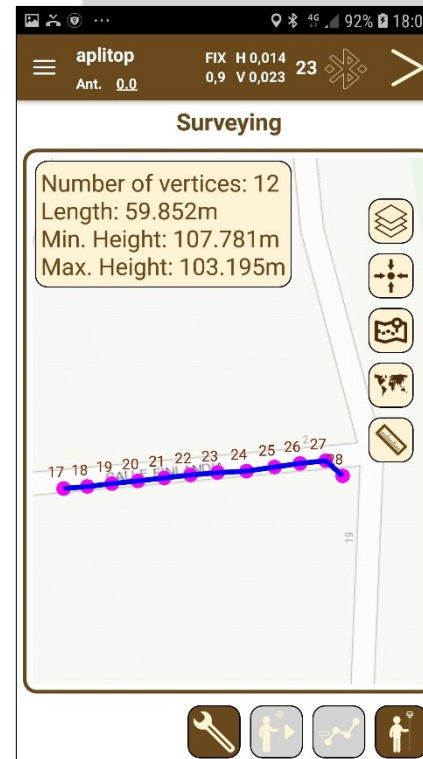
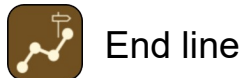
- Customizable list
- Each code creates a new layer
- Types
 - Punctual
 - Linear

Video 



Line Survey

- Select the point code
- Survey each vertex
- Feature types
 - Open (e.g. path)
 - Closed (e.g. plot)



Continuous Survey

- Select the point code
- Input interval parameters
 - Time (seconds)
 - Distance (meters)
 - Elevation difference (meters)

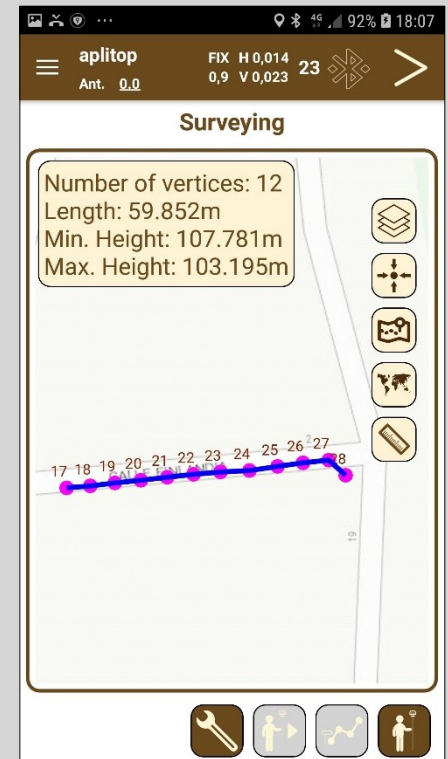
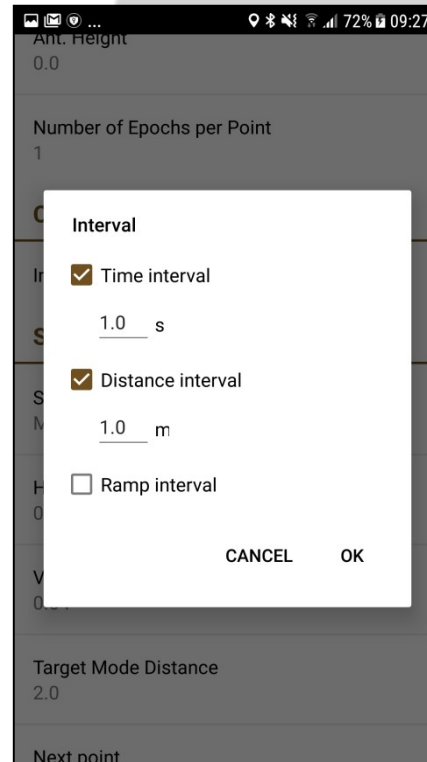
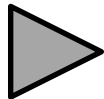


