

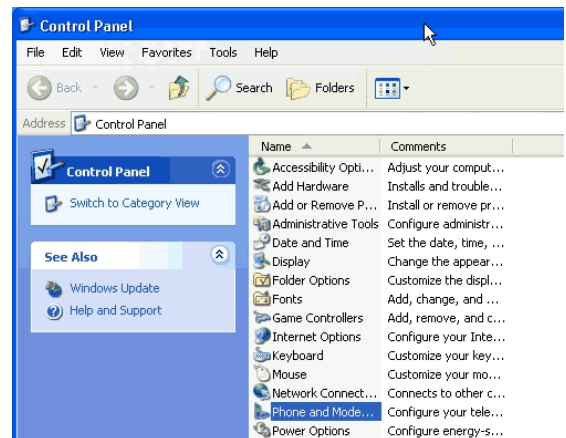
Connecting to the Internet via a Mobile Packet Data service terminal

Setting up a Windows XP modem device

The PC communicates with the MPDS terminal as if it were a modem. Follow the steps below to set-up a modem device under Windows XP that will communicate with the Inmarsat terminal.

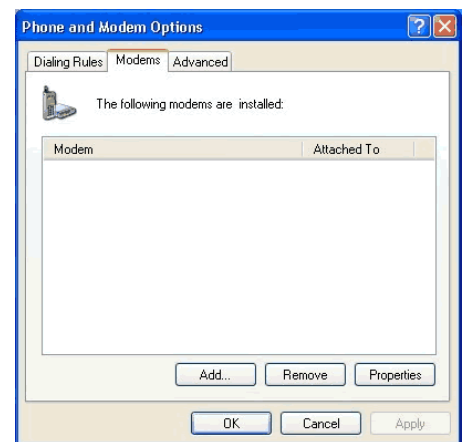
1. Connect one end of a serial cable into your PC's COM port. Connect the other end into the socket marked 'MPDS' on the terminal.

If the Control Panel window is not already open; from the Windows XP "Start" menu, select the option "Settings->Control Panel". The control panel window will appear.



Double click on the "Phone And Modem Options" icon.

2. In the "Modems" tab, click <Add>.



3. When asked whether to allow Windows to detect the modem, tick the "Don't detect my modem; I will select it from a list" box, to stop Windows detecting the modem automatically. Then click <Next>.

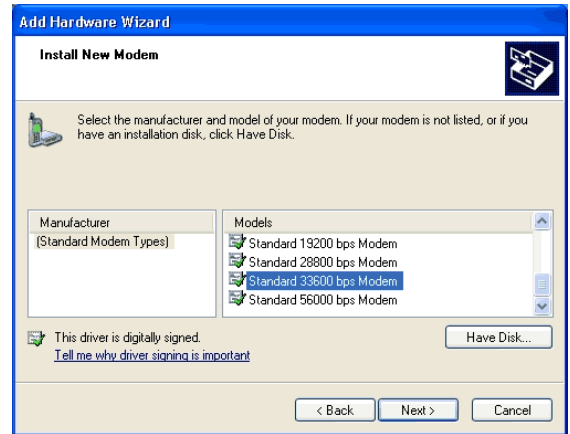


MPDS Configuration Sheet

Windows XP

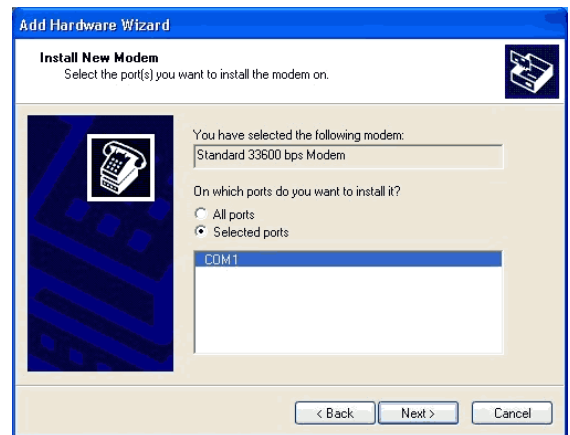


- 4. Under "Manufacturer" choose "(Standard Modem Types)".
Under "Models" choose "Standard 33600 bps Modem" and click <Next>.

