

Date: December 15, 2005  
Product: GNSS Solutions V2.0 / ProMark 3 V1.0  
Subject: ProMark3 Data Downloading: Installation & Operation

**A. Important Notes:**

- ProMark3 is an “access-restricted” platform: direct USB connection with Active-Sync will not work.
- GNSS Solutions require a dedicated driver to communicate with ProMark3 on a USB port. Therefore the communication between the unit and the office software is seen as “via cable” rather than “USB.”
- The USB driver will be assigned to one of the PC USB ports. Always be sure to reuse the same port.
- Communication is established between GNSS Solutions and ProMark3 application. Be sure to have the ProMark3 application running and connect the unit to the PC before launching **Download**.

**B. GNSS Solutions Installation**

1. Insert CD
2. Select your language
3. Select **Install GNSS Solutions...** (See screen below)
4. Follow the InstallShield wizard. We recommend you accept the default settings

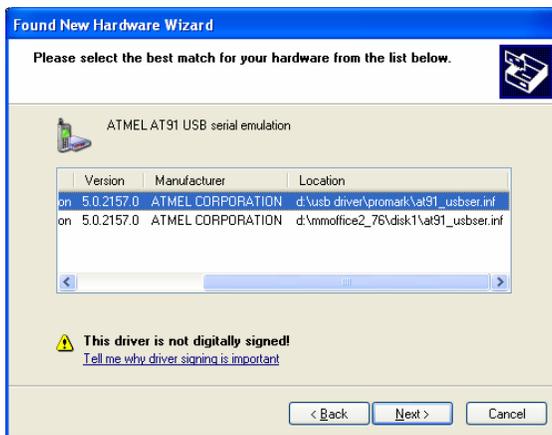


Note: GNSS Solutions replaces GNSS Studio. If you already have GNSS Studio installed on your PC, selecting “Install GNSS Solutions...” will guide you to first

uninstall the older program. You then will need to select “Install GNSS Solutions...” a second time.

### C. USB driver Installation

5. Turn on your ProMark3
6. Connect the unit to your PC using the USB cable supplied with the unit
7. Windows will inform you that a new USB device was found and guide you through its installation. We recommend you select the automatic detection on the CD.
8. Windows will display the drivers found on the CD. Select the one corresponding to the ProMark3.



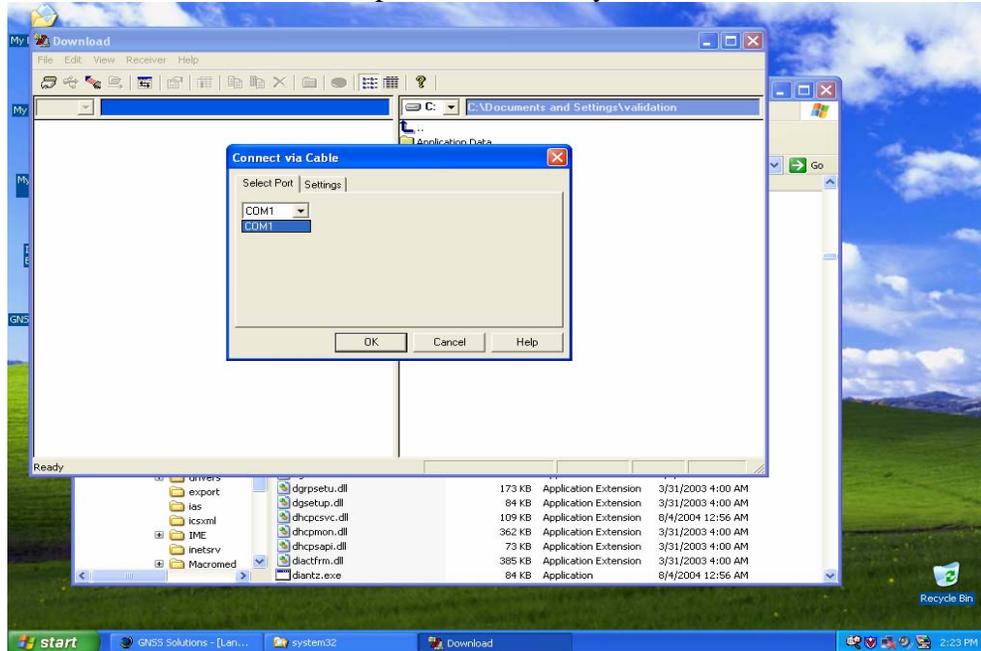
9. The driver is not signed by Thales, so click **Continue Anyway**



