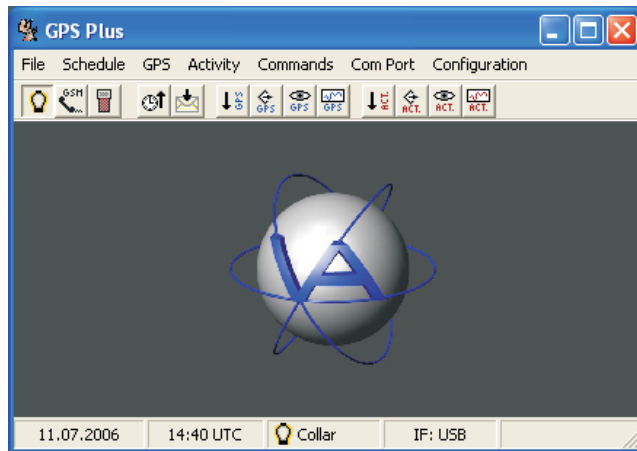
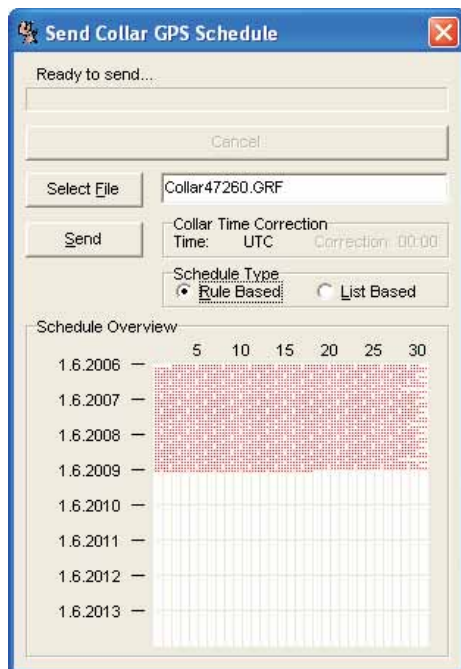


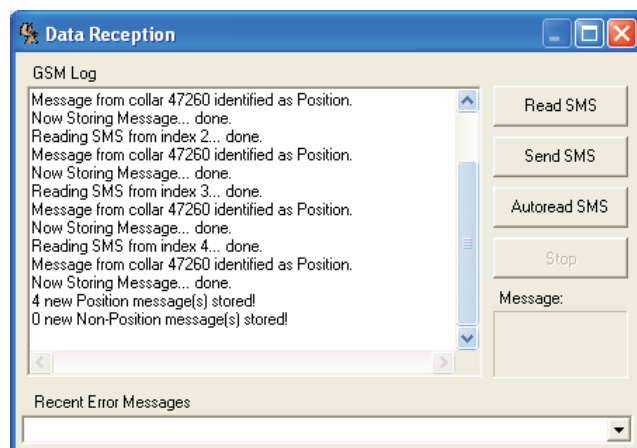
# VECTRONIC AEROSPACE PRESENTS GPS Plus Collar PC-Software



GPS Plus Software startup screen



Loading a GPS schedule into a collar



Receiving collar SMS messages

## GPS Plus

### All you need in one!

Our All in One software solution for control, configuration, data transmission, and data analysis for all our collar systems. It provides proven functionality in practice for years when it comes to configuring your collar, retrieving data from your collar, handheld terminal, or GSM base station as well as simple to use methods for data export and analysis.

## Collar Configuration

### Control is everything!

- Flexible and powerful schedule for GPS, UHF, VHF, and ARGOS
- Check your schedules in a schedule chart to prevent errors that could ruin your project
- Freely configurable mortality or hibernation delay time and wake-up activity level
- Configure UHF communication times to improve battery lifetime
- Get and archive an overview of your collars configuration by saving a collar information file
- See the state of your collar at an instance in the collar telemetry: Number of fixes, time, battery voltage, operating state etc.

## Retrieving Data

### You get what you want!

- Flexible interface: No matter what your computer has available: USB or serial interface (Rs232)
- Read out data directly from collar or handheld terminal: The result is always the same
- Receive collar SMS messages: Either with your own GSM Base Station or via email from VECTRONIC Aerospace's customer GSM Base Station
- Forward incoming collar SMS messages via email: No matter if position or mortality message: Your team and/or colleagues will always be up to date
- Send incoming position messages in NMEA format directly to a mapping software via a direct TCP/IP connection. Native support for TTQV (<http://www.TTQV.com/>).