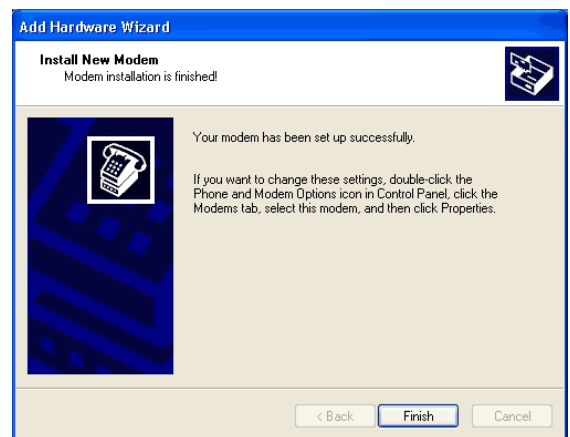


- 5. Under "On which ports..." choose "COM1" or the port to which the Inmarsat terminal is connected, if different.

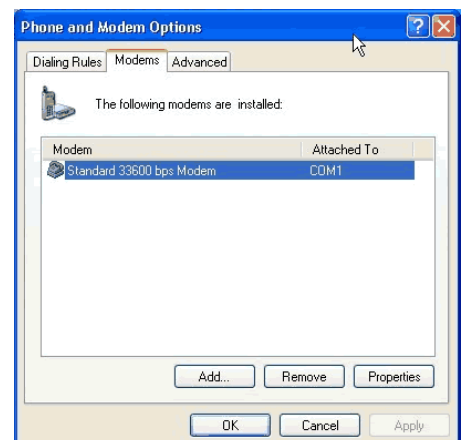
Click <Next>.



- 6. Windows should report, "Your modem has been set-up successfully".



- 7. Click <Finish>, you will then be returned to the "Phone and Modem options" panel. Select the newly added modem from the list and click <Properties>.

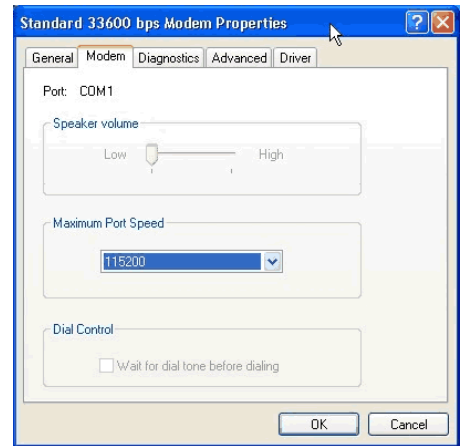


MPDS Configuration Sheet

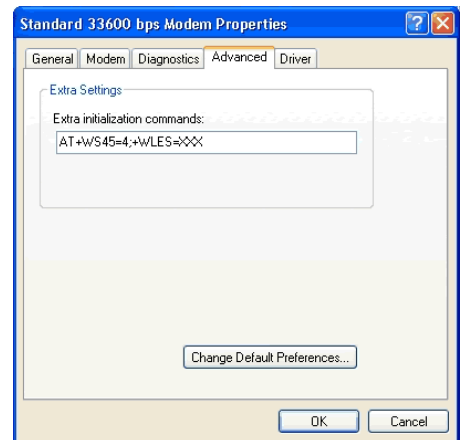
Windows XP



- 8. Select the "Modem" tab and set the Maximum Port Speed to "115200" using the drop down box.



