



PlaneGadget - Radar - V2.0 USB ADS-B Receiver

Installation Guide

22/3/10

If you have any questions regarding installation please email tech@radargadgets.com

Its important to us that you are happy with your purchase, so if you are not completely happy consider that we offer a 7 day money back warranty.

Range varies according to where your antenna is situated and your geographical location. The PlaneGadget-Radar is not suitable for plugging into large wide band high gain antennas and works best with a good positioning of the supplied antenna.

This product has been tested and complies to the relevant standards for CE marking in the European Union



Safety Guidance – Please Read

Pointy end of antenna!

Although the antenna has a round end, please take care not to poke yourself with it! It's easy to place it on the window sill, then gaze out the window at the majestic aircraft sweeping by, the antenna below your chin and out of focus, out of sight, out of mind... A finger in the eye is not nice, so a slim antenna however blunt the end would be a bit worse I would imagine.

Take care where you use the receiver that you are doing so legally in the country and place of use. When you open the package you are asked to agree that you will not use the receiver in any way that is illegal within the country of use

Although most countries are very happy for aircraft enthusiasts to use equipment that relates to your hobby, in some countries you will be seen as breaking the law and may be arrested, especially if you are using your equipment in a sensitive place such as near an airport. This is not specifically about ADS-B virtual radar, but the use of air band receivers and even taking photos in the wrong place in the wrong country can land you in prison.

Recently we have seen aircraft enthusiasts get arrested in Greece for photographing aircraft and in India for listening on an air band radio to communications between the pilot and air traffic control.

So take care to ensure that your use of this equipment and other equipment you use is accepted and legal within the country and place of use.

Introduction

Thank you for purchasing the PlaneGadget-Radar USB receiver.

In the Box

- PlaneGadget-Radar USB receiver
- USB cable
- Installation CD
- Antenna
- Installation Guide
- User Guide

How to use this Installation Guide

This Installation Guide is divided into two sections

- Section 1: Vista 32 bit Driver Installation
- Section 2: Windows 2000 Driver Installation
- Section 3: Windows XP Driver Installation
- Section 4: Windows 7 Driver installation
- Section 5: Installation of PlanePlotterLite

On first installation you will need to install the PlaneGadget Radar device drivers and PlanePlotter software onto your PC.

Installing the PlaneGadget Radar device drivers is slightly different depending on which version of Microsoft Windows you have. So you need to follow the section below that relates to your specific operating system, whether it is Windows Vista, Windows XP, Windows 2000 or Windows 7.

After you have installed the device drivers move on to the section on installing PlanePlotter.

When you have completed the installation you can move onto the User Guide that contains information on how to operate your receiver.

Section 1: Installation – Vista 32 bit (Vista 64 bit is not supported)

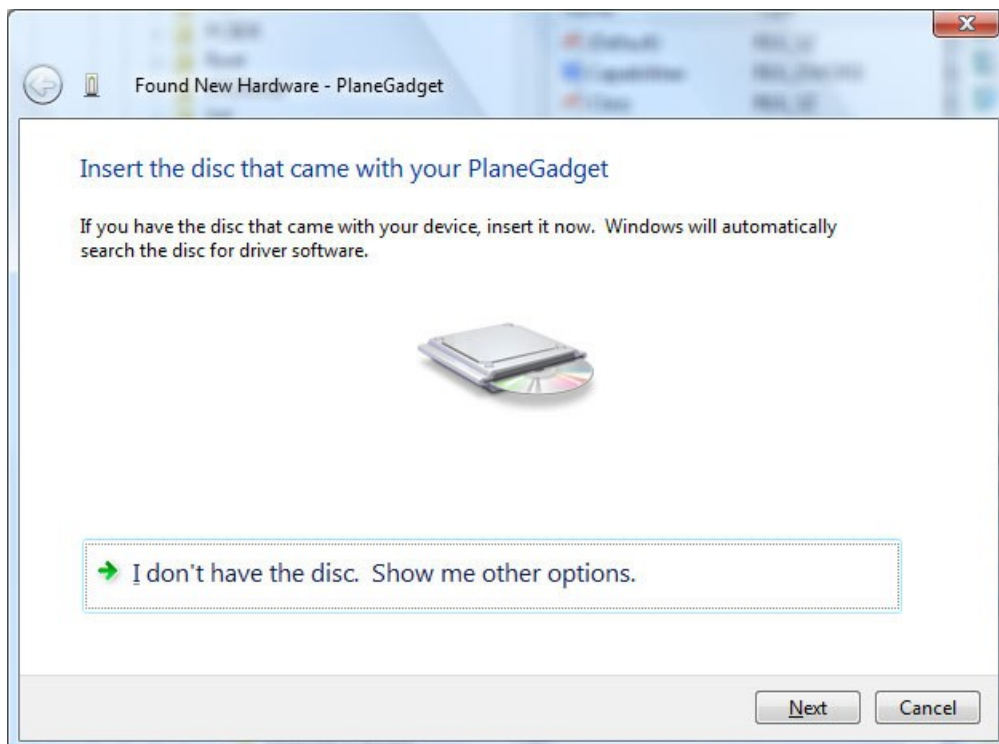
1.1 Installation of the PlaneGadget Receiver

Put the CD supplied into your PC's drive and plug in the PlaneGadget-Radar receiver using the USB cable supplied.

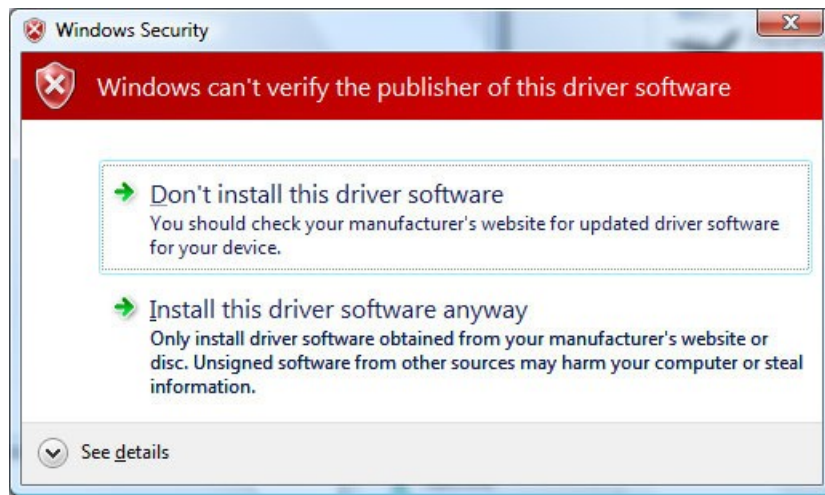
The USB device will be detected and a window will appear.



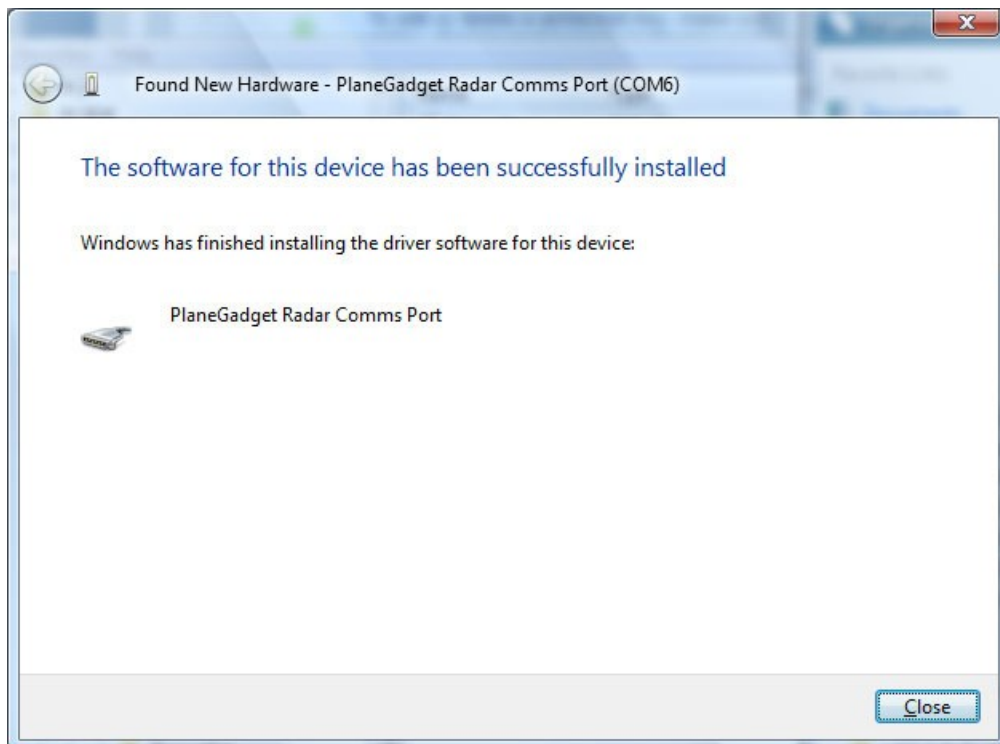
Select the first option "Locate and install driver software". Windows will go off and try to find the drivers for a little while but then come back with this window



Double check you have the CD in the drive then select the NEXT button. You will then see this window:-



Select "Install this driver software anyway" and the next window will look like this:-



Your PlaneGadget Radar drivers are now installed, now move onto the section 5 on installing PlanePlotterLite.

Section 2: Installation – Windows 2000

2.1 Installation of the PlaneGadget Receiver

Plug in the PlaneGadget-Radar using the USB cable supplied.

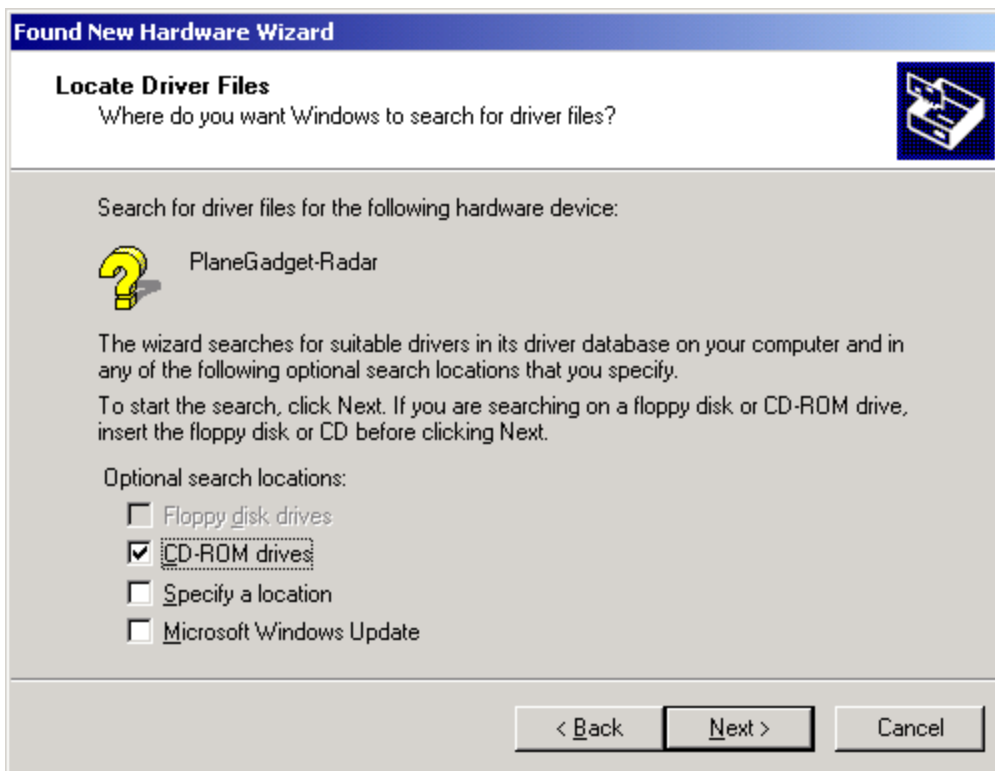
The USB device will be detected and a window will appear.



