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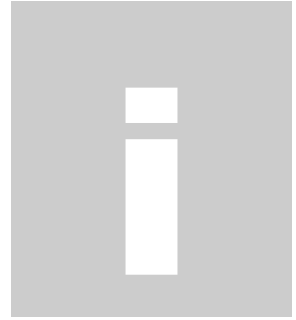


USB Bluetooth Adapter

**Manual and
Application note**

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Introduction

Bluetooth is an open specification for a cutting-edge technology that enables short-range wireless connections between desktop and laptop computers, personal digital assistants, cellular phones, printers, scanners, digital cameras and even home appliances — on a globally available band (2.4GHz) for worldwide compatibility. In a nutshell, Bluetooth unplugs your digital peripherals and makes cable clutter a thing of the past. Now you can connect your PDA or PC to Bluetooth™ enabled mobile phone with this Bluetooth™ adapter.

You can access e-mail & Internet no matter where you are with just a little help from your Bluetooth™ mobile phone.

Plus, when you are back in the office, you can hook yourself up to your office network as well as communicate with other Bluetooth™-enabled devices.

1

Chapter1

Package

- One Bluetooth adapter
- One driver and software disk
- This user manual

Features

- Bluetooth v1.1 compliant
- USB Bluetooth adapter support full speed USB v1.1 Interface.
- release 2.1 and JEIDA 4.x standards.
- Wireless communication within a radius of 32 Feet (10 Meters) for Class 2 Bluetooth devices.
- Wireless communication within a radius of 328 Feet (100 Meters) for Class 1 Bluetooth devices.
- Connect up to 7 different Bluetooth enabled devices
- Encryption and authentication to ensure safe, secure communications
- Low power consumption

Specifications

Main chip: CSR BlueCore 02

Protocol: Bluetooth 2.4 GHz ISM band frequency hopping

Data Rate: 721 Kbps

Connect up to 7 devices in a **Piconet**

Antenna: Integrated inside the adapter

0dBm(Class 2) Bluetooth radio:

Connection within a range of up to 32 feet (10 meters)

Class1 Bluetooth radio:

Connection within a range of up to 328 feet (100 meters)

Sensitivity: -80dbm at 0.1% Bit Error Rate (BER)

Security: encrypted link, authentication

Bluetooth profile support includes:

Generic Access Profile (**GAP**),

Serial Port Profile (**SPP**),

Service Discovery Application Profile (**SDAP**),

Generic Object Exchange Profile (**GOEP**),

Object Push Profile (**OPP**),

File Transfer Profile (**FTP**),

Dial-up Network Profile (**DUN**),

LAN Access Profile (**LAP**),

Fax Profile (**FAX**),

Synchronization Profile,

Headset Profile,

Personal Area Network (**PAN**)

Human Interface Device (**HID**)

Hardcopy Cable Replacement Profile (**HCRP**)

Mechanics

USB Bluetooth Dimension:

58.6 x 19.8 x 8.1 mm (L x W x H) (for Class 2)

72.2 x 29.8 x 8.5 mm (L x W x H) (for Class 1 width including external antenna)

Certification

FCC, CE, BQB

Environmental Operating Ranges

- Temperature: 0 ~ 50%
- Humidity: 10 ~ 90%

Power Consumption

USB Bluetooth:

Typical: 40mA/5V
Maximum: 90mA/5V

LED Indication

CF adapter LED: Power on, Activity

PCMCIA adapter LED: Activity

Drivers support

USB Bluetooth:

Windows 98SE, Me, 2000, XP

2

Chapter2

Setup for Windows 98SE/2000/ME/XP

Installing Bluetooth software for Windows

(1) Place installation CD into PC and the setup menu should launch automatically.

If the setup menu does not launch automatically, use Windows Explorer to navigate to the appropriate CD-ROM drive and run "**Bsetup**".



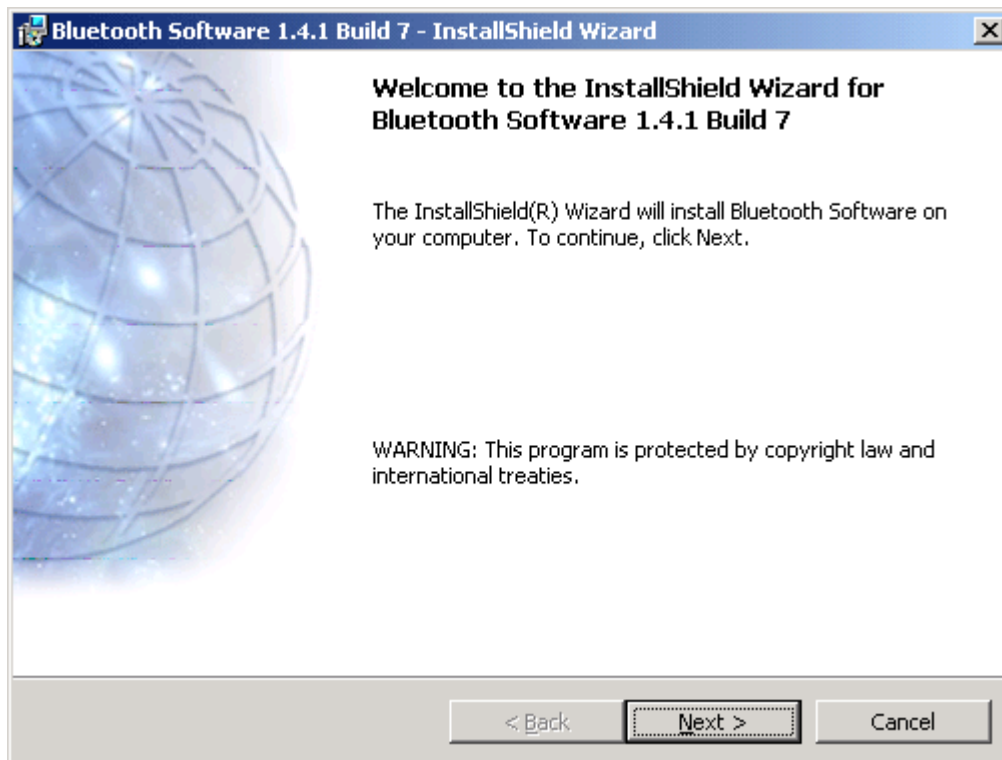
(2) Complete the following steps to install Bluetooth software:

(a) Exit all applications.

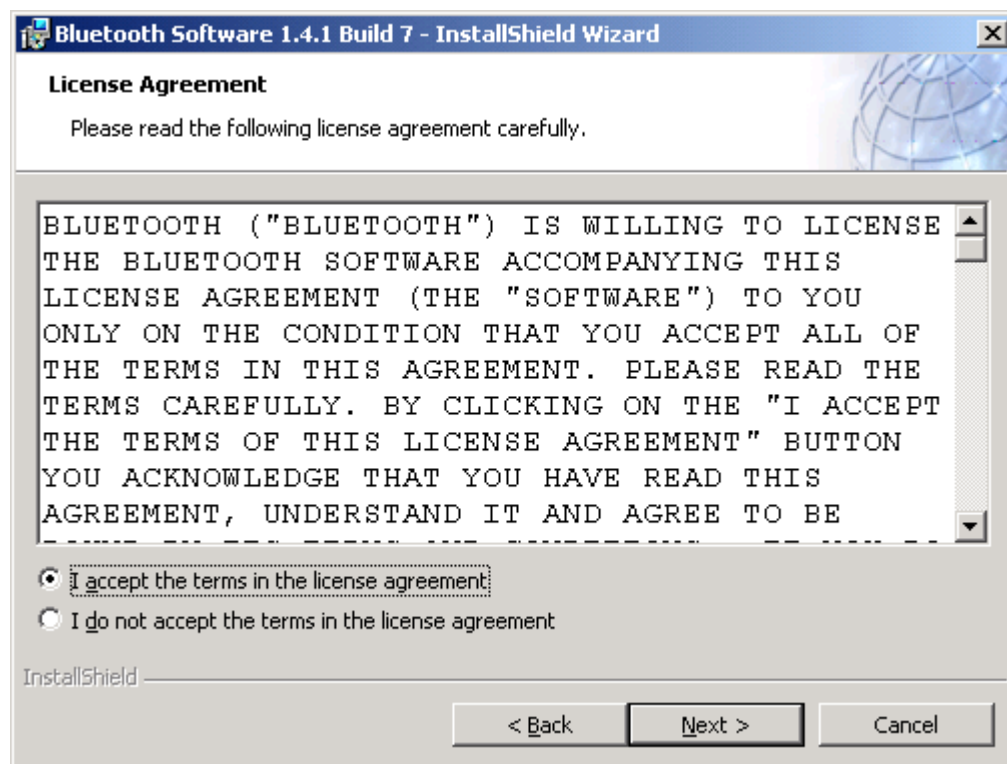
(b) InstallShield Wizard setup dialog box will automatically be displayed.

(c) Follow the instructions on screen:

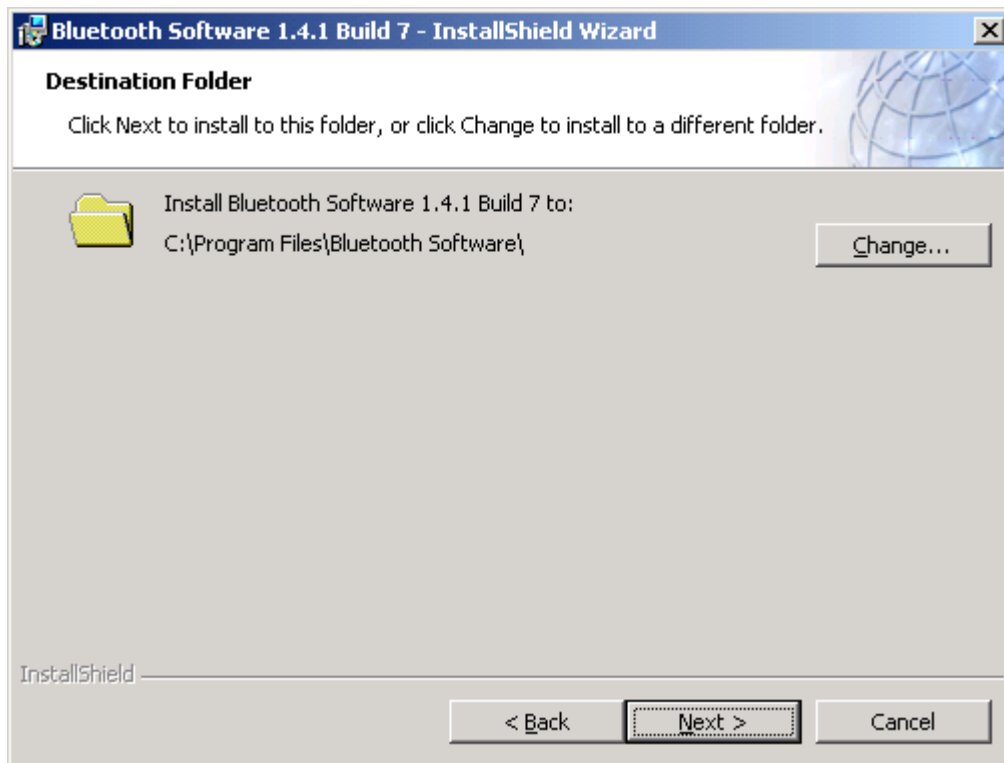
(d) On the *Welcome* screen, click the **Next** button.



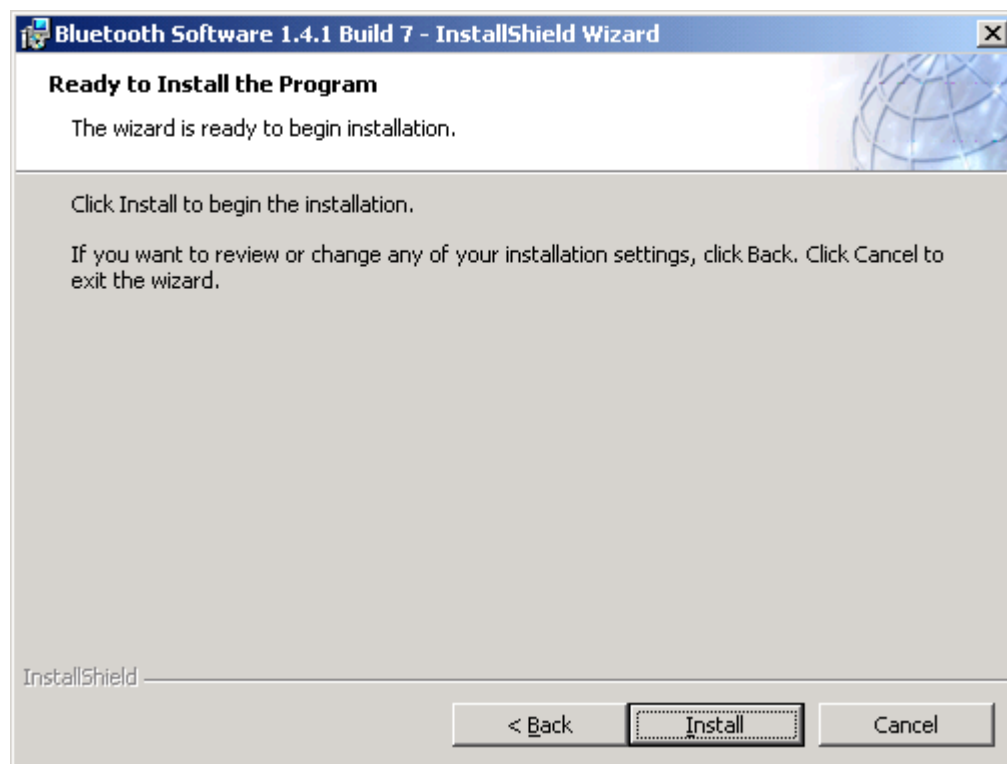
(e) When the *License Agreement* screen is displayed, read the License Agreement, then click the radio button to the left of "**I accept the terms in the license agreement**" and click the **Next** button.



(f) You can choose the destination folder in your system, if you do not want to change the destination folder please click “**Next**”. On the *Destination Folder* screen, click the **Change** button to browse to a new destination folder for the Bluetooth software. Otherwise, click the **Next** button to accept the default folder.



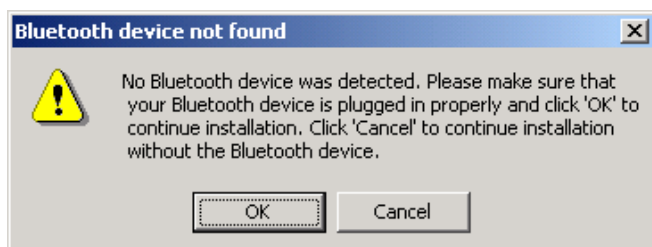
(g) The system is ready to install the Bluetooth software. If you need to review or change any settings, click the **"Back"** button. Click the **"Cancel"** button to exit the Wizard. Otherwise, click the **"Install"** button.



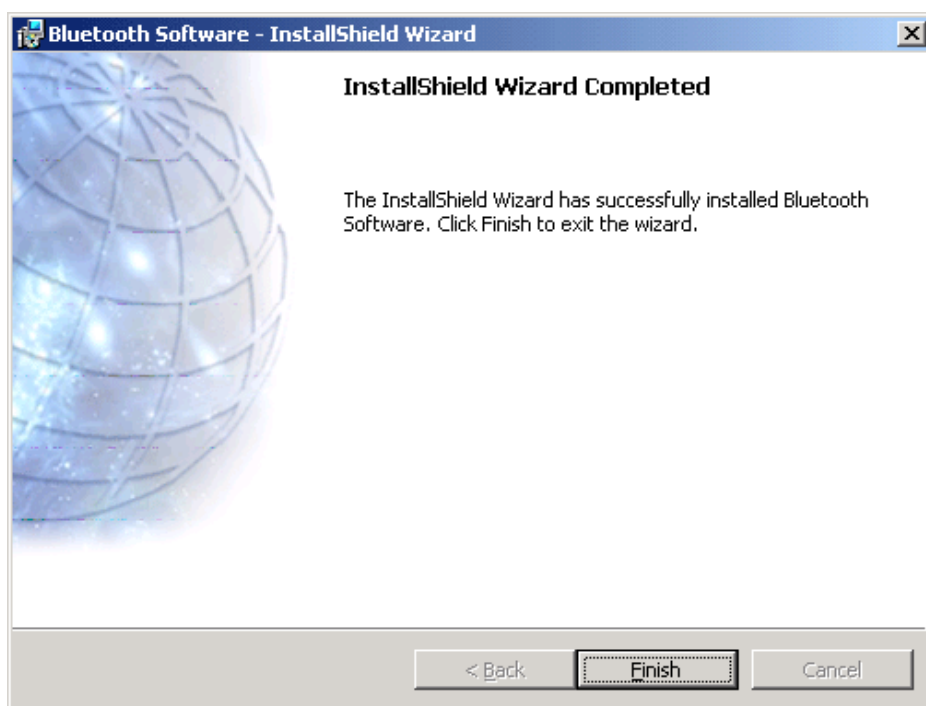
(h) For Windows 2000/XP users, system will popup a **"Driver Signature Notice"**, please click the **"OK"** button.



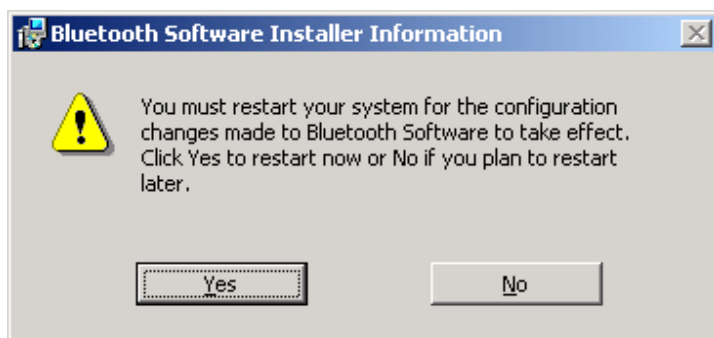
(i) During the installation of USB Bluetooth adapter, system will try to detect your Bluetooth device, please make sure your Bluetooth device is plugged in properly. If the USB Bluetooth adapter was not plugged in previously, a message box as below will pop up, please plug it in now and click "**OK**" to continue, or you can click "**Cancel**" to continue the installation without the Bluetooth device.



(j) When the installation is completed, please click the "**Finish**" button.



(k) Click "**Yes**" to restart your computer. If you plan to restart later, click "**No**".



For more information of Bluetooth software Configuration & User's Guide, please refer to Chapter 3 of this application note.

Chapter3

Application note for Windows 98SE/ME/2000/XP

3.1 Icons used for Bluetooth devices and services































Bluetooth icons provide at-a-glance feedback about a device or service's status by changing appearance.

The Bluetooth icon in the Windows system tray provides feedback about Bluetooth status.




























Basic Bluetooth Icon

Bluetooth Icon Indicates Bluetooth Status		
Enabled	Disabled	Connected
		
Blue with White	Blue with Red	Blue with Green































Device Icons for Windows 98SE, Me and 2K

Device Icons for Windows 9x, Me and 2K			
Name	Normal	Connected	Paired
Audio Gateway			
Desktop			
Headset			
Laptop			
Modem			
Network Access Point			
Personal Digital Assistant			
Printer			
Telephone			
Unknown			




























Service Icons for Windows 98SE, Me and 2K

Service Icons for Windows 9x, Me and 2K			
Name	Normal	Connected	Not Available*
Audio Gateway			
Dial-up Networking			
Fax			
Headset			
Network Access			
PIM Item Transfer			
PIM Synchronization			
Public Folder			
Serial Port			
*Services may be unavailable because they are in use or because the necessary hardware is not installed.			

Device Icons for Windows XP

Device Icons for Windows XP			
Name	Normal	Connected	Paired
Audio Gateway			
Desktop			
Headset			
Laptop			
Modem			
Network Access Point			
Personal Digital Assistant			
Printer			
Telephone			
Unknown Device			

Service Icons for Windows XP

Service Icons for Windows XP			
Name	Normal	Connected	Not Available*
Audio Gateway			
Dial-up Networking			
Fax			
Headset			
Network Access			
PIM Item Transfer			
PIM Synchronization			
Public Folder			
Serial Port			

*Services may be unavailable because they are in use or because the necessary hardware is not installed.

