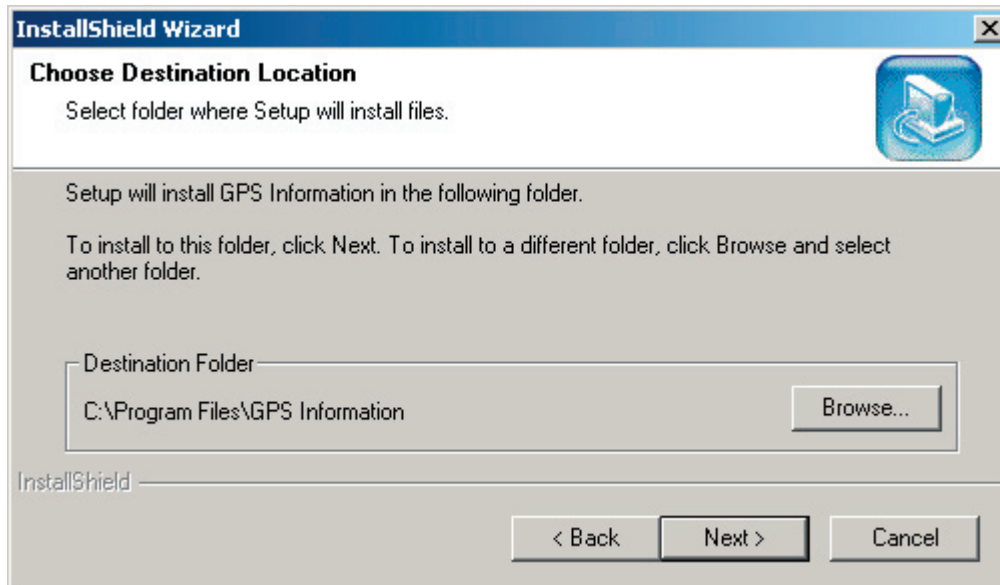


# **GPS Information User Manual**

## GPS Information Installation Procedure

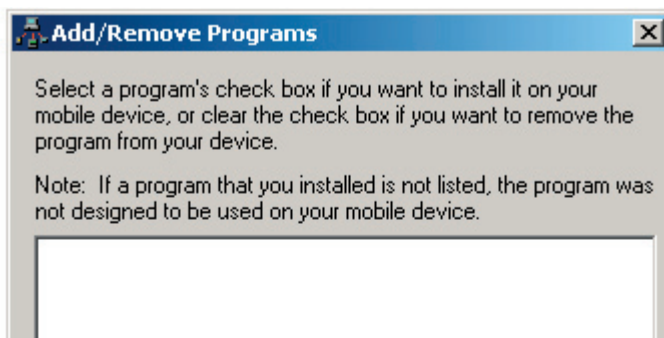
You can use the "GPSinfo.exe" program to verify that the your GPS device is correctly configured and under a proper working status. Also, you can use this program to enable WAAS/EGNOS and power saving mode.

**Note:** Double click "GPSinfo.exe" can install the program to your PC. If you also want the program to be installed in your PDA, please connect the PDA to PC. The ActiveSync will help to install the program to your PDA.



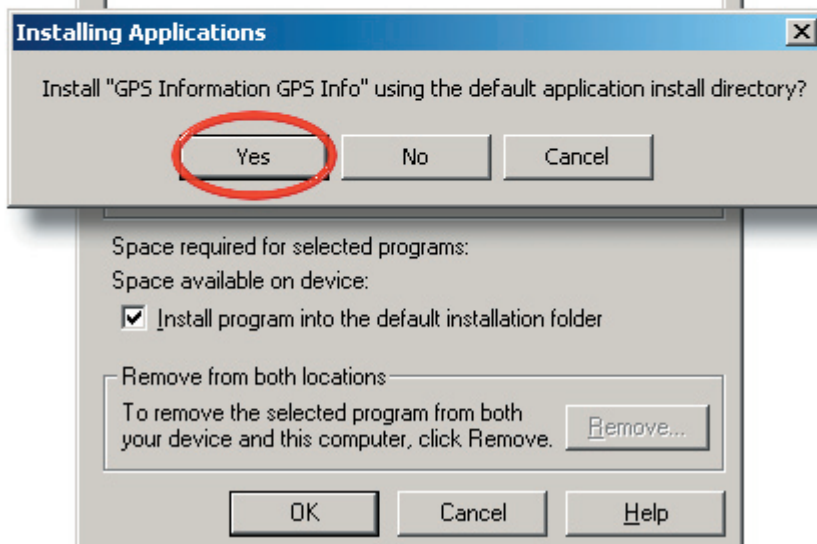
### STEP 1.