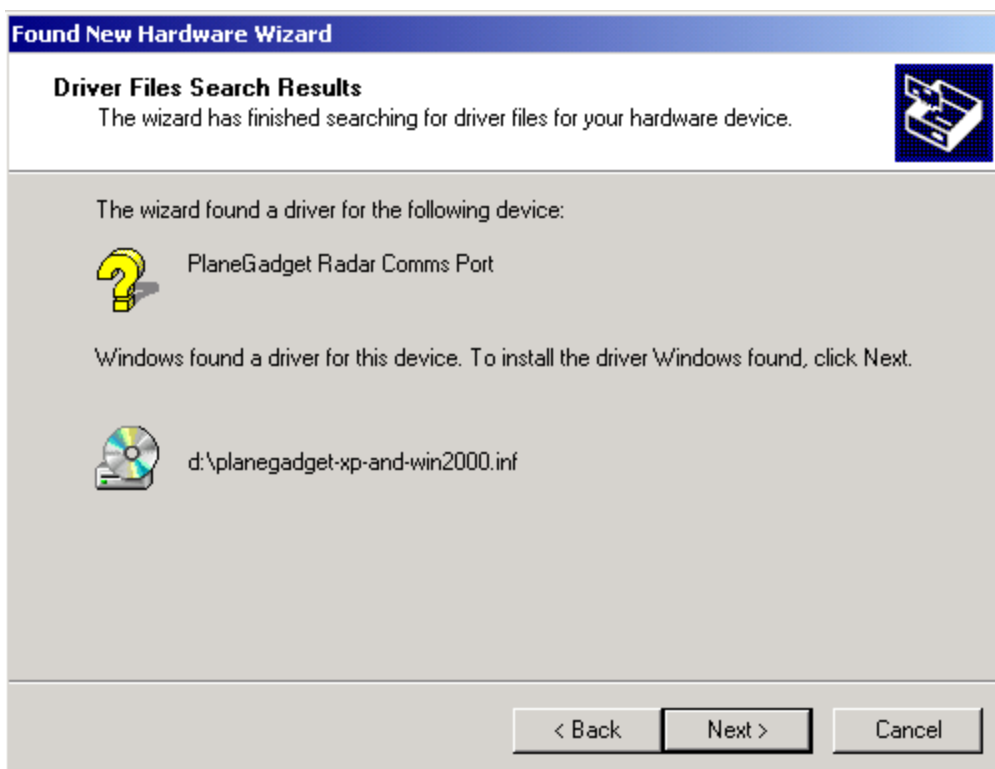
Select Next



Ensure "Search for a suitable driver for my device" is selected and push Next



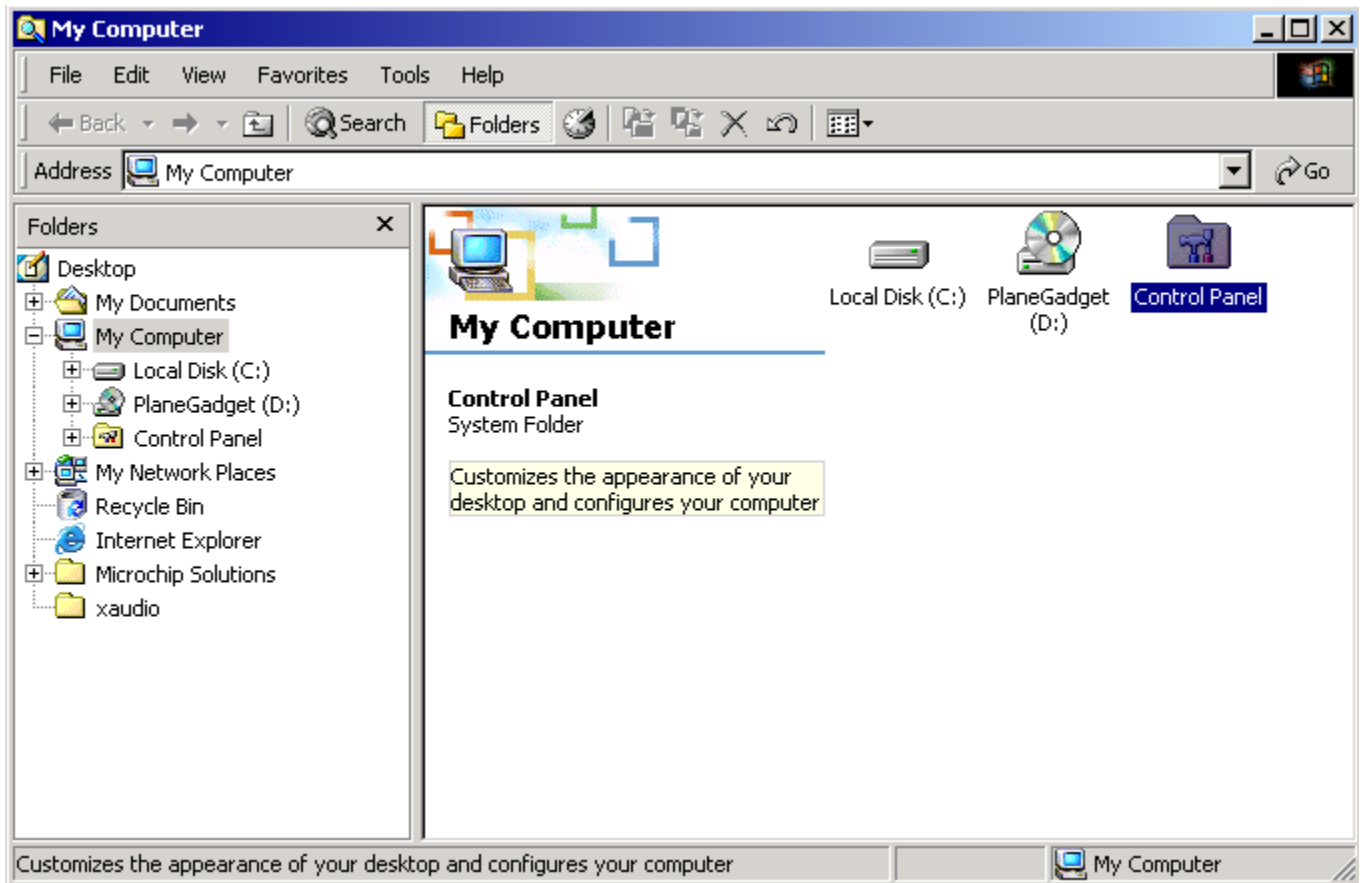
Insert the PlaneGadget CD into the driver and Select Next



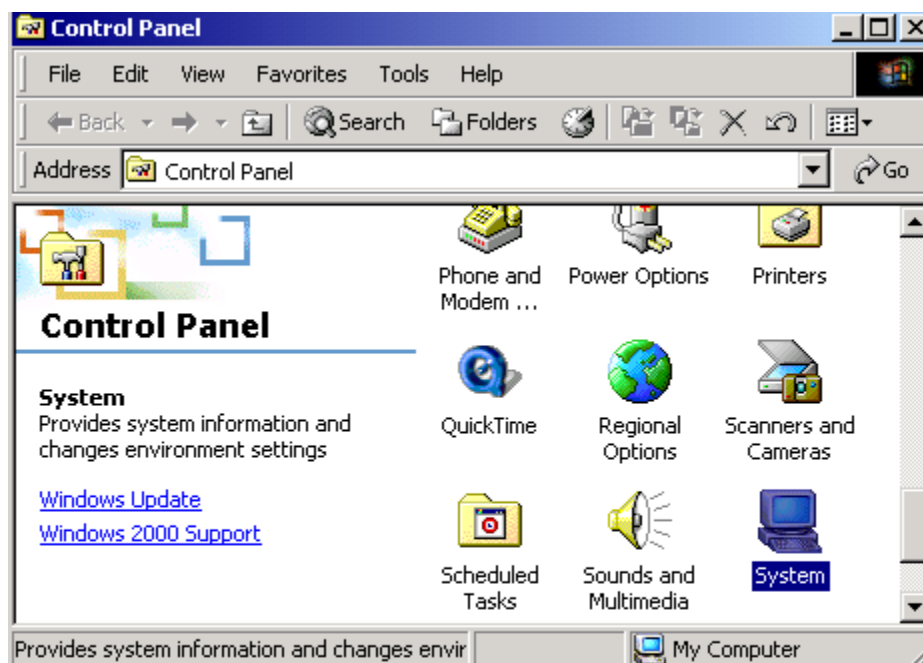
Select Next and Finish on the next window

When installing PlanePlotter later you will need to know the COM port that has been allocated to the PlaneGadget Radar. Note that this will change if you move to another USB port, so try to plug the USB lead into the same port each time.

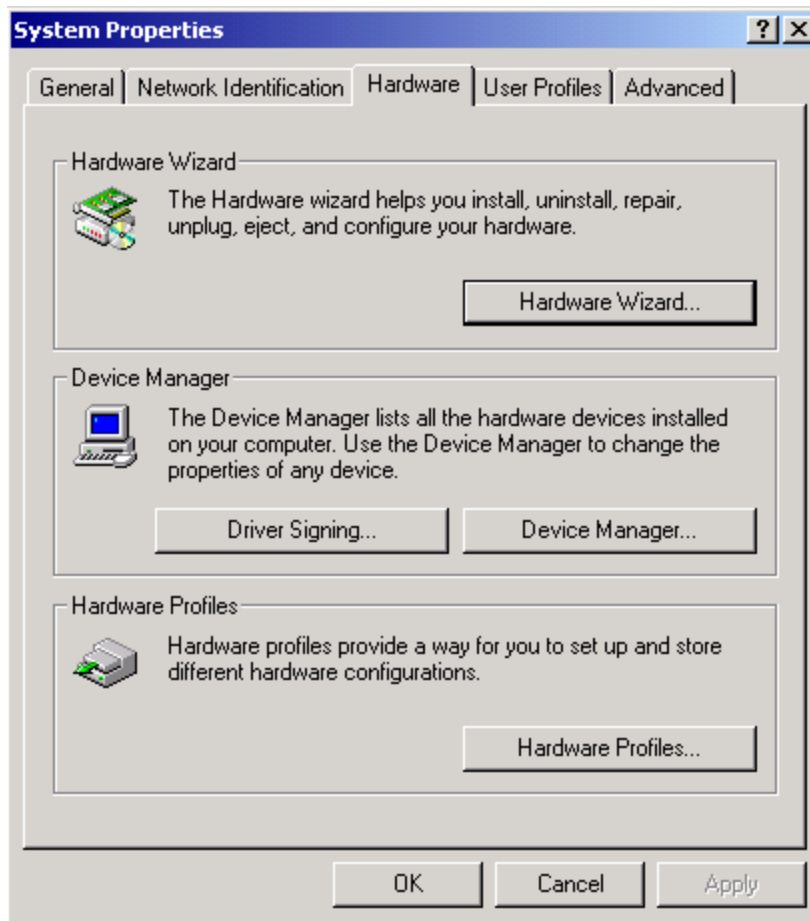
To find out which serial COM port has been allocated go to your Desktop and select My Computer