NOTE: *Only available services are displayed in the menus*

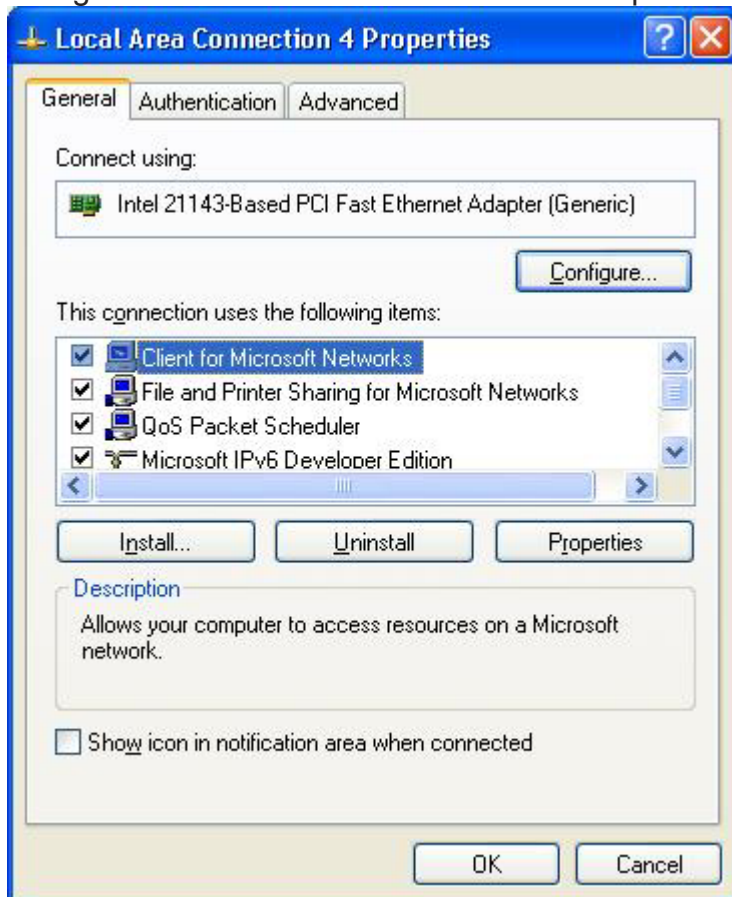
3.2. Network sharing setting for Windows

The Network Access service permits a Bluetooth enabled PC (client) to access the Internet via another Bluetooth enabled PC (Server) that already has an Ethernet connection.

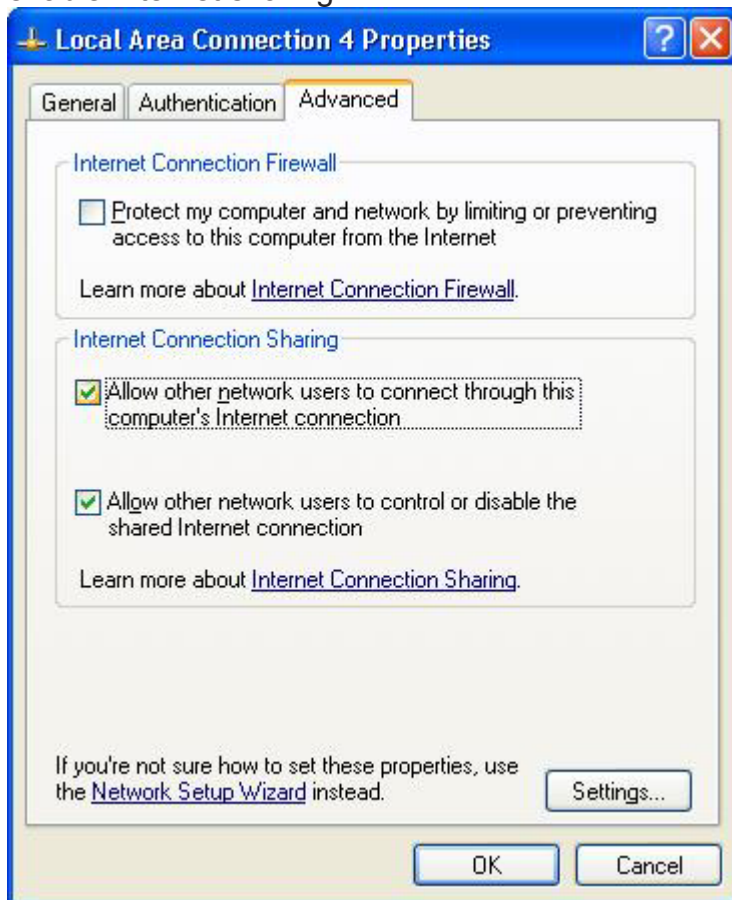
Windows network sharing setting

PC to PC (Windows 2000 or Windows XP)

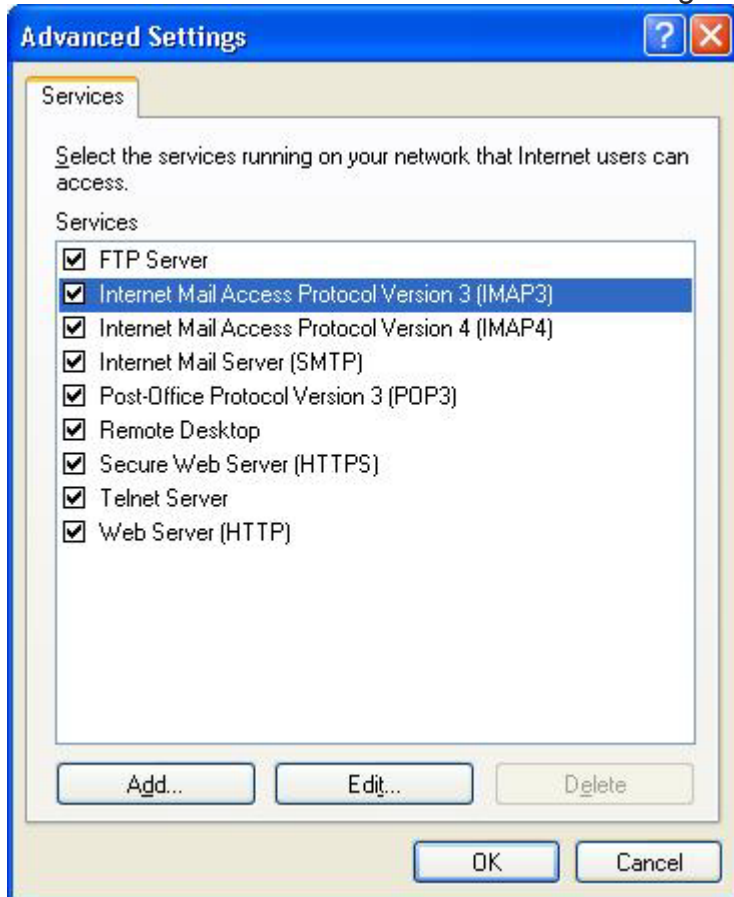
1. To enable Internet Connection Sharing on the server PC
2. Click on **Start menu-->Settings -->Network and Dial-up Connections** and find your Local Area Connection (LAN) that is connected to the Internet.
3. Right click the active LAN connection to open the "**Properties**" dialog box.



4. Click on **"Advanced"** tab and select the **"Internet Connection Sharing"** checkbox to enable Internet sharing.

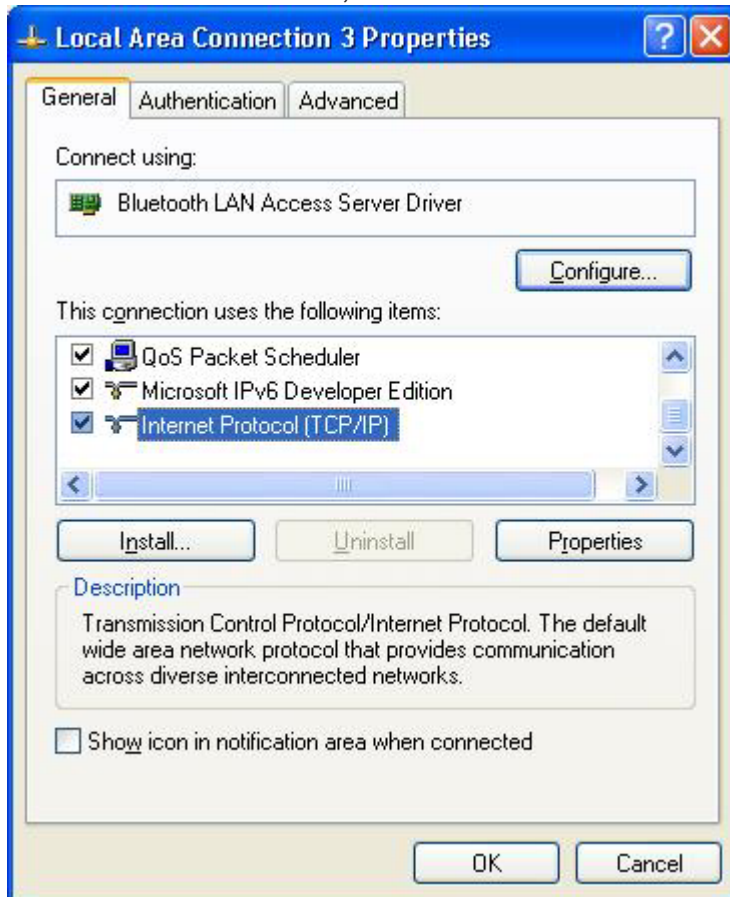


5. Click on **"Settings..."** button and select the services you wish to provide other Bluetooth devices. Click **"OK"** to save the changes.

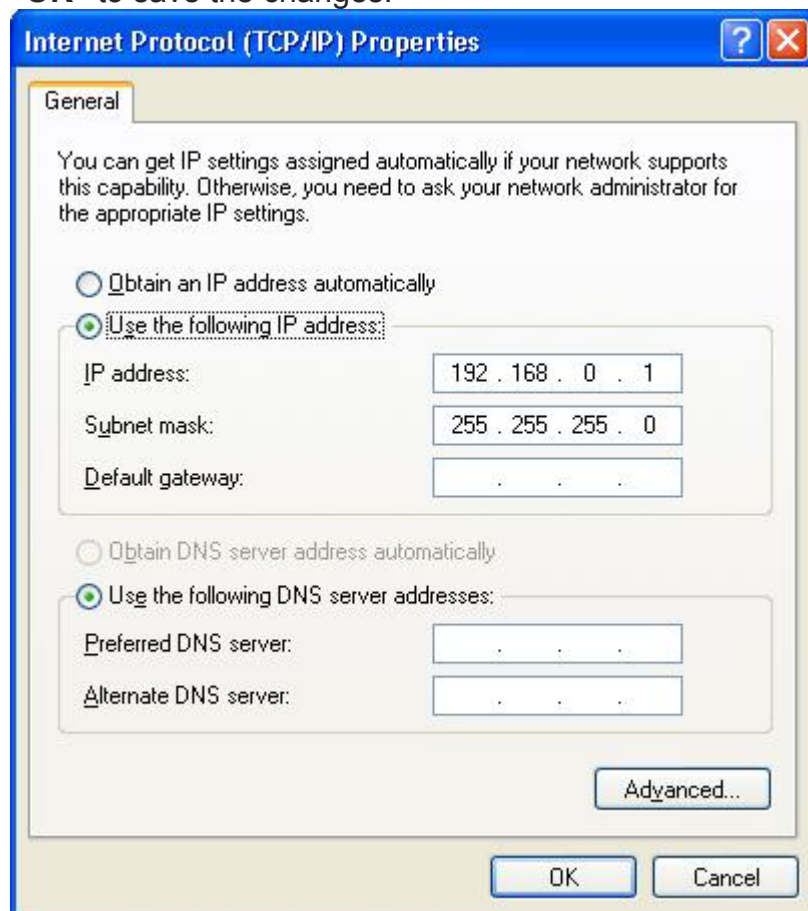


6. Go back to the **"Network and Dial-up Connections"** window, right click the **"Bluetooth LAN Access Server Driver"** and select **"Properties"**.

7. Under **"General"** tab, click on **"Internet Protocol (TCP/IP)"** and **"Properties"**.



8. Under "**General**" tab, assign a virtual IP as shown in the picture below. Then click "**OK**" to save the changes.

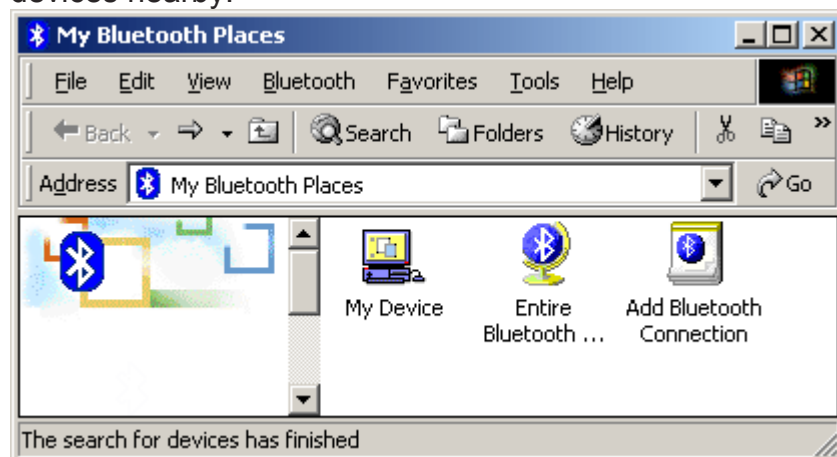


9. This allows the server PC to act as a DHCP server towards the client PCs.

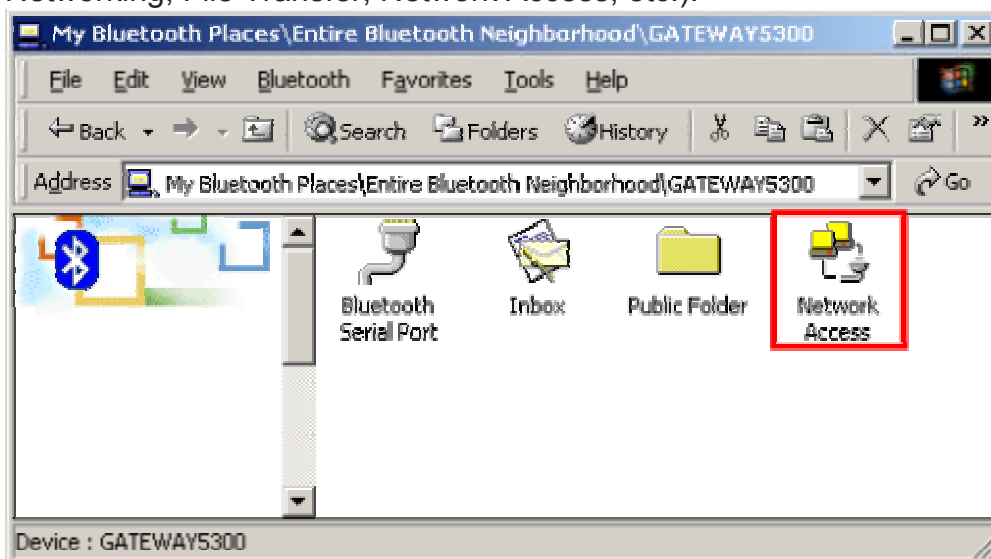
NOTE: For Win98SE and WinMe, please download and install WinRoute (or similar program) on the Server PC to allow DHCP service.

10. On the client PC, launch the Bluetooth software stack by clicking the "**My Bluetooth Places**" icon located on the desktop.

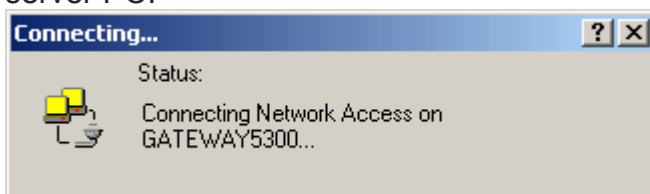
11. Double click the "**Entire Bluetooth Neighborhood**" icon to search for other Bluetooth devices nearby.



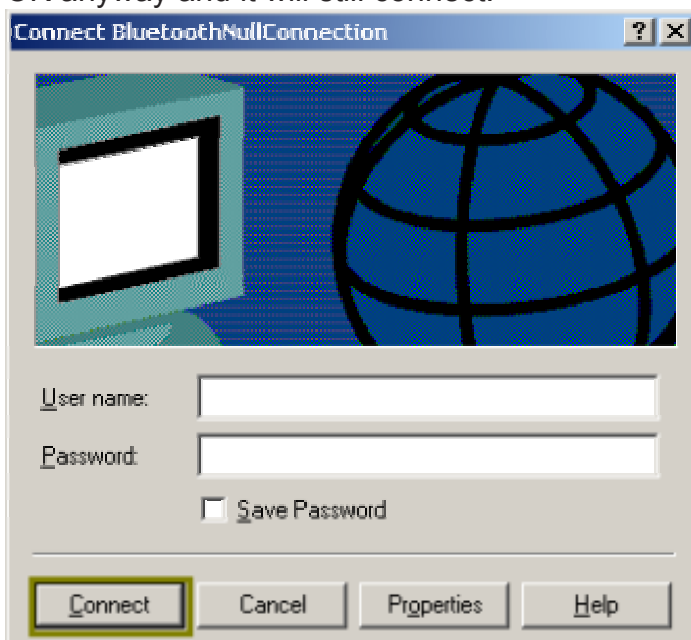
12. After searching is completed, locate the computer name of the server PC and double click it to discover the Bluetooth services it has to offer. (i.e. Bluetooth Serial Port, Dial-up Networking, File Transfer, Network Access, etc.).



13. Click on the "Network Access" icon to connect to the shared Internet connection on the server PC.



14. Click OK without entering any username or password. If one is already present, click OK anyway and it will still connect.



15. Now you can access the Internet via Bluetooth.

Note: *If your PC accesses the Internet via a proxy server, remember to configure the proxy setting of your browser program in the client PC. Consult your MIS personnel if you're not sure what to set.*

Proxy setup

1. To set up proxy, right click "**Internet Explorer**", select "**Properties**", select "**Connections**" tab. Select "**BluetoothNull Connection**" and click on "**Settings...**".



2. Select the **"Proxy server"** checkbox and enter the proxy address of you company and Port number. Then click **"OK"** to save the changes.

BluetoothNull Connection Settings

Automatic configuration
Automatic configuration may override manual settings. To ensure the use of manual settings, disable automatic configuration.

☐ Automatically detect settings

☐ Use automatic configuration script

Address:

Proxy server

☒ Use a proxy server for this connection (These settings will not apply to other connections).

Address: Port:

☐ Bypass proxy server for local addresses

Dial-up settings

User name:

Password:

Domain:

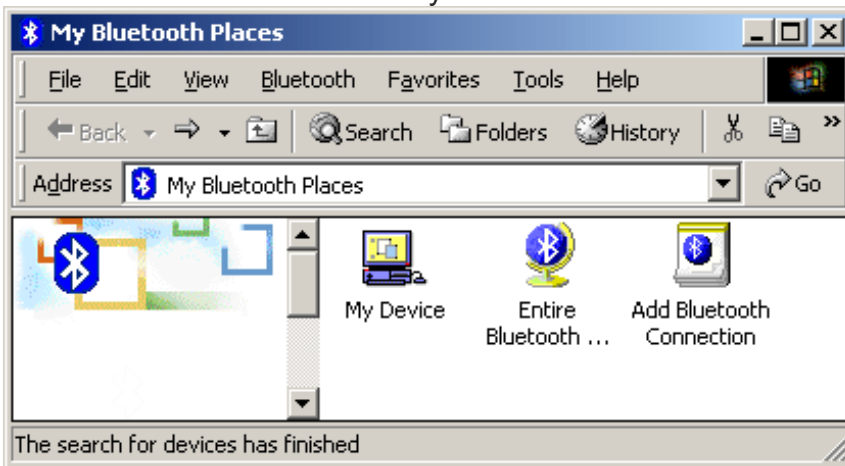
3.3. File transfer setting for Windows

The File Transfer service allows one Bluetooth device to perform file operations on the default File Transfer directory (and the folders and files it contains) of another Bluetooth device.

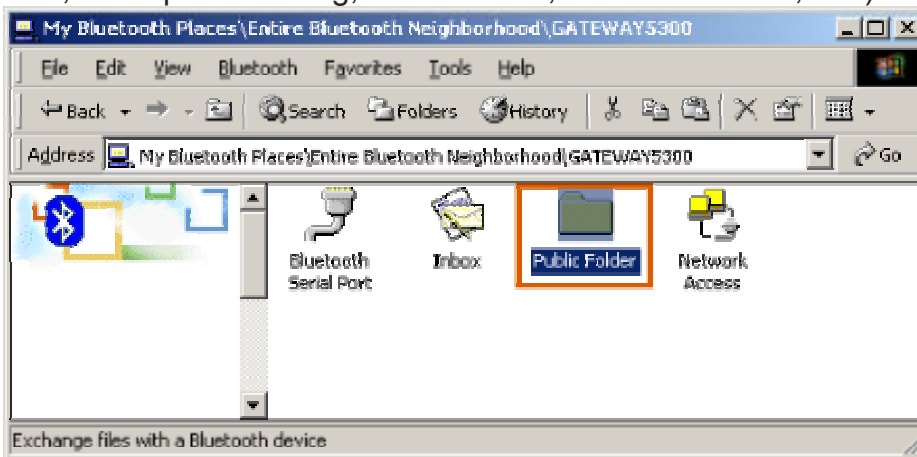
File transfer setting for Windows

PC to PC

1. After successful USB adapter setup on two PCs, launch the Bluetooth software stack on both PCs by clicking the **"My Bluetooth Places"** icon located on the desktop.
2. On one PC only, double click on **"Entire Bluetooth Neighborhood"** icon to search for other Bluetooth devices nearby.

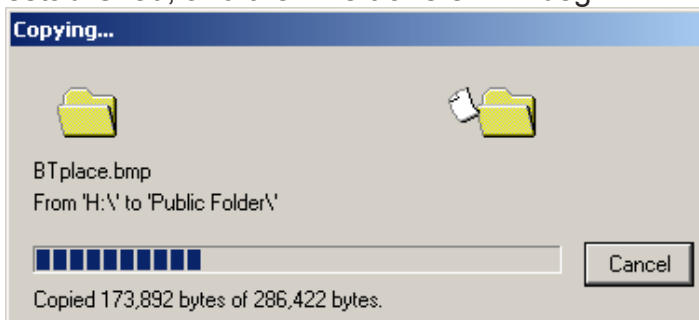


3. After searching is completed, locate the name of PC that you wish to transfer the file to and double click it to discover the Bluetooth services it has to offer (i.e. Bluetooth Serial Port, Dial-up Networking, File Transfer, Network Access, etc.).