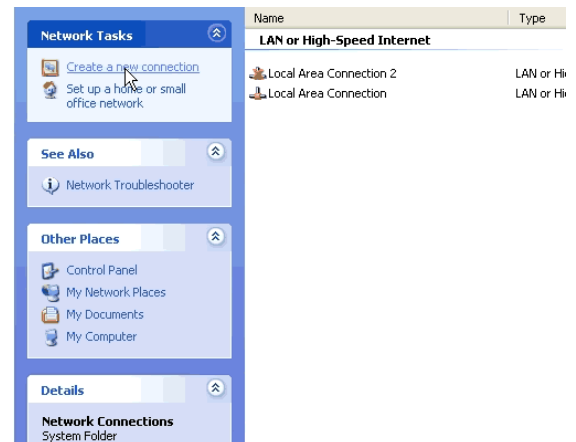
- 9. Select the "Advanced". In the "Extra initialisations commands" box enter the string in upper case "AT+WS45=4;+WLES=XXX" where XXX is the LESO code as issued by your service provider. Close the properties box by clicking <OK> twice. Close the Control Panel window by selecting the "Close" option from the "File" menu.



Setting up a Windows XP Networking Profile

To successfully connect to the Internet via an MPDS capable terminal, follow these steps:

- 10. From the "Start" menu, select "Settings->Network Connections". Select "New Connection Wizard".

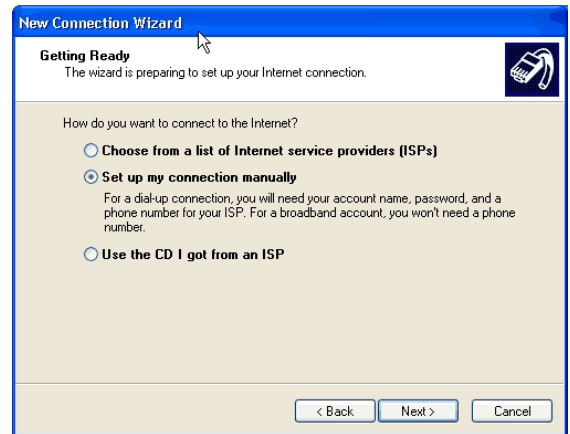


MPDS Configuration Sheet

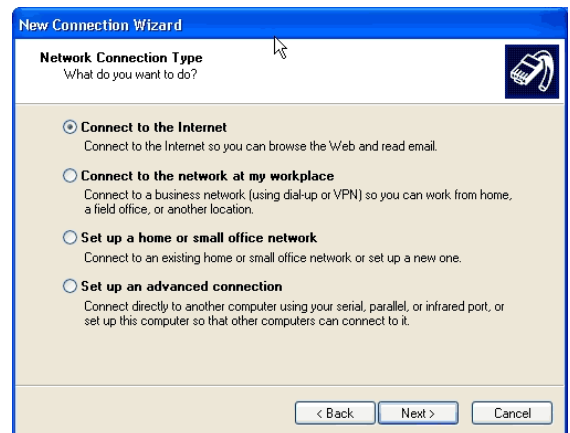
Windows XP



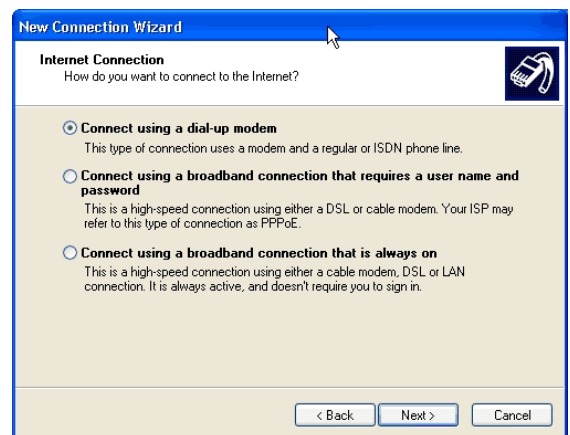
11. Select "Set up my connection manually" and click <Next>.