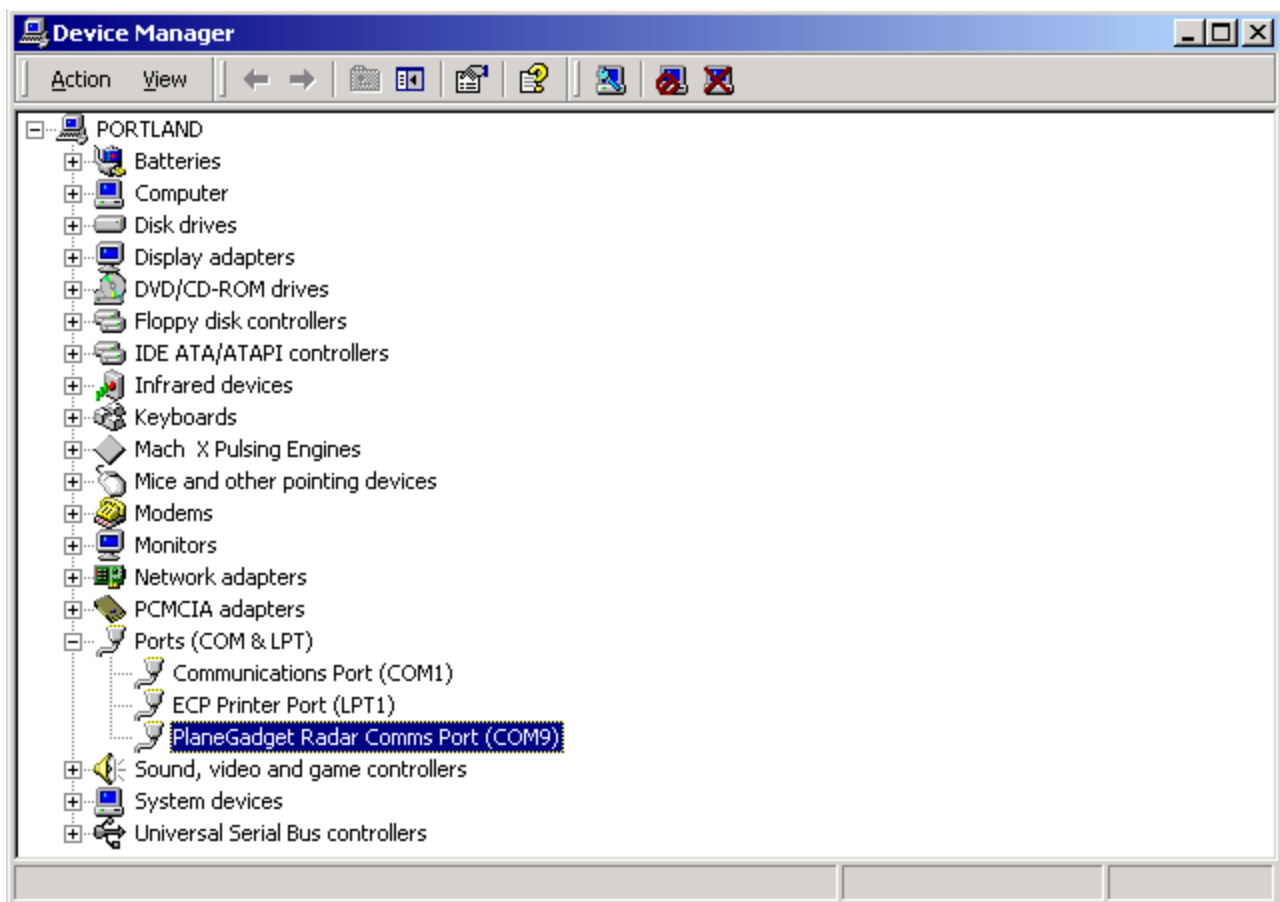
and Control Panel



From here select System



Under the System Properties select the Hardware tab, and click on Device Manager



Under Device Manager go down to Ports (COM & LPT) and click the + to open it up, you will see PlaneGadget Radar Comms Port (COM9) or whichever com port has been allocated. Remember this com port as you will need it when you install PlanePlotter.

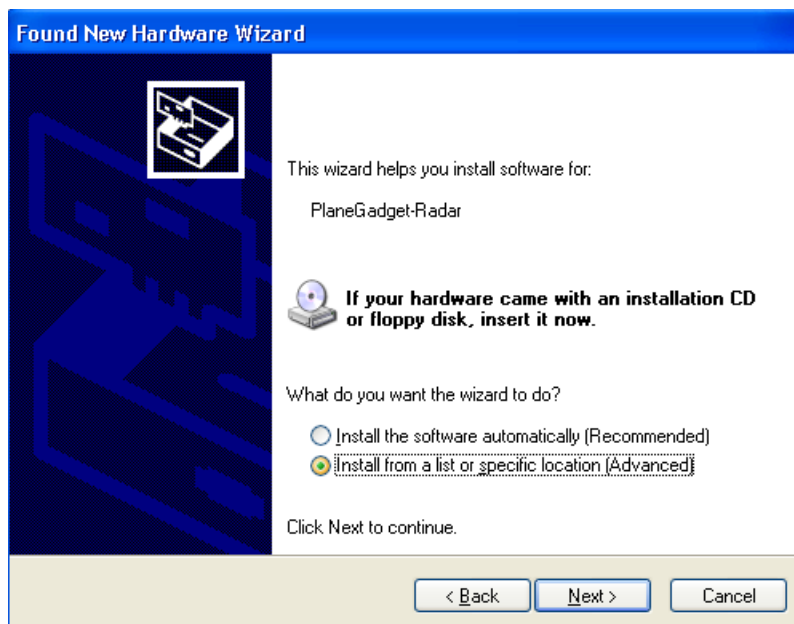
Section 3: Installation – Windows XP

2.1 Installation of the PlaneGadget Receiver

Plug in the PlaneGadget-Radar using the USB cable.



Select next



Select Install from a list or specific location (Advanced)

Found New Hardware Wizard

Please choose your search and installation options.



Search for the best driver in these locations.

Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.

Search removable media (floppy, CD-ROM...)

Include this location in the search:

D:\

Browse

Don't search. I will choose the driver to install.

Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.

< Back

Next >

Cancel

Click Next with Search removable media box checked

Hardware Installation



The software you are installing for this hardware:

PlaneGadget Radar Comms Port

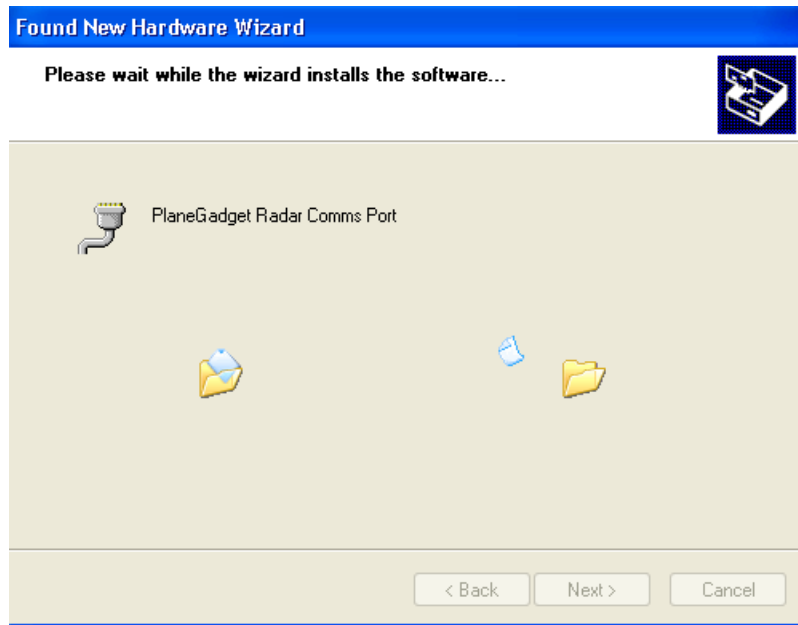
has not passed Windows Logo testing to verify its compatibility with Windows XP. ([Tell me why this testing is important.](#))