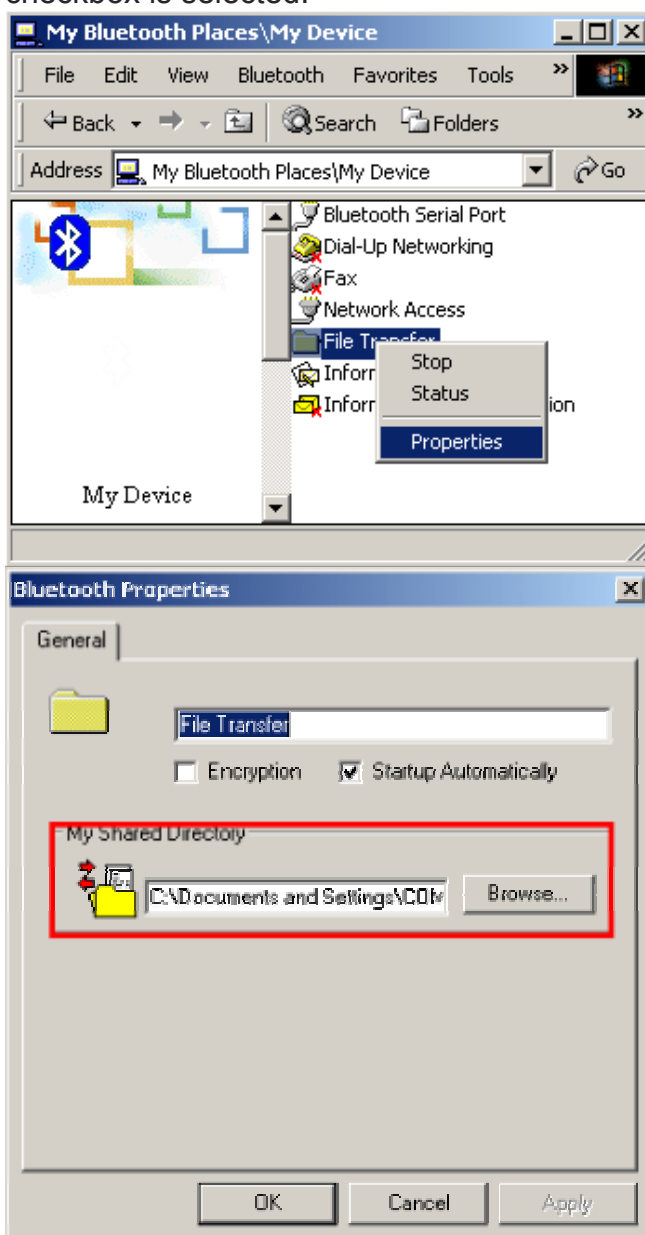


4. Double click the **"Public Folder"** icon to open the Bluetooth shared folder on the other PC.
5. Locate the file you wish to transfer to that PC and drag it into the **"Public Folder"** window.

6. At this time, a window will pop up to indicate that a file transfer connection is being established, and then file transfer will begin.



7. The file will be opened once the transfer is completed, if the **"Start Automatically"** checkbox is selected.



3.4. Dial-up networking setting for Windows

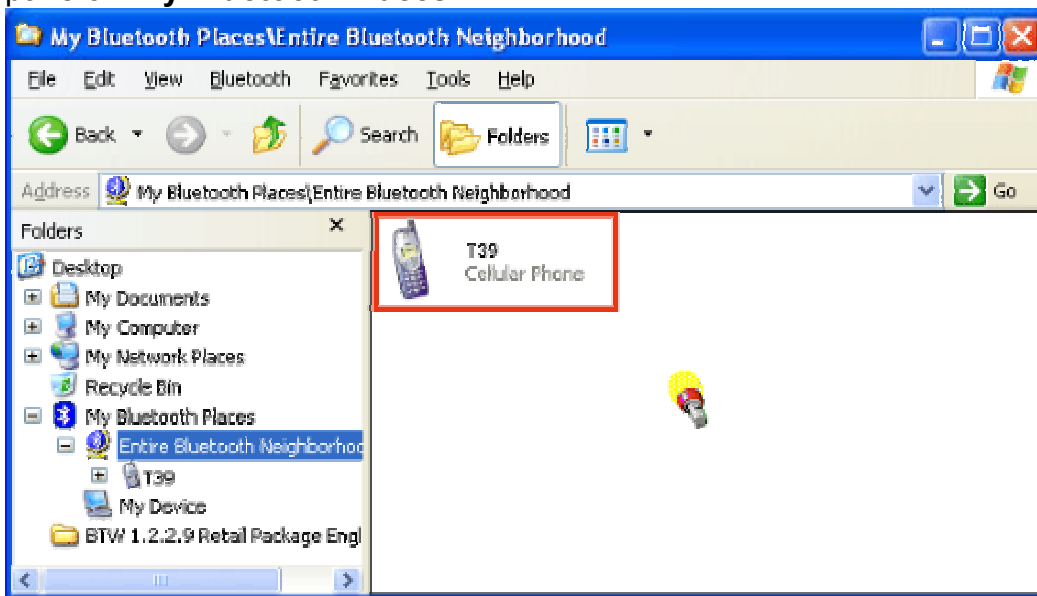
The Dial-up Networking service permits a Bluetooth client to use a modem that is physically connected to a different Bluetooth device (the server). After the Bluetooth wireless connection is established the client can use the server's modem as if it were a local device on the client.

To establish a Dial-up Networking session:

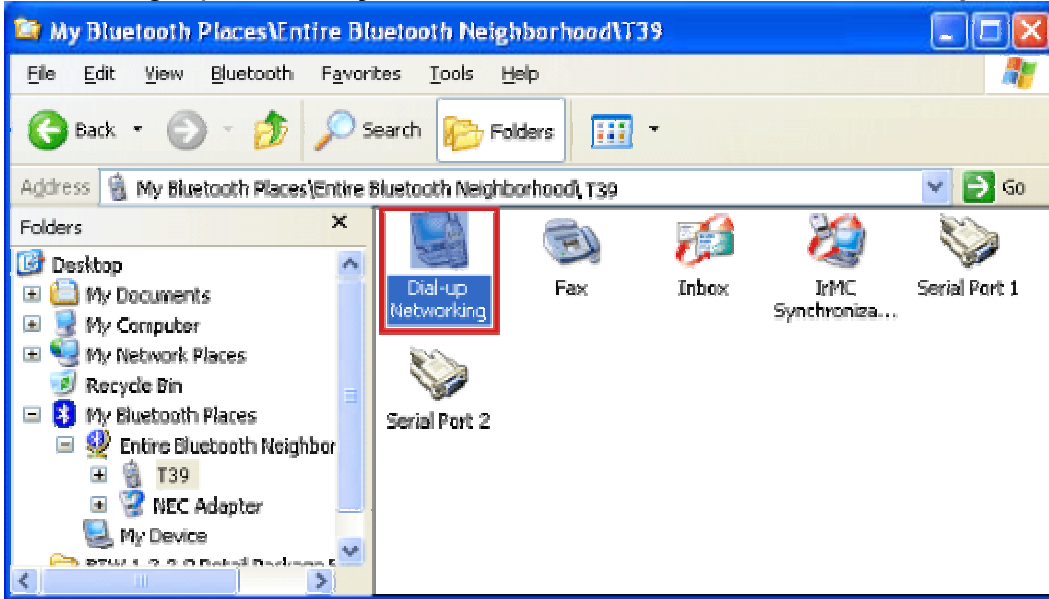
Dial-up networking setting for Windows

Connections are initiated from the client:

1. On the client, in the Folders pane of **"My Bluetooth Places"**, select **"Entire Bluetooth Neighborhood"**.
2. In the right pane of **"Entire Bluetooth Neighborhood"**, right-click anywhere *except on a device name* and select **"Refresh"** from the pop-up menu.
3. In the Folders pane of **"My Bluetooth Places"**, right-click the server that will provide the Dial-up Networking Service and select Discover Available Services from the pop-up menu to update the available services list. The available services will be displayed in the right pane of **"My Bluetooth Places"**.



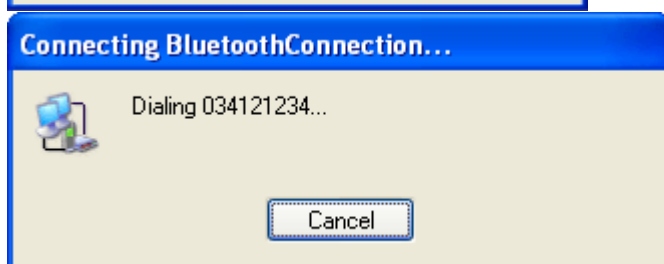
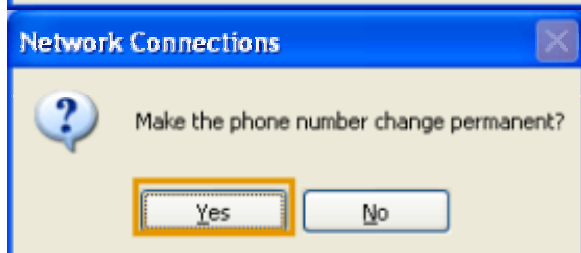
4. In the right pane of "My Bluetooth Places", double-click "Dial-up Networking".



5. In the "Connect To" dialog box, type in your user name, password, and the phone number to be dialed, and then click the "Dial" button.

6. Select the "Save password" checkbox and the dialog box will not appear for subsequent connections to the same phone number. You can now open a web browser and connect to the Internet.

Note: When using the GPRS Dial up function, you do not have to type in the user name or password.



To close a Dial-up Networking connection

1. On the client, in the Folders pane of **"My Bluetooth Places"**, select (highlight) the device that is providing the Dial-up Networking service.
2. In the right pane of **"My Bluetooth Places"**, right-click **"Dial-up Networking"** and then select **"Disconnect Dial-up Networking"** from the pop-up menu.

3.5. FAX setting

The Fax service allows a Bluetooth client to wirelessly send a fax using a device that is physically attached to a Bluetooth server.

FAX setting for Windows

To send a Fax

Connections are initiated from the client:

1. On the client, in the Folders pane of **"My Bluetooth Places"**, select **"Entire Bluetooth Neighborhood"**.
2. In the right pane of **"Entire Bluetooth Neighborhood"**, right-click anywhere except on a device name and select Refresh from the pop-up menu.
3. In the Folders pane of **"My Bluetooth Places"**, right-click the server that will provide the Fax service and select **"Discover Available Services"** from the pop-up menu to update the available services list. The available services will be displayed in the right pane of **"My Bluetooth Places"**.
4. In the right pane of **"My Bluetooth Places"**, double-click Fax. After the Fax connection is established, open or create the document to be faxed and use the **"Print"** or **"Send to Fax Recipient"** option available in most applications. The Fax connection closes automatically when the transmission is completed.

3.6. PIM Item Transfer setting

Overview

The Bluetooth PIM Item Transfer application allows this computer to send and receive Personal Information Manager items to-and-from a remote Bluetooth device. Item transfer can be accomplished several ways:

To send, receive or exchange business cards:

1. From Windows Explorer, My Bluetooth Places, right-click the PIM Item Transfer service on a remote device and select the appropriate option.

or In the Windows system tray, right-click the Bluetooth icon, select Quick Connect Business Card Exchange, select a device from the list, select the appropriate option from the shortcut menu, and then click OK.

2. From Windows Explorer, My Bluetooth Places, highlight the PIM Item Transfer service on a remote device, and then, from the Bluetooth menu on the Windows menu bar, select the appropriate action.

In addition to the business card options listed above, you can also send Notes (*.vnt), Email (*.vmg) and Calendar (*.vcs) items from this menu.

3. From within a supported Personal Information Manager, select one or more items and then, from the PIM's File menu, select Send to Bluetooth.

Whether sent items are accepted by the remote device is determined by how the remote device's PIM Item Transfer service is configured.

Close a PIM Item Transfer Connection

This application closes the open connection automatically when its task is complete.

Configure PIM Item Transfer

The Bluetooth Configuration Panel > Client Applications > PIM Item Transfer > General tab provides options to configure:

- Click the application name to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.
- How your business card is handled when it is requested by a remote device. The Send My Business Card options are:

Choose a business card as needed-each time a remote device requests your business card you must select a card from your PIM. If you ignore the request the remote device will receive a timeout notice.

Always send the same business card-when this option is selected a dialog appears that allows you to set a default business card, which will be sent automatically when requests are received.

Where to store received business cards. The Received Business Cards options are:

Microsoft Outlook

Outlook Express

Lotus Notes

NOTE: The selected Received Business Cards option does not influence the settings on other PIM-related property pages.

For example, even if the PIM Item Transfer *service* business card option on this computer is configured to "Do Not Accept", the PIM Item Transfer *application* will still accept business cards that the application has specifically requested via its "Receive" or "Exchange" functions.

Email attachments. The only option is include or do not include attachments with email that is sent or received on this computer using this service.

3.7. PIM Synchronization setting

Overview

The PIM Synchronization Application is used to synchronize the Personal Information Manager (PIM) database of this computer with the PIM database of a remote Bluetooth device.

The supported PIMs are:

- Microsoft Outlook
- Microsoft Outlook Express
- Lotus Notes.

The supported data types are:

- Business cards
- Calendar items
- Email (with or without attachments)
- Notes.

Configure PIM Synchronization

The Bluetooth Configuration Panel > Client Applications > PIM Synchronization > General tab provides options to configure:

- The application name- to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.
- The PIM items to be synchronized and the PIM on this computer with which those items should be synced.

NOTE: *If synchronization is enabled for a specific item type, but is not enabled for that item type on the remote device, synchronization WILL NOT take place for that item.*

The data item types which can be synchronized are:

- . Business cards
- . Calendar items
- . Email (with or without attachments-see below)

. Notes

Possible synchronization options for each of these data item types include:

Do Not Synchronize-this item type will not be synchronized

Synchronize Microsoft Outlook-this item type will be synced with its matching entry in Microsoft Outlook, regardless of the PIM that contains this entry on the remote device. If a matching Outlook entry does not exist, it will be created

Synchronize Outlook-Express-this item type will be synced with its matching entry in Express, regardless of the PIM that contains this entry on the remote device. If a matching Express entry does not exist, it will be created

Synchronize Lotus Notes-this item type will be synced with its matching entry in Lotus Notes, regardless of the PIM that contains this entry on the remote device. If a matching Notes entry does not exist, it will be created.

NOTE: All choices are not available for all items. For example, Notes items can only be synchronized in Microsoft Outlook, therefore Lotus Notes and Outlook Express do not appear as options in the "Notes" item shortcut menu.

Personal Information Managers that are not installed on this computer do not appear as options in the shortcut menus.

Email attachments. The only option is include or do not include attachments with email that is sent or received on this computer using this service.

3.8. Serial port setting

The Bluetooth Serial Port service allows two Bluetooth devices to establish a wireless connection through virtual communications ports and then use that connection as if it were a hardwired serial cable between the devices.

To establish a Bluetooth serial port connection:

Connections are initiated from the client:

1. On the client, in the Folders pane of **"My Bluetooth Places"**, select **"Entire Bluetooth Neighborhood"**.
2. In the right pane of **"Entire Bluetooth Neighborhood"**, right-click anywhere *except on a device name* and select **"Refresh"** from the pop-up menu.
3. In the Folders pane of **"My Bluetooth Places"**, right-click the server you want to establish a connection with and select **"Discover Available Services"** from the popup menu to update the available services list. The available services will be displayed in the right pane of **"My Bluetooth Places"**.
4. In the right pane of **"My Bluetooth Places"**, double-click **"Bluetooth Serial Port"**. A dialog box appears that contains the communications port number assigned to this connection by the client. The application that will use this connection must be configured to send data to this port.

Depending on the security configuration, the dialog box that provides communications port information may not appear until after Authentication and Authorization have been accomplished.

The application on the server must be configured to use the correct communications port.

To determine the communications port being used by the service:

- * On the server, in the Folders pane of **"My Bluetooth Places"**, right-click **"My Device"** and select **"Properties"** from the pop-up menu
- * In the **"Bluetooth Configuration Panel"**, select the **"Local Services"** tab.
- * Double-click the **"Bluetooth Serial Port"** service to display its **"Service Properties"** dialog box. The **"Service Properties"** dialog box shows the communications port the connection is using.

To close a Bluetooth serial port connection

Connections are normally closed from the client:

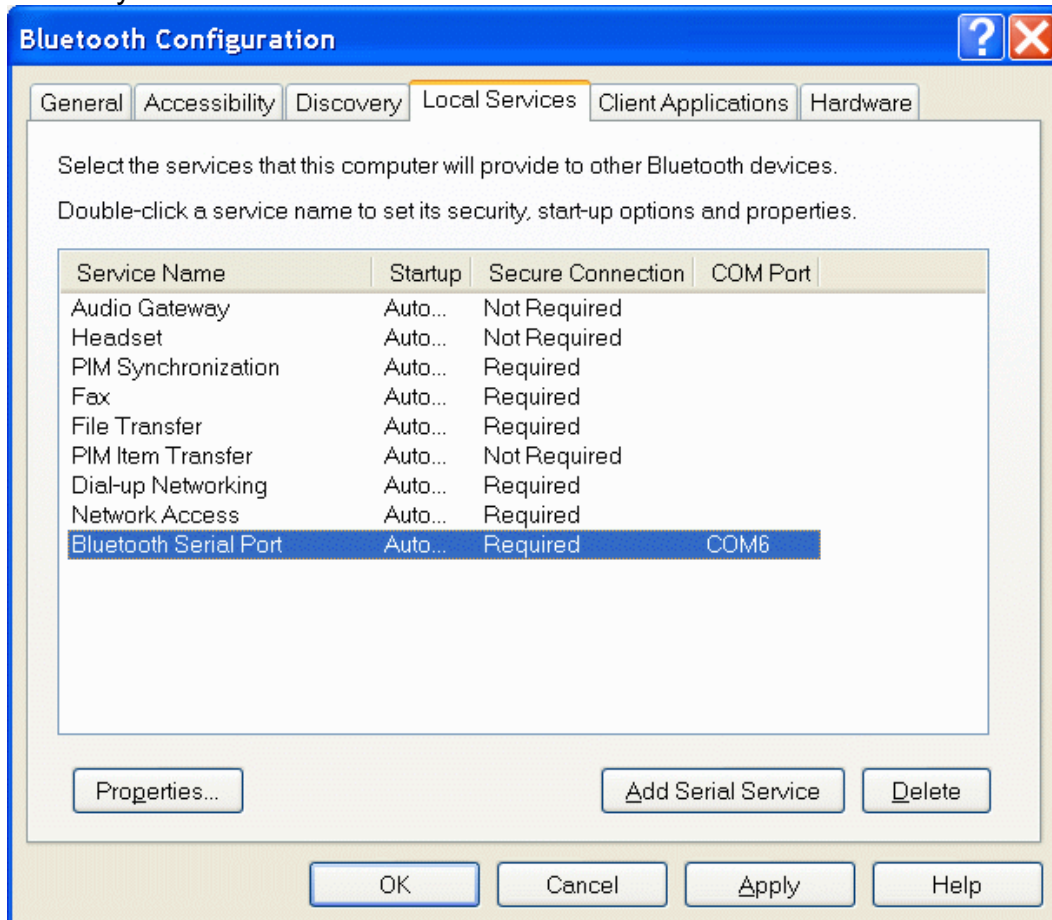
- * On the client, in the Folders pane of **"My Bluetooth Places"**, select (highlight) the device that is providing the **"Bluetooth Serial Port"** service.
- * In the right pane of **"My Bluetooth Places"**, right-click **"Bluetooth Serial Port"** and then select **"Disconnect Bluetooth Serial Port"** from the pop-up menu. Though not recommended, connections can also be closed from the server:
- * On the server, in the Folders pane of **"My Bluetooth Places"**, select (highlight) **"My Device"**.
- * In the right pane of **"My Bluetooth Places"**, right-click **"Bluetooth Serial Port"** and then select Stop to close the service. The service must be re-started before it will be available to remote devices (right-click Bluetooth Serial Port and select Start from the pop-up menu).

3.9. ActiveSync setting

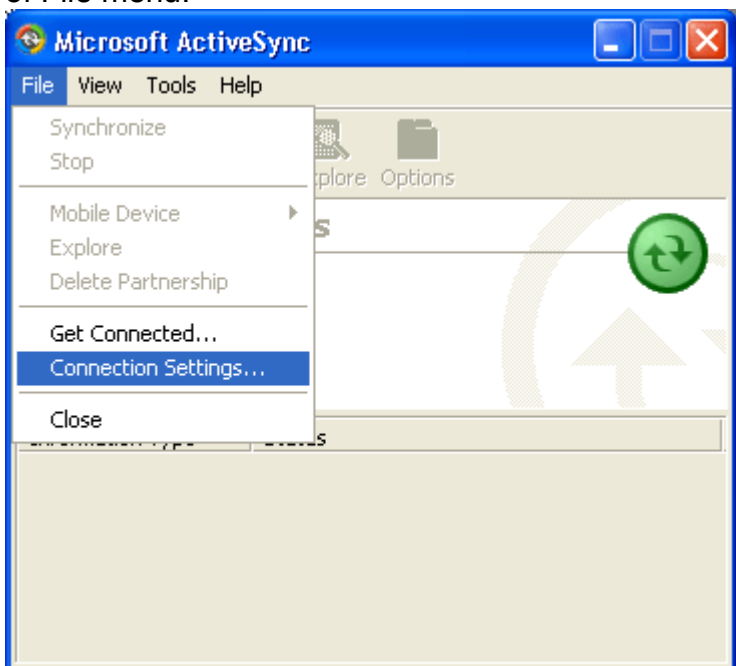
ActiveSync setting for Windows

1. Right-click on **Bluetooth Configuration** icon from the toolbar in the desktop window. Select **Setup** and then open **Configuration** window.