Start continuous survey



End continuous survey

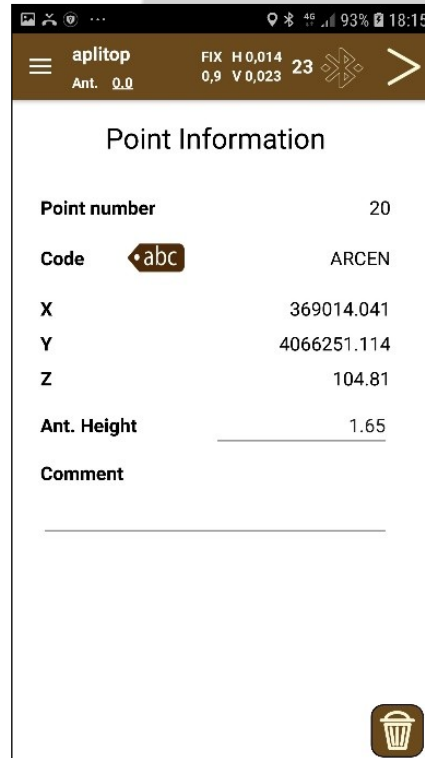

Video



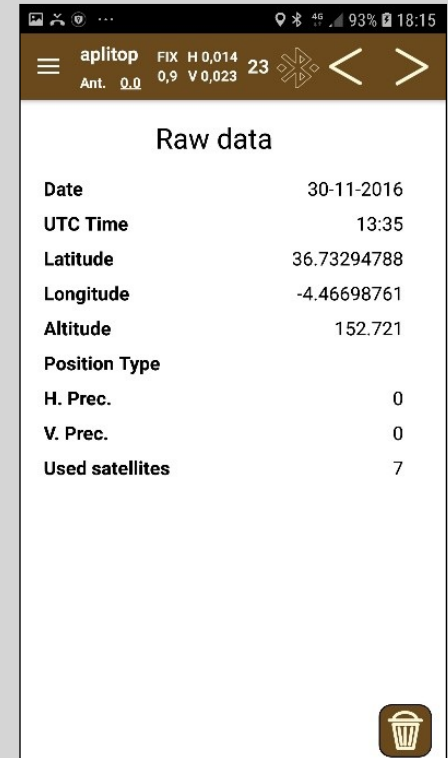

Editing Points

- Selection method
 - Graphic designation on map
 - Point management
- Point information
 - Basic Data
 - Raw data
 - Hyperlink data


Point number	167
Code	
Ant. Height	1.8 m
X	368887.121
Y	4066199.58
Z	82.295



Point number	20	
Code	abc	ARCEN
X	369014.041	
Y	4066251.114	
Z	104.81	
Ant. Height	1.65	
Comment		



Date	30-11-2016
UTC Time	13:35
Latitude	36.73294788
Longitude	-4.46698761
Altitude	152.721
Position Type	
H. Prec.	0
V. Prec.	0
Used satellites	7



Photos and Voice Notes

- Photo linked to point
 - Camera
 - Gallery
- Voice note linked to point
 - Record
 - Play

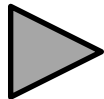
Video 



Point Quality

- Position types
- Minimum number of satellites
- Horizontal and vertical precision
- Electronic level
- Number of epochs

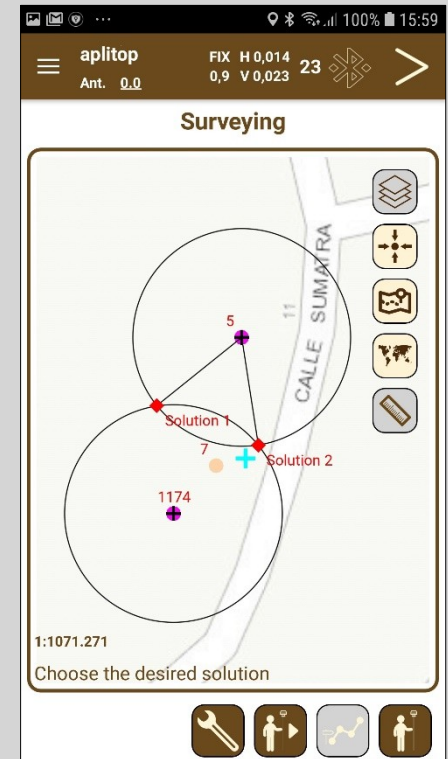
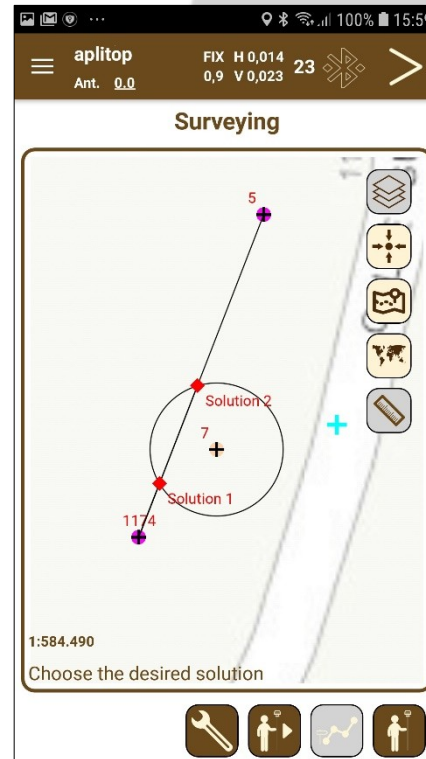
Video



Surveying and Stake out	
Position Types	RTK Fixed + Autonomous
Minimum Number of Satellites	4
Horizontal Precision (m)	0.02
Vertical Precision (m)	0.04
Ant. Height	0.0
Number of Epochs per Point	1
Continuous surveying	
Interval	

Tools

- Distance and azimuth
- Intersection of lines
- Line-circle intersection
- Circle-circle intersection



Video 