## Exporting Data

### Make your data available!

- Export your position and activity data to multiple file formats: ASCII, Spreadsheet (CSV), DBase Table, XML (such as GPX, KML (Google Earth))
- Convert the default GPS coordinates (WGS84) to over 400 coordinate systems and almost 100 reference systems including a user definable system.

## Analyse Data

### See what's behind the numbers!

- View the activity and temperature of the animal in a chart and export only the visible part
- Make more advanced activity analysis like day/night ratio, average per day, and harmonic portion
- View the positions in a chart: Zoom in and out, use degrees or kilometres as scale

## SQL Data Base connectivity

### Discover the power of Database!

Through a supplemental database tool it is possible to feed all accumulated data into a SQL database like MySQL or MSSQL (optional: Oracle, PostgresSQL, Firebird and others).

This tool allows to access your collar data in multiple ways. For example:

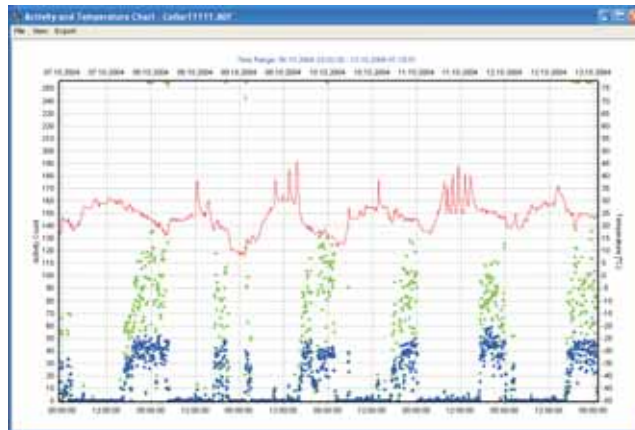
- Access data belonging to one or more projects or animal species.
- View animals located in a defined area (at a certain time)
- Select animals depending on their activity
- Make analysis of activity, position, and mortality
- Access data with external programs like GIS systems

## Additional Tools

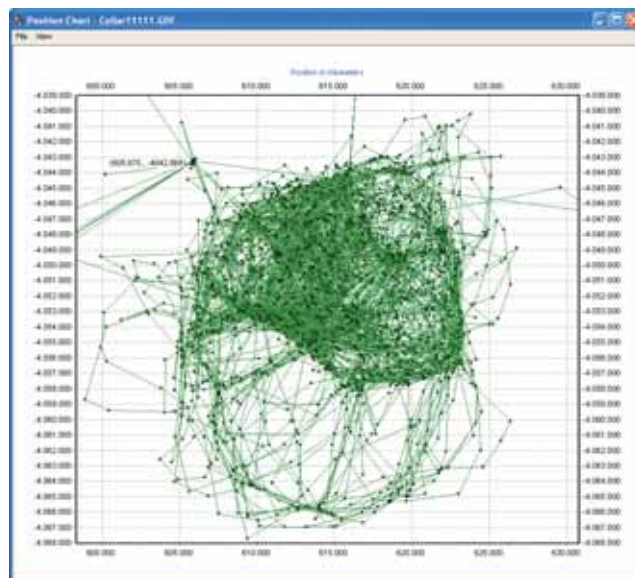
### Additional value for you!

Together with GPS Plus come two additional tools you'll probably find helpful.

- The Colour Selector lets you easily select any colour you want from a huge palette for your collar. Of course you can combine any colour to a pattern you need. Just ask us!
- The NMEA Player is a tool to simulate an GPS device connected to serial port of your computer. Just select a virtual or a real Com Port to which the data should be delivered, load a file and the Position data can be received from any program capable of receiving NMEA navigation data from a serial device. It connects also to the mapping software TTQV (<http://www.ttqv.com>) via a TCP/IP connection or any other application understanding NMEA via TCP/IP.



Activity chart of an animal



Position chart of an animal

```
GPS Plus - NMEA Player
03.06.2002 16:55:07 0 11 2204
$GPRMC,165507,A,5225.81647,N,01331.55028,E,0.0,030602,0.0,0.0,0.0,0.0
$GPGLL,5225.81647,N,01331.55028,E,165507,A,00
$GPGGA,165507,5225.81647,N,01331.55028,E,1,1,126.7,M,0.0,0.0,M,0.0,0.0
$GPDZDA,165507,03,06,2002,4D
```

NMEA Player with data