In the CD, find the "GPSinfo.exe" file and double click on it to start the installation. The InstallShield Wizard window will show up, click **Next** button.



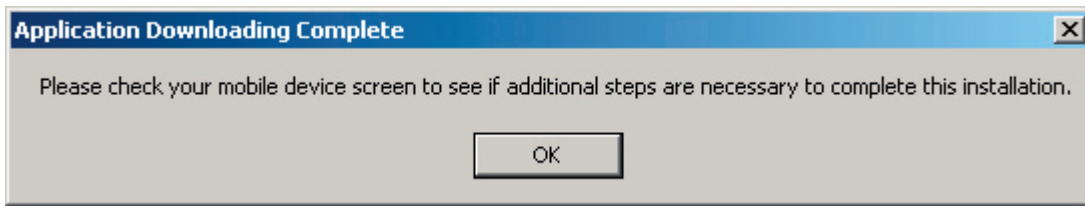
### STEP 2.

Follow the given instructions to complete the installation. If you have a PDA connected, the ActiveSync will automatically help to install the GPinfo program to your PDA. If there is no ActiveSync installed in your PC, you will not see this dialog box.

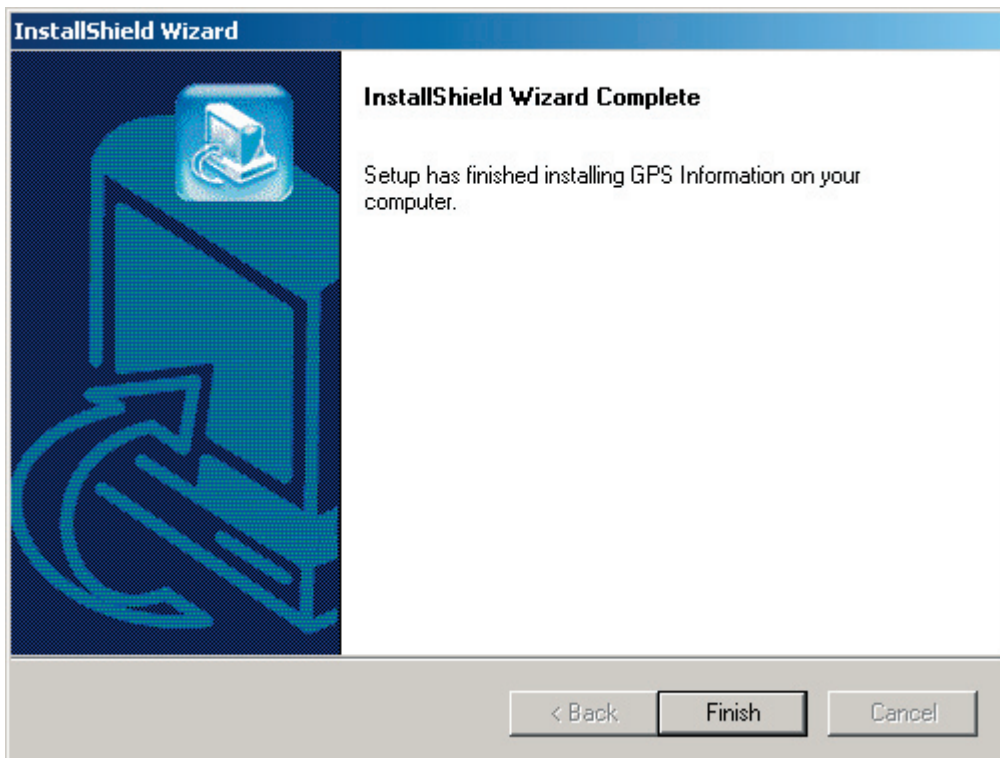


**STEP 3.**

Click **OK** to continue.

