Step 5 Review COM Port Settings and Embedded Charts

The Marine-PC Generic Software default settings can be reviewed in the Devise Manager window (Start> Control Panel> Hardware and Sound-Device Manager). Expand PORTS to view the 6 Communication Ports.
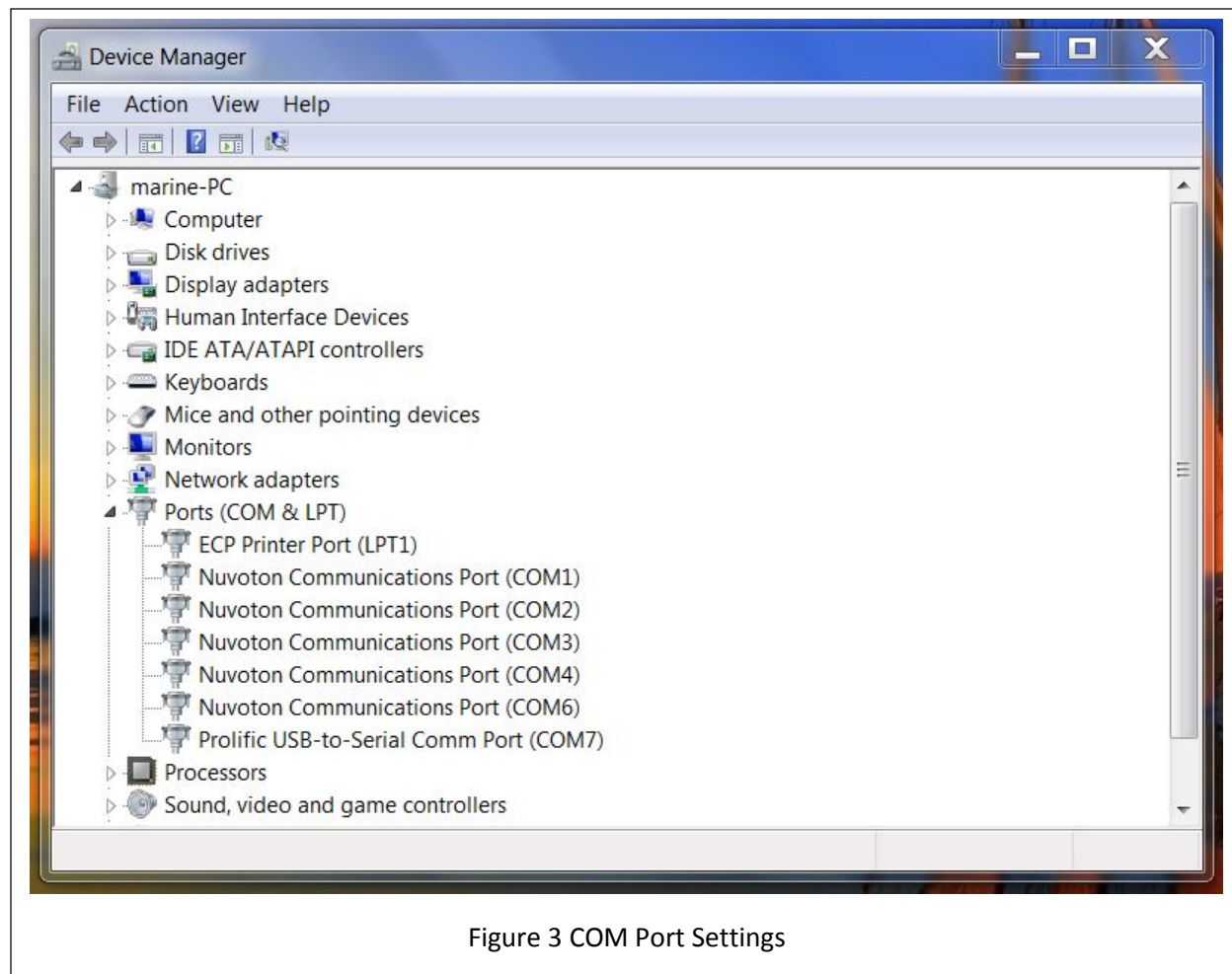

Figure 3 COM Port Settings

All 6 COM Ports seen use the Windows default, e.g. bps 9600, data bits 8, parity none, etc. The Marine-PC's embedded GPS Receiver is assigned the Prolific USB-to-Serial Com Port (COM7). The COM6 port is not connected and could be used for a future option, such as a AIS Receiver. The first 4 Communication Ports can be assigned to the operating programs, as required. They correspond to the 4 Marine I/O ports on the Marine-PC's Back Panel.