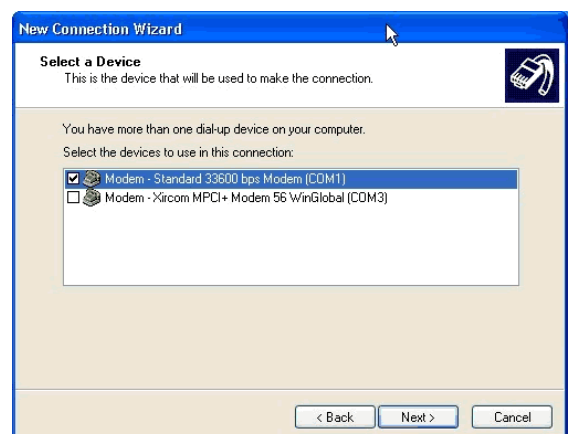
12. When asked "How do you want to connect to the Internet?", select "Connect using a dial-up modem" and click <Next>.



13. When asked "How do you want to connect to the Internet?", select "Connect using a dial-up modem" and click <Next>.



14. Select the modem that you created in the previous section: "Standard 33600bps Modem". Un-tick all others modems, then click <Next>.



MPDS Configuration Sheet

Windows XP



15. Enter a connection name in the "ISP Name" box and click <Next>.

The screenshot shows the 'New Connection Wizard' window. The title bar reads 'New Connection Wizard'. The main heading is 'Connection Name' with a sub-heading 'What is the name of the service that provides your Internet connection?'. Below this, it says 'Type the name of your ISP in the following box.' and 'ISP Name'. A text input field contains 'MPDS'. A note below the field states 'The name you type here will be the name of the connection you are creating.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

16. Enter "123" in the "Phone number" and box click <Next>.

The screenshot shows the 'New Connection Wizard' window. The title bar reads 'New Connection Wizard'. The main heading is 'Phone Number to Dial' with a sub-heading 'What is your ISP's phone number?'. Below this, it says 'Type the phone number below.' and 'Phone number:'. A text input field contains '123'. A note below the field states 'You might need to include a "1" or the area code, or both. If you are not sure you need the extra numbers, dial the phone number on your telephone. If you hear a modem sound, the number dialed is correct.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

17. Enter the User name and Password for the MPDS LESO you are using. These details can be obtained from your LESO. Un-tick all other options and click <Next>.

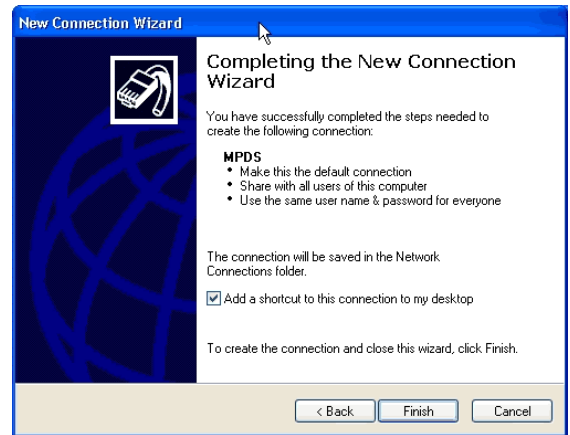
The screenshot shows the 'New Connection Wizard' window. The title bar reads 'New Connection Wizard'. The main heading is 'Internet Account Information' with a sub-heading 'You will need an account name and password to sign in to your Internet account.' Below this, it says 'Type an ISP account name and password, then write down this information and store it in a safe place. (If you have forgotten an existing account name or password, contact your ISP.)'. There are three text input fields: 'User name:' with 'USER', 'Password:' with three dots, and 'Confirm password:' with three dots. Below these are three checkboxes, all of which are unchecked: 'Use this account name and password when anyone connects to the Internet from this computer', 'Make this the default Internet connection', and 'Turn on Internet Connection Firewall for this connection'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

MPDS Configuration Sheet

Windows XP



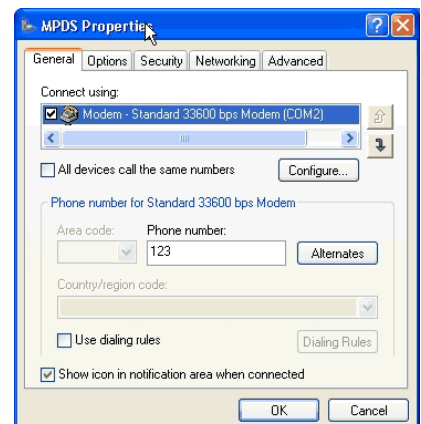
- 18. Tick the "Add a shortcut to this connection to my desktop" if required and click <Finish>.