**STEP 4.**

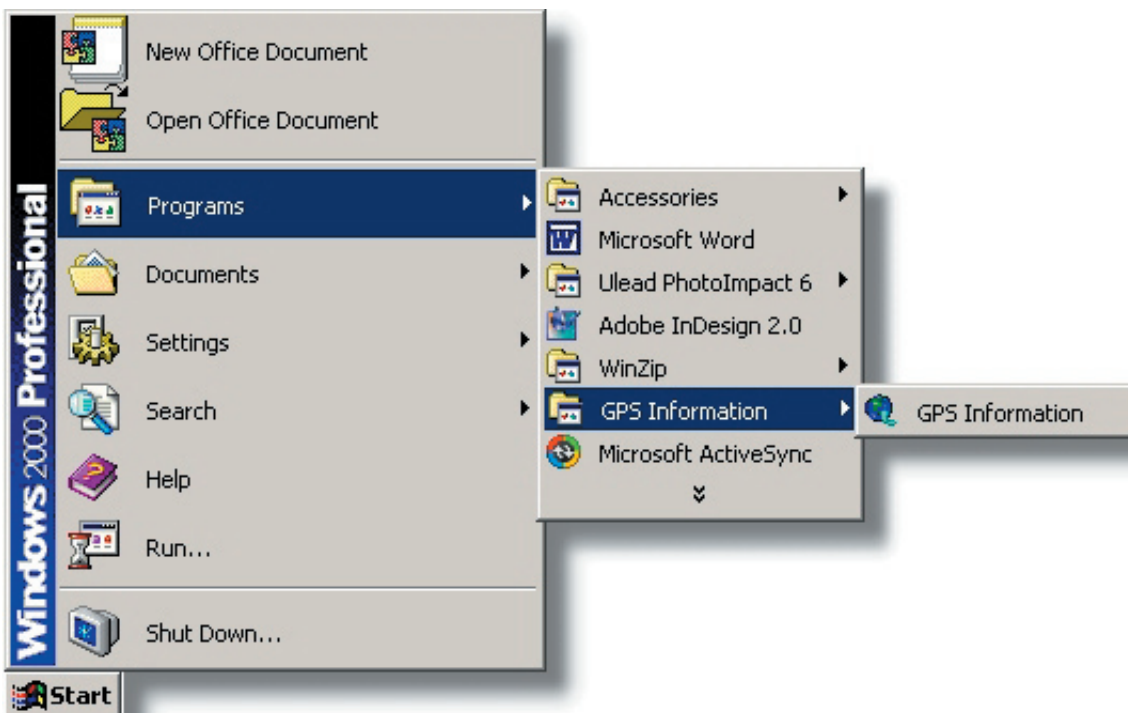
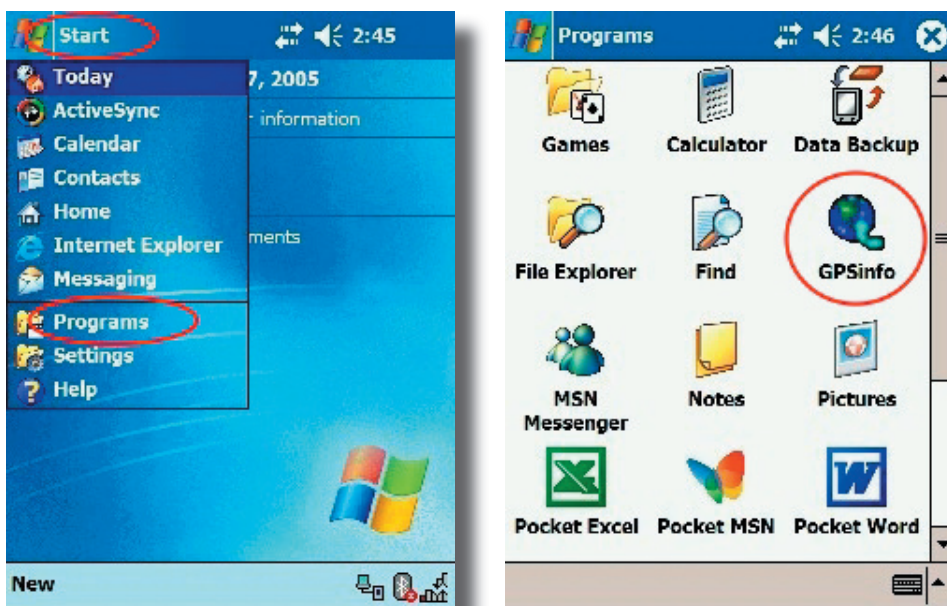
Click **Finish** button to finish the installation.