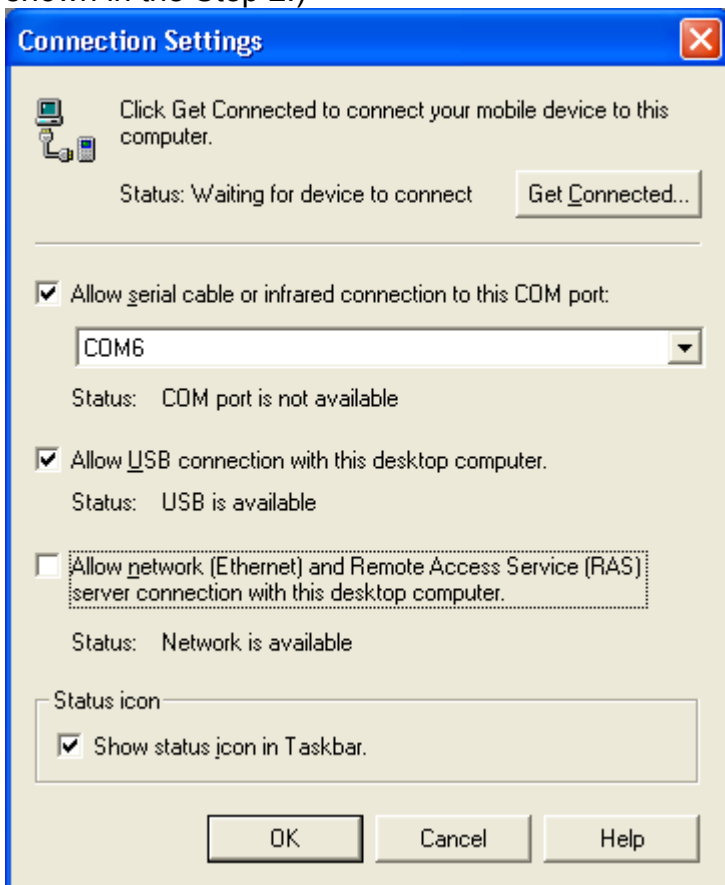
2. Select **Local Service** tab from the Bluetooth Configuration window. In the **Service Properties** window, please learn by heart the current COM port this computer uses, for example: COM 6, in order to identify this value with the configuration of Microsoft ActiveSync later.



3. In the *Microsoft ActiveSync* window, select **Connection Settings...** from drop-down list of File menu.



4. Choose the same COM port. (in this case, it is COM 6 that Bluetooth Serial port uses shown in the Step 2.)



5. Please refer to the PDA ActiveSync Setting to complete the Bluetooth ActiveSync Configuration Process

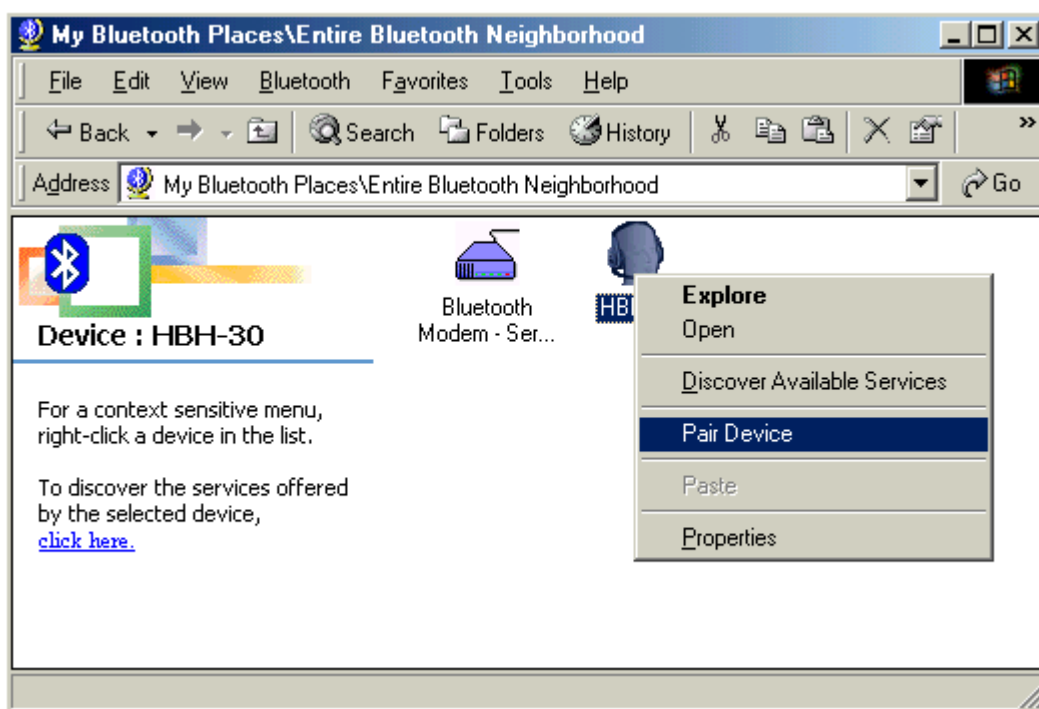
3.10. Audio Gateway setting for windows

The Audio Gateway Application allows a remote Bluetooth device to use this computer's microphone and speakers as the remote device's audio input and output devices.

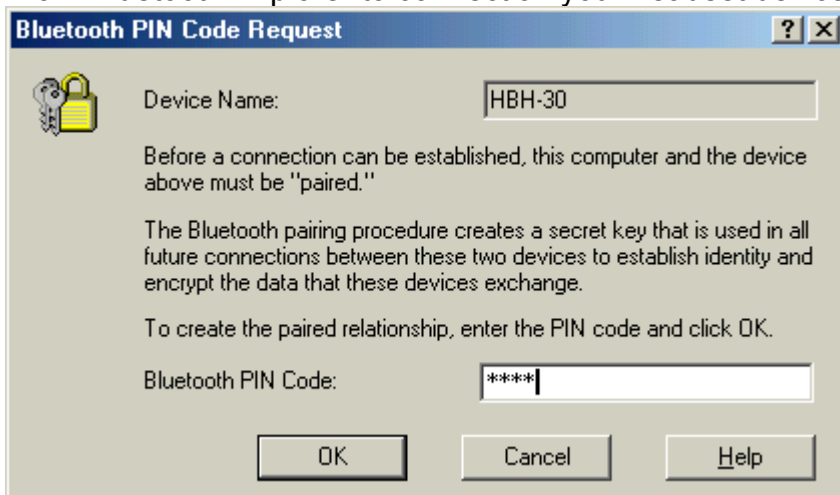


*Remember please switch your Audio device to "**Bluetooth Audio**" from control panel. Open a connection to the Audio Gateway service that is provided by another Bluetooth device using one of these techniques:

- Windows system tray, Bluetooth icon
- From Bluetooth Explorer
- Using the Bluetooth Setup Wizard



From Bluetooth Explorer to connection your headset device.



Key in headset pair key or PIN code. (Refer to the Headset's user's manual for reference)

Close an audio gateway connection:

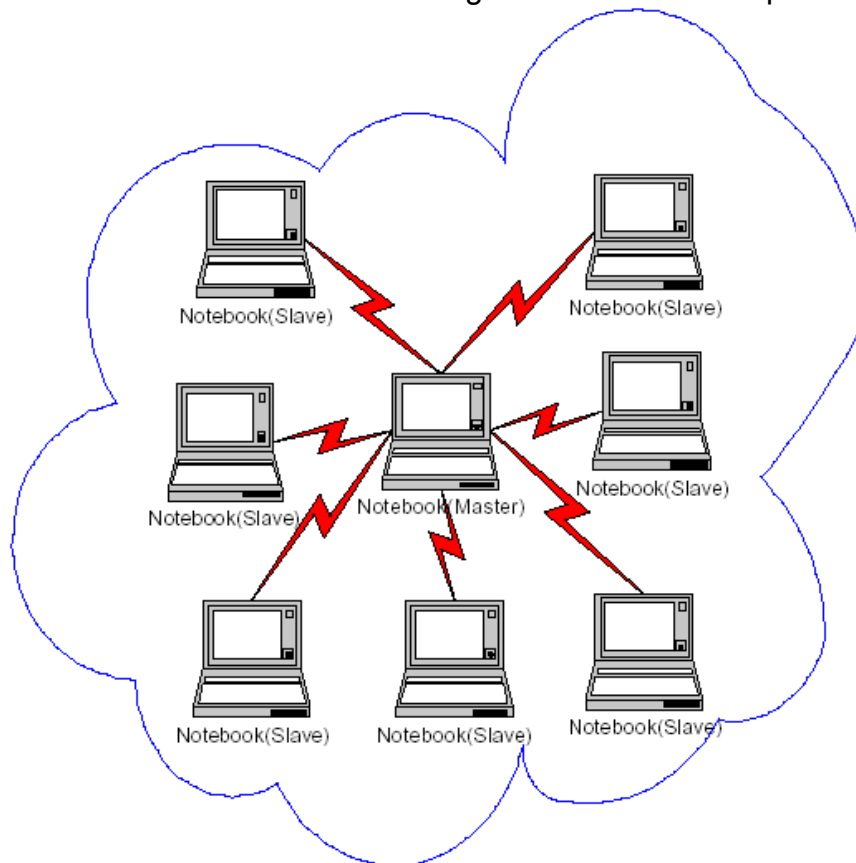
If the connection was established via the Bluetooth icon in the Windows system tray; click the Bluetooth icon, select Quick Connect, Audio Gateway and then select the device that is providing the service (active connections have a checkmark in front of them). Or No matter how the connection was created, In My Bluetooth Places, right-click the service name and select Disconnect.

Configure The Bluetooth Configuration Panel > Client Applications > Audio Gateway > General tab provides options to configure:

- The application name-- to change it, highlight the existing name and enter the new name.
- Enable or disable secure connection. To enable secure connection, place a checkmark in the box.

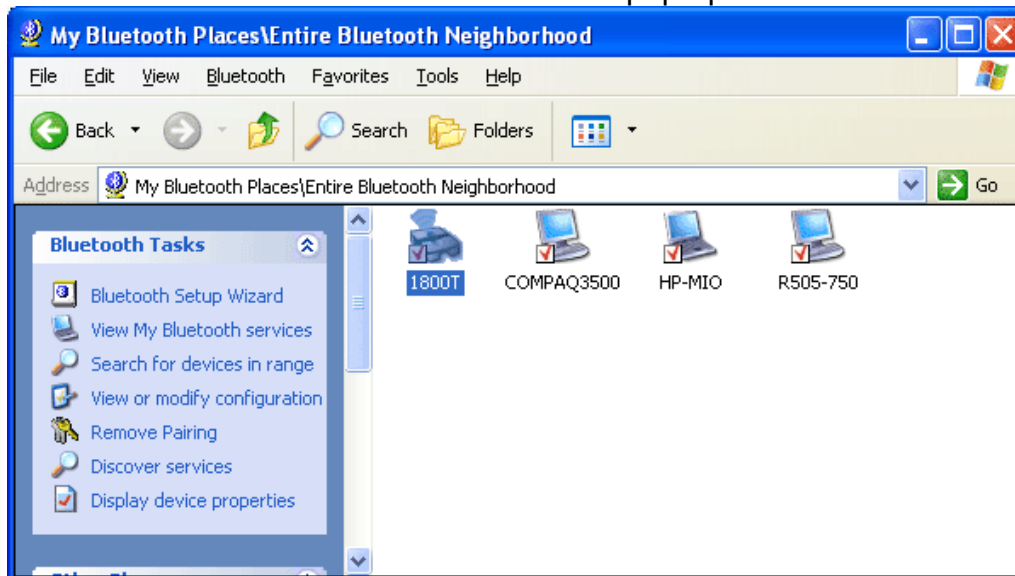
3.11. Personal area network setting for windows

The Personal Area Networking (PAN) chapter will show you how two or more Bluetooth enabled devices can form an ad-hoc network and how the same mechanism can be used to access a remote network through a network access point.

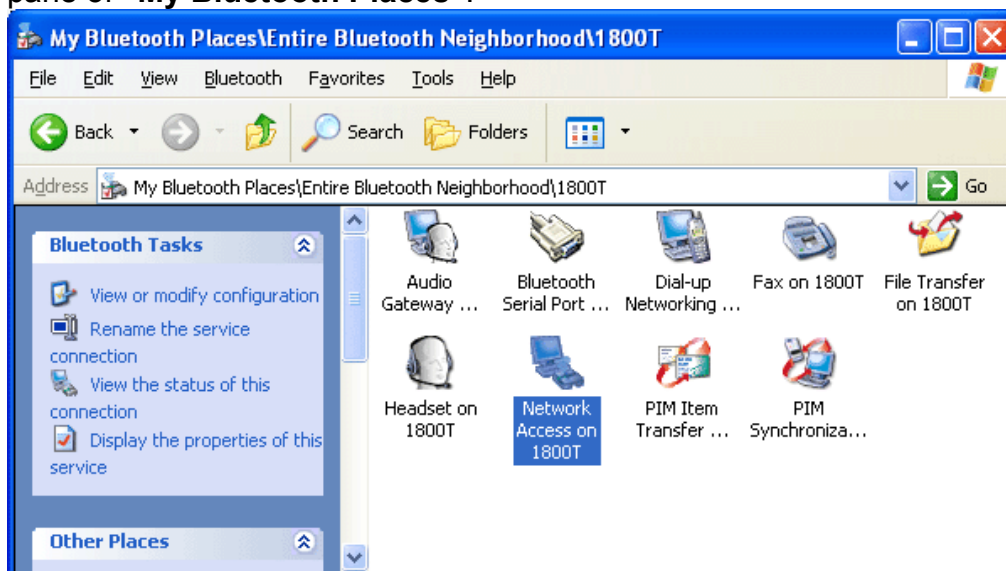


How to setup an Ad-hoc Network

1. On the client, in the Folders pane of **"My Bluetooth Places"**, select **"Entire Bluetooth Neighborhood"**.
2. In the right pane of **"Entire Bluetooth Neighborhood"**, right-click anywhere *except on a device name* and select Refresh from the pop-up menu.



3. In the right pane of **"My Bluetooth Places"**, right-click the server that will provide the Networking Access Service and select Discover Available Services from the pop-up menu to update the available services list. The available services will be displayed in the right pane of **"My Bluetooth Places"**.

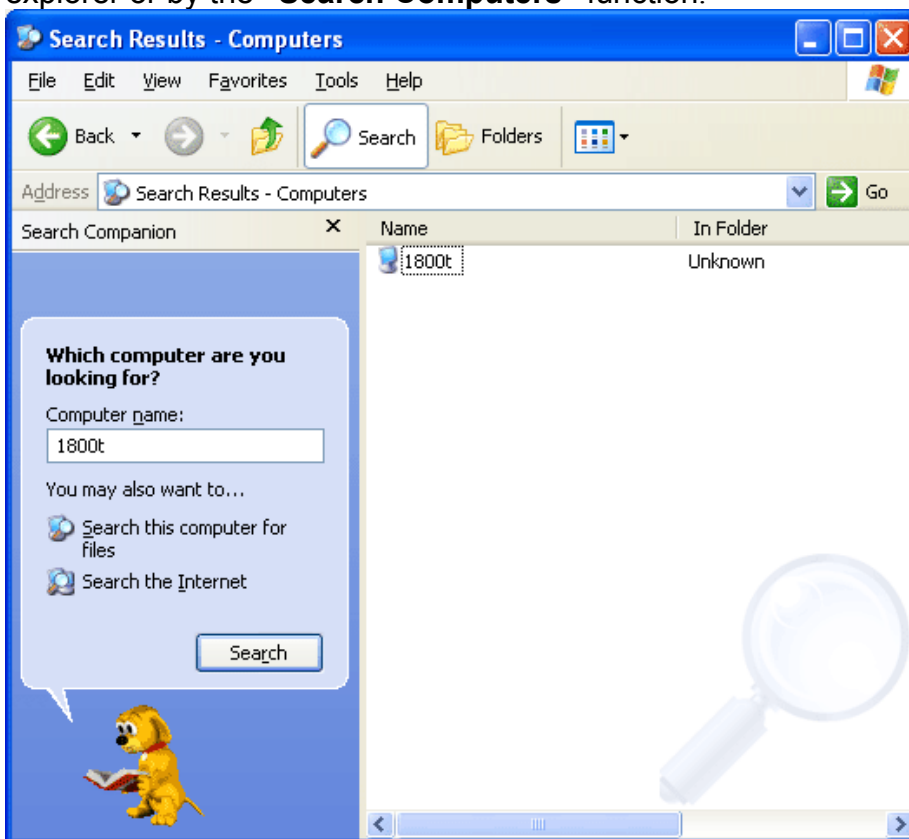


Double click Network Access to establish a PAN network.

If the system pops up a **"Bluetooth PIN Code Request"** window please key in the same passkey or PIN code between the two devices.

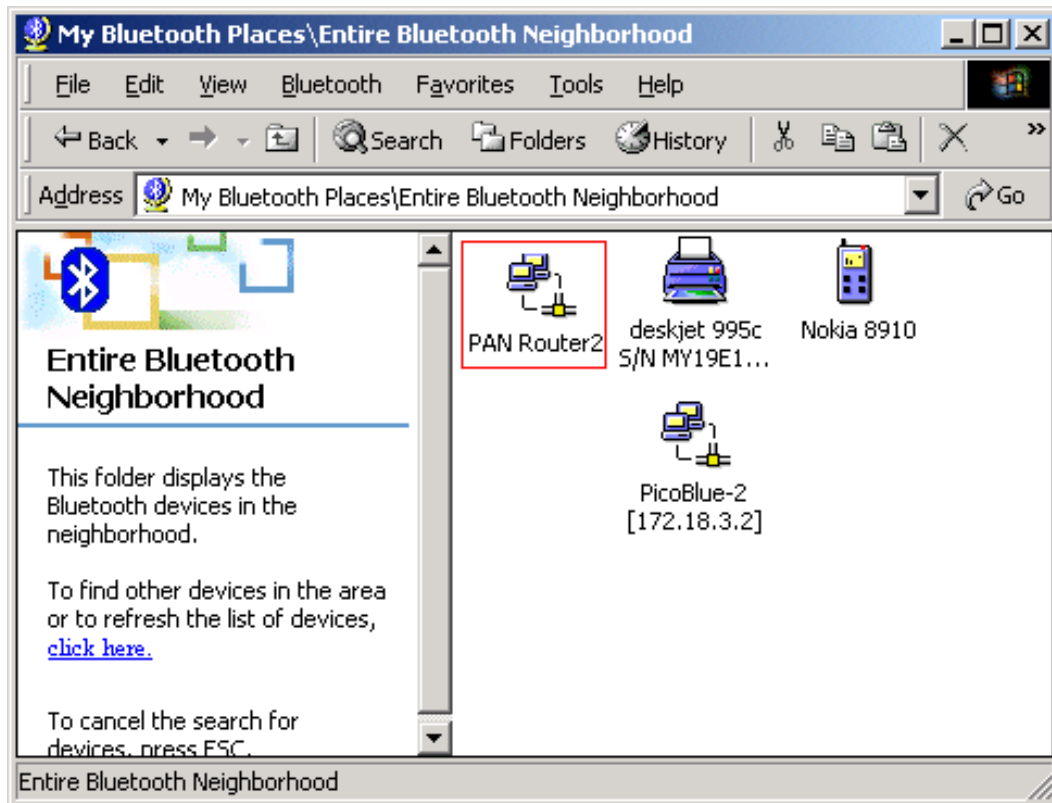


Once connected, you can check your Bluetooth PAN network neighborhood from the file explorer or by the **"Search Computers"** function.