- 19. The "Connect MPDS" box will open, click <Properties>.



- 20. In the "General" tab un-tick "All devices call the same numbers" and "Use dialling rules" tick "Show icon in notification area when connected". Select the "Networking" tab make sure the "Type of Dial up server I am calling" is set to "PPP Windows95/98/NT4/2000, Internet" and tick "Internet Protocol (TCP/IP)" and "QoS Packet Scheduler".

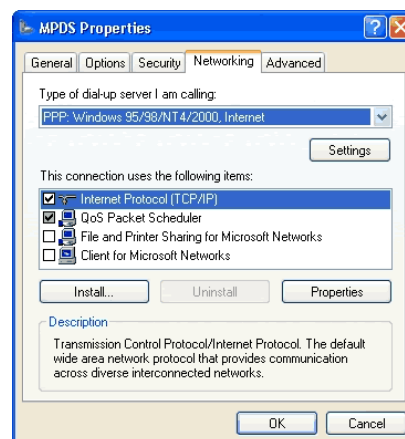


MPDS Configuration Sheet

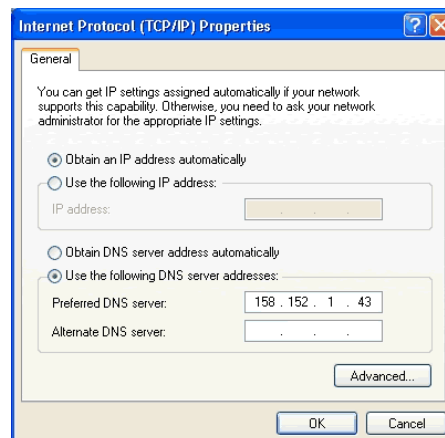
Windows XP



21. Select "Internet Protocol (TCP/IP)" and click <Properties>.



22. In the "General" tab ensure "Obtain an IP Address automatically" and "Use the following DNS server addresses" are selected. Enter the "DNS Addresses" as supplied by your LESO. Click <OK> twice to get back to the "Connect .." box.



23. Click <Dial> to connect to MPDS.



Optimising the connection

During an MPDS connection, you are only charged for data that is sent and received. Therefore, it does not matter how long you are connected, but only how much data you send and receive. Keeping this to a minimum is essential to keeping costs down.

Available Upgrades

[Windows XPSERVICE Pack 1](#)

Careful software configuration

Every package you use to send and receive data (or to create data) can benefit from careful configuration to ensure less data is sent and received. Consider the following:

- o Choose data formats carefully; many desktop applications create large output files. Can another, simpler, format be used?
- o Compress data; Zip all documents/files that are to be sent and received.
- o Go through application configurations checking that extra data is not sent and received. For example, e-mail applications do not need to add signatures, or send delivery reports.
- o Check that all unnecessary network applications are stopped when not in use. For example, new 'ticker tape', instant messaging and even e-mail applications can generate unwanted traffic.

Monitoring traffic

If you are aware of the traffic being sent and received by your PC, you can see which applications are generating the most traffic, and which are generating totally unwanted traffic. Even if you cannot fix the problem yourself, it can be brought to the attention of your IT department, you may be able to better configure an application, or change the way in which it operates.

A simple way of monitoring your connection is to check the bytes sent and received after each connection using the dial-up networking statistics available in the properties of the "system tray icon" whilst you are connected.

Inmarsat also provide two tools to enable you to monitor traffic:

- o [IP Consultant](#)
- o [Cost Comparison Tool](#)
- o [DUmeter](#) - another shareware monitoring tool.