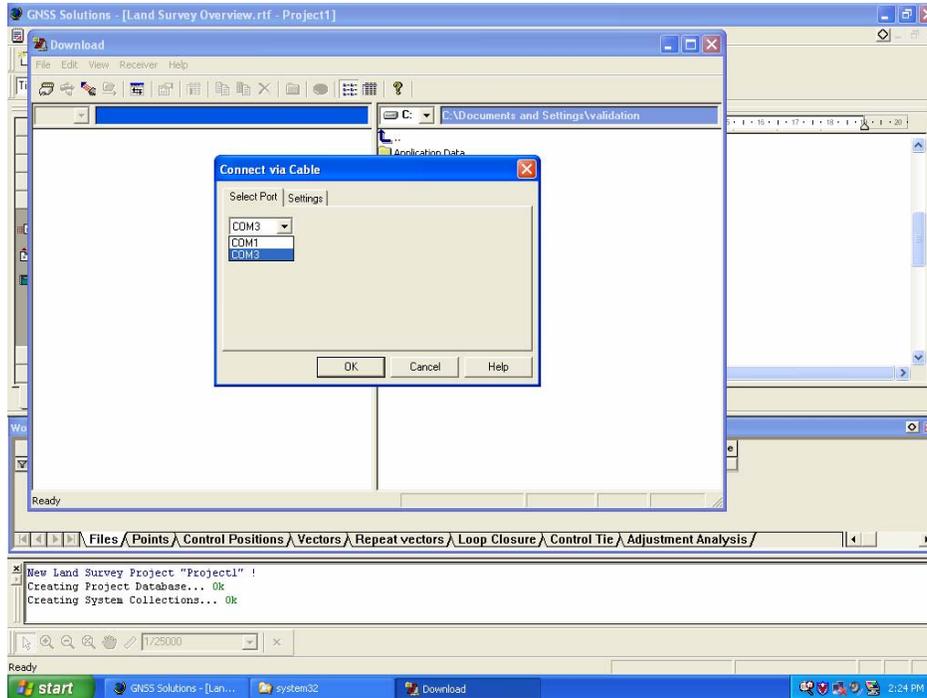
### D. USB port identification

10. Disconnect ProMark3's USB cable

11. Launch **Download** from the Windows Task bar on the PC: **Start > Programs > GNSS Solutions > Tools > Download**
12. Select **File > Connect > Receiver > Connect via cable**.
13. Make a note of all the COM ports identified by **Download**

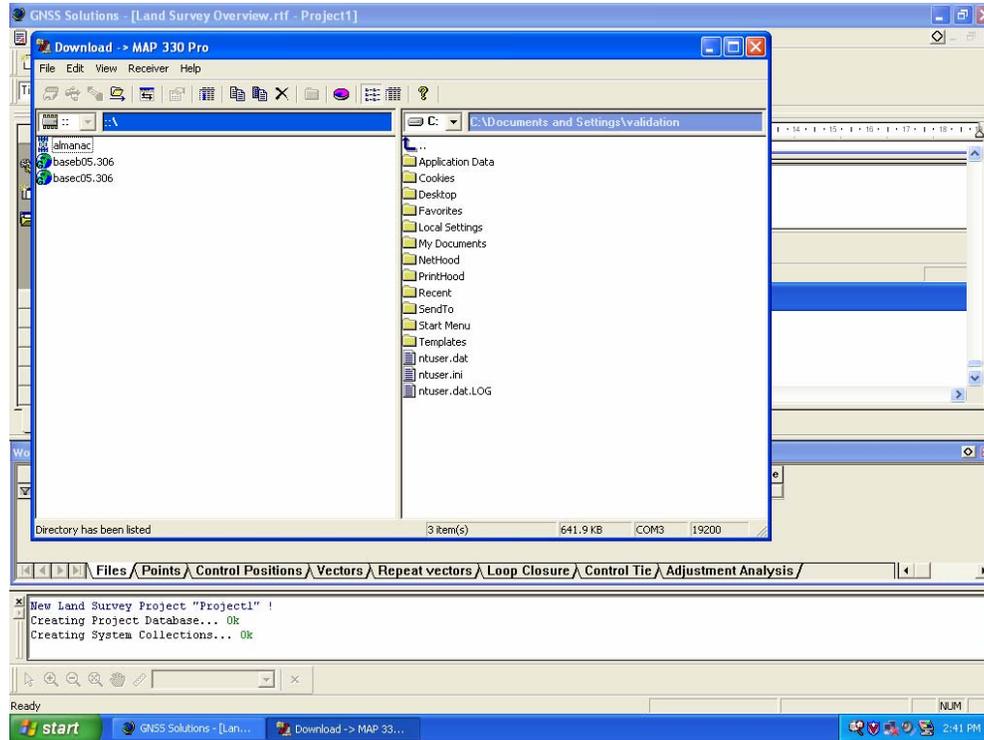


14. Close **Download**
15. Turn on the ProMark3 and connect it to the PC using the USB cable (on the same USB port as in the previous steps)
16. Relaunch **Download** from the Windows Task bar on the PC: **Start > Programs > GNSS Solutions > Tools > Download**
17. Select **File > Connect > Receiver > Connect via cable**
18. List all the COM ports previously identified by **Download**. There should be a new port in addition to those listed in Step 13. This is the port used by **Download**