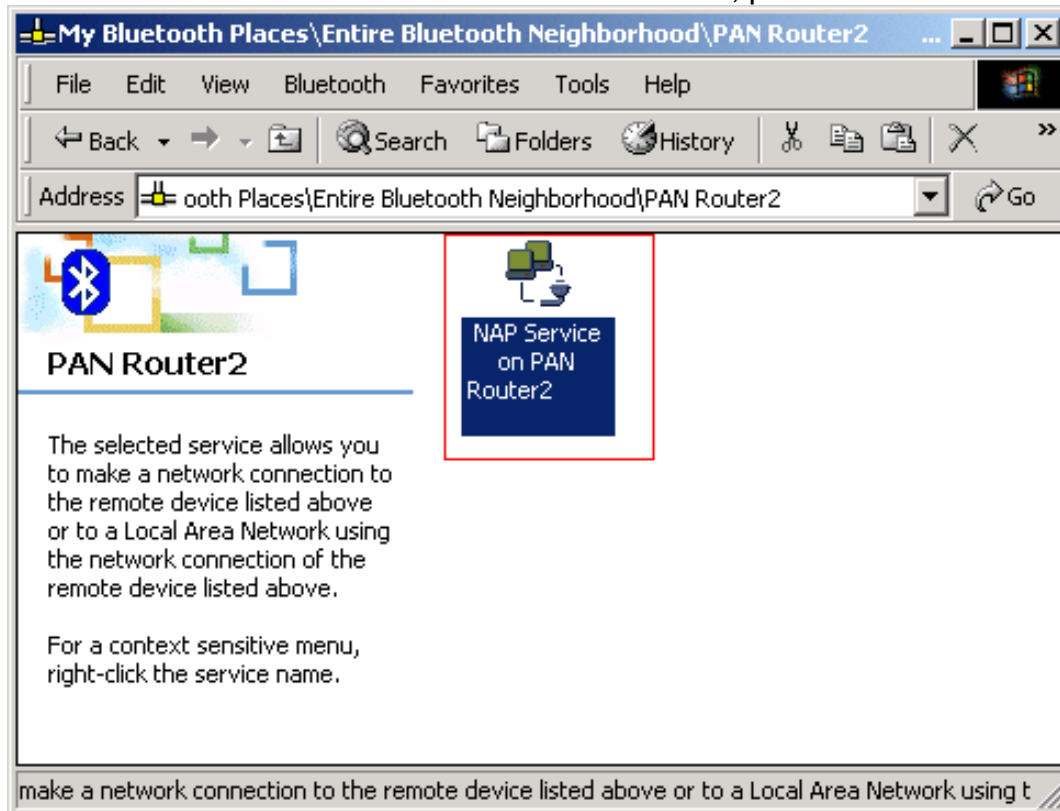


How to setup with Bluetooth Network Access Point

The Bluetooth Software makes it easy to join an existing personal network, hosted by another Bluetooth device (PocketPC, desktop, etc.) From the **My Bluetooth Places**, choose **Entire Bluetooth Neighborhood**, and select the Bluetooth device that you want to establish a PAN connection and double click the device icon.



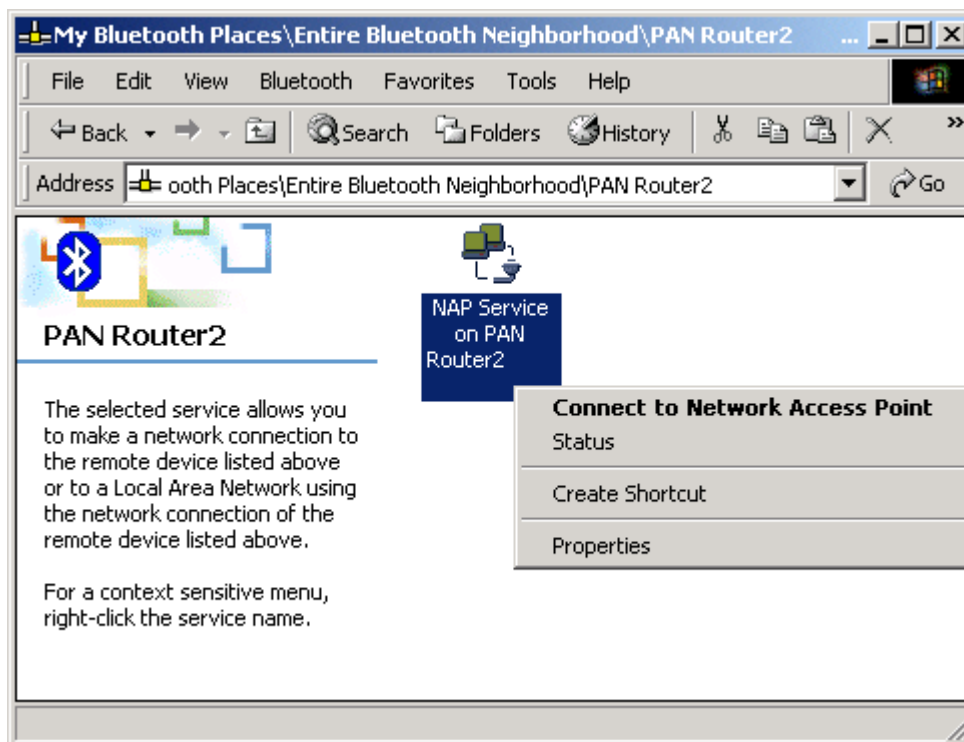
It will list out all the available services of this device, please select the NAP Service.



Right click the NAP Service and select "**Connect to Network Access Point**", your PC will get an IP address from the Network Access Point.

At this moment, you might be prompted to enter the IP network settings; if this is the case, choose "**Obtain an IP address automatically**" from your Bluetooth Network TCP/IP setting.

After selecting the host, a connection will then be established between your PC and the host over the personal network.



4

Chapter4

How to pair with my mobile phone?

How to pair with Nokia 6310

- (1). To activate Bluetooth on your Nokia 6310, press "Menu", select "Bluetooth" and "On".
- (2). From your notebook or PDA, begin a Bluetooth device search. A mobile phone icon will show up in the right pane of the Bluetooth software window with the name of your Nokia 6310.
- (3). Double click the mobile phone icon to discover the services it provides. You should see COM, Dial-up networking, Fax, or more, depending on the model of your Nokia mobile phone.
- (4). From your Nokia 6310, select "Search for Bluetooth accessories", the phone starts searching for devices and accessories.
- (5). Scroll to the device you want and press "Select".
- (6). If devices have not been paired, the user is asked to enter the passcode of the desired device. (The Nokia Bluetooth Passcode is a 1 to 16 character-long numeric code of your choice)
- (7). A Passkey dialog box will pop up on your notebook or PDA, type in the same passkey you've entered on your mobile to complete pairing.
- (8). If pairing was successful, a "Paired with ****" message box will pop up on your mobile phone. You should also see a tick on the side of the mobile phone icon in your notebook or PDA.
- (9). You are now able to use the services of your mobile phone.

How to pair with Nokia 8910

- (1). To activate Bluetooth on your Nokia 8910, press "Menu", select "Bluetooth" and "On".
 - (2). From your notebook or PDA, begin a Bluetooth device search for your Nokia 8910.
 - (3). A mobile phone icon will show up in the right pane of the Bluetooth software window with the name of your Nokia 8910.
 - (4). Double click the mobile phone icon to discover the services it provides. You should see COM, Dial-up networking, Fax, or more, depending on the model of your Nokia mobile phone.
 - (5). From your notebook or PDA, double click on the service you wish to use and it will trigger a dialog box "Connect with ***?" on your mobile phone. (where *** is the name of your notebook or PDA)
 - (6). Push the "Accept" button, and enter a passcode, e.g. 55 and push the OK button. (The Nokia Bluetooth Passcode is a 1 to 16 character-long numeric code of your choice)
 - (7). A Passkey dialog box will pop up on your notebook or PDA, type in the same passkey you've entered on your mobile.
 - (8). If pairing was successful, a "Paired with ****" message box will pop up on your mobile phone. You should also see a tick on the side of the mobile phone icon in your notebook or PDA.
 - (9). You are now able to use the services of your mobile phone.
- For further Bluetooth functions on your Nokia mobile phone, please refer to Nokia's User's Guide

How to pair with Ericsson T39m

- (1). On your mobile phone, push the "Menu" button, scroll to "Extras", "Yes", "Bluetooth", "Yes", "Discoverable", "Yes" to make your Ericsson mobile phone detectable by other Bluetooth devices.
 - (2). "Discoverable for 3 minutes" message box will pop up.
 - (3). From your notebook or PDA, begin a Bluetooth device search for your Ericsson T39.
 - (4). A mobile phone icon will show up in the right pane of the Bluetooth software window with the name of your Ericsson T39.
 - (5). Double click the mobile phone to discover the services it provides. You should see Serial Port, Dial-up Networking, Fax, and more, depending on the model of your mobile phone.
 - (6). From your mobile phone, scroll to "Extras", "Yes", "Bluetooth", "Yes", "Discover", "Yes". A list of discovered devices appears.
 - (7). You can now choose the Bluetooth device you wish to connect to, then select "Add to paired", the mobile phone will prompt you for a "Passkey". Type in a passkey, e.g. 55 and push "Yes".
 - (8). A Passkey dialog box will pop up on your notebook or PDA, type in the same passkey you've entered on your mobile. A "Pairing Succeeded" message box will pop up.
 - (9). On your mobile phone, enter a name for your notebook or PDA, or push the Yes button to accept the default Name tag.
 - (10). If the pairing process is successful, you should see a tick on the side of the mobile phone icon on your notebook or PDA.
 - (11). You should now be able to use the services of your mobile phone.
- For further Bluetooth functions on your Ericsson mobile phone, please refer to Ericsson's User's Guide

How to pair with Ericsson T68

- (1). On your mobile phone, scroll to "Connect", "Yes", "Bluetooth", "Yes", "Discoverable", "Yes" to make your Ericsson mobile phone detectable by other Bluetooth devices.
 - (2). "Discoverable for 3 minutes" message box will pop up.
 - (3). From your notebook or PDA, begin a Bluetooth device search for your Ericsson T68.
 - (4). A mobile phone icon will show up in the right pane of the Bluetooth software window with the name of your Ericsson T68.
 - (5). Double click the mobile phone to discover the services it provides. You should see Serial Port, Dial-up Networking, Fax, and more, depending on the model of your mobile phone.
 - (6). From your mobile phone, scroll to "Connect", "Yes", "Bluetooth", "Yes", "Discover", "Yes". A list of discovered devices appears.
 - (7). You can now choose the Bluetooth device you wish to connect to, then select "Add to paired", the mobile phone will prompt you for a "Passkey". Type in a passkey, e.g. 55 and push "Yes".
 - (8). A Passkey dialog box will pop up on your notebook or PDA, type in the same passkey you've entered on your mobile. A "Pairing Succeeded" message box will pop up.
 - (9). On your mobile phone, enter a name for your notebook or PDA, or push the Yes button to accept the default Name tag.
 - (10). If the pairing process is successful, you should see a tick on the side of the mobile phone icon on your notebook or PDA.
 - (11). You should now be able to use the services of your mobile phone.
- For further Bluetooth functions on your Ericsson mobile phone, please refer to Ericsson's User's Guide

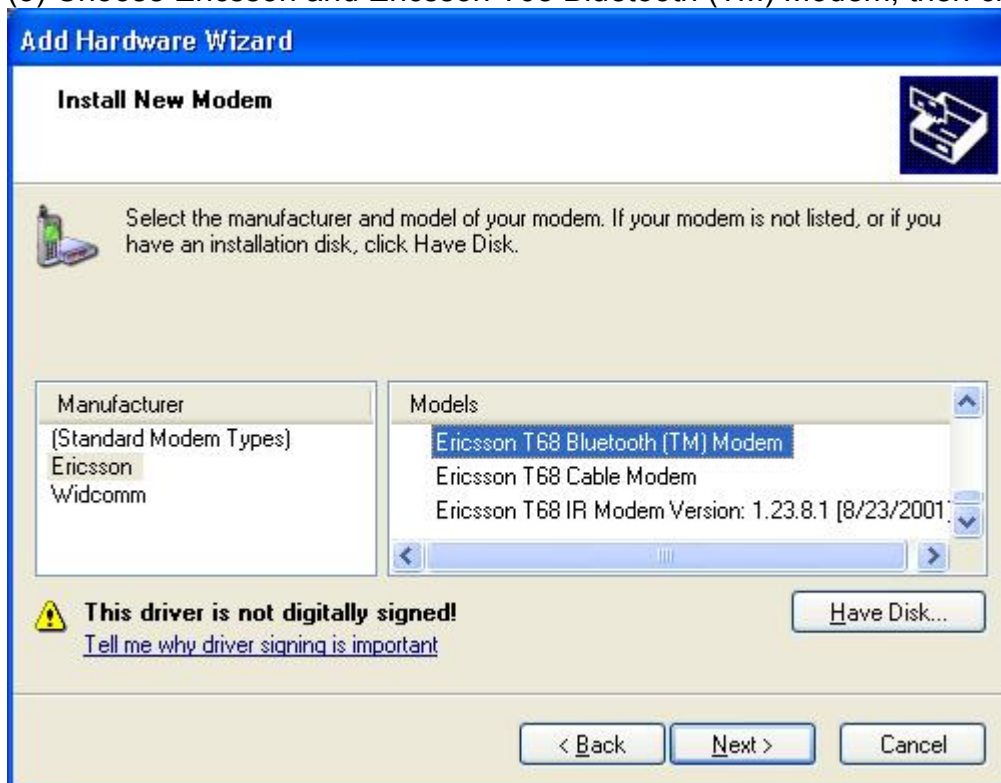
How to sync with Ericsson T68 via XTNDConnectPC

(A) Assign COM port

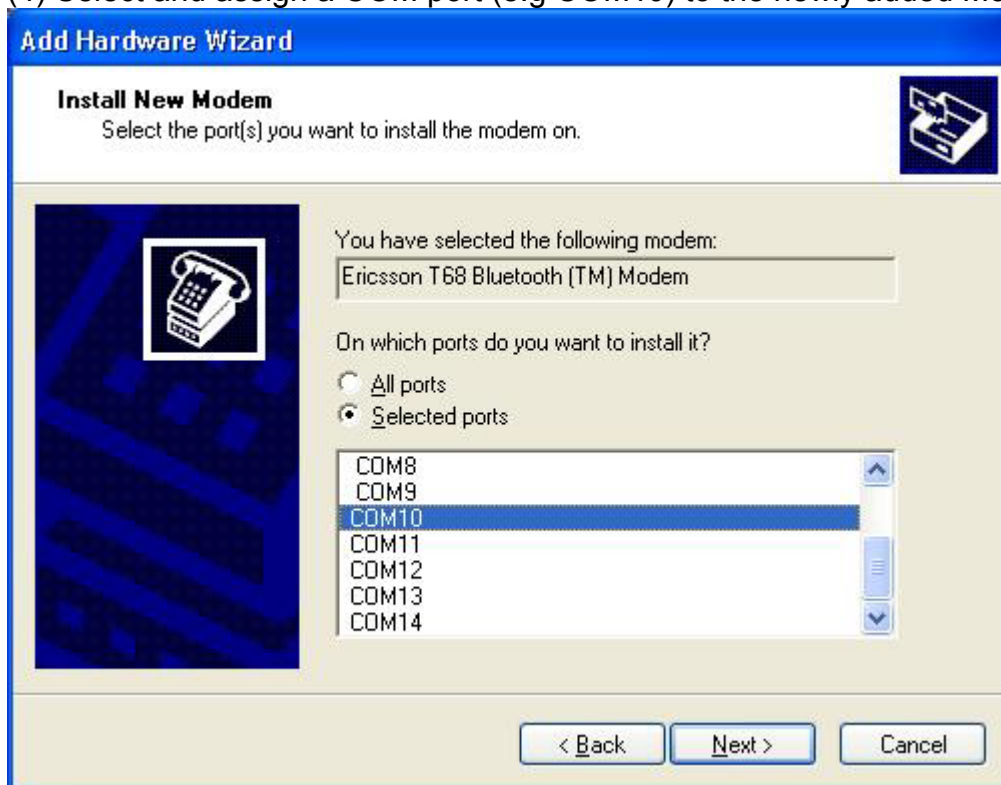
(1) After you have installed Microsoft Outlook and XTNDConnectPC_R2A04_English, you would need to install a new modem to communicate with your mobile phone.

(2) Go into Start->Settings->Control Panel->Phone and Modem Options, under "Modems" tab, click on "Add", tick the "Do not detect my modem, I will choose from list" and click "Next".

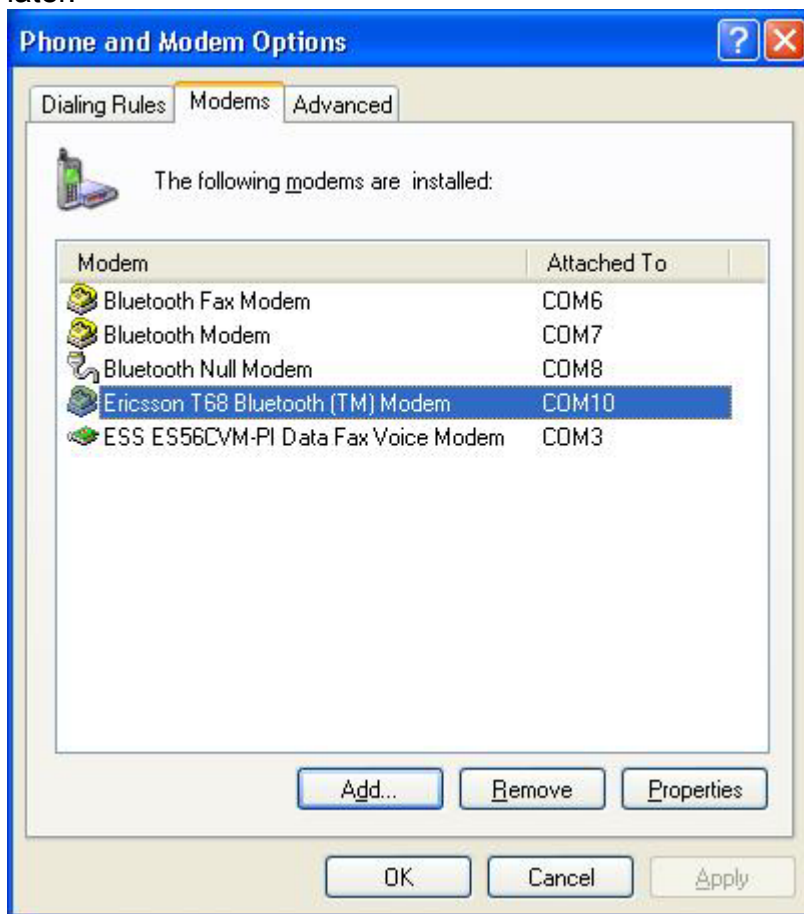
(3) Choose Ericsson and Ericsson T68 Bluetooth (TM) Modem, then click "Next".



(4) Select and assign a COM port (e.g COM10) to the newly added Modem. Click "Next".

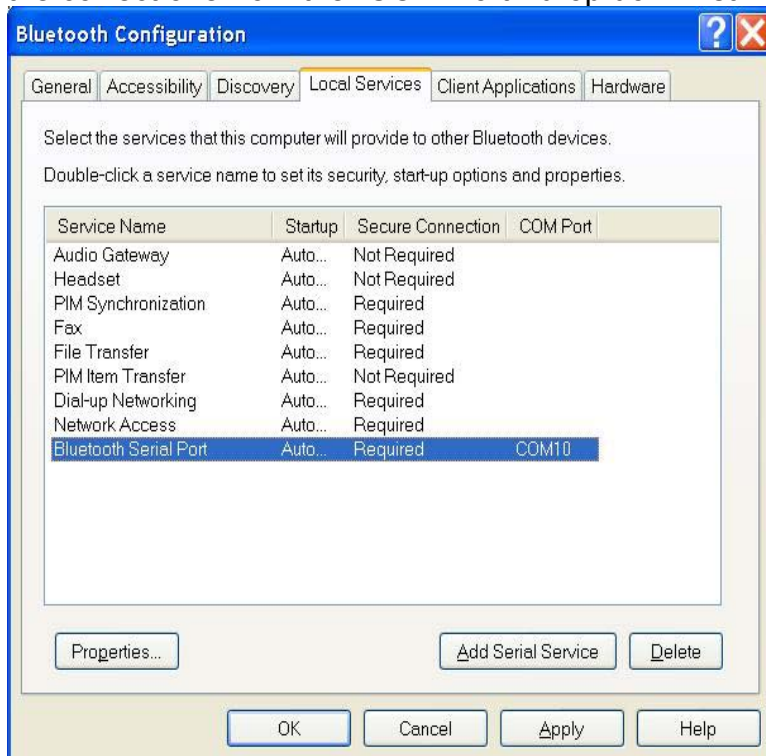


(5) Click "OK" to finish the set up process. Remember the port number as you will need it later.



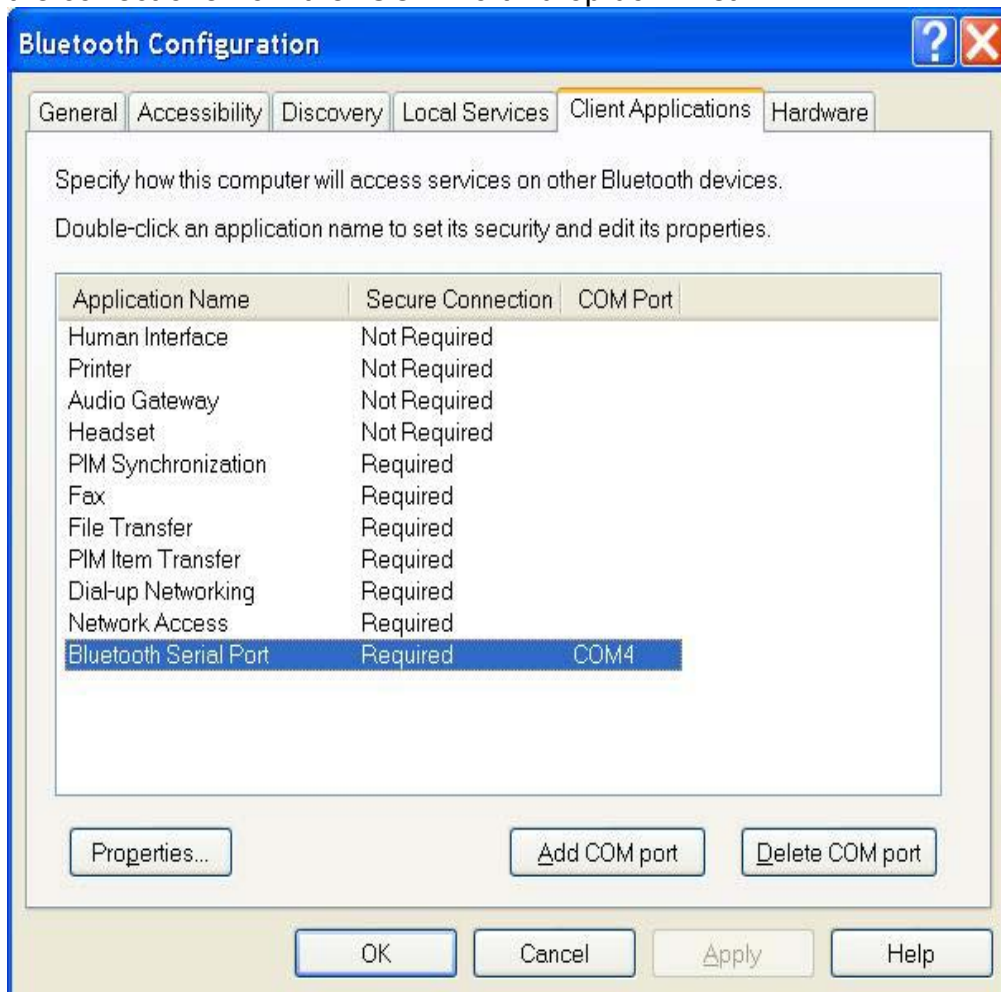
(B) Configure Bluetooth software

- (1) Check the COM ports used by the Bluetooth software are correct.
- (2) Go to Start->Settings->Control Panel->Bluetooth Configuration, on the "Local Services" tab, the COM port should be the one you have just assigned to your Ericsson phone (e.g. COM10).
- (3) To change the assigned COM port, double click the "Bluetooth Serial Port" and choose the correct one from the "COM Port:" drop down list.