The embedded generic software image includes Navigation Charts found under documents (Start> Documents> Charts). These include; all NOAA ENC CHARTS, all NOAA RNC CHARTS, all USACE ENC CHARTS, and selected charts of the UK provided with the PolarView NS License.

Step 6 Review Imbedded Programs

The imbedded programs include:

- NavMonPc
- PolarView NS and
- OpenCPN.

NavMonPc is an, Open Source, Windows program for the capture, display, and playback of NMEA-0183 data. It is not intended to replace a chart plotter – NavMonPc does not display standard navigational charts -- but instead this program is designed to supplement your chart plotter and provides additional features and convenient access to important navsystem data. The Sailboat Icon on the taskbar will open NavMonPc and its' PDF stored User Manual's Icon is on the upper right screen.

The embedded image of NavMonPc has assigned Serial Port C to the GPS Com Port 7 (file> Connections> Serial Port C). The receipt of the GPS NMEA messages will show a green field in the open window. Serial Port B Multiplexes all received NMEA messages and outputs them on Com Port 2. The received NMEA messages are also output on the TCP/Server Port that, in turn, is assigned to the INTRABOAT Wireless Network.

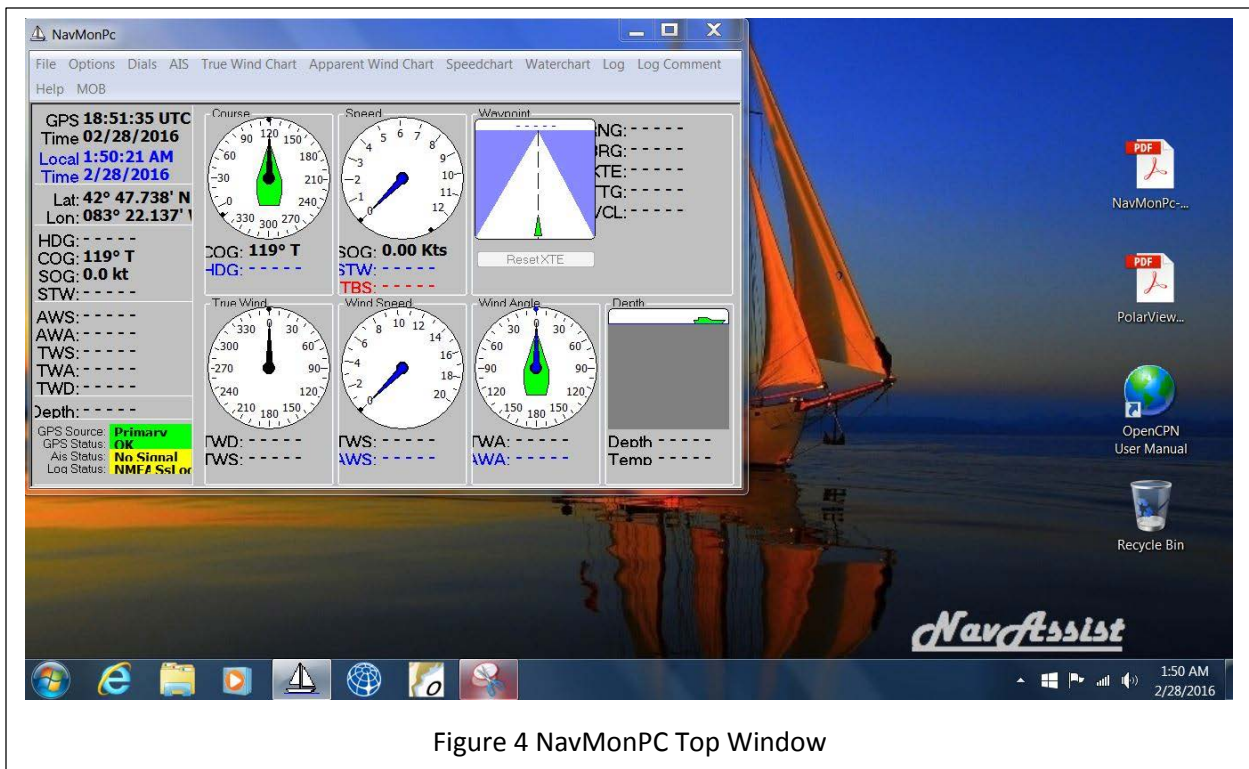Any network terminal client portable PC or other intelligent wireless device can receive these messages for independent navigation, instrument monitoring, etc.

Figure 4 NavMonPC Top Window