### *E. Connection through USB port*

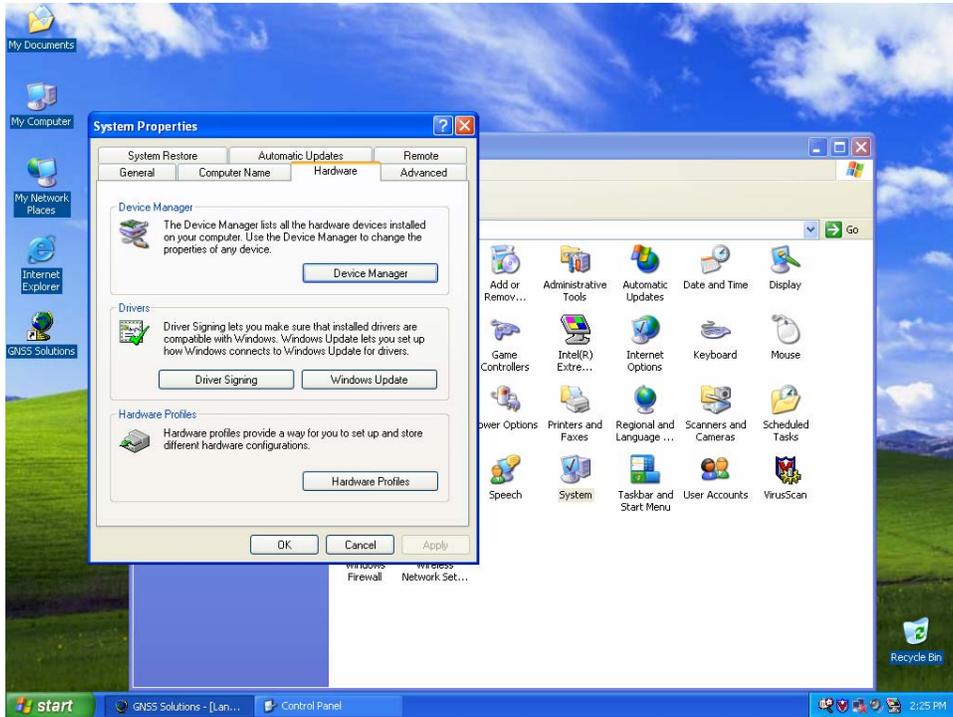
19. Turn on your ProMark3 unit
20. Launch the unit's **Surveying** application
21. Connect the unit to your PC using the USB cable supplied with the unit. Use the same USB port on your PC that you previously used
22. Launch **Download** from the Windows Task bar on your PC: **Start > Programs > GNS3 Solutions > Tools > Download**
23. Select **File > Connect > Receiver > Connect via cable**
24. Select the COM port identified in Step 18
25. **Download** will list all the files in your ProMark3 unit



