



TcpGPS for Android

# Unit 5. Data Management



## **Unit 5. Data Management**

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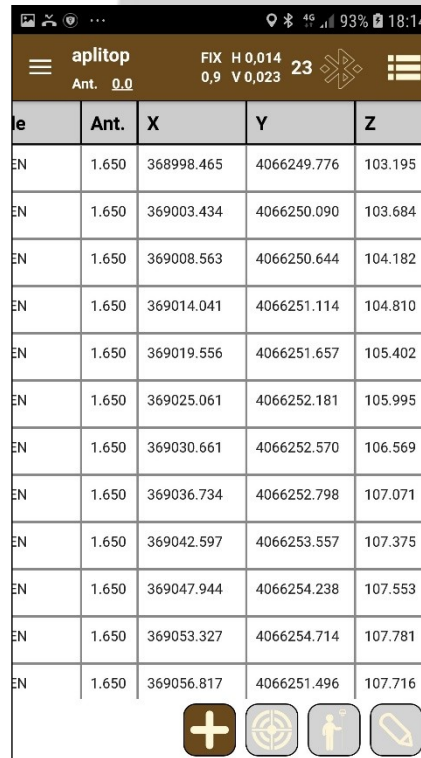
**Exporting Raw Data**

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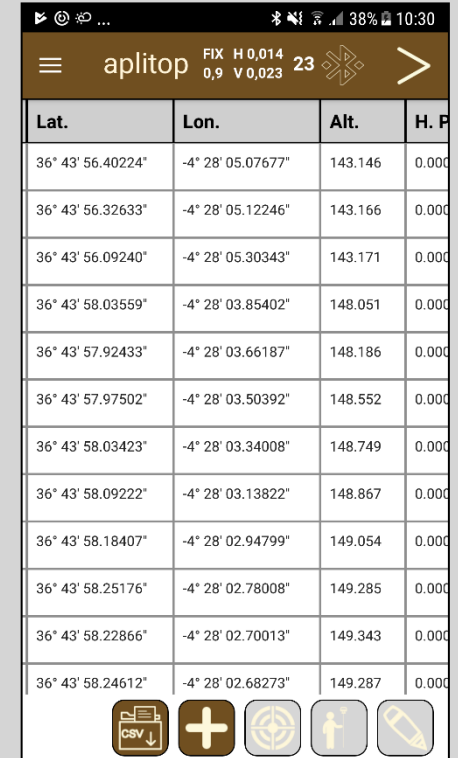
## Managing Points

- Point information
  - Basic data
  - Raw data
  - Stake out data
- Shortcuts
  - Go to map
  - Stake out point
  - Edit point
  - Delete point
  - Add new point

Video 



Point	Ant.	X	Y	Z
EN	1.650	368998.465	4066249.776	103.195
EN	1.650	369003.434	4066250.090	103.684
EN	1.650	369008.563	4066250.644	104.182
EN	1.650	369014.041	4066251.114	104.810
EN	1.650	369019.556	4066251.657	105.402
EN	1.650	369025.061	4066252.181	105.995
EN	1.650	369030.661	4066252.570	106.569
EN	1.650	369036.734	4066252.798	107.071
EN	1.650	369042.597	4066253.557	107.375
EN	1.650	369047.944	4066254.238	107.553
EN	1.650	369053.327	4066254.714	107.781
EN	1.650	369056.817	4066251.496	107.716



Lat.	Lon.	Alt.	H. P
36° 43' 56.40224"	-4° 28' 05.07677"	143.146	0.000
36° 43' 56.32633"	-4° 28' 05.12246"	143.166	0.000
36° 43' 56.09240"	-4° 28' 05.30343"	143.171	0.000
36° 43' 58.03559"	-4° 28' 03.85402"	148.051	0.000
36° 43' 57.92433"	-4° 28' 03.66187"	148.186	0.000
36° 43' 57.97502"	-4° 28' 03.50392"	148.552	0.000
36° 43' 58.03423"	-4° 28' 03.34008"	148.749	0.000
36° 43' 58.09222"	-4° 28' 03.13822"	148.867	0.000
36° 43' 58.18407"	-4° 28' 02.94799"	149.054	0.000
36° 43' 58.25176"	-4° 28' 02.78008"	149.285	0.000
36° 43' 58.22866"	-4° 28' 02.70013"	149.343	0.000
36° 43' 58.24612"	-4° 28' 02.68273"	149.287	0.000

## Importing Points

- Supported formats
  - TXT / PUN
  - DXF
  - KML/KMZ
- Default format:

```
<point id> <X> <Y> <Z> [<point code>]
```

```
1 324177.421 4041653.935 0.85 SURV
2 324177.436 4041653.925 0.62 SURV
3 324177.422 4041653.937 0.63
4 324177.418 4041653.932 0.75 SURV
```

Video 

Project

Local System

Surveying

Stake out

Edit

Import

Points

Export

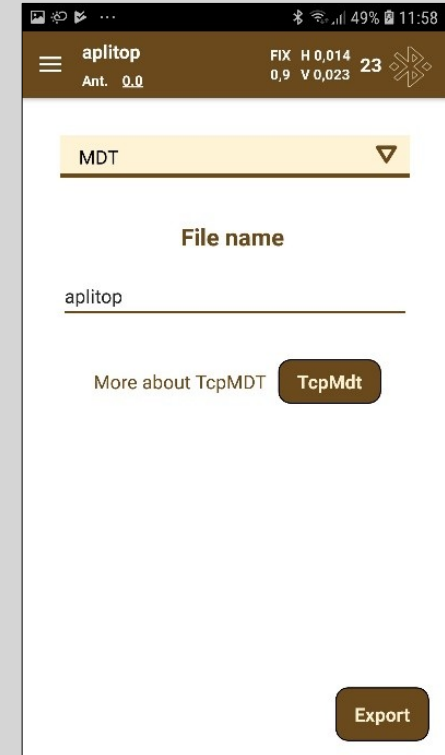
Device

Application

## Exporting Points

- Supported formats
  - TXT / PUN
  - DXF
  - KML/KMZ
  - GML
- Same default format
- **Recommended Aplitop Office Software**

Video 



## Exporting Raw Data

- Exported to text format with .gps extension
- It can be opened with Excel
- Example:

```
#Projected CRS: 32630 Geodetic Datum Shift: GDS_WGE Vertical CRS:  
Vertical Datum Shift: Local System: - dX: 0.000 dY: 0.000 dZ: 0.000
```

```
P   _005_ 10-10-2018 13:00:04 - 1 3643.887843 -427.660522 85.898  
0.000 1.6 23 8 0.014 0.023 - - RTK Fixed  
P   _005_ 10-10-2018 13:00:33 - 2 3643.879222 -427.657097 85.481  
0.000 1.6 23 8 0.014 0.023 - - RTK Fixed  
P   _005_ 10-10-2018 13:00:48 - 3 3643.933957 -427.610105 86.993  
0.000 1.6 23 8 0.014 0.023 - - RTK Fixed  
P   _005_ 10-10-2018 13:00:56 - 4 3643.906633 -427.652549 85.961  
0.000 1.6 23 8 0.014 0.023 - - RTK Fixed
```

Surveying

Stake out

Edit

Import

Export

Points

Raw data

Synchronize

Project

Device

## Synchronizing with Cloud

- Select a Google Drive account
- Select Google Drive folder
- Synchronization
  - Points
  - Photos
  - Voice notes

Video 