## Test the GPS device by using “GPSinfo” program

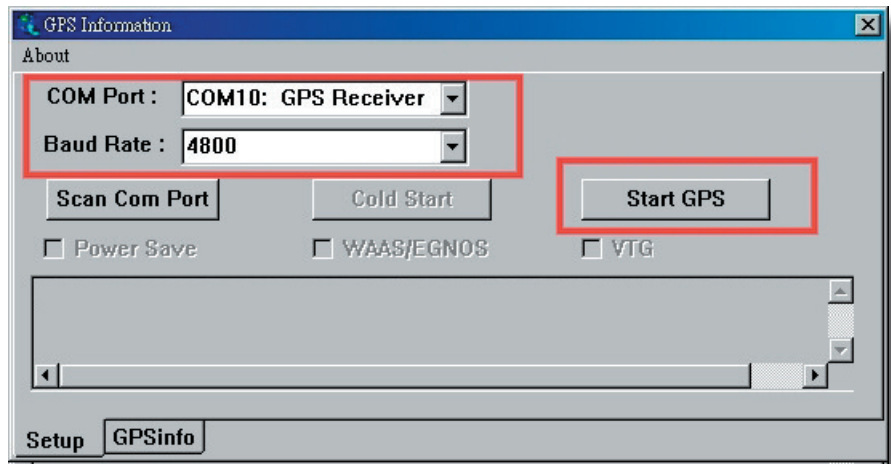
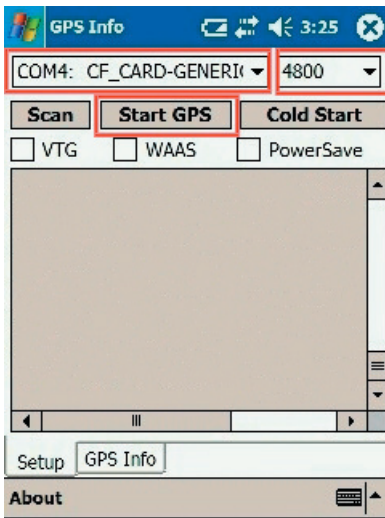
1. Make sure your GPS device is properly connected or inserted.
2. Start GPSinfo program.

In your PDA, tap **Start**, **Program**, and tap **GPSinfo** icon.

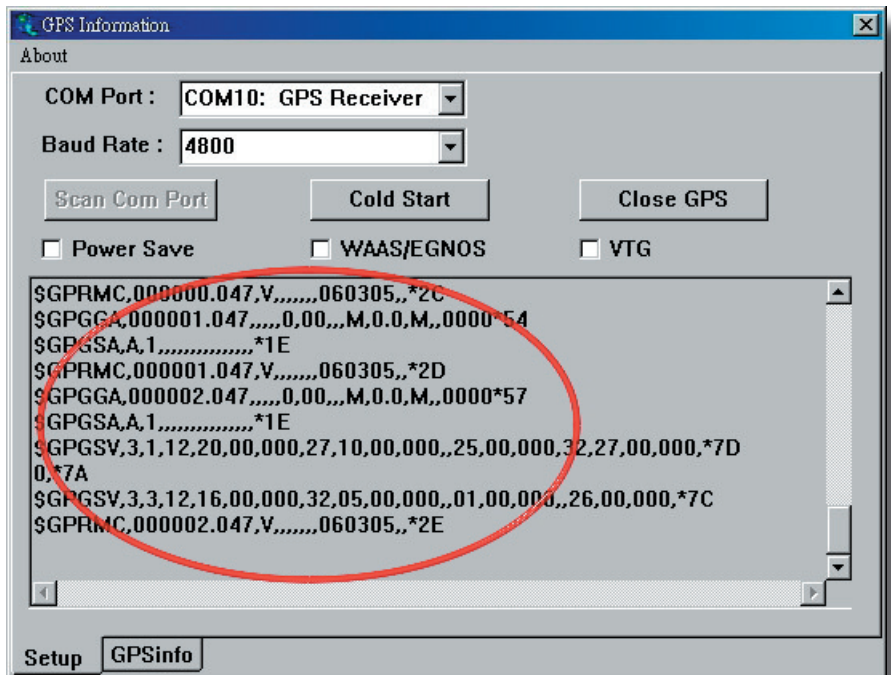
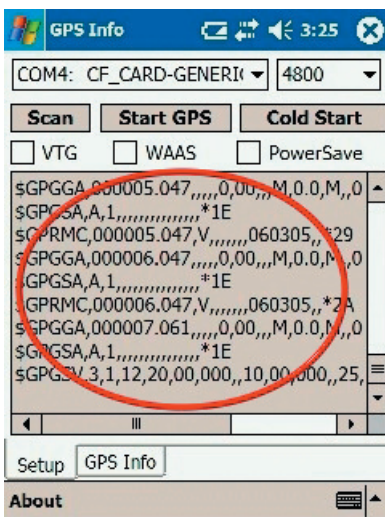


In your PC or Notebook, you can double click the **GPSinfo** icon from desktop, or click from **Start / Programs / GPS Information / GPS Information**.

3. Select the appropriate communication port. (It might be necessary to try each available port to find the right one since the default communication port varies in different hardware device.)
4. Set the Baud rate. (Bluetooth device set to 38400, others set to 4800.)
5. Click **Start GPS** button to activate the GPS receiver.