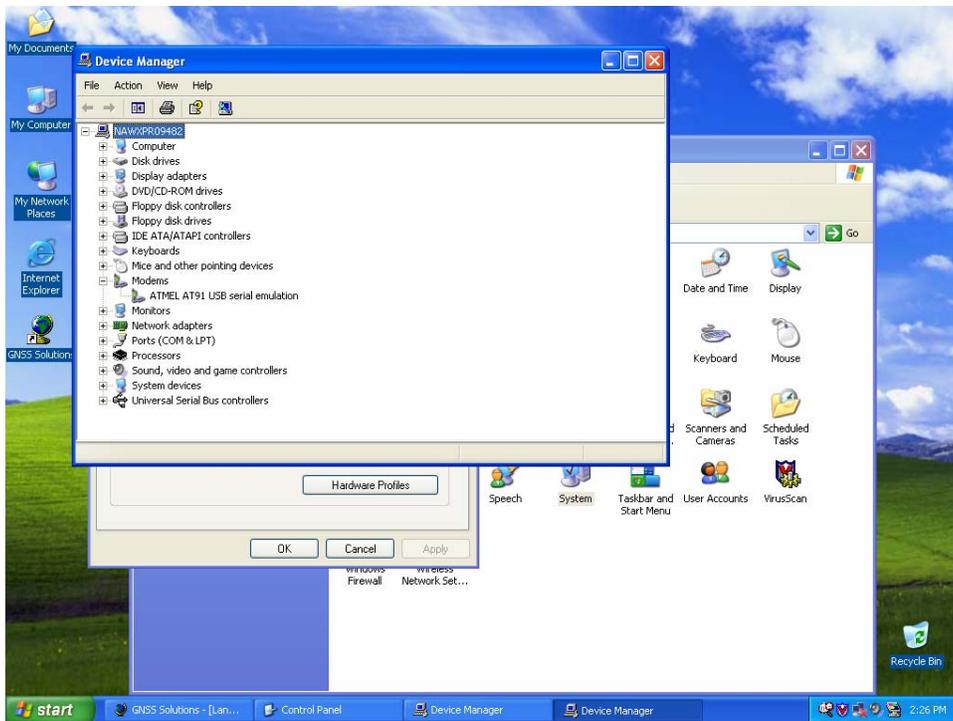
## *F. USB port agreement*

There sometimes is a difference between the USB port identified by **Download** and the one memorized by Windows. To confirm that the proper port is used do the following:

26. Turn on your ProMark3 unit
27. Connect the unit to your PC using the USB cable supplied with the unit. Use the same USB port as previously on your PC
28. In the Control Panel, select **System > Hardware > Device Manager**

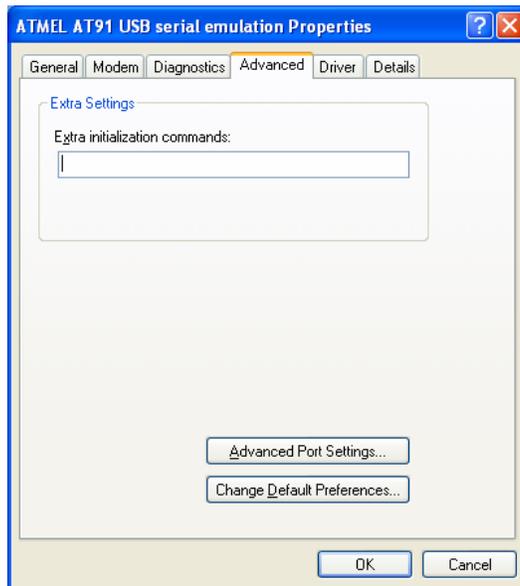


29. Click **Modems** > **ATMEL AT91 USB Serial simulation**



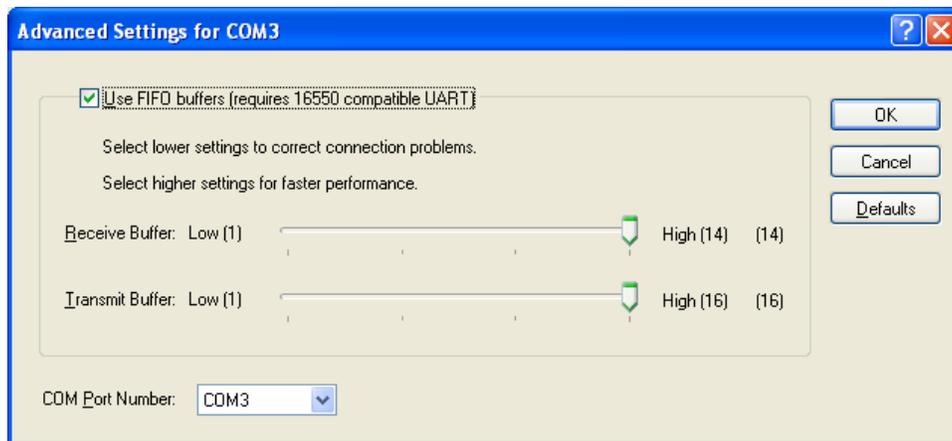
30. Right-click and select **Properties**

31. (Left) click **Advanced** > **Advanced Port Settings**



32. Verify that the COM port number corresponds to the one suggested by **Download**. If not adjust accordingly

33. Adjust the **Receive** and **Transmit** buffer settings as shown below:



34. If the ProMark3 unit is not powered on, or if its **Surveying** application is not running, there will be a connection error:



### ***G. Downloading ProMark3 Data Using MobileMapper Transfer (MobileMapper Office's Download Utility)***

1. Launch MobileMapper Transfer from the Windows Task bar on your PC: **Start > Programs > MobileMapper Office > MobileMapper Transfer**. If MobileMapper Office is already running, you may click **File > Download from GPS)**
2. Select **File > Connect > GPS Device via cable** sad. MobileMapper Transfer will automatically detect the COM port used by the ProMark3's USB cable and list the files on your ProMark3's SD card in the left pane
3. On the right pane, browse to the target directory you wish to transfer the files into
4. On the left pane, click the file(s) you wish to download and drag them over to the right pane

