# MULTIPATH-IP UPLOAD/DOWNLOAD

## CROW RUNNER DIALLER

Version 1.2

## Before You Begin

A High speed broadband Internet connection is recommended for use of the Multipath-IP upload/ download feature. Using a mobile hotspot can introduce delays which may impact on the performance of the upload / download feature.

The latest version on the Multipath-IP client must be installed on the same machine as your panel software.

A com0com virtual COM port pair must be installed to link the Multipath-IP software and the panel software. Instructions on how to do this are at the end of this guide. For this guide we will be using ports 10 and 11.

A 300 baud Windows modem must be installed on one half of the virtual COM port pair. Instructions on how to do this are at the end of this guide. For consistency we recommend installing the modem on the higher port number.

## Panel Setup

The Crow Runner must be programmed for remote access via telephone line. Program the panel for 2 rings to answer an incoming call. We recommend that Fax Defeat is not enabled.  Please consult the Crow Runner installation manual for more detailed information.
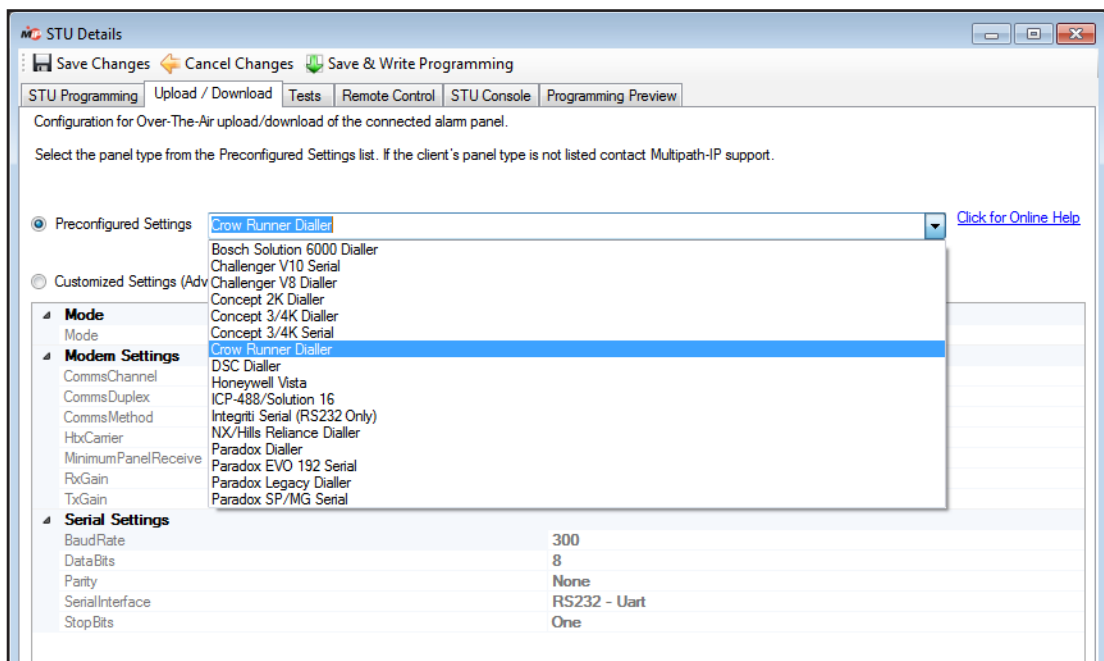
## Multipath-IP Client setup

Log into your Multipath-IP Client Software using your Username and Password.

Select the T4000 to use from the main grid of the Monitored STUs section.



