

RockSTAR GPS Logging

How to enable GPS Logging on the RockSTAR

1. On the RockSTAR please navigate to the Main Menu -> Advanced -> Log to File.
2. Turn status to 'On' and set the 'Log Every' time to your preferred rate. 1 minute for example.
3. The RockSTAR will now log GPS positions to its internal memory and write to a GPX log file every minute when turned on.

Please be aware this **will use a lot of battery** so you may wish to plug the RockSTAR into USB power on the vehicle/aircraft/vessel/asset so that it does not go flat.

Once you have done some trips with the GPS logging enabled, remove the RockSTAR from the asset and plug it into a computer to download the GPX file.

Downloading the GPS Log file

1. Before plugging in the USB cable please select on the RockSTAR Main Menu->Advanced->Connect USB.
2. When successfully plugged into a computer you will be able to view any files on the RockSTAR as if it was a connected USB pen drive. The GPS files will be named and labelled with their date and the file type will be GPX.
3. Copy the GPX file to your computer. You can view the data for the GPX file with any text viewing program or Excel but the real power from this file is that you can convert it to a KML file which can be overlaid on Google Earth.

How to Convert the GPX file to KML File

The web site <http://www.gpsvisualizer.com/> converts GPX files to KML files. The following steps are using this web site. You may use another, preferred, web site if you wish.



Convert to File Options

1. Go to the website and click on [Google Earth KML](#) to create a detailed KML file.

Convert your GPS data for use in Google Earth

This form will import your GPS data file (e.g., GPX), or plain-text data (tab-delimited or CSV), and create a KML file that you can view in the Google Earth application or import into Google's "My Maps"/"My Places" system.

(To create GPX files, use the [conversion utility](#). You might also be interested in the [Google Maps](#) input form, which creates interactive HTML maps, or the [JPEG/PNG/SVG](#) form, which creates simple raster or vector graphics. To resize and/or colorize Google Earth markers based on a particular field, use the [data form](#).)

If you want to add altitude information to your KML file, enable the option labeled "Add DEM elevation data." GPS Visualizer's server hosts a 200GB database of digital elevation data that can be integrated into your data.

General map parameters show advanced options [+]

Output file type: .kmlz (zipped) Units: Metric

Google Earth doc name: [text input]

Add DEM elevation data: No

Time offset: [text input] hrs Add time stamps, if possible: No

Track options show advanced options [+]

Track opacity: 100% Line width: 4

Colorize by: Track (recommended) **Default color: Blue**

Altitude mode: Clamped to ground

Draw a shadow: No Tickmark interval: [text input]

Trackpoint distance threshold: [text input] Max. points per track: [text input]

Draw as waypoints: Yes, named with time stamps

Waypoint options show advanced options [+]

Waypoint labels: Labels on waypoints + tickmarks

Default icon: Small square Color: white

Show waypoints: In bounds of track plus padding

Altitude mode: Clamped to ground

Upload your GPS data files here: ?
(Total size cannot exceed 10 MB; .zip/.gz is supported)

File #1 Choose File 19-07-16.gpx

File #2 Choose File No file chosen

File #3 Choose File No file chosen

Show additional file input boxes

Create KML file

Open in new window

Save these settings • Load from saved

Or paste your data here: ?

name,desc,latitude,longitude

Force plain text to be this type: default

Or provide the URL of data on the Web:

Conversion Settings

2. A new page will open with a number of options. You only need to change a couple of these. The ones that you need to change are highlighted in the above image.
 - a. Default Color: Can be whatever you would prefer. Be mindful of the background color as it can be difficult to see the tracking if the colors are too similar.
 - b. Draw as waypoints: You will need to select 'Yes, named with time stamp.'

Upload your GPS data files here: ?
(Total size cannot exceed 10 MB; .zip/.gz is supported)

File #1 Choose File 19-07-16.gpx

File #2 Choose File No file chosen

File #3 Choose File No file chosen

Show additional file input boxes

Create KML file

Open in new window

Save these settings • Load from saved

Or paste your data here: ?

name,desc,latitude,longitude

Force plain text to be this type: default


Or provide the URL of data on the Web:

Choose the File

3. Click on the button 'Choose File' and navigate to where you have saved the GPS log file from the RockSTAR. Tick the 'Open in new window' box and then click on 'Create KML File'.

