



## GPS Splitter

### Get Full GPS Data Interoperability

Radio IP Software, the industry expert in interoperable communications, now offers an open, format-independent GPS data solution, freeing mobile users from narrowly restrictive and expensive GPS applications. GPS Splitter (patent-pending) allows any application to integrate GPS data regardless of the source format, protocol or device from which the data originates. The result is that *all* GPS data formats are now usable in every mobile application.

By breaking the bonds of restrictive GPS application formats, previous limitations associated with accessing and sharing GPS data among diverse applications are removed. For example, large mobile fleets, using expensive centralized applications, can now add navigational and mapping tools such as Garmin® Streetpilot® or Delorme Earthmate® at off-the-shelf prices.

### Interoperable Mobile GPS Environment

GPS Splitter data is format-independent and compatible with any application, receiver device or transport protocol.

### Optimum GPS Functionality at a Lower Cost

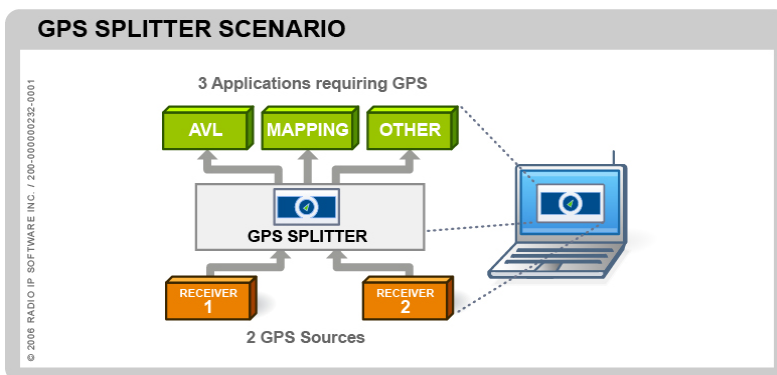
No need to invest in expensive mobile mapping or navigational modules, instead use off-the-shelf applications for mobile users.

### Multiple Application Support

Leverage the power of GPS for multiple laptop applications simultaneously.

### Easy-to-Use

Simply load GPS Splitter on a mobile unit and set the GPS source(s). GPS data will be converted to use with the mobile application.



## Product Sheet

### GPS Management Tools

#### A sampling of supported GPS formats:

TAIP (Trimble), NMEA 2.0, Dataradio DCF, Opensky and other proprietary formats

#### Transport protocols:

UDP/IP, TCP/IP serial ports or virtual serial ports

#### Ways that GPS devices can be connected:

Embedded in the mobile computer, connected via USB port, connected via serial port, embedded in the RF modem, embedded into the cellular modem, connected to the modem directly...

*Imagine a PDA or mobile laptop running Microsoft® Streets & Trips seamlessly downloading format-independent GPS data. Highly accurate data that is fully compatible regardless of source, application destination, or connection requirements. It no longer matters which low cost GPS navigation software the mobile is using. With GPS Splitter, the GPS data is autonomous!*

[More...](#)

## What GPS Interoperability Means to the Mobile User

### Makes All GPS Data Application-Ready

A PDA or mobile laptop with an embedded GPS device is running the NMEA - based *Microsoft® Streets & Trips* and a TAIP-based AVL or CAD system. Until now, these applications could not share a single source of GPS data due to format incompatibility and data access restrictions. Radio IP Software's GPS Splitter acts as an intelligent translator, downloading one application's protocol format (NMEA) and then dynamically and seamlessly converting it to the other application format (TAIP). The user can now use these diverse applications concurrently without concern for proprietary format restrictions, freeing them to choose applications based on needed functionality, not compatibility.

### Facilitates Flexible Communications

With GPS Splitter any mobile user, running multiple applications, also has the flexibility to simultaneously grab the GPS data on the serial port for his navigational software while opting to use UDP/IP or TCP/IP to communicate the fully translated data to the AVL or CAD applications. Again, there is a full combination of data format or transport configuration possibilities because GPS Splitter makes the environment fully interoperable. Additionally, GPS data output can be sent to multiple, otherwise "incompatible", destinations on the computer and beyond.

### Run Multiple GPS-Based Laptop or PDA Applications at Once

No longer does the laptop user have to shut down the navigational software to work with the mapping program. GPS Splitter removes the hardware restriction of a single serial port by creating multiple "virtual" serial ports. Multiple GPS applications can now run with a single GPS data source.

## GPS Splitter

### Technical Requirements:

- o Microsoft® Windows® 2000, XP, Pocket PC

### Technical Overview:

Installed on the PDA or mobile computer, GPS Splitter takes information from your GPS receiver

- o Calculates and utilizes the most accurate GPS information at a given time

Sends the GPS information to multiple destinations (applications) on the mobile device

- o Sends information over a UDP/IP or TCP/IP serial port or virtual serial port, depending on how your applications want to receive GPS data.
- o Format conversion of GPS data
- o Filter GPS messages

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