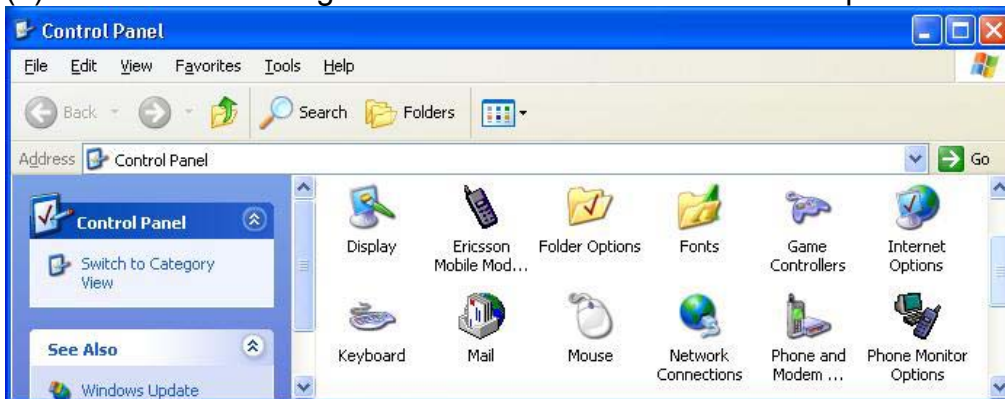
- (4) Check the COM port used by "Bluetooth Serial Port" in the "Client Applications" tab (e.g. COM4), remember this COM port too.

(5) To change the assigned COM port, double click the "Bluetooth Serial Port" and choose the correct one from the "COM Port:" drop down list.

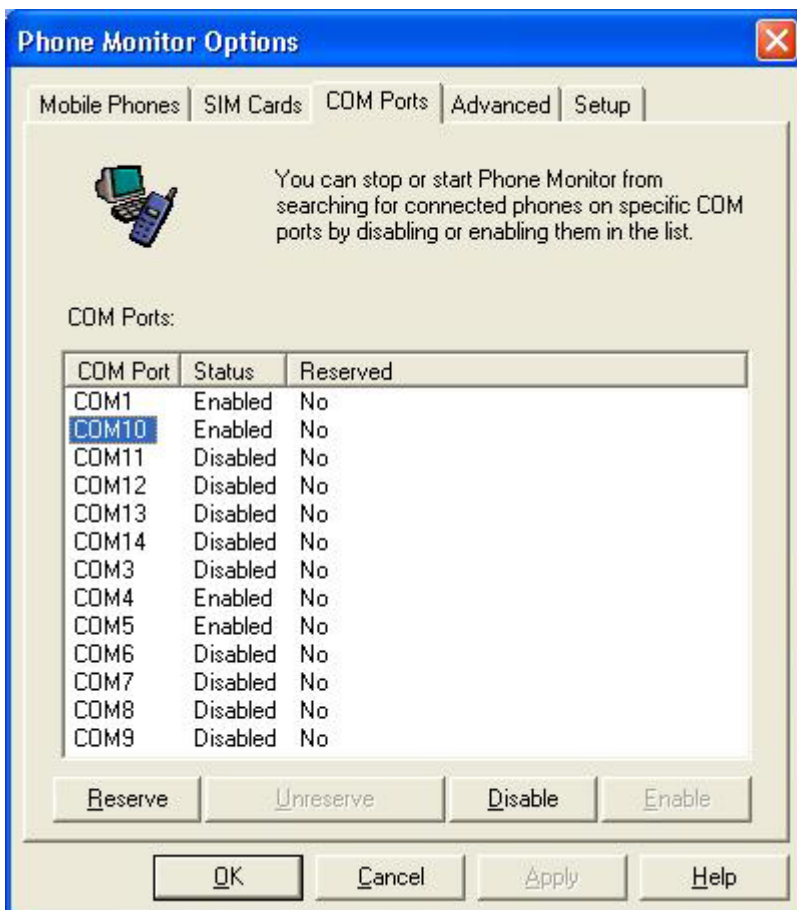


(C) Configure Ericsson's Phone Monitor

(1) Go to Start->Settings->Control Panel->Phone Monitor Options.

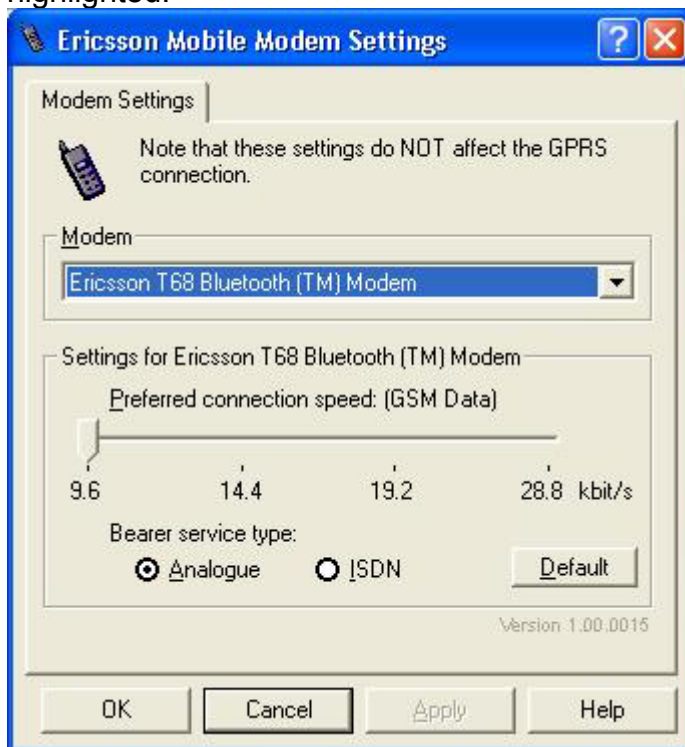


(2) Enable the COM port you have just assigned the Ericsson Bluetooth Modem (e.g. COM10). This COM port is the one that you want to use to communicate with your phone. Make sure the COM port used by "Bluetooth Serial Port" in the "Client Applications" tab (e.g. COM4) is enabled as well. Click "OK" when finished.



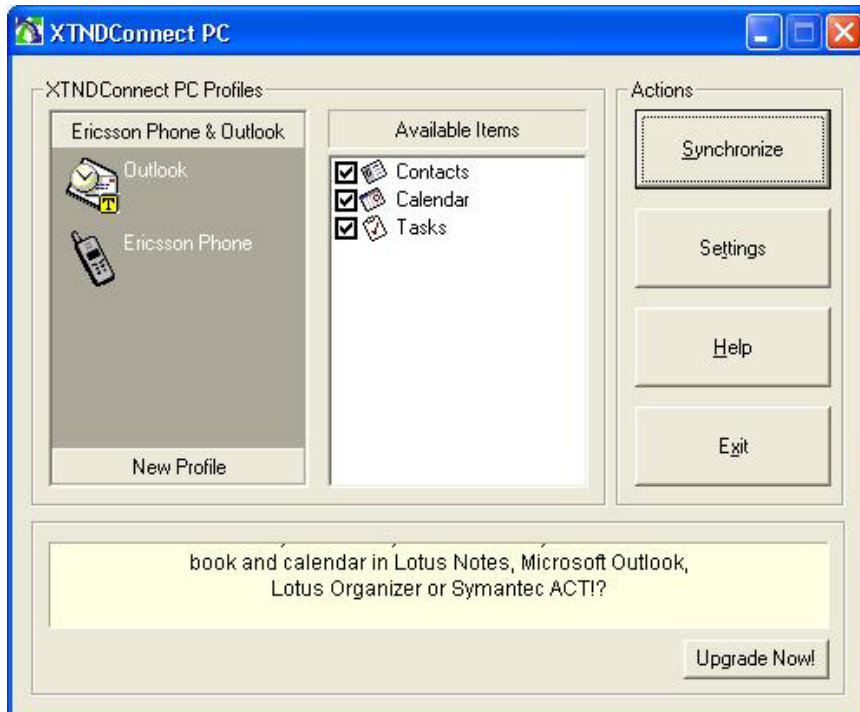
(D) Configure Ericsson's Mobile Modem Settings

(1) Go to "Start->Settings->Control Panel->Ericsson Mobile Modem Settings", "Modem Settings" tab and make sure the "Modem" dropdown list has the correct modem highlighted.

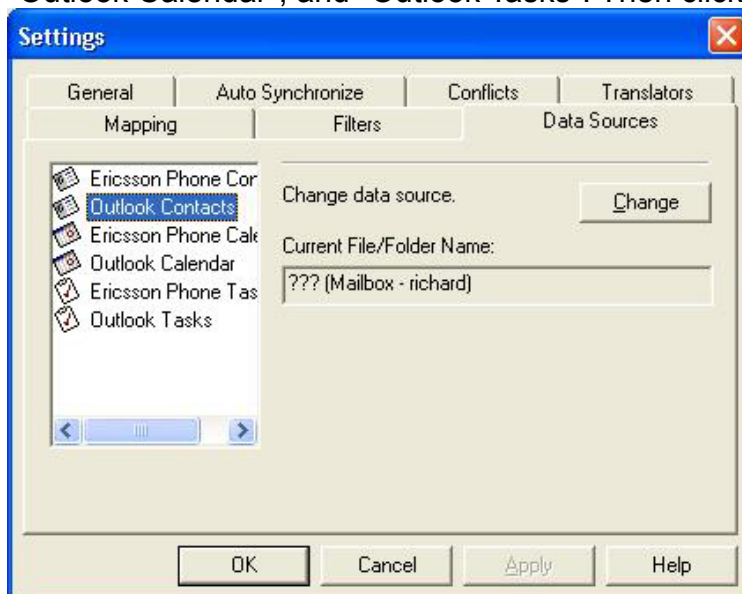


(E) Configure Ericsson's XTNDConnectPC

(1) Go to Start->Programs->XTNDConnectPC->Synchronize Ericsson Phone with Outlook.



(2) Click on "Settings", "Data Sources" tab and assign data sources to "Outlook Contacts", "Outlook Calendar", and "Outlook Tasks". Then click "OK".



(3) With all the set up completed, reboot your system, the Phone Monitor should prompt you to enter some more information.



(4) Just follow the Wizard and when the set up process is completed, you should be able to synchronize your Ericsson T68 with your system.



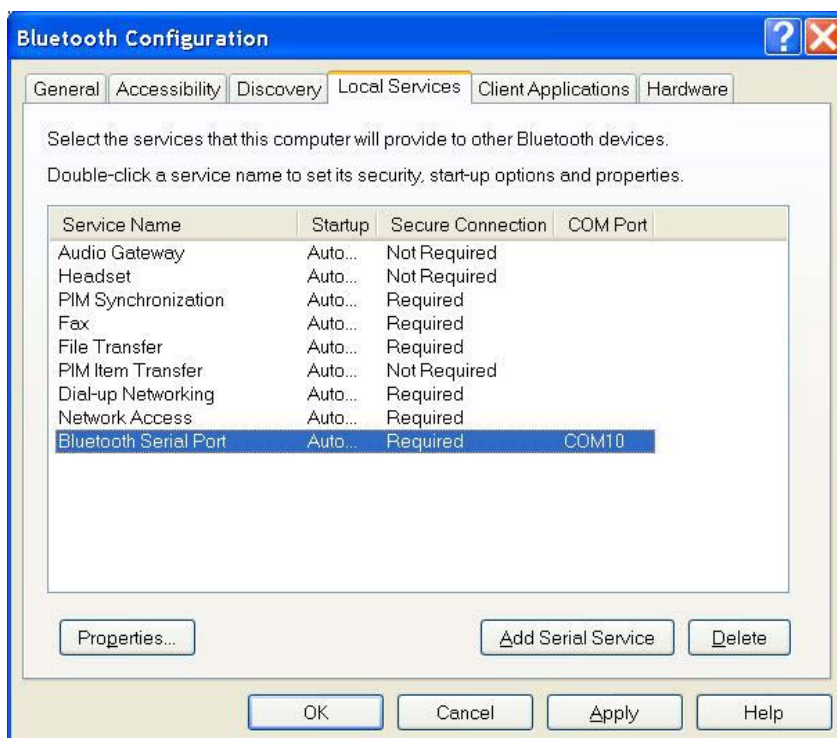


How to sync with Nokia 7650 via Nokia PC Suite for 7650

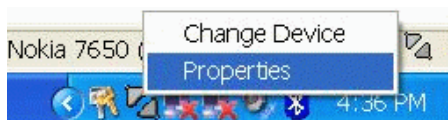
Note: Please make sure you are using Nokia PC Suite for 7650 and not other versions of PC Suite. You can download the program from www.nokia.com/cda1/0,1080,2015,00.html

(1) Install Nokia PC Suite for 7650.

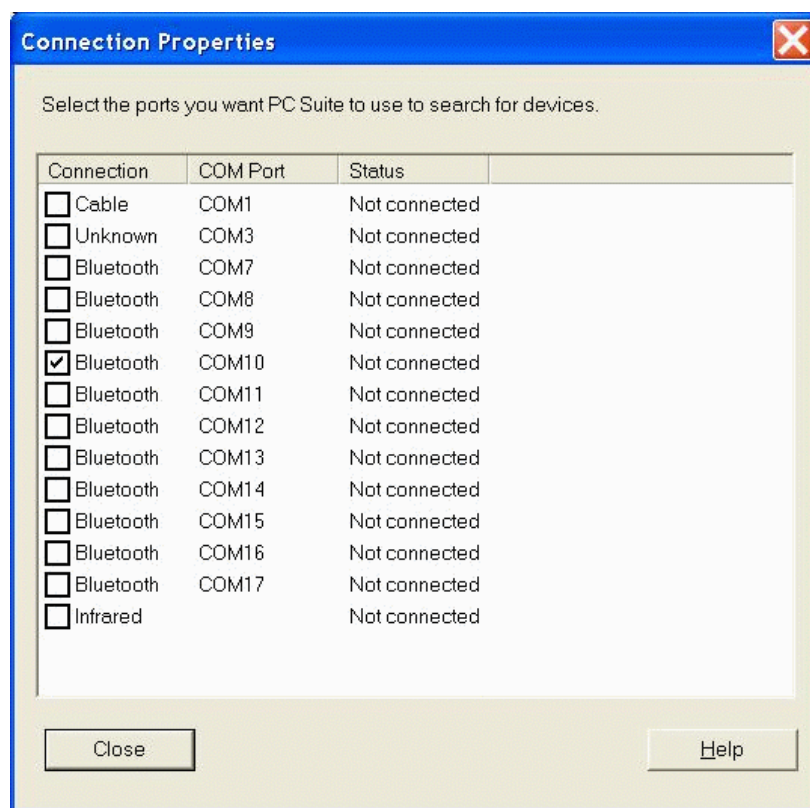
(2) Start up Bluetooth software, note the COM port used by your system (check the "Bluetooth Serial Port" under "Local Services" tab in "Bluetooth Configuration, e.g. COM10).



(3) Right click mRouter on the task bar and select Properties.



(4) Tick the COM port from step (2) then click "Close". If you are still unsure of which one to select, just tick every Bluetooth COM ports first.



(5) Launch "PC Suite for Nokia 7650" from Start->Programs->PC Suite for Nokia 7650->PC Suite for Nokia 7650.

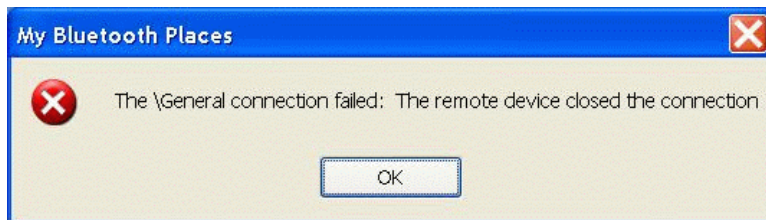
(6) Switch to the Bluetooth software, double click the "Bluetooth Serial Port On Nokia 7650" icon to establish serial connection with 7650.

(7) Key in the same passkey on both of your system and Nokia 7650 to complete the pairing process.

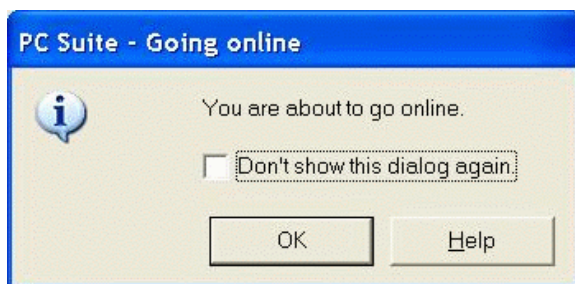
(8) Click "OK" when the following dialog box appears.



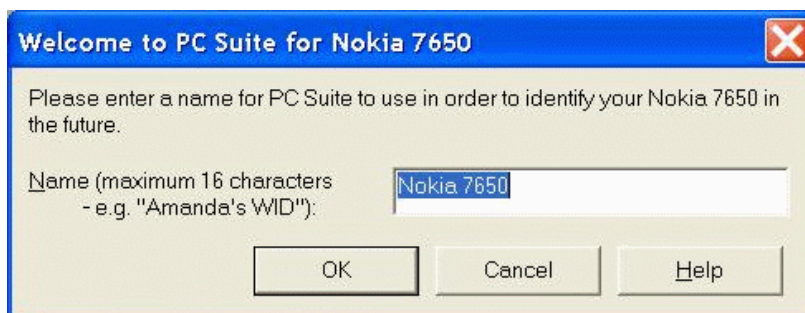
(9) Ignore the error message below and click "OK".



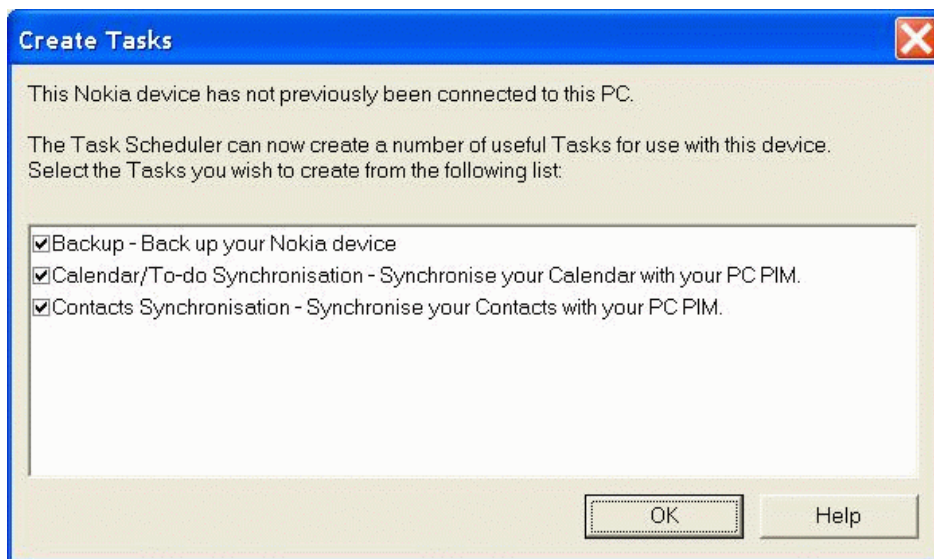
(10) "PC Suite for Nokia 7650" will now take over. Click "OK" when the dialog box below appears.