Double Click on the T4000 to open the STU details page. Go to the Upload/Download tab. From the Preconfigured Settings dropbox select Crow Runner Dialler.
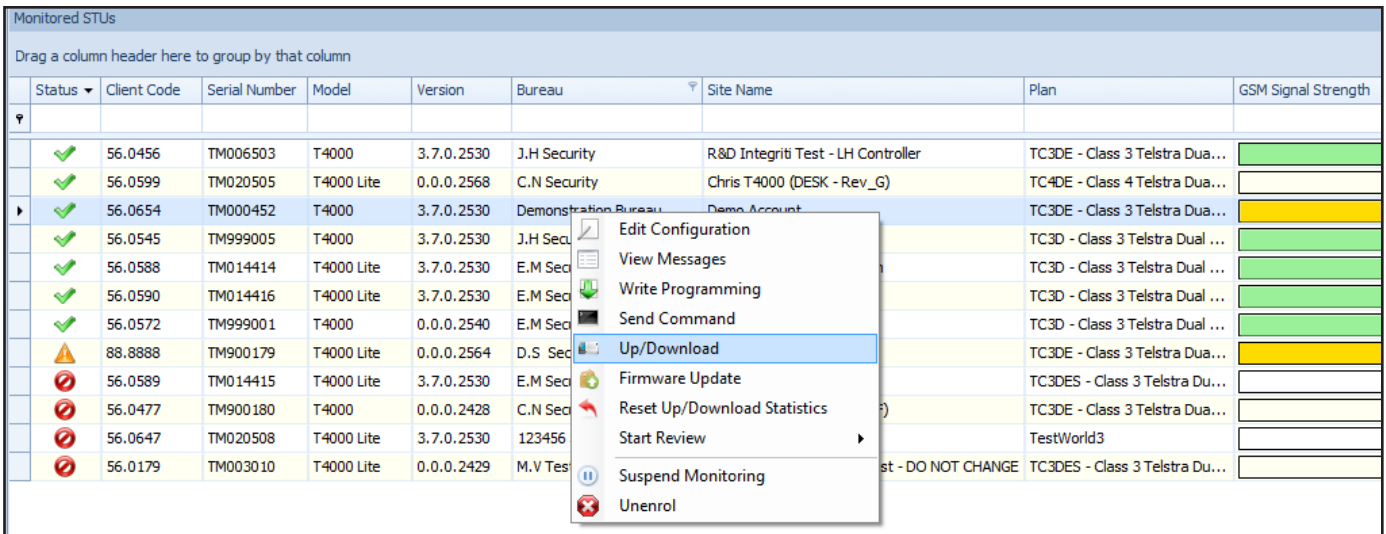


Click **Save & Write Programming** to push the changes to the T4000 immediately. If you just save changes they will be written to the T4000 the next time it polls in.
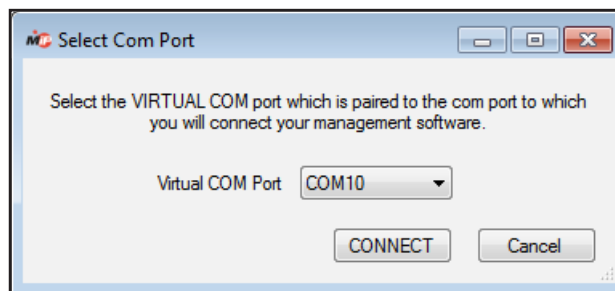
Close the STU details dialog.