6. Upon successful connection, GPS output data should be displayed in **Main GPS data** window. If no data is observed, remove the device and insert it again, or select another communication port.



7. Satellite status can be observed in the **GPS info** window.
8. Please make sure to de-activate the GPS device before exiting this program.

# GPS Information Screen Shots

1 — COM Port : COM10: GPS Receiver

2 — Baud Rate : 4800

3 — Scan Com Port

4 —  Power Save  WAAS/EGNOS  VTG

5 — Start GPS

6 — Cold Start

7 — Start GPS

8 —  VTG

9 — Satellite Map

10 — Date: 2005/08/25

11 — Time: 16:16:35

12 — Direction: 228.06

13 — Speed: 0 Km/hr

14 — Status: 3D

15 — HDOP: 1.5

16 — PDOP: 3.0

17 — 48 Sec

18 — Satellites: 32 31 31 28 24 28 23 21 25 25 19

03 16 25 23 01 19 15 13 21 20 14

**Tab Menu** - Switch between Setup and GPSInfo window.

**Main GPS data window** - Display data received by GPS device.

1 — COM4: CF\_CARD-GENERIC

2 — 4800

3 — Scan

4 — Start GPS

5 — Cold Start

6 —  VTG  WAAS  PowerSave

7 — Start GPS

8 —  VTG

9 — Satellite Map

10 — Date: 2005/08/22

11 — Time: 03:45:46

12 — Speed: 0 m/hr

13 — Direction: 226.14

14 — Status: 3D

15 — HDOP: 2.0

16 — PDOP: 4.6

17 — 29 Sec

18 — Satellites: 19 03 13 16 23 11 27 15

14 16 16 13

1	<b>COM Port Selection</b>	Select the appropriate communication port where GPS receiver is configured (maybe it is necessary to try several communication ports until the right one is found.)
2	<b>Baud Rate Selection</b>	Select the appropriate transferring rate. (Bluetooth device set to 38400, others set to 4800.)
3	<b>Scan COM Port</b>	Scan all available communication port for GPS reception.
4	<b>Power Save</b>	Enable or disable the Power Save Mode (this option is available only when a GPS device is found.)
5	<b>Cold Start</b>	Cold start the GPS receiver.
6	<b>WAAS/EGNOS</b>	Activate WAAS/EGNOS to increase the accuracy of positioning.
7	<b>Start / Close GPS</b>	Turn on/off the GPS device.
8	<b>VTG</b>	Some navigation or map software requires to receive VTG data output during operation. Check this box to activate the VTG data output.
9	<b>Satellite Distribution Map</b>	<p>Display the position of all connected satellites.</p> <ul style="list-style-type: none"> <li>• Each satellite has been assigned its unique number.</li> <li>• Red circle indicates that the satellite location is known from almanac information; however, the satellite is not currently being tracked.</li> <li>• Green circle indicates that the satellite is being tracked; however, it is not being used in the current position solution.</li> <li>• Blue circle indicates that the satellite is being tracked and is being used in the current position.</li> </ul>
10	<b>Date</b>	Display the current date in (yyyy/mm/dd) format.
11	<b>Time</b>	Display the current UTC time in (hh:mm:ss) format.
12	<b>Direction</b>	Display the current direction from 000.0 to 359.9 degree.
13	<b>Speed</b>	Display the current moving speed in km/hour.
14	<b>Positioning Status</b>	<p>There are 3 modes:</p> <ul style="list-style-type: none"> <li>• No Fix.</li> <li>• 2D Positioning.</li> <li>• 3D Positioning.</li> </ul>
15	<b>HDOP</b>	Horizontal Dilution of Precision, a horizontal accuracy ranging from 0.5 to 99.9, the smaller the better.
16	<b>PDOP</b>	Positional Dilution of Precision, a position accuracy ranging from 0.5 to 99.9, the smaller the better.
17	<b>Latitude and Longitude</b>	<p>Latitude : Current latitude position in N/S degree (North/South Hemisphere) format.</p> <p>Longitude : Current longitude position in E/W degree (East/West Hemisphere) format.</p>
18	<b>Satellite Status Chart</b>	<p>Display the status of each connected satellite.</p> <ul style="list-style-type: none"> <li>• The number under each bar represents the corresponding satellite number.</li> <li>• The height of each bar represents the signal strength from the satellite.</li> <li>• The color of the bar can be Red, Green and Blue depending on the satellite status. (please refer to the description above on “<b>Satellite Distribution Map</b>”.)</li> </ul>