

RC GPS

GPS receiver for RC Altimeter #2 series



Manual version: 1.1

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Introduction

RC GPS is a GPS receiver which calculates its position on Earth. It calculates longitude, latitude, altitude and ground speed. These parameters are then sent to RC Altimeter #2 and are stored for later review. With these parameters you can later track your flight in 3D with Google Earth.

Key features

- Lightweight at only **5 grams** without cable
- Small · 19 mm x 19 mm x 7 mm
- Plug & play
- Current consumption 40mA
- 20 channels parallel
- Built-in high performance SiRF Star III Low power chipset

RC GPS module

Figure 1 shows the RC GPS module. When connecting 4pin connector to RC Altimeter #2 please be aware that red point is on the same side that red point on RC Altimeter #2 module connector. When you install RC GPS module into plane you must turn antenna that way that gray side looks up towards sky and no metal/carbon plate/object is on its way. The best way is to put RC GPS module outside of plane/model.

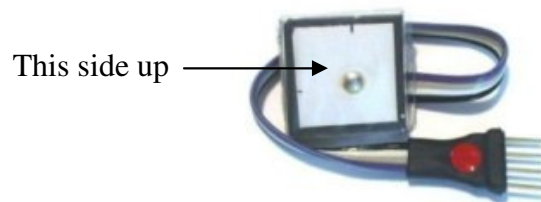


Figure 1. The RC GPS module

Specifications

Board Dimensions	19 mm x 19 mm x 7 mm 0.75" x 0.75" x 0.28"
Weight	5 grams (cable not included)
Temperature Range ¹	-10°C...+60°C
Current consumption	40mA
Setup time	2-3min

¹ Specifications are taken from component ratings and system limits and may not have been tested to the full extent of the specified ranges.

Operating with RC GPS

Please connect RC GPS module first to RC Altimeter #2 and then power up the system. When you connect RC GPS to RC Altimeter #2 BASIC LED will start flash after good GPS reception is established. If you use it with RC Altimeter #2 PRO and T1000 system, after good GPS reception is established, you will see distance and speed parameters on T1000 menus. It may take from 2-3 minutes after power up system to good GSP reception.

When you download data from RC Altimeter #2 and you had RC GPS connected to it in past you will get notice that GPS data is available. You will be able to see speed graph and export GPS data to *.kml file for 3D flight view.

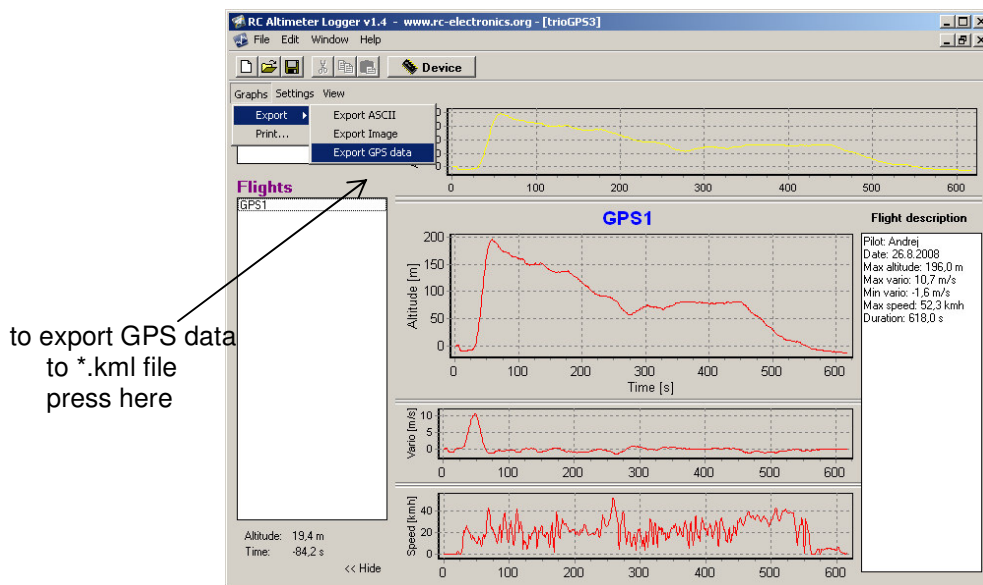


Figure 2. speed graph

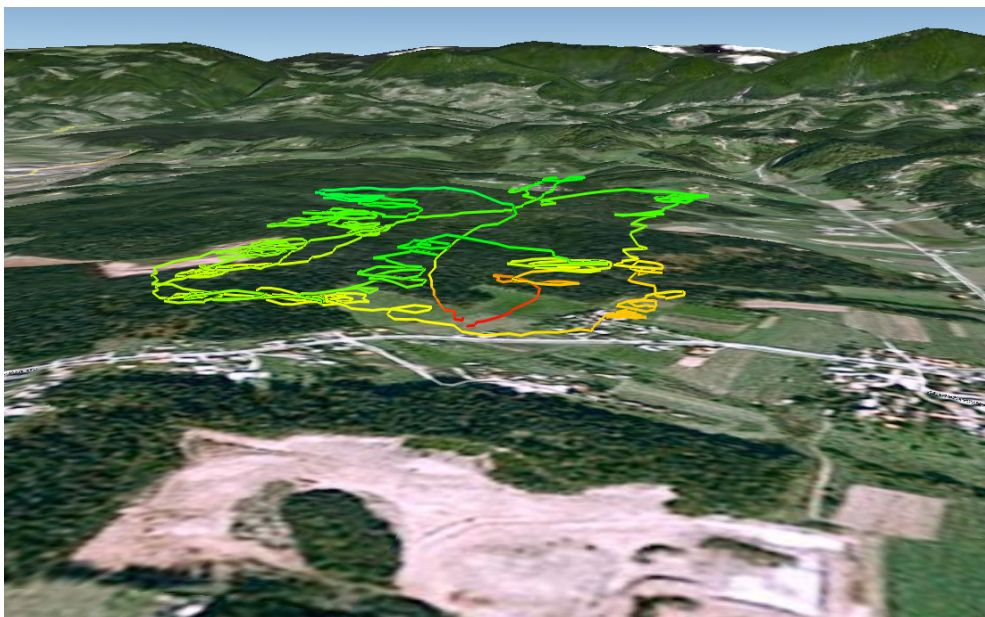


Figure 3. 3D flight in Google Earth