# Initiating Upload Download

Right Click on the T4000 to use in the main grid of the Monitored STUs section. From the popup menu choose Upload / Download.
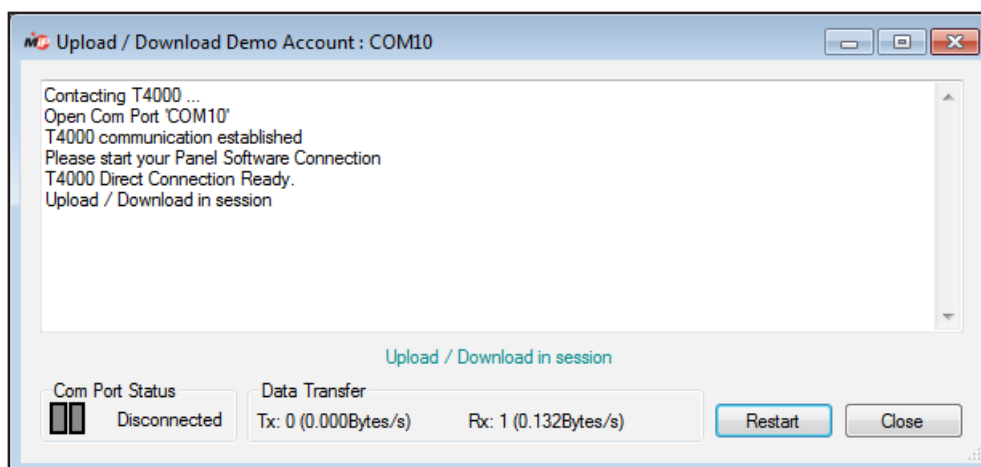
| Status | Client Code | Serial Number | Model | Version | Bureau | Site Name | Plan | GSM Signal Strength |
|---|---|---|---|---|---|---|---|---|
| ✔ | 56.0456 | TM006503 | T4000 | 3.7.0.2530 | J.H Security | R&D Integriti Test - LH Controller | TC3DE - Class 3 Telstra Dua… | |
| ✔ | 56.0599 | TM020505 | T4000 Lite | 0.0.0.2568 | C.N Security | Chris T4000 (DESK - Rev_G) | TC4DE - Class 4 Telstra Dua… | |
| ▶ ✔ | 56.0654 | TM000452 | T4000 | 3.7.0.2530 | Demonstration Bureau | Demo Account | TC3DE - Class 3 Telstra Dua… | |
| ✔ | 56.0545 | TM999005 | T4000 | 3.7.0.2530 | J.H Sec | | TC3D - Class 3 Telstra Dual … | |
| ✔ | 56.0588 | TM014414 | T4000 Lite | 3.7.0.2530 | E.M Sec | | TC3D - Class 3 Telstra Dual … | |
| ✔ | 56.0590 | TM014416 | T4000 Lite | 3.7.0.2530 | E.M Sec | | TC3D - Class 3 Telstra Dual … | |
| ✔ | 56.0572 | TM999001 | T4000 | 0.0.0.2540 | E.M Sec | | TC3D - Class 3 Telstra Dual … | |
| ⚠ | 88.8888 | TM900179 | T4000 Lite | 0.0.0.2564 | D.S Sec | | TC3DE - Class 3 Telstra Dua… | |
| ⊘ | 56.0589 | TM014415 | T4000 Lite | 3.7.0.2530 | E.M Sec | | TC3DES - Class 3 Telstra Du… | |
| ⊘ | 56.0477 | TM900180 | T4000 | 0.0.0.2428 | C.N Sec | | TC3DE - Class 3 Telstra Dua… | |
| ⊘ | 56.0647 | TM020508 | T4000 Lite | 3.7.0.2530 | 123456 | | TestWorld3 | |
| ⊘ | 56.0179 | TM003010 | T4000 Lite | 0.0.0.2429 | M.V Test | st - DO NOT CHANGE | TC3DES - Class 3 Telstra Du… | |

Popup menu:
- Edit Configuration
- View Messages
- Write Programming
- Send Command
- Up/Download
- Firmware Update
- Reset Up/Download Statistics
- Start Review ▶
- Suspend Monitoring
- Unenrol

You will be prompted to select a COM port. Select one of the com0com virtual COM port pair ports and click Connect. This will be the COM port that **does not** have the modem installed on it.

**Select Com Port**

Select the VIRTUAL COM port which is paired to the com port to which you will connect your management software.