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

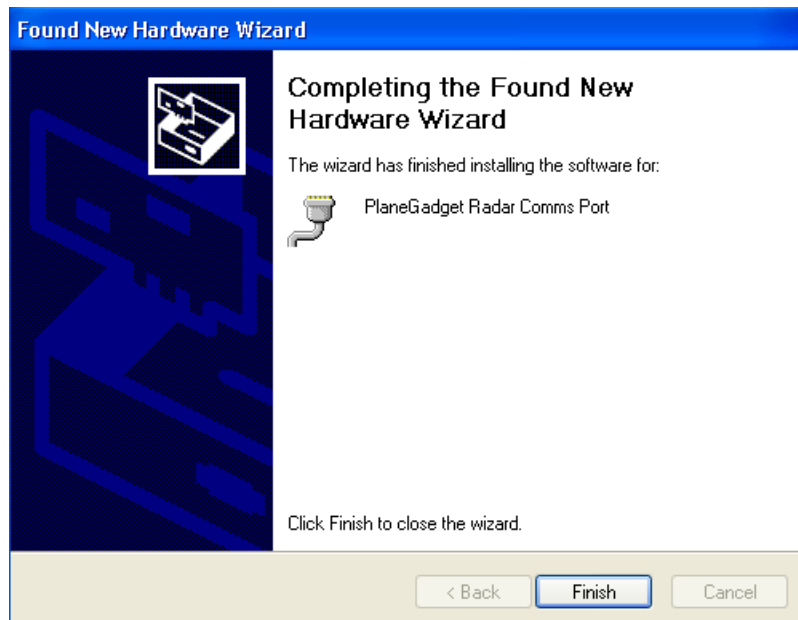
Continue Anyway

STOP Installation

Select Continue Anyway



Wait for Windows to install the driver

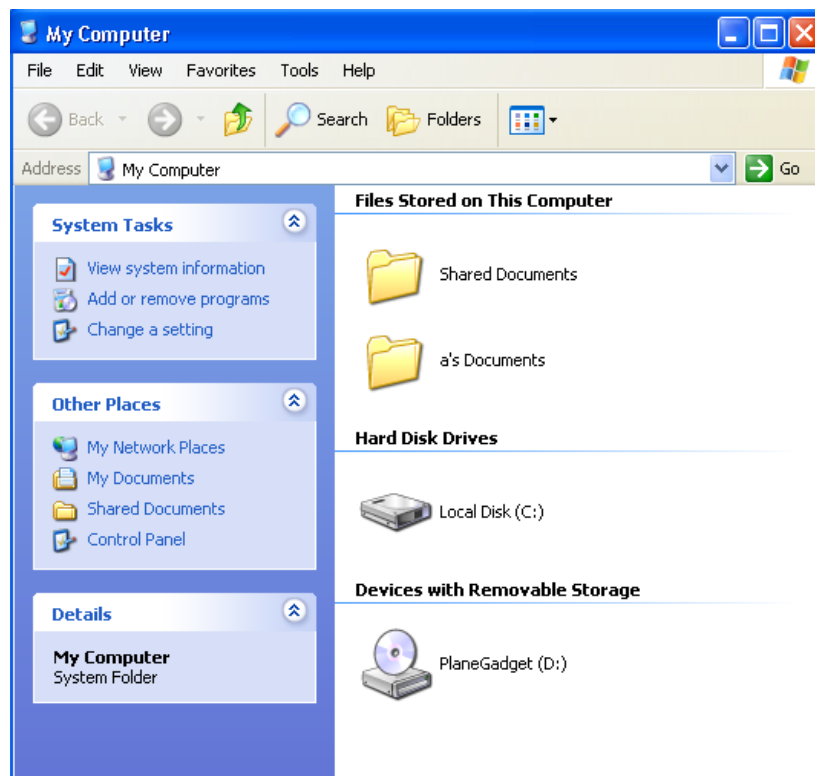


Click Finish to complete the install

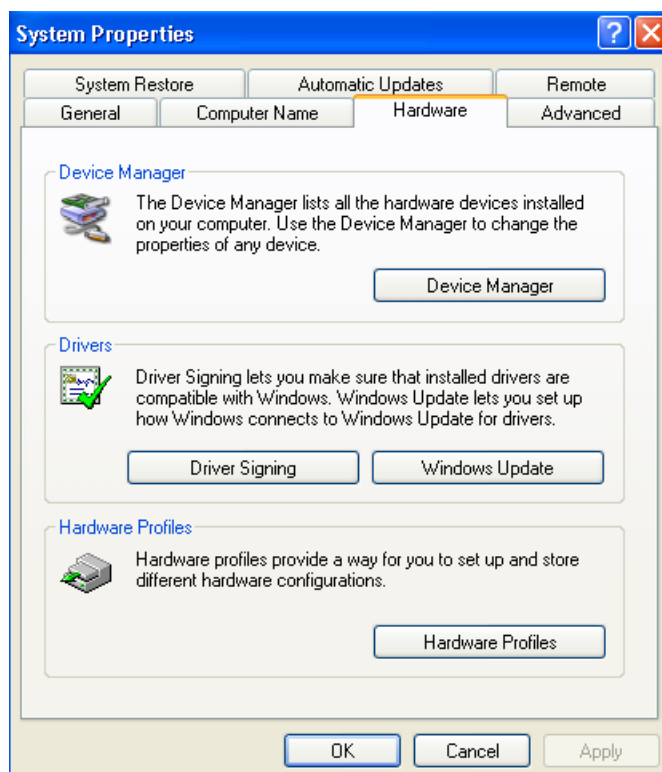
You now need to check which serial com port has been allocated to the PlaneGadget Radar receiver.

When PlanePlotter is installed you need to know this com port.

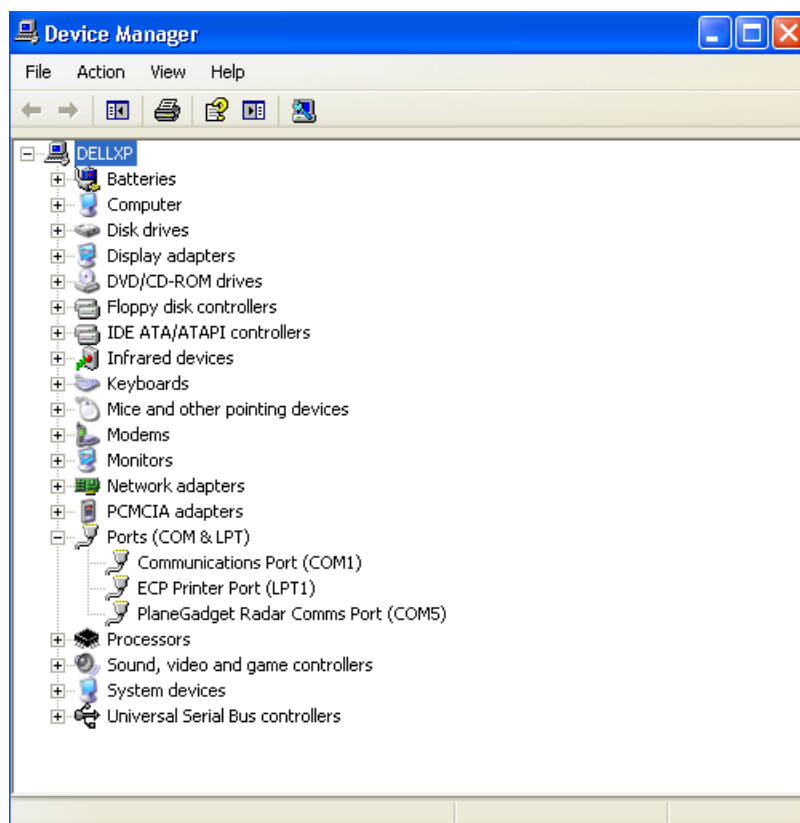
Go to Start and select My Computer



Now select View System Information from the panel on the left hand side (under System Tasks)
This opens the System Properties window, select the Hardware Tab.



Select the Device Manager button



Go down to Ports (COM & LPT) and click on the + to open it out as shown above. Now make a note of the port allocated to the PlaneGadget Radar Comms Port, its COM5 in the example above

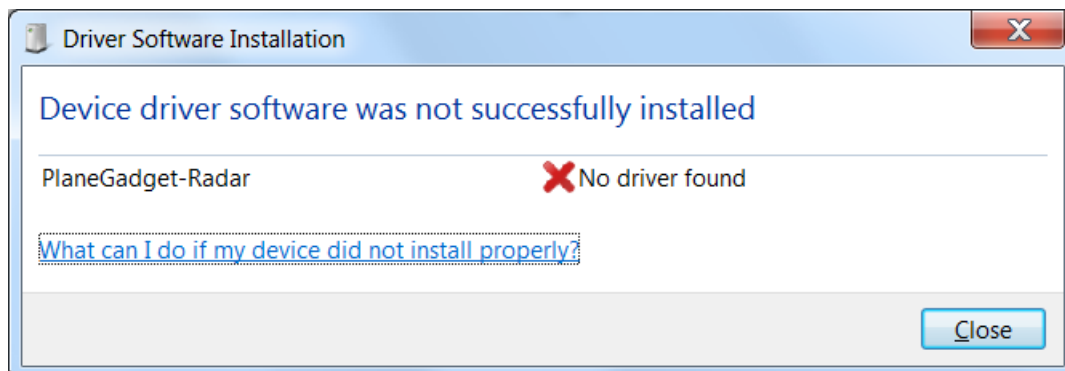
And move onto Section 5 installing PlanePlotterLite

Section 4: Installation – Windows 7 32 bit (Windows 7 64 bit is not supported)

1.1 Installation of the PlaneGadget Receiver

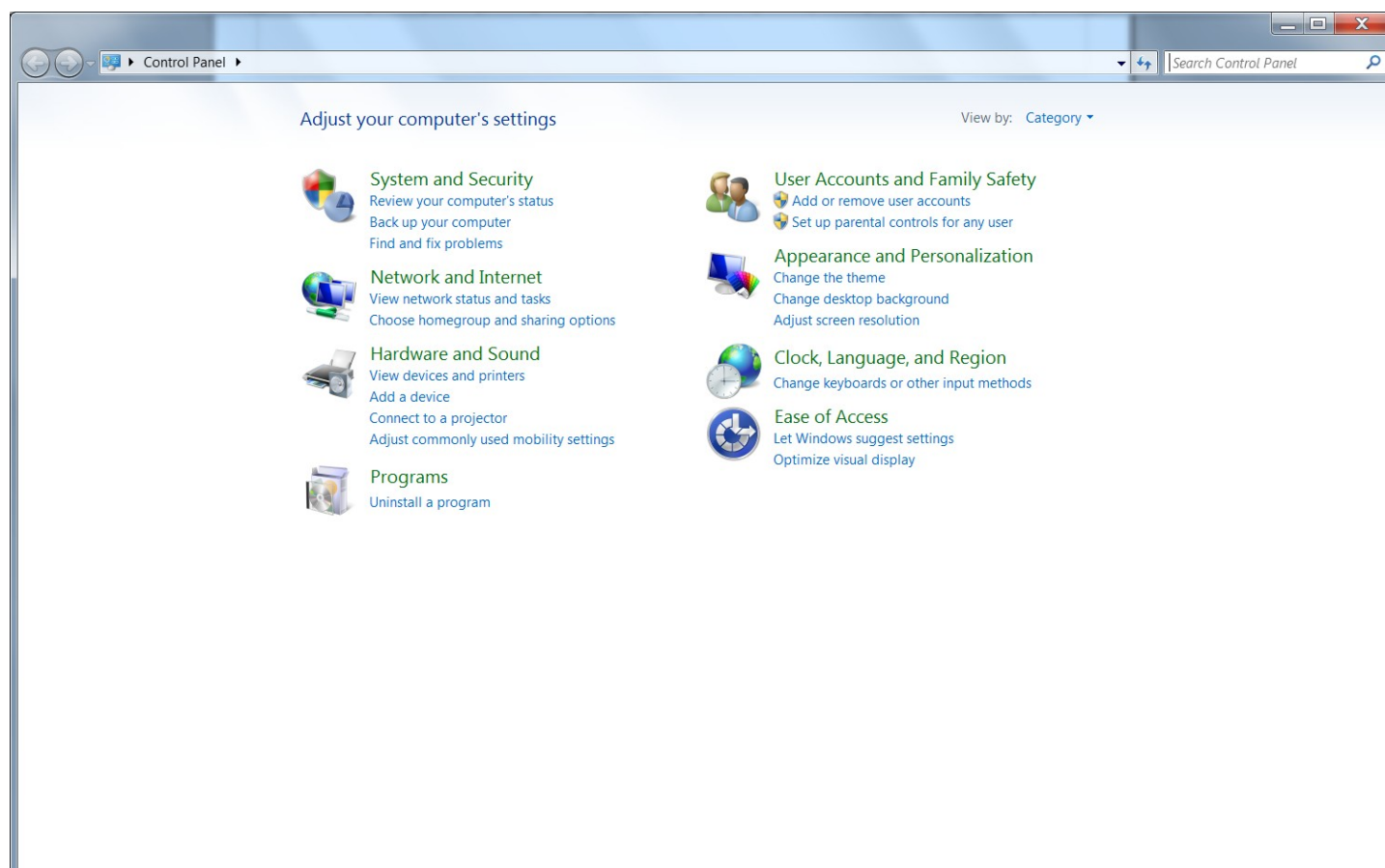
Put the CD supplied into your PC's drive and plug in the PlaneGadget-Radar receiver using the USB cable supplied.