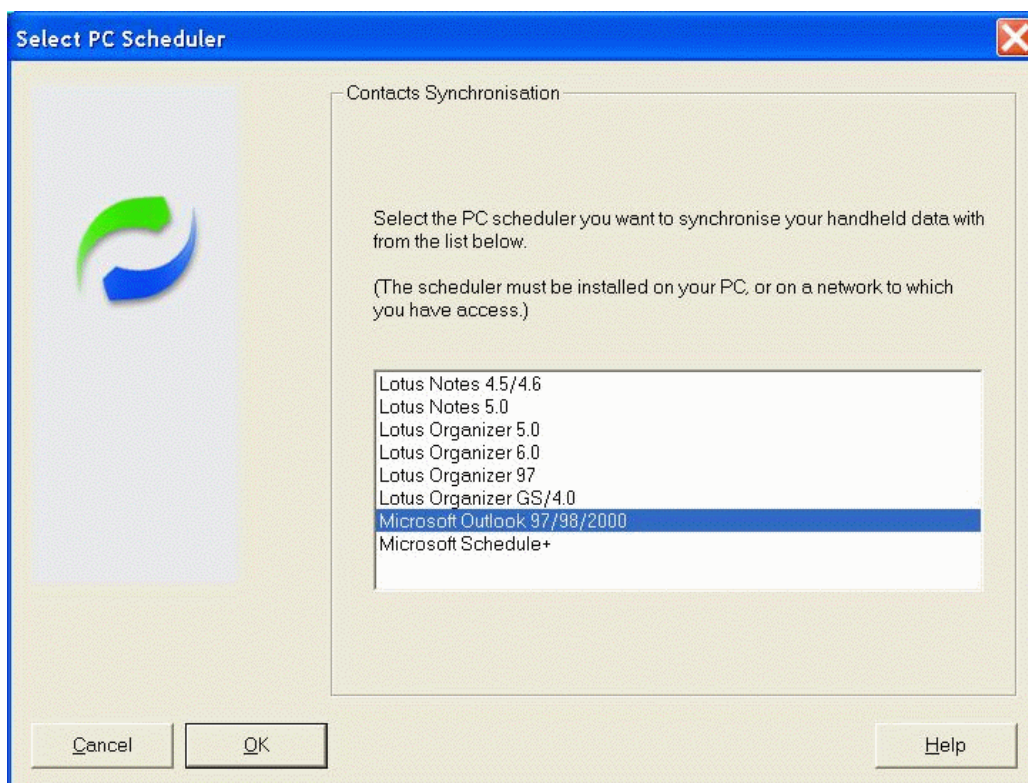
(11) Click "OK" when the dialog box below appears.



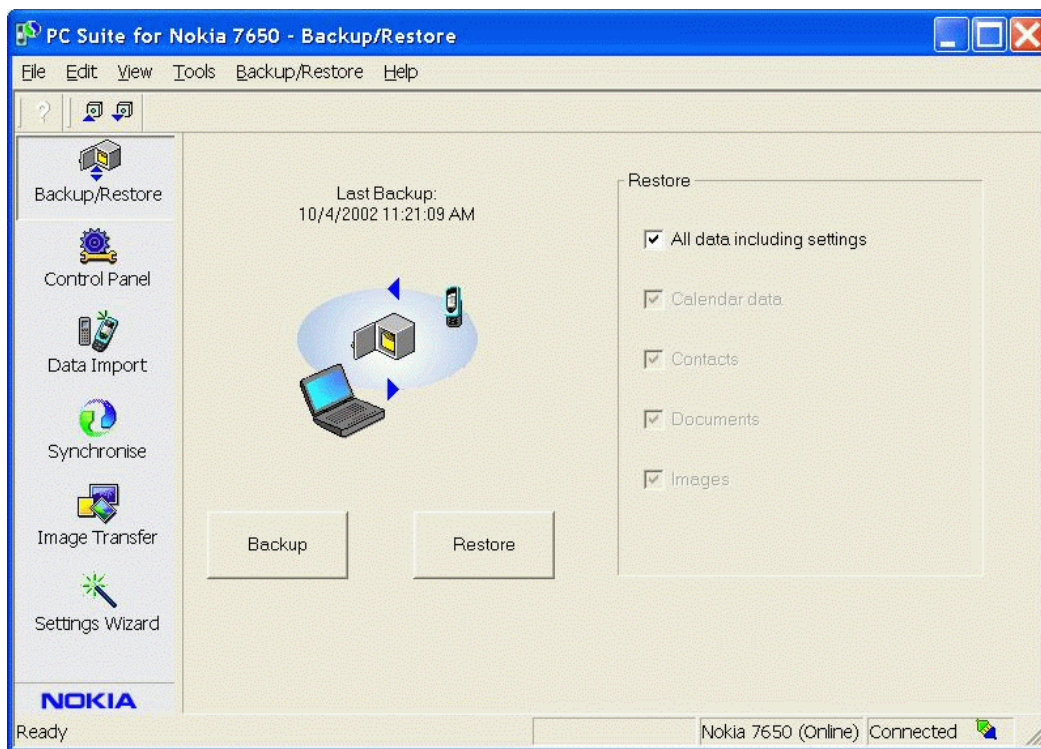
(12) Select the functions you wish to use with Nokia PC Suite.



(13) Select the program you wish to Synchronize with your system, in our case we use Microsoft Outlook 2000.

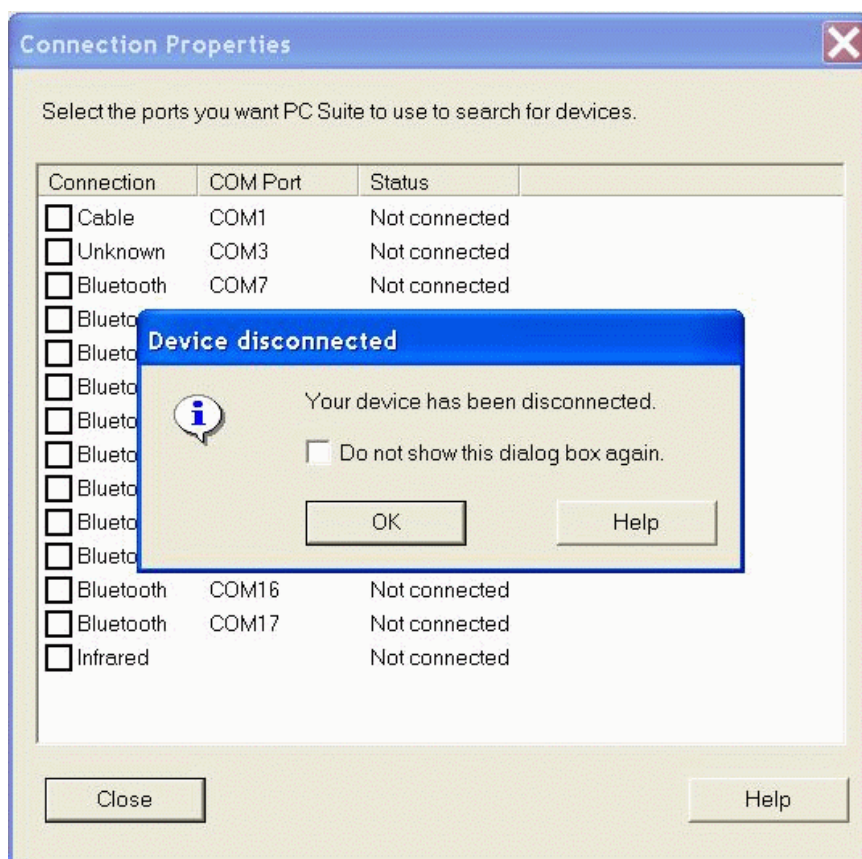


(14) Once connected, you should see the Connected icon on the right bottom corner.



(15) Now you are ready to configure, Synchronize your Nokia 7650 with your system.

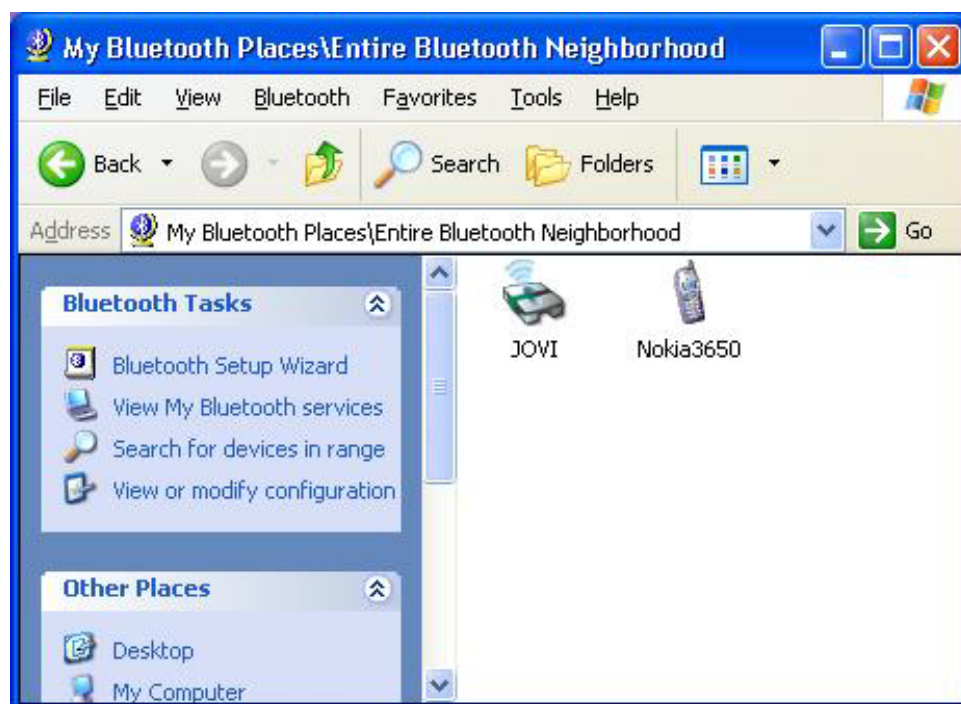
(16) To disconnect, uncheck the COM port in "**Connection Properties**".



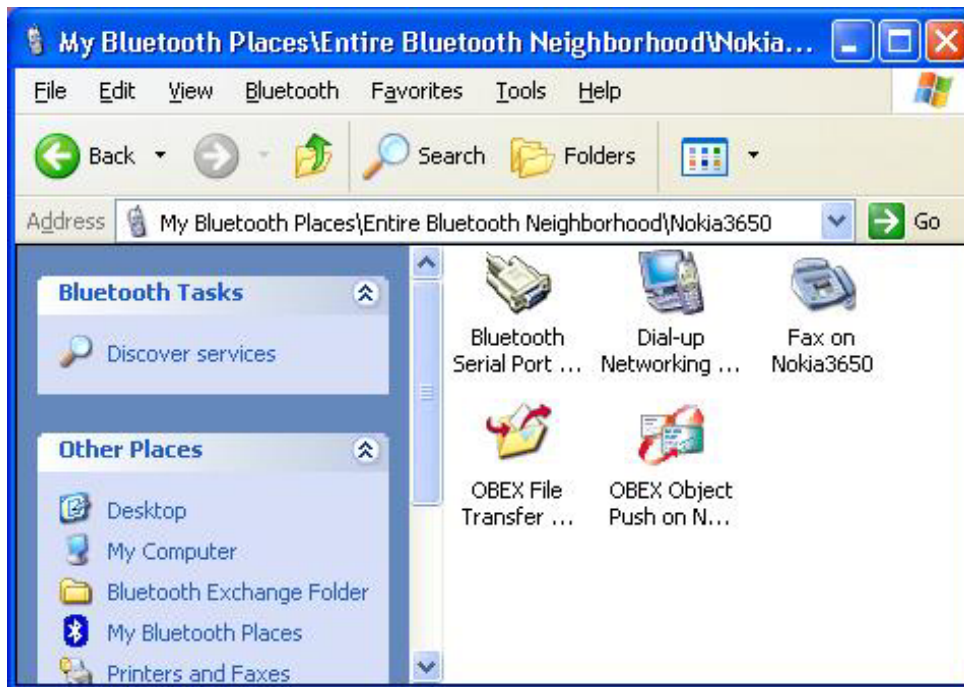
How to establish Bluetooth connection with Nokia PC Suite for Nokia 3650

Please install Bluetooth software and Nokia PC Suite for Nokia 3650 before proceeding.

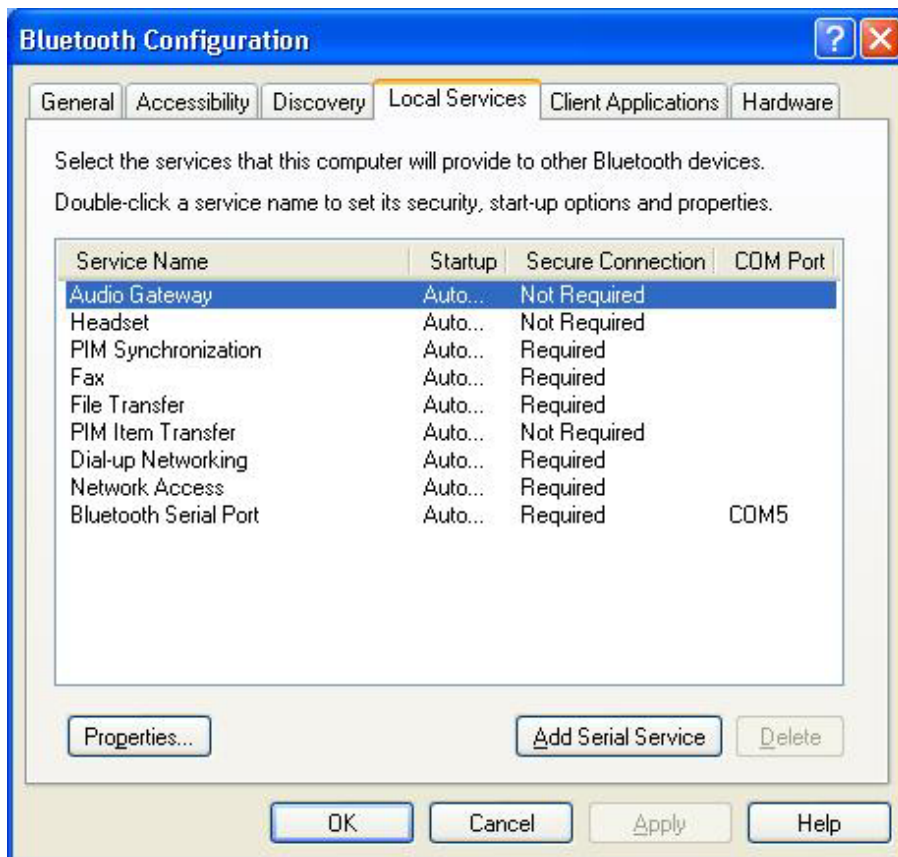
(1) Launch Bluetooth software program, click "Search for devices in range" in the left pane of "My Bluetooth Places" to find your Nokia 3650.



(2) Double click your Nokia 3650 to find the services it provides.



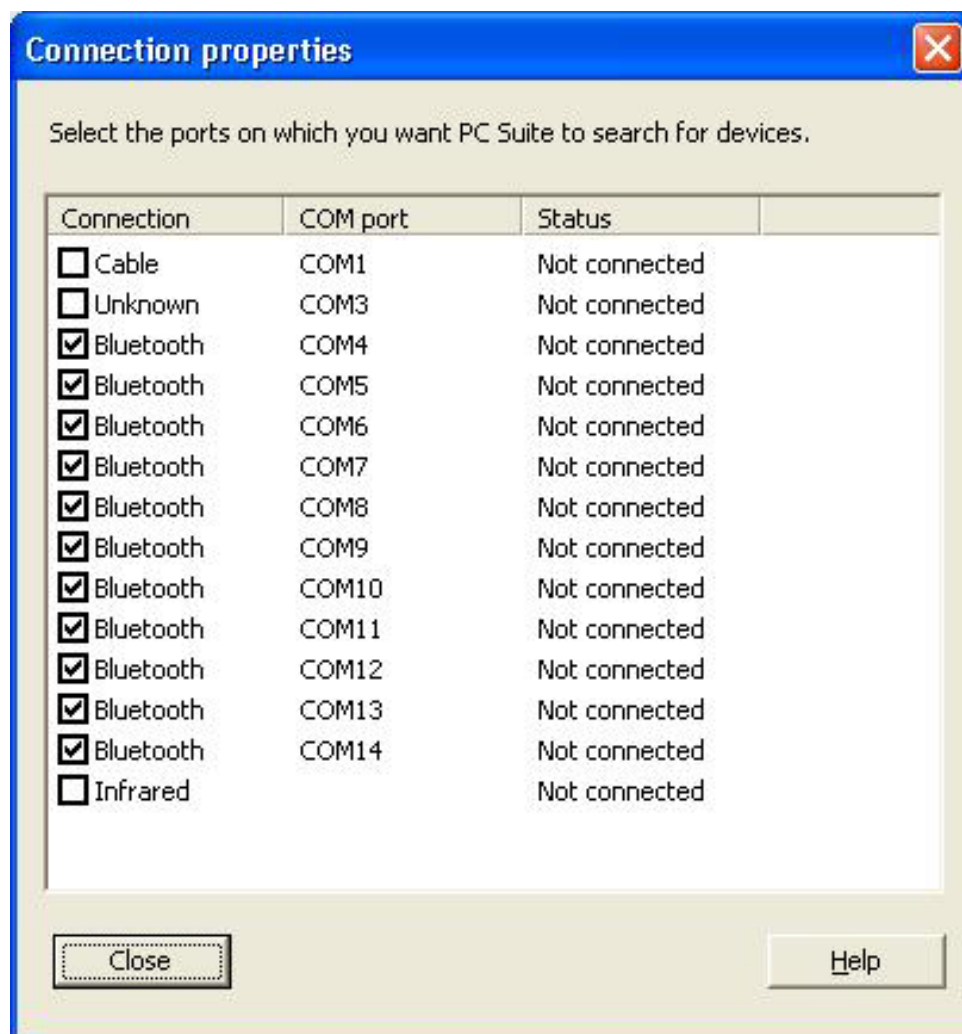
(3) Before proceeding, double check the Bluetooth Serial Port in use by the Bluetooth software by clicking Bluetooth-> Advanced Configuration on the menu bar in the "My Bluetooth Places" window. In this case, COM5 is being used as the Bluetooth Serial Port.



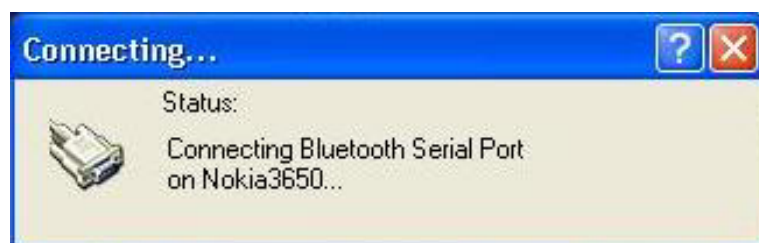
(4) On the task bar right click the mRouter icon and select "Properties".



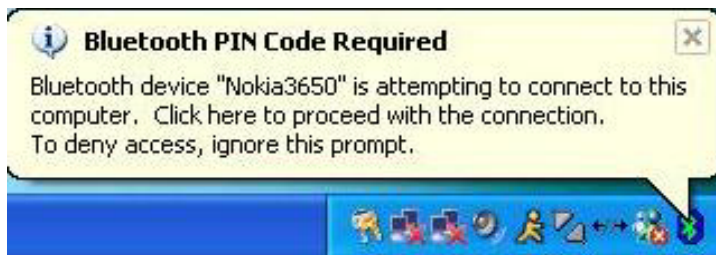
(5) Select COM5 as the port for PC Suite. If you're not sure select all ports as below.



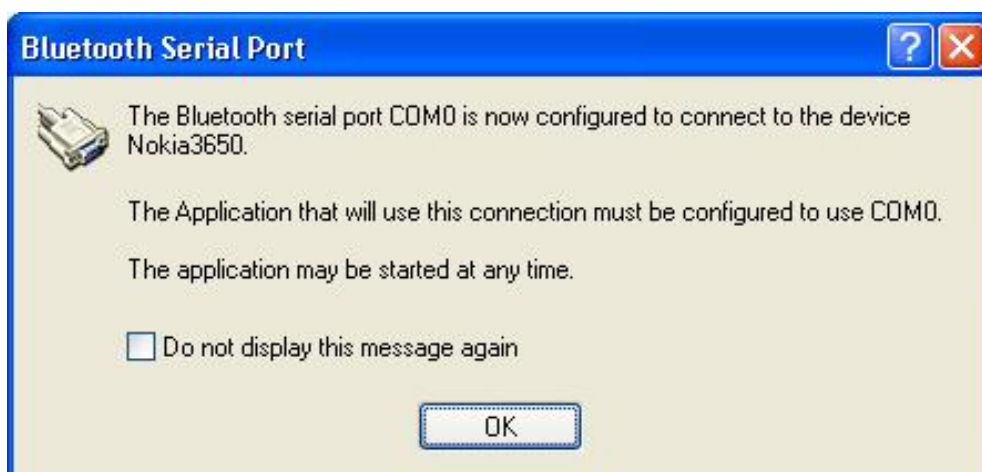
(6) Double click the "Bluetooth Serial Port on Nokia 3650" icon in "My Bluetooth Places" window to initiate a connection. Press "Yes" on your Nokia 3650 to accept the connection request from your system when the following window pops up.



(7) Click the balloon and type in a PIN Code as required. Key-in the same PIN Code on your Nokia 3650.



(7) Click "OK" when the window below pops up.



(8) Ignore the error message below and click "OK" to continue.



(9) Check "Always allow this device to access this service" and click "OK" to continue.