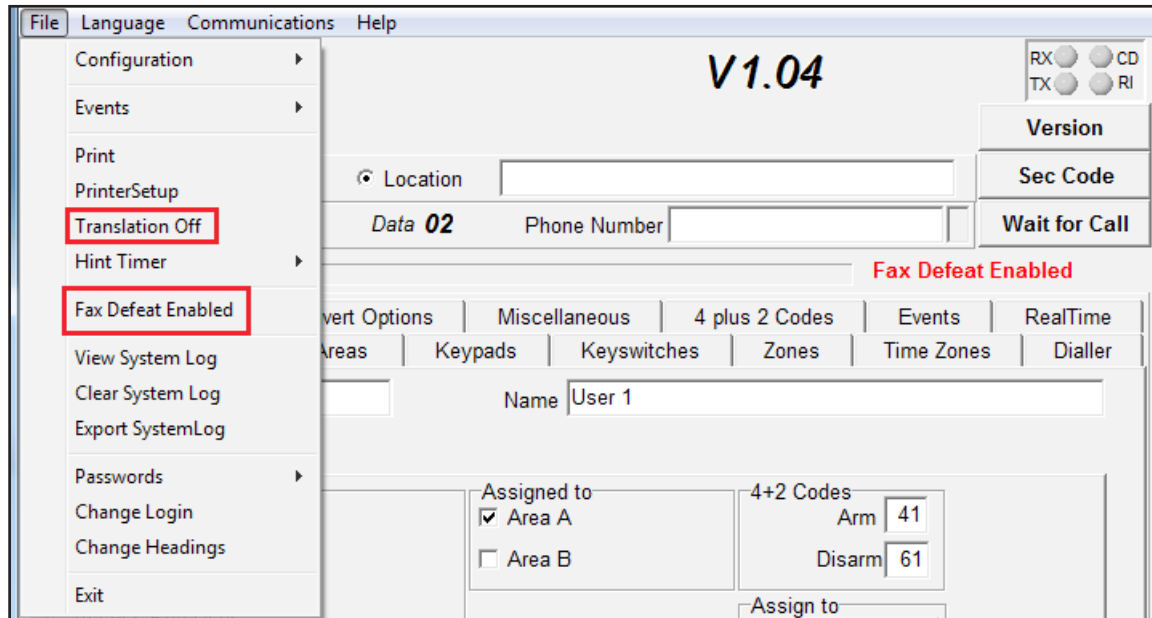Virtual COM Port  COM10 ▼

CONNECT    Cancel

The Upload Download dialog will open and contact the T4000 starting the session. Once the phrase **Please start your Panel Software Connection** has been displayed you can open your panel software and initiate the connection to the panel.
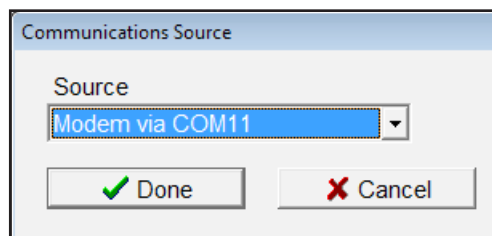
**Upload / Download Demo Account : COM10**

Contacting T4000 …
Open Com Port 'COM10'
T4000 communication established
Please start your Panel Software Connection
T4000 Direct Connection Ready.
Upload / Download in session

Upload / Download in session

Com Port Status  ▯▯ Disconnected
Data Transfer  Tx: 0 (0.000Bytes/s)    Rx: 1 (0.132Bytes/s)
Restart    Close

# Panel Software Setup and Connection

Open the Crow Runner Software, this must be done after the upload download connection has been started in the Multipath-IP client software.
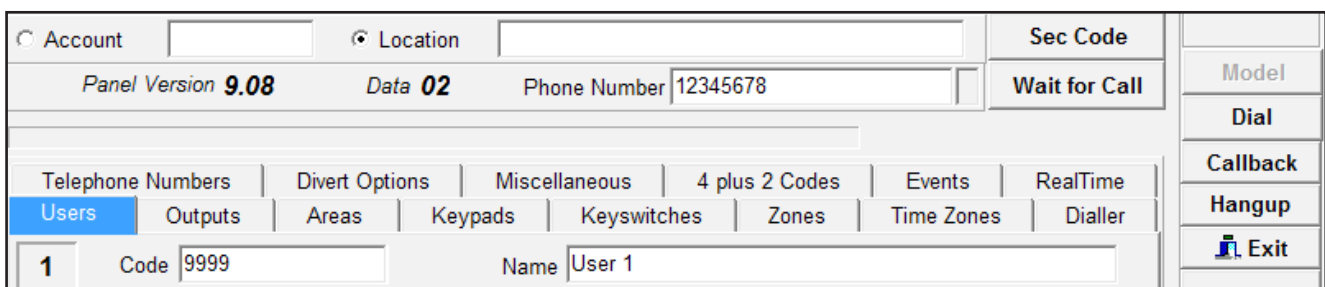
Go to File and click on Translation Off. We recommend that Fax Defeat is disabled.



Go to Communications > Source and set the Modem to the half of the COM port pair the modem is installed on e.g. COM 11.
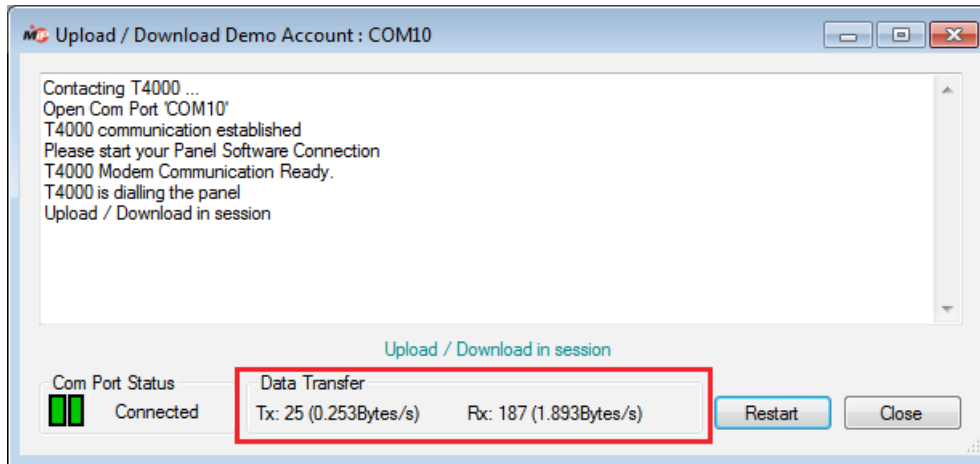