Windows will try to find the device and display

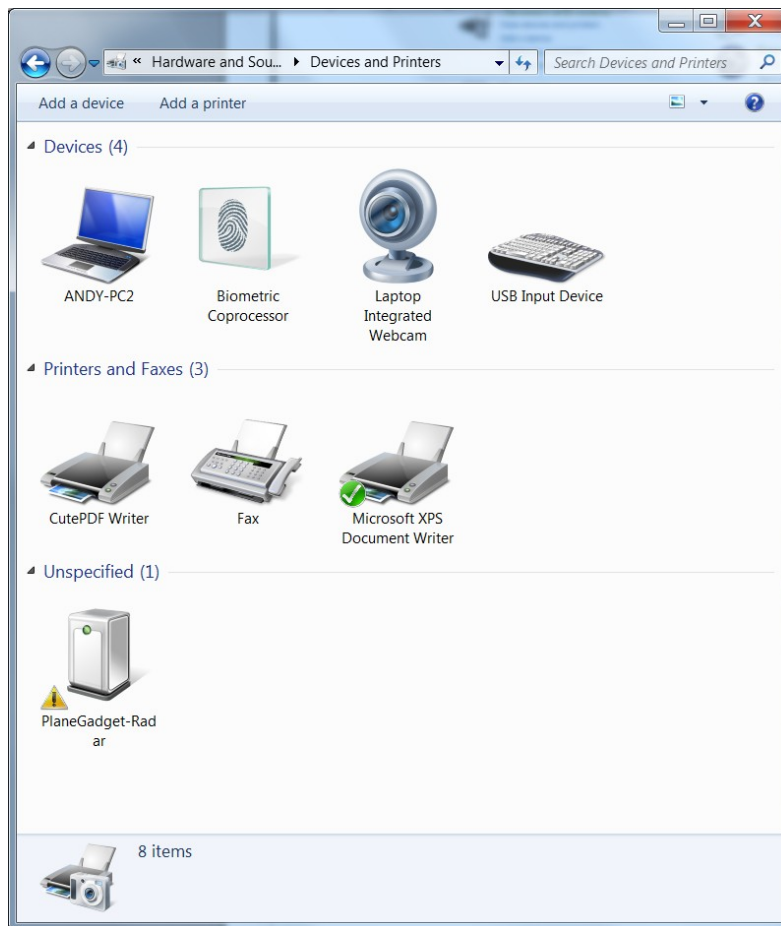


Click Close!

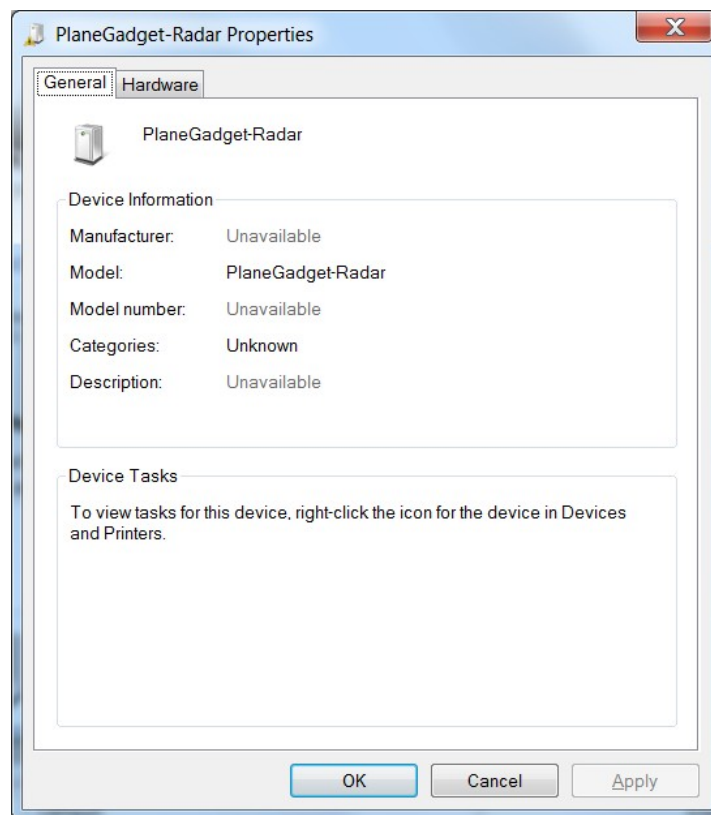
Now go to windows start (bottom left) and select Control Panel



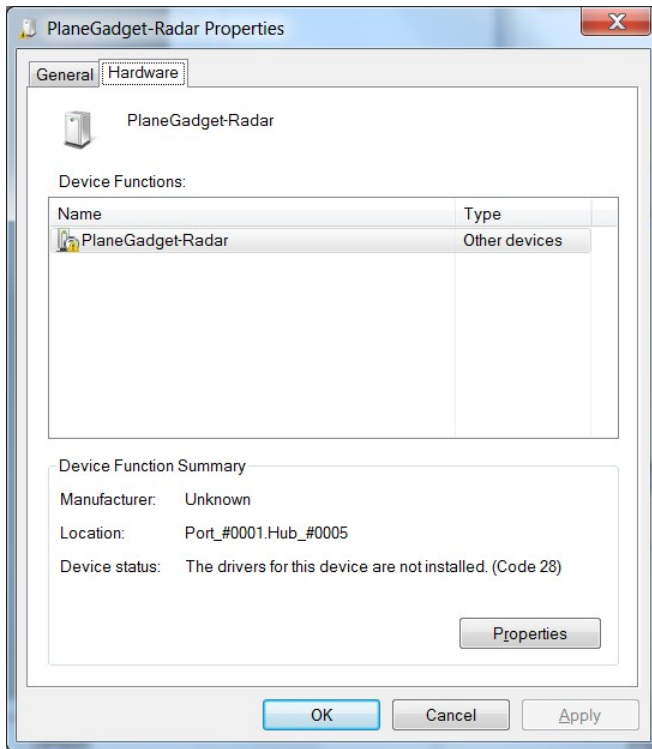
Under Hardware and Sound, select View devices and printers



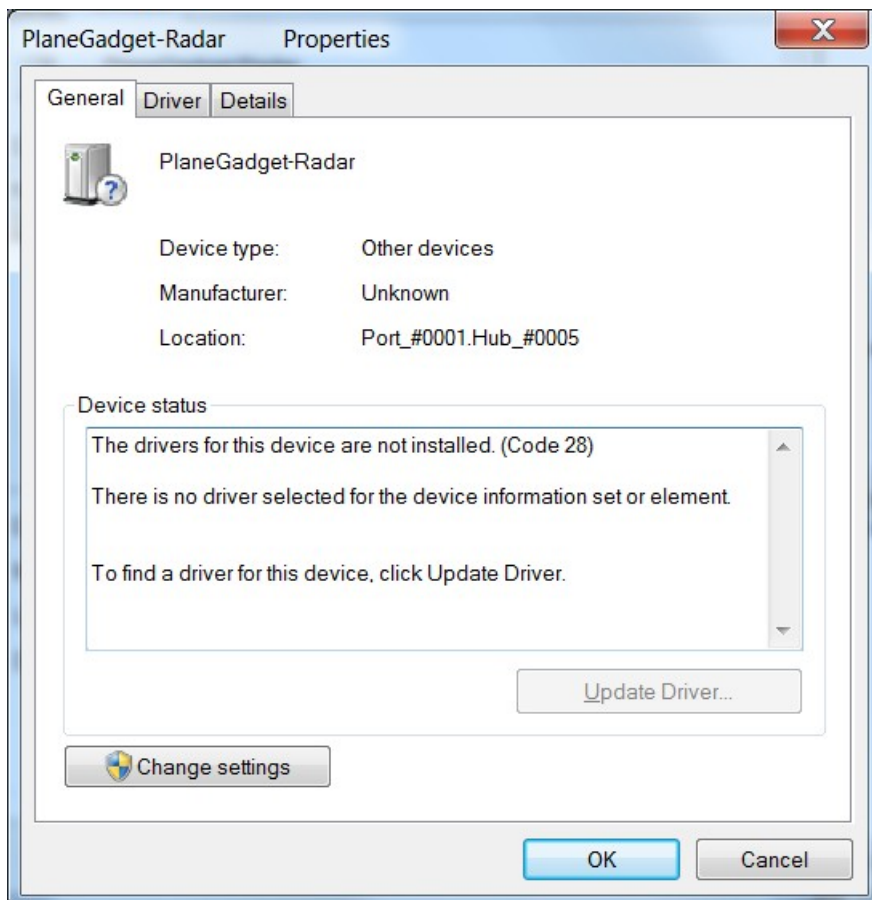
You will see the PlaneGadget-Radar near the bottom as here. Double Click on it and you will see



