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## TDS Nomad – GPS Driver

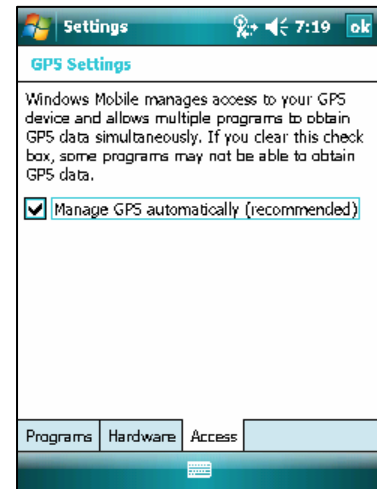
SEPT 2007

### Using the Intermediate GPS Driver

The purpose of the Microsoft® Intermediate GPS Driver is to allow multiple GPS-aware applications to simultaneously receive data from a GPS receiver. If you only run one GPS-aware application at a time, then you do not need to enable or configure the Intermediate GPS Driver.

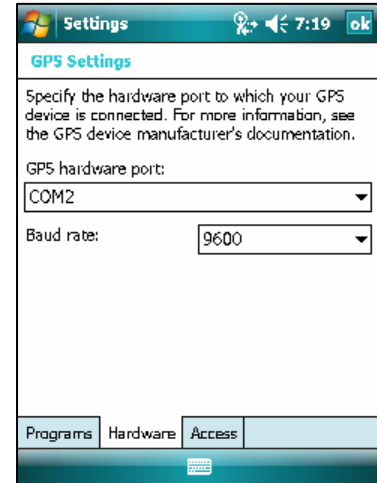
The Intermediate GPS Driver is disabled by default in the Nomad™ operating system.

To enable the Intermediate GPS Driver choose **Start > Settings > System > GPS > Access**, and check the box to “Manage GPS automatically”.



Open the **Hardware** tab to set the GPS hardware port.

- If you are using Nomad’s built-in GPS receiver, then set the hardware port to COM2.
- If you are using an external GPS receiver which is connected to Nomad’s (optional) 9 pin port, then set the hardware port to COM1.
- If you are using a Bluetooth GPS receiver, then set the hardware port to the serial port which is assigned to that Bluetooth receiver.

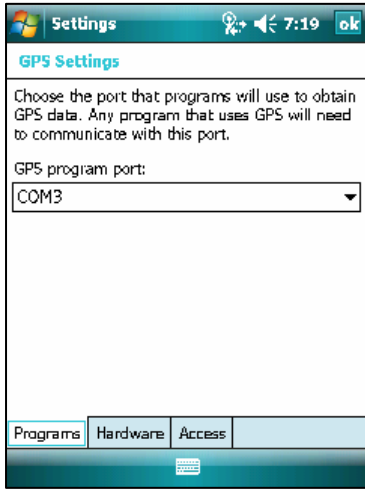


Set the baud rate to the baud rate of the GPS receiver.

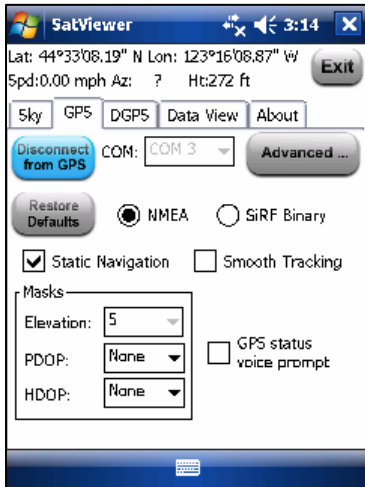
Note that the default baud rate of your Nomad’s internal GPS receiver is 9600. The screenshot (right) assumes that you are using the Nomad’s built-in GPS receiver and that it is at its default baud setting.

Open the **Programs** tab to set the GPS program port. The program port can be set to any available port. Programs which need to use GPS data will be able to receive that data by opening the GPS program port. In the example the next page, the GPS program port has been set to COM3.

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Launch the first GPS-aware application. In this example, we will assume that you want to run TDS SatViewer simultaneously with BackCountry Navigator. Configure SatViewer to communicate with the GPS radio on COM3 at 9600 baud, and wait until it has connected with the GPS radio.



Launch BackCountry Navigator, open the **GPS** tab, select COM3 at 9600, and then tap on **Connect**. It will also connect to the GPS radio, even though SatViewer is already communicating with the GPS radio.