Enter a number in the Phone Number Field and click Dial to start the connection.

# Verifying and closing Upload Download

Once the Panel software initiates its connection data will start to pass through the T4000. In the upload download window the Data Transfer Tx and Rx values will start to increase.



If you do not see any change in these values check the configuration of you Multipath-IP client and your Panel software.
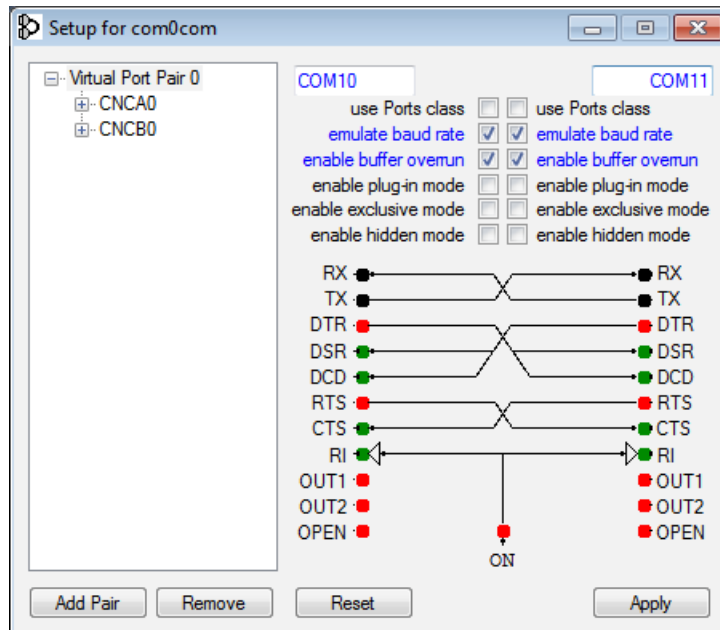
At the end of your upload download session disconnect your panel software as normal. Once the panel software has disconnected close the Multipath-IP upload download window.

# com0com Setup

Open the com0com **setupg.exe** as an administrator. By default this will be installed in C:\Program Files (x86)\com0com

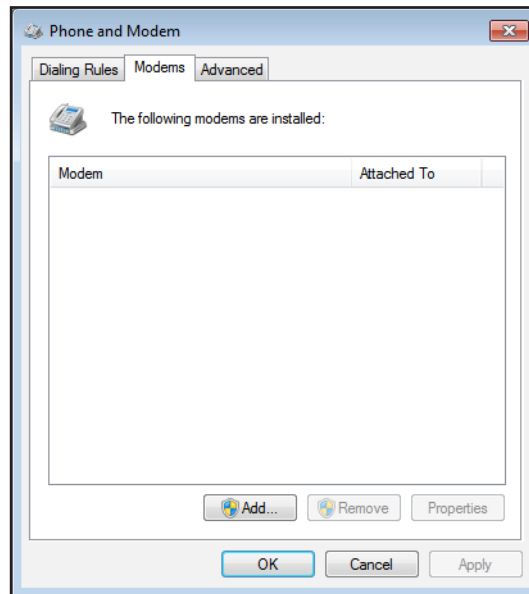Click on Add Pair to create a new virtual COM port pair.



Once the pair is added they must be renamed as COM numbers. We recommend using COM10 and COM11, if these ports are already in use you can use different numbers.