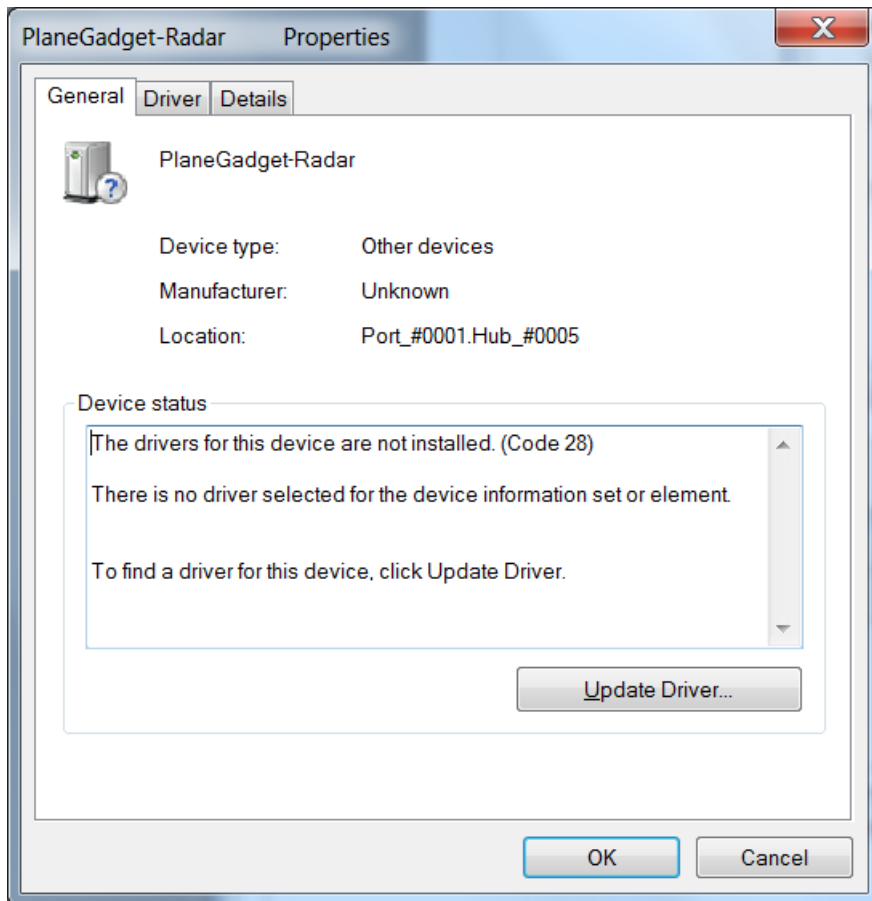
Now select the Hardware Tab to show



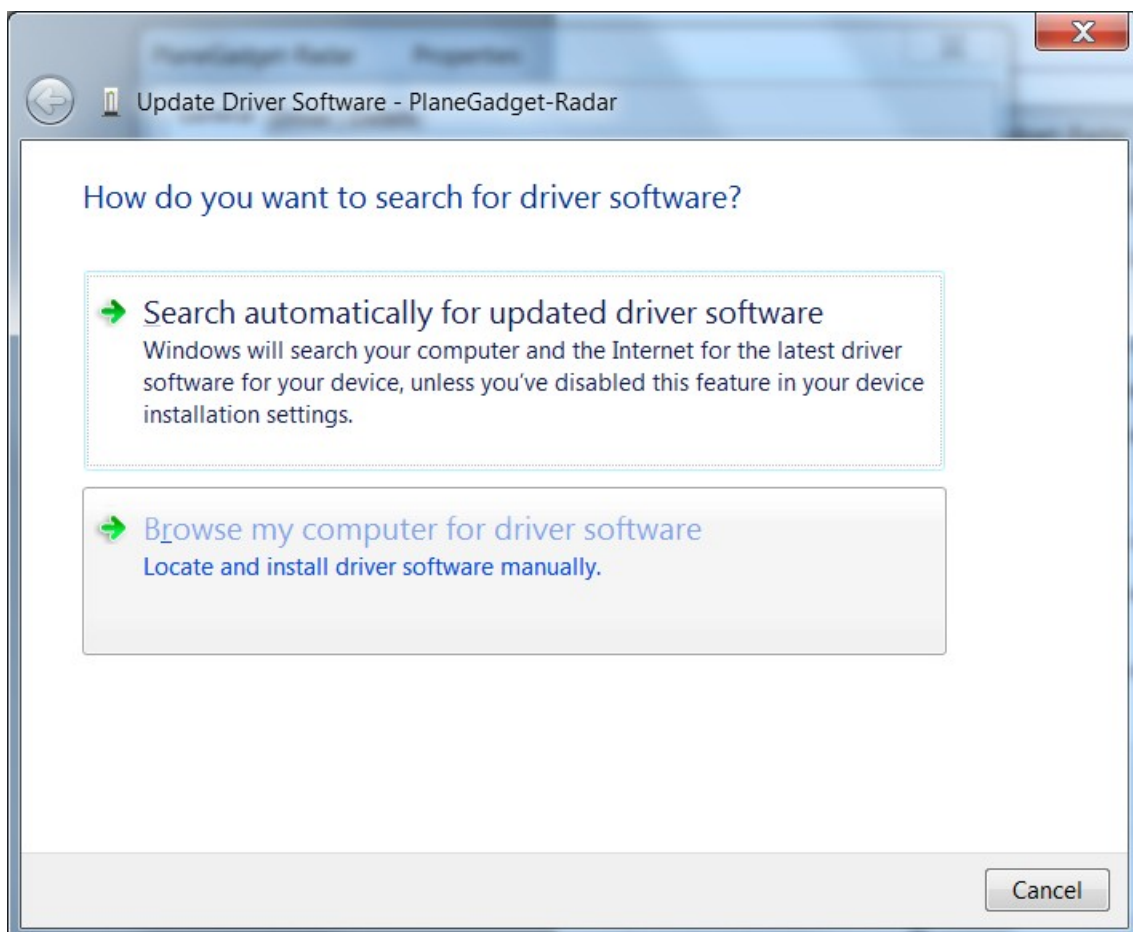
Select Properties bottom right



Now Select Change settings bottom left

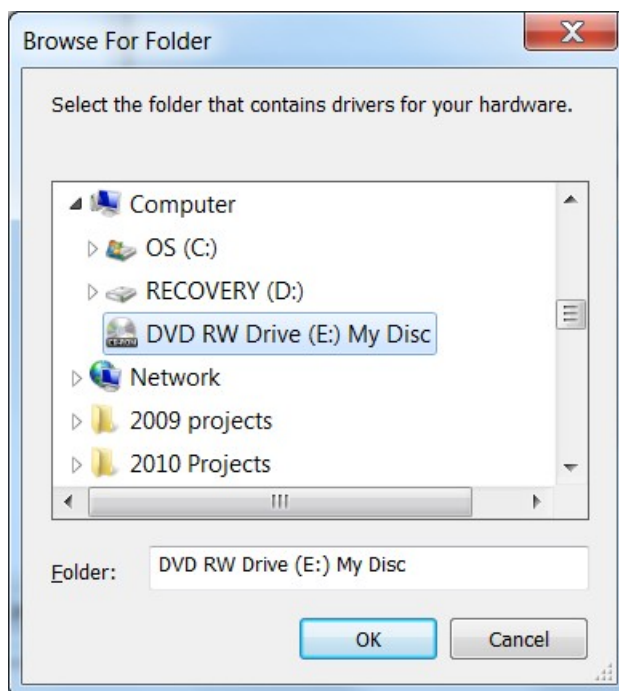


And select Update Driver

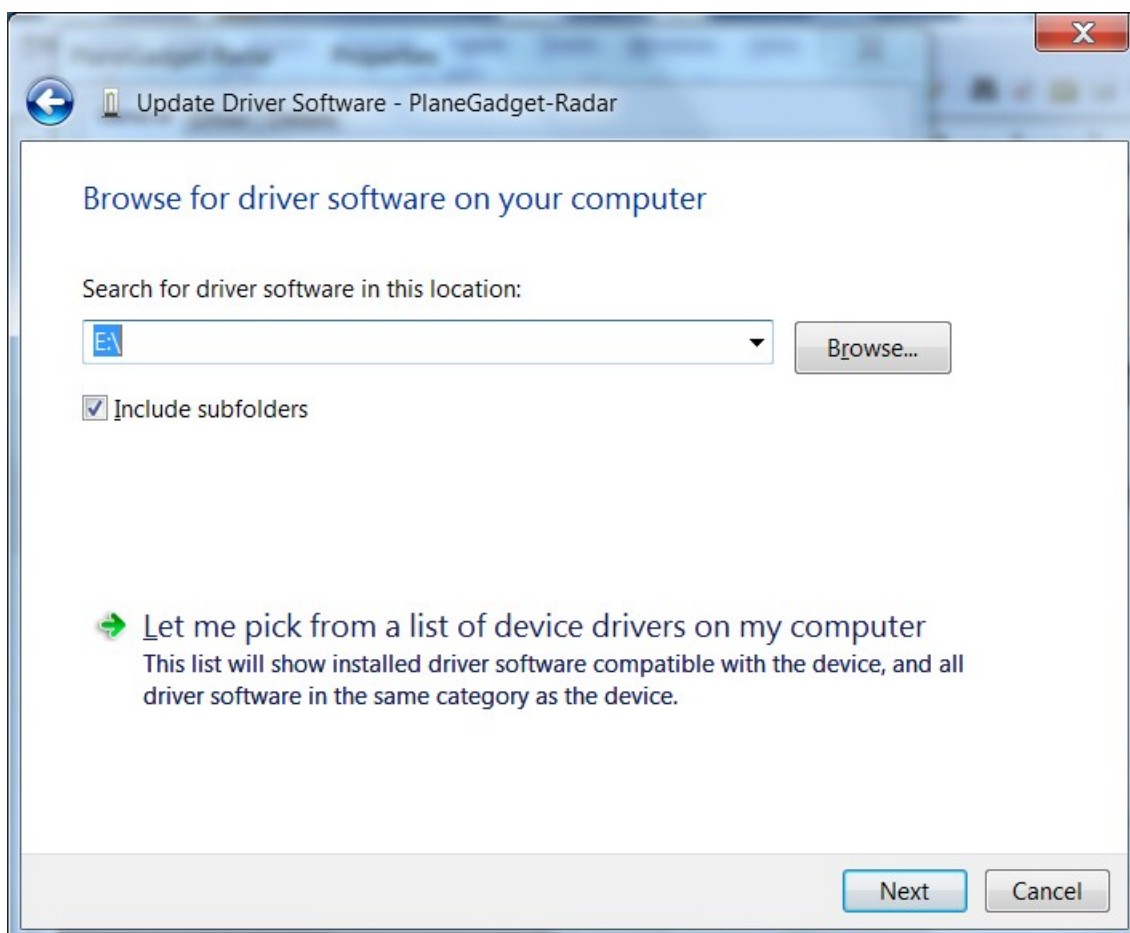


Select Browse my computer for driver software

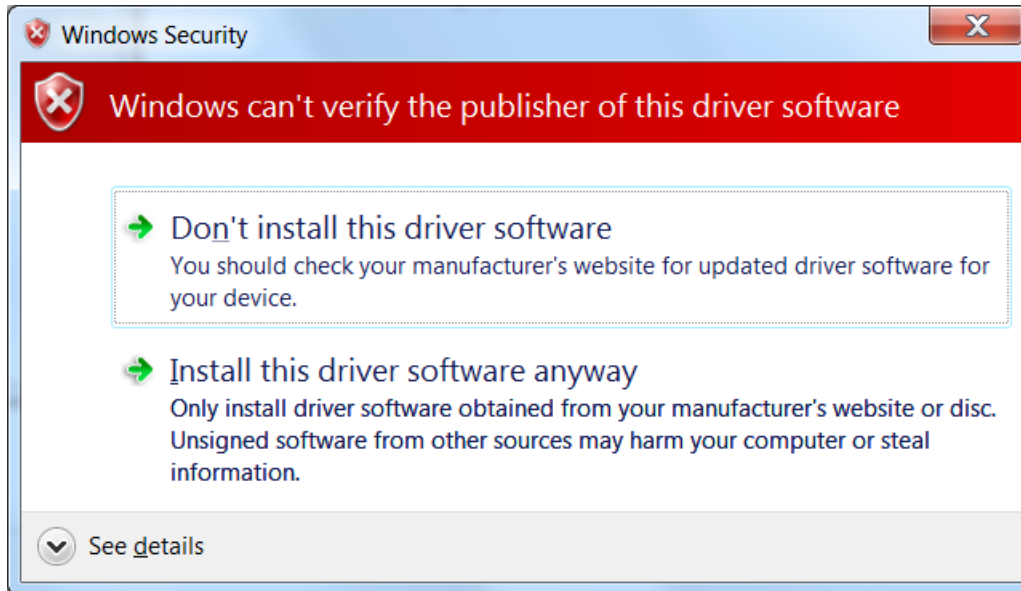
Navigate and select the folder for your CD drive