Google Earth output

Your GPS data has been processed. Here's your KML or KMZ file:

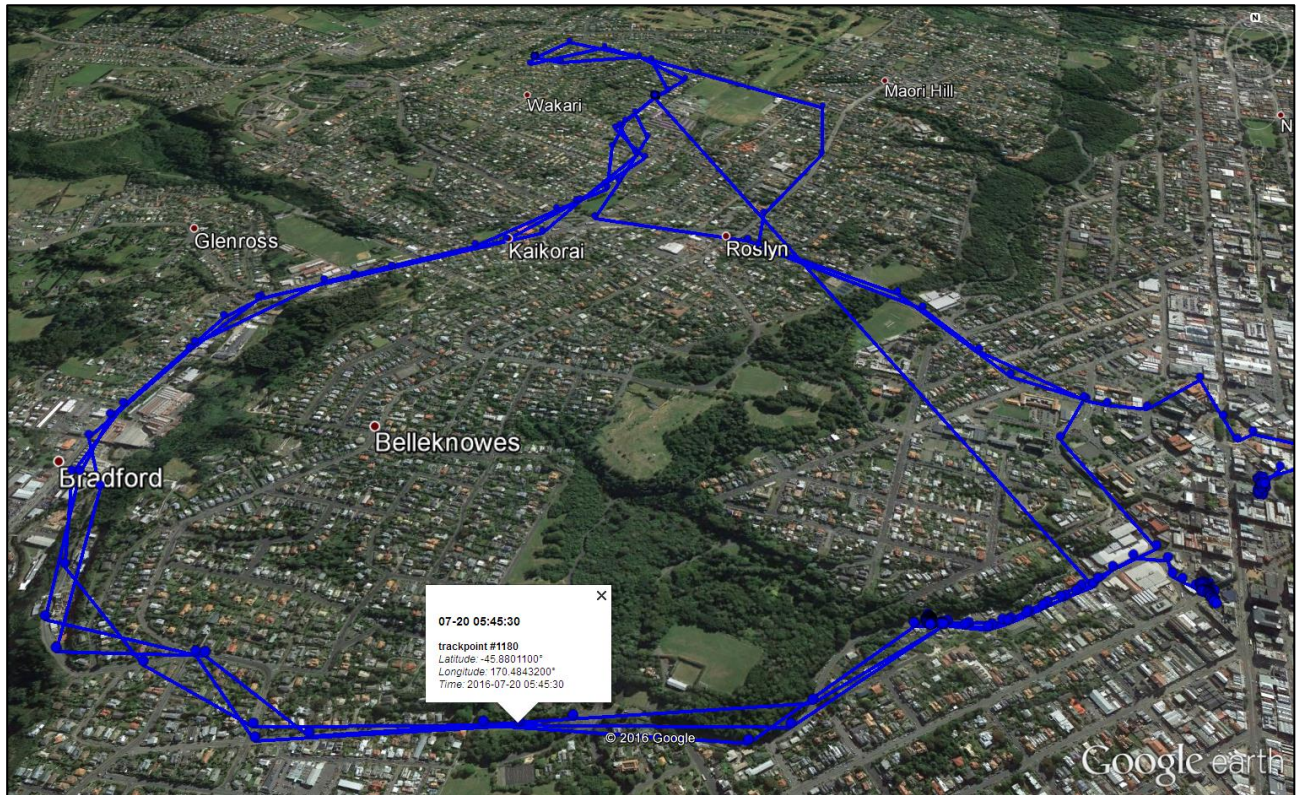
 [20170320190721-30142-map.kmz](#)

If you've already installed [Google Earth](#), clicking the above link should open the application. If something doesn't work like you expected it to, please [contact me](#) and explain the problem.

Save the New Created File

4. A new window will open up with the new KML file, which you can click to download and open in Google Earth. Right clicking on the name opens a sub menu that gives you the option of 'Saving As . . .' which will allow you to rename the file to something more appropriate.

Once the download is completed the file can be opened in either Google Earth or TracPlus Pro.



Should you have further questions please do not hesitate to contact the TracPlus support team on support@tracplus.com or call us on +64 (3) 477 8656.