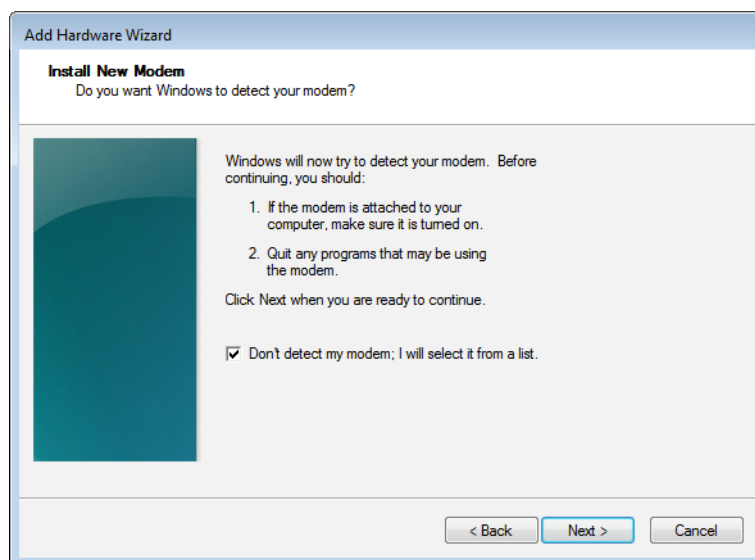Emulate Baud Rate and Enable Buffer Overrun must be enabled on both ports.

After these changes have been made click Apply. Once complete close the com0com setup.
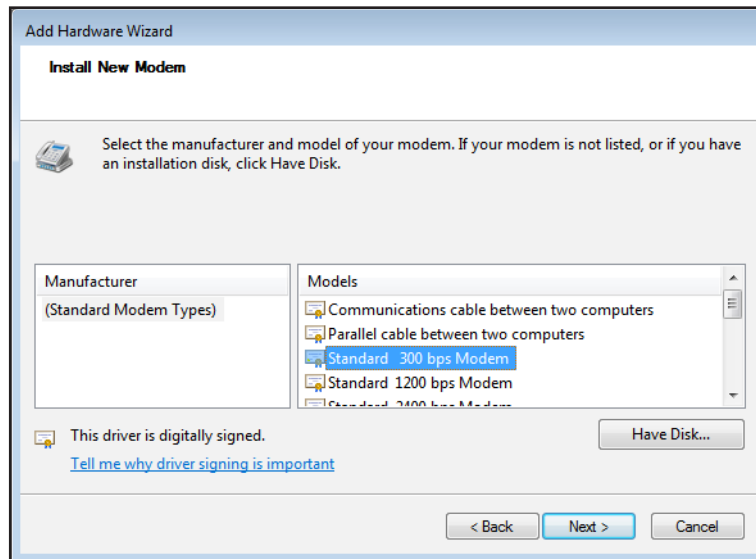
# Windows Modem Setup

Open Windows Phone and Modem setup. This is accessible from Control Panel or searching from the start menu.
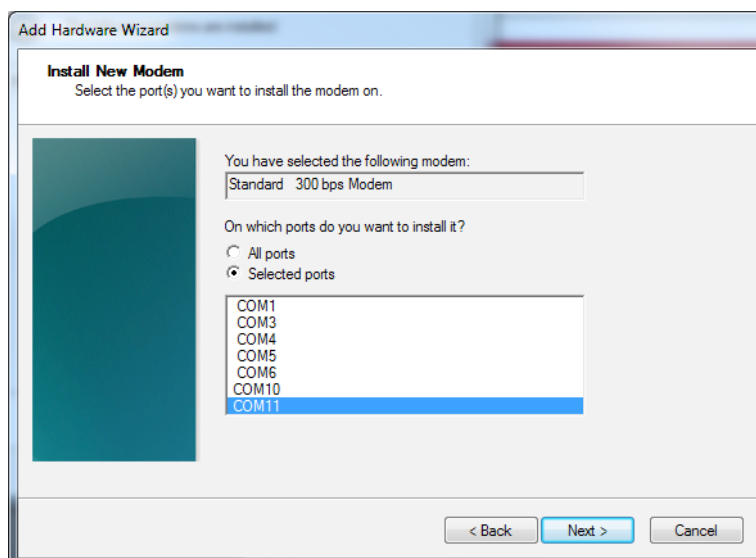
When prompted tick **Don't detect my modem; I will select it from a list.** Then click Next.

From the list of Models select the 300 baud Standard modem. Then click Next.



Select which port to install the modem on. This must be one of the com0com virtual COM port pair created earlier. For consistency we recommend using the higher port number for the modem.



Click the next button to install the modem and click Finish. Your new modem will now be displayed in the modem list.