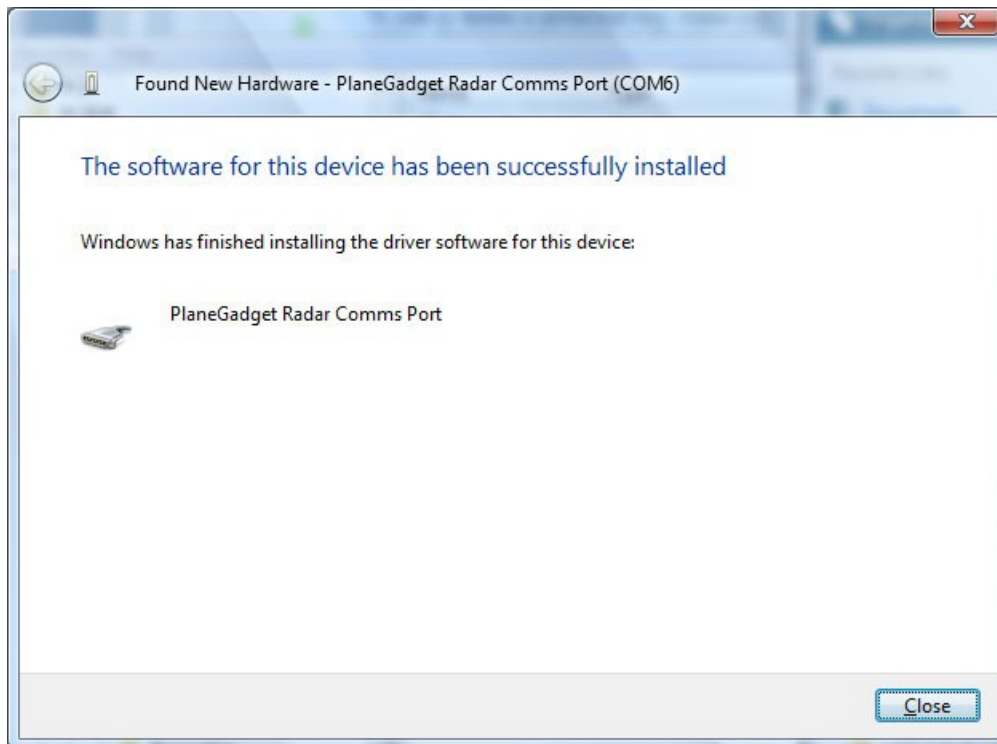
And select OK



Once the CD drive is selected click Next



Select "Install this driver software anyway" and the next window will look like this:-



Don't close this window yet...look at the COM port allocation first...its COM6 above in this example. We will need this when we install planeplotter.

Your PlaneGadget Radar drivers are now installed, now move onto the section 5 on installing PlanePlotterLite.

Section 5: Installation of PlanePlotterLite

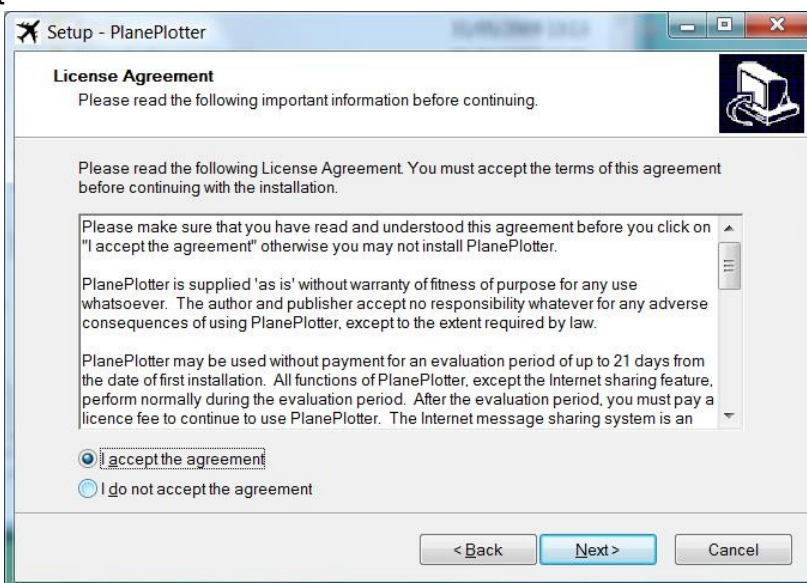
IF YOU HAVE A LICENSED COPY OF THE FULL VERSION OF PLANEPLOTTER DO NOT INSTALL PLANEPLOTTERLITE. DOING SO WILL OVERWRITE YOUR SETTINGS

Navigate to your drive with the PlaneGadget CD and double click to run PlanePlotterLite.exe this will start the installation of the software. You may get a warning message asking if you really want to run this program if you have Vista or Windows 7, just click yes or ok.

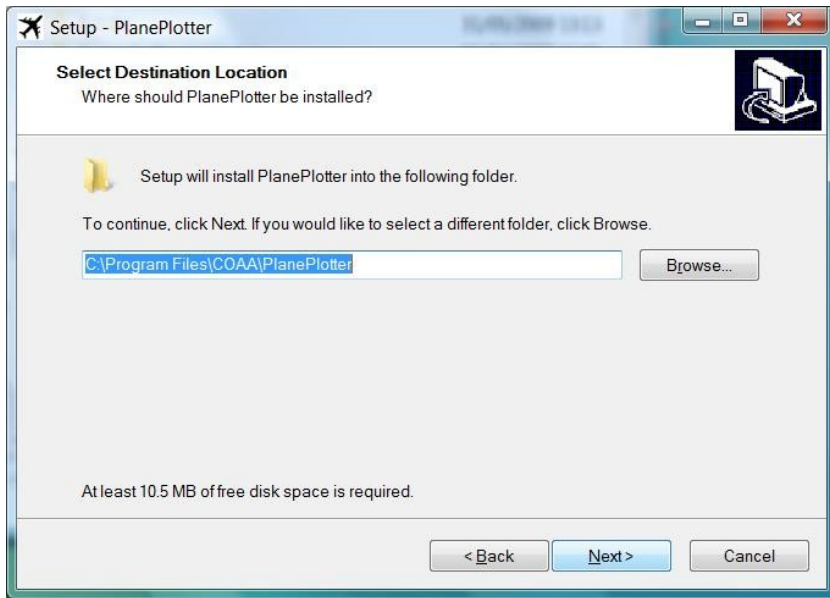
You should now see



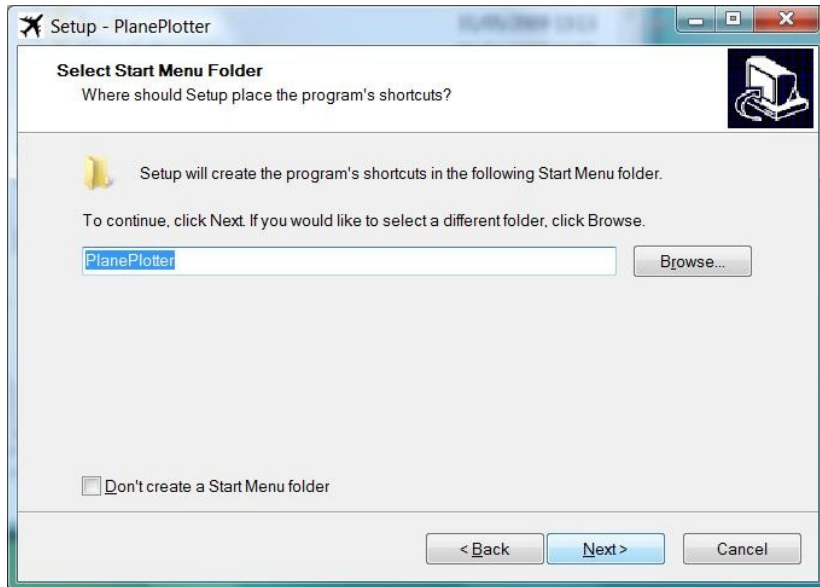
Click Next



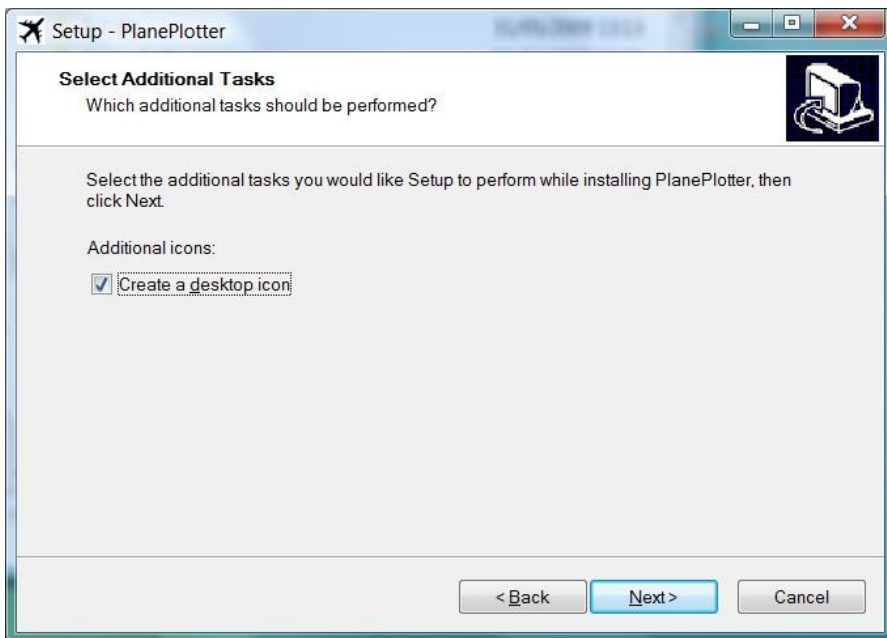
Read and Select "I accept the agreement" then click Next



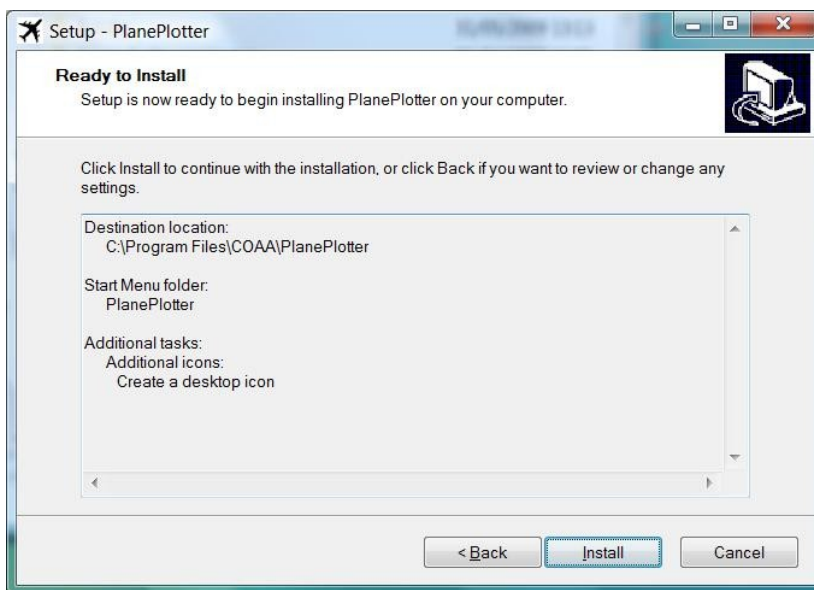
Select Next



Select Next

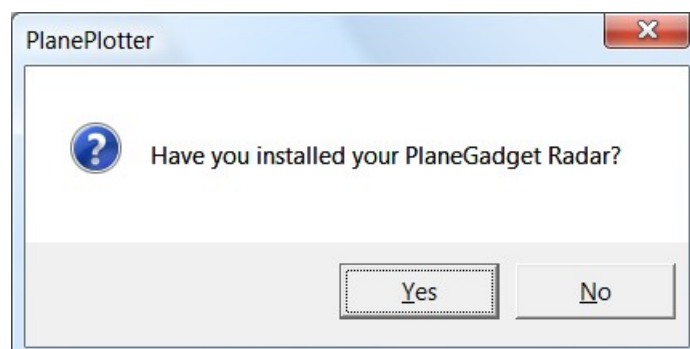


Select Next



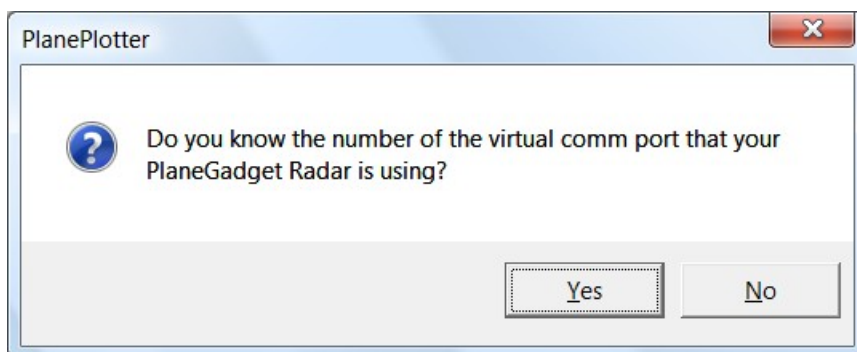
Select Install

Once the program has installed a box will pop up



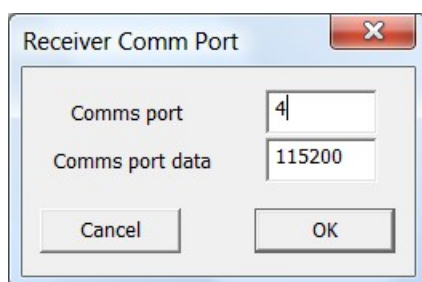
Now you should have, if you have been following the manual in the right order! If you have not select No and install the receiver as laid out in the previous pages of this manual and then run the PlanePlotterLite software by using the desktop short cut or launching from the Start Menu on windows

Assuming you selected YES

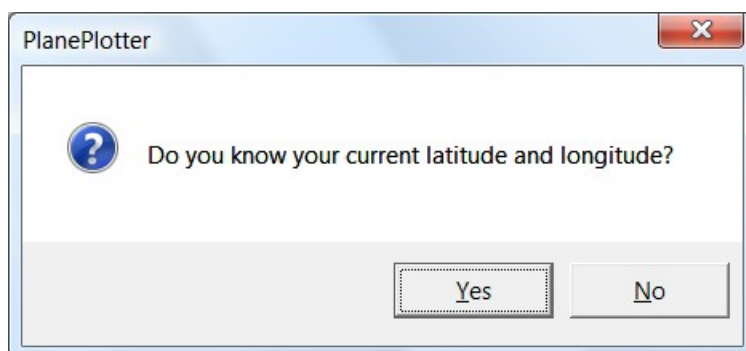


Now you should have noted the COM port of your receiver when you installed it a little while ago. If you have it then click YES otherwise if you click NO Windows Device Manager will open allowing you to find out what port it is.

After confirming the next dialog you will see



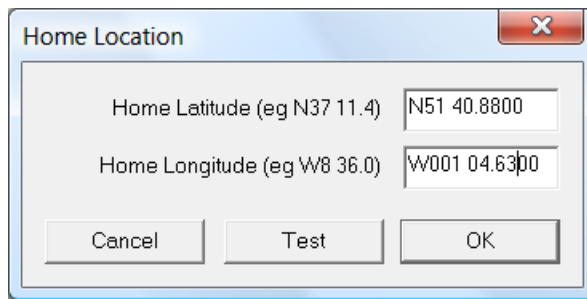
Insert your com port number into the box at the top. Leave the lower Comms port data rate as it is set by default. In the above case our com port is 4. Select OK when you have entered your com port number.



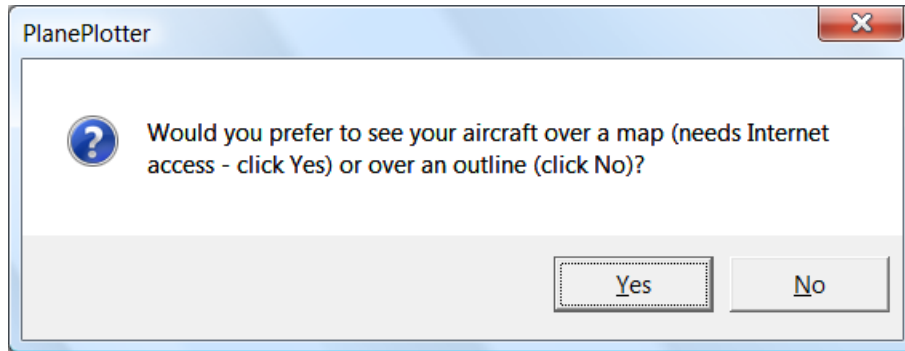
PlanePlotter needs to know where you are, this will be entered in Latitude and Longitude. If you know this position select Yes, otherwise

If you select No you get this window you will be asked if you want to launch MiltiMap to find your location.

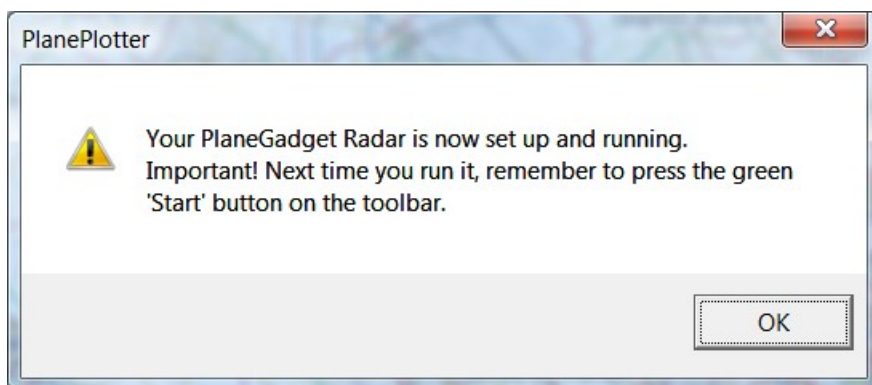
If you click YES you can enter your Latitude and Longitude



You can see we have entered the position of our office here. Clicking Test will show a little close up map for you to check, or OK to move on.

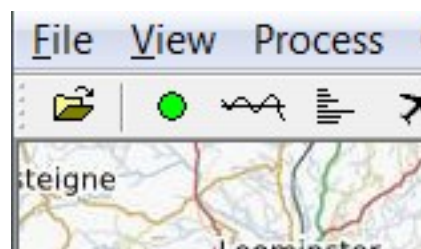


Most people would select Yes to the map here. You can change these things later in the menus of PlanePlotter so if you want to look at other map options later you can. So select Yes for now.



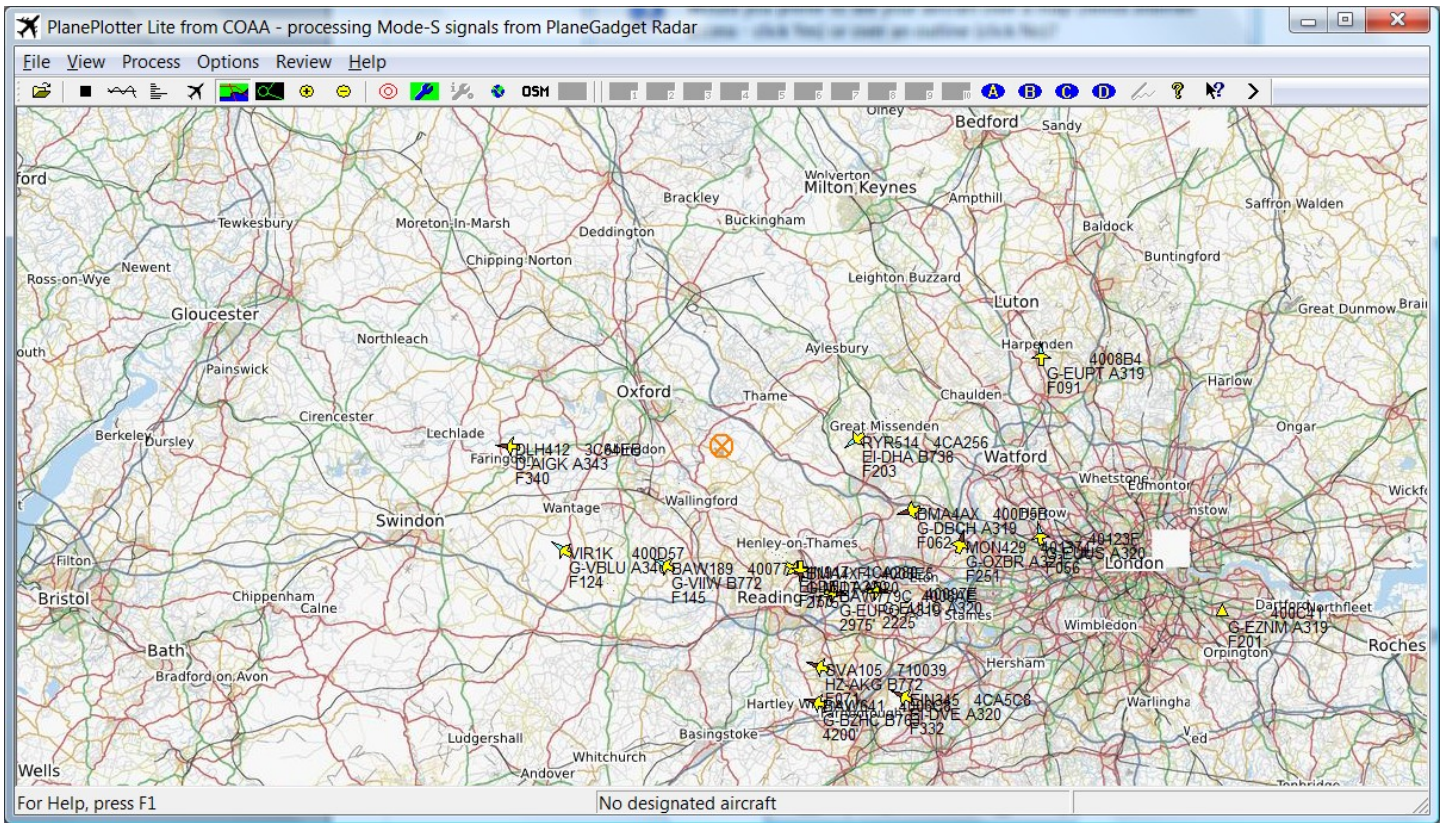
You have now finished installing PlanePlotterLite. Note the helpful hint! In order to see aircraft from your receiver you need to click on the little green start button in the tool bar top left.

It looks like this...



But on this occasion the program has already done this for you.

You should now see aircraft starting to be plotted on your map. Like this



Now move onto the PlaneGadget User guide and/or see the online help to learn more about how to use PlanePlotterLite and PlaneGadget-Radar