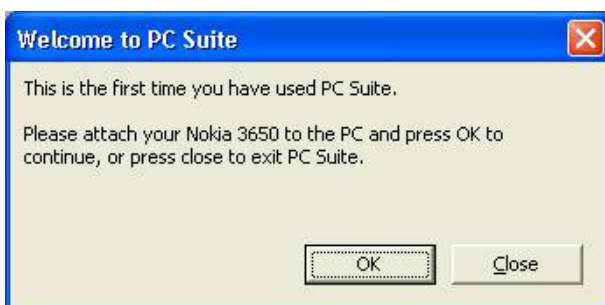
(10) Nokia PC Suite will now take over the connecting process.



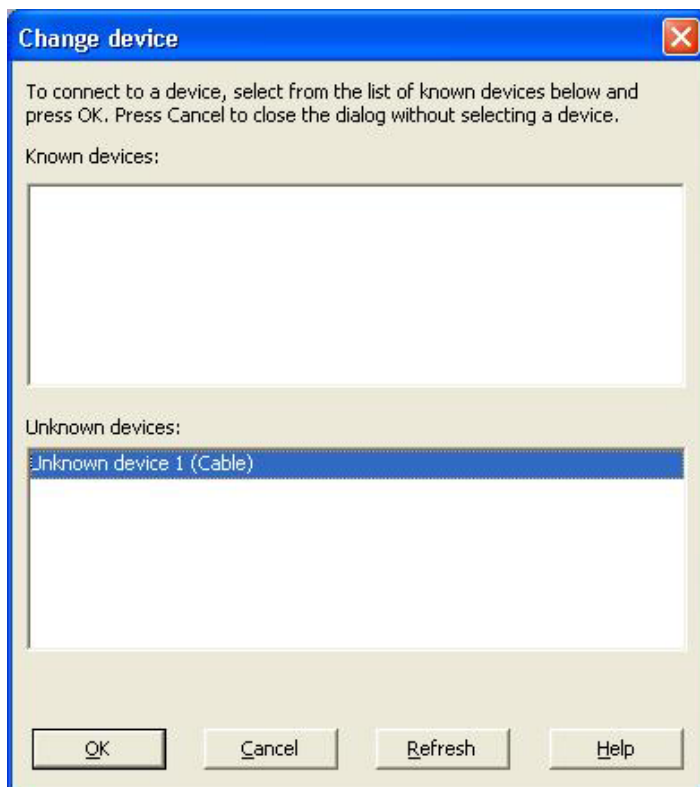
(11) Notice the change of icon once the connection is established.



(12) Launch Nokia PC Suite for 3650 by clicking the Start button-> PC Suite for Nokia 3650 -> PC Suite for Nokia 3650. The following window will pop up, click "OK" to continue.



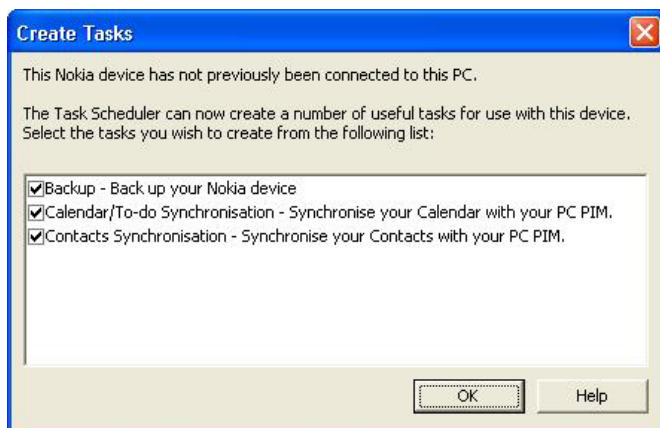
(13) Click "OK" to continue.



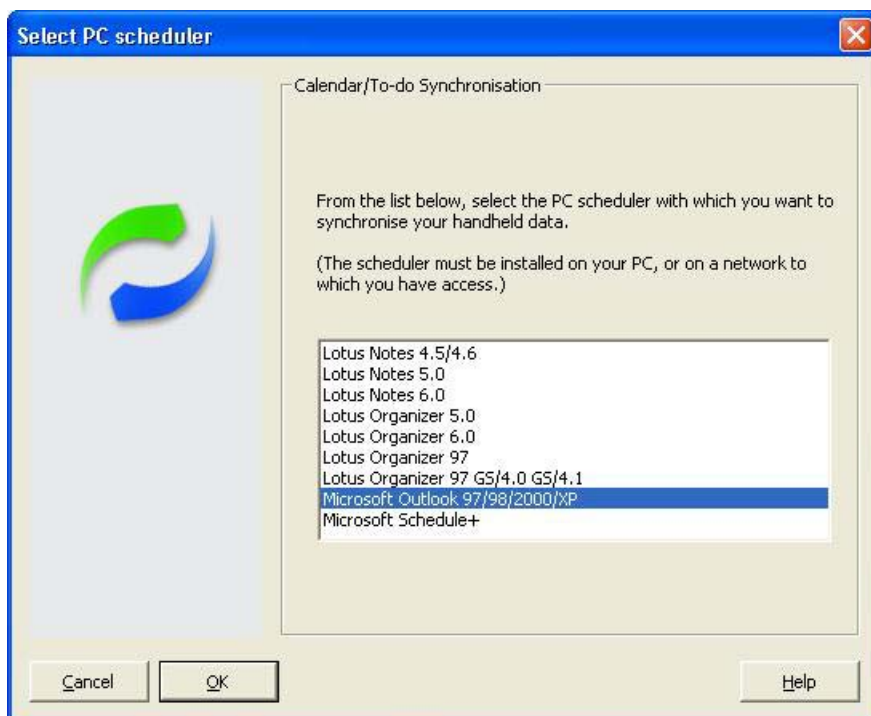
(14) Type the name of your preference, otherwise click "OK" to continue,



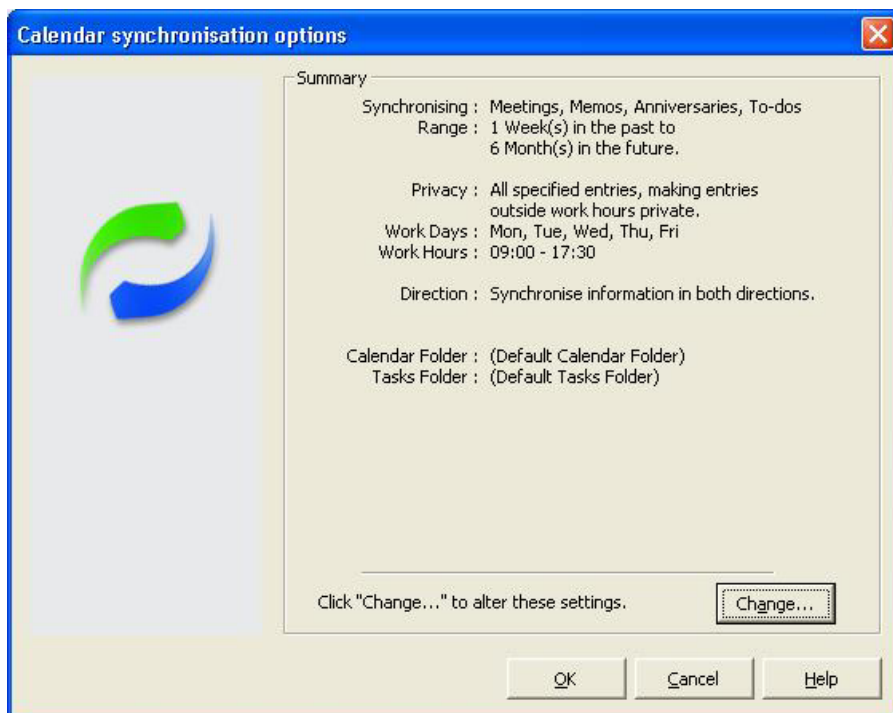
(15) Click "OK" to continue.



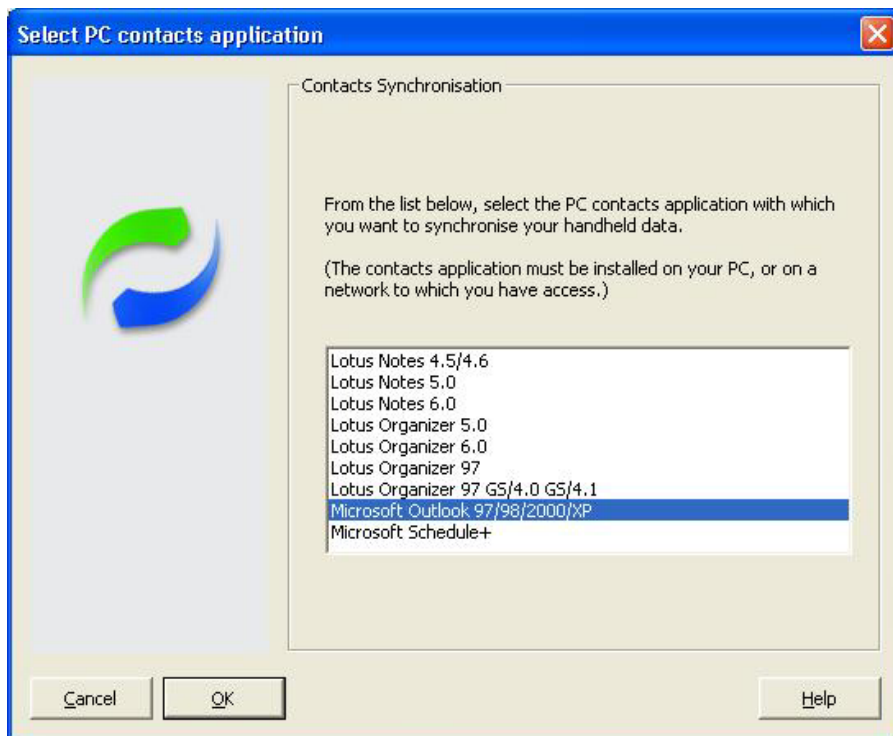
(16) Select the PC scheduler of your choice for Calendar synchronization and click "OK" to continue.



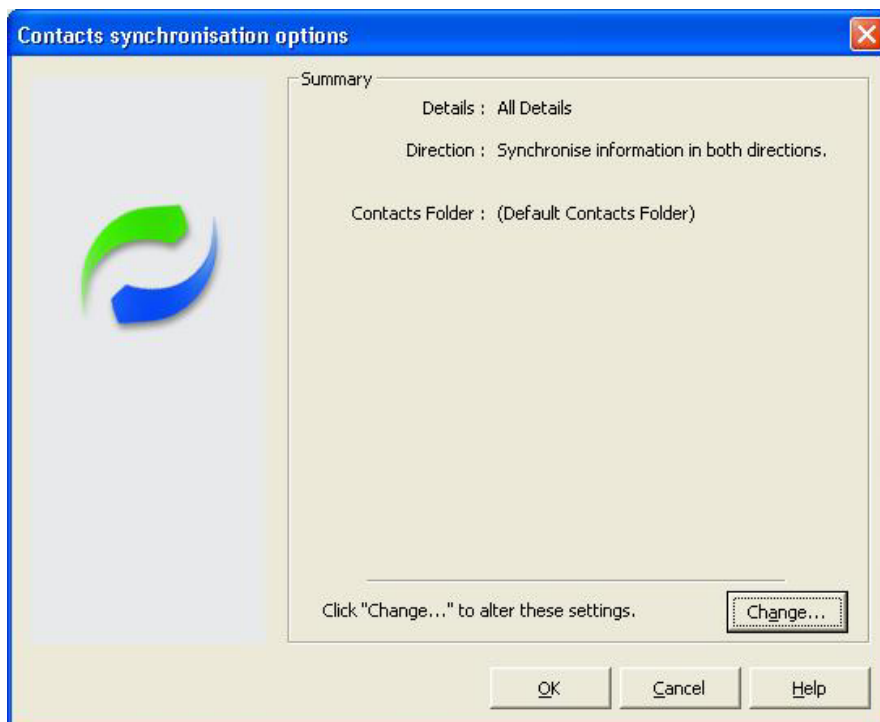
(17) Click "OK" to continue.



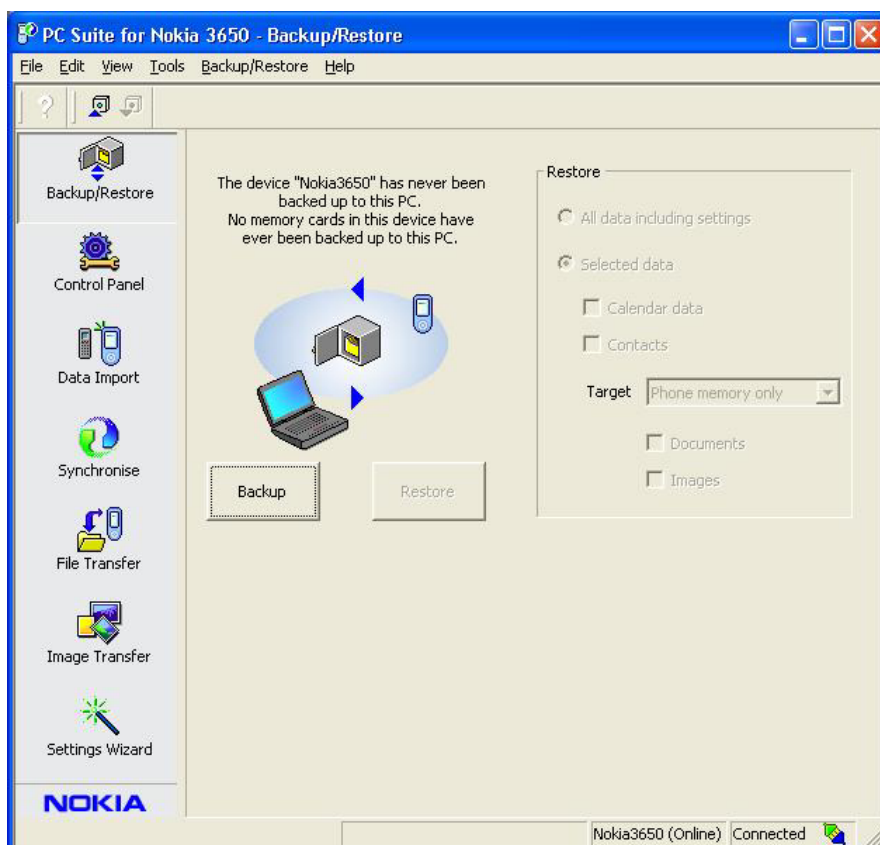
(18) Select the PC scheduler of your choice for Contacts synchronization and click "OK" to continue.



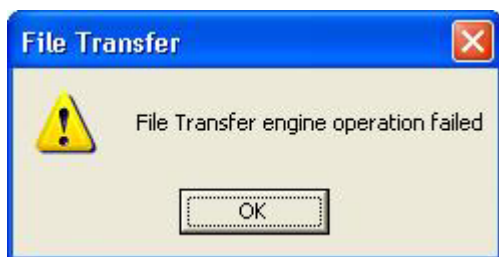
(19) Click "OK" to continue.



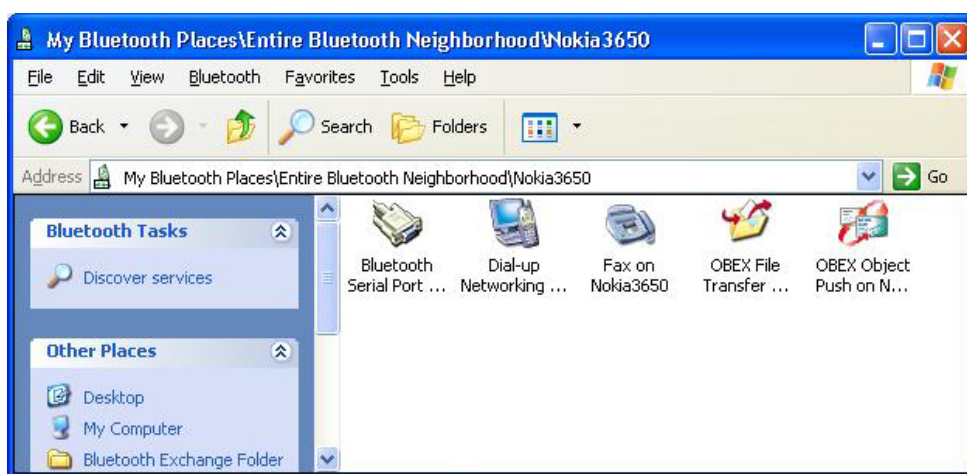
(20) Now you should be able to utilize Nokia PC Suite for 3650.



(21) Please note for some reason the "File Transfer" and "Image Transfer" function in Nokia PC Suite does not seem to work.

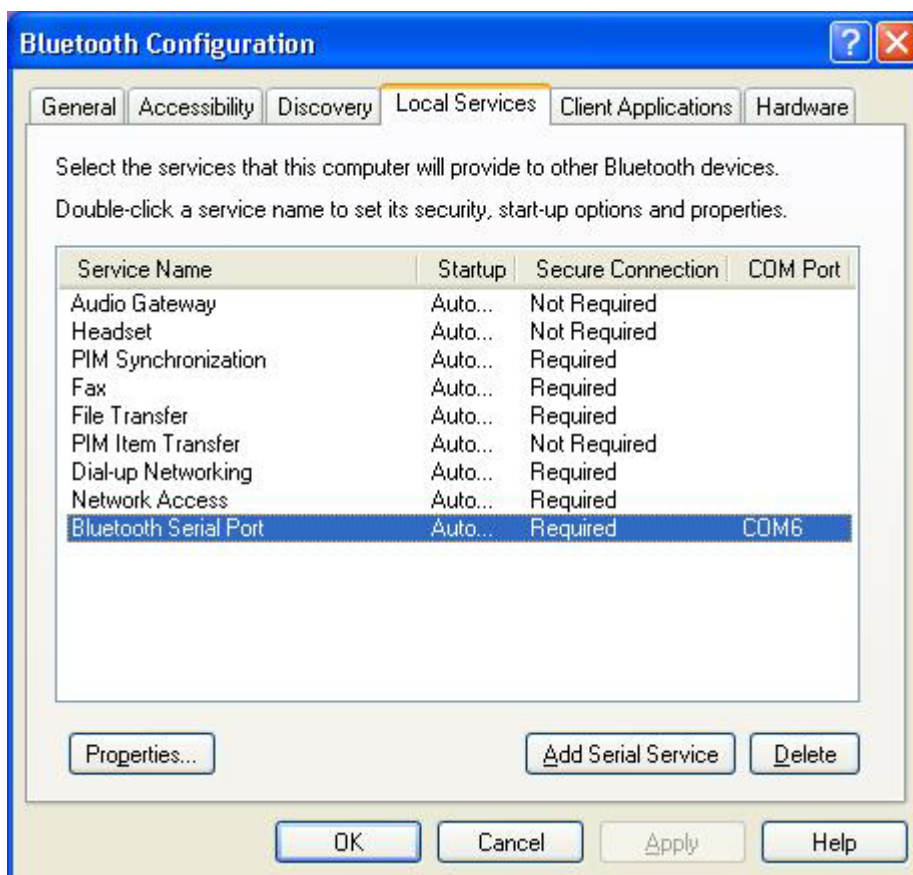


(22) You may have to use the "OBEX File Transfer on Nokia 3650" in "My Bluetooth Places" window to transfer files to your Nokia 3650.

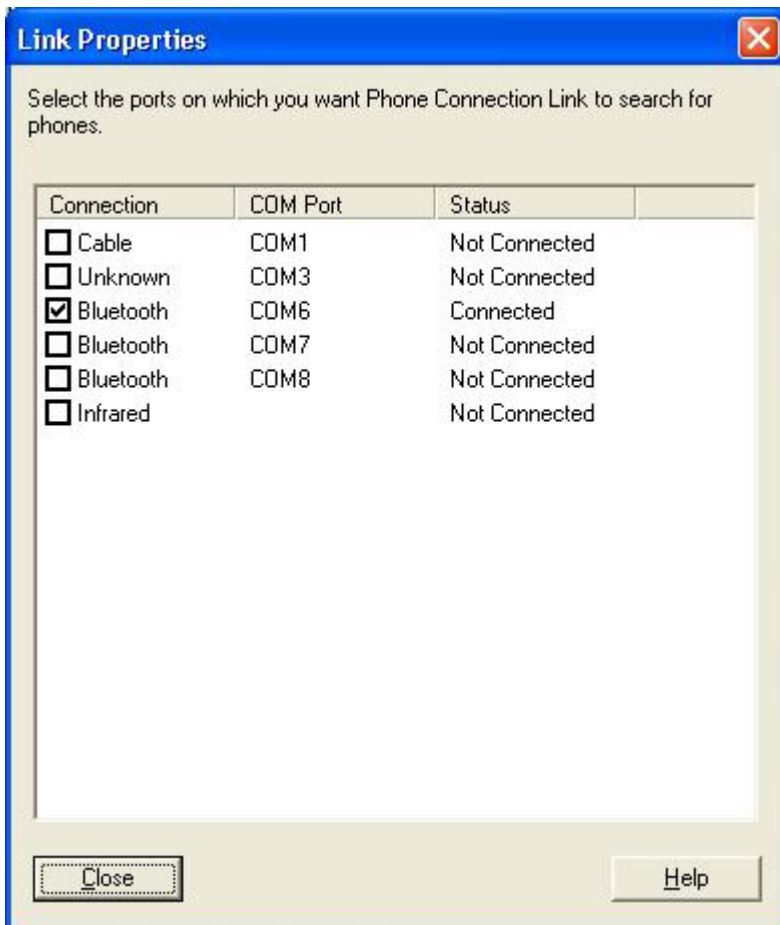


How to connect to Ericsson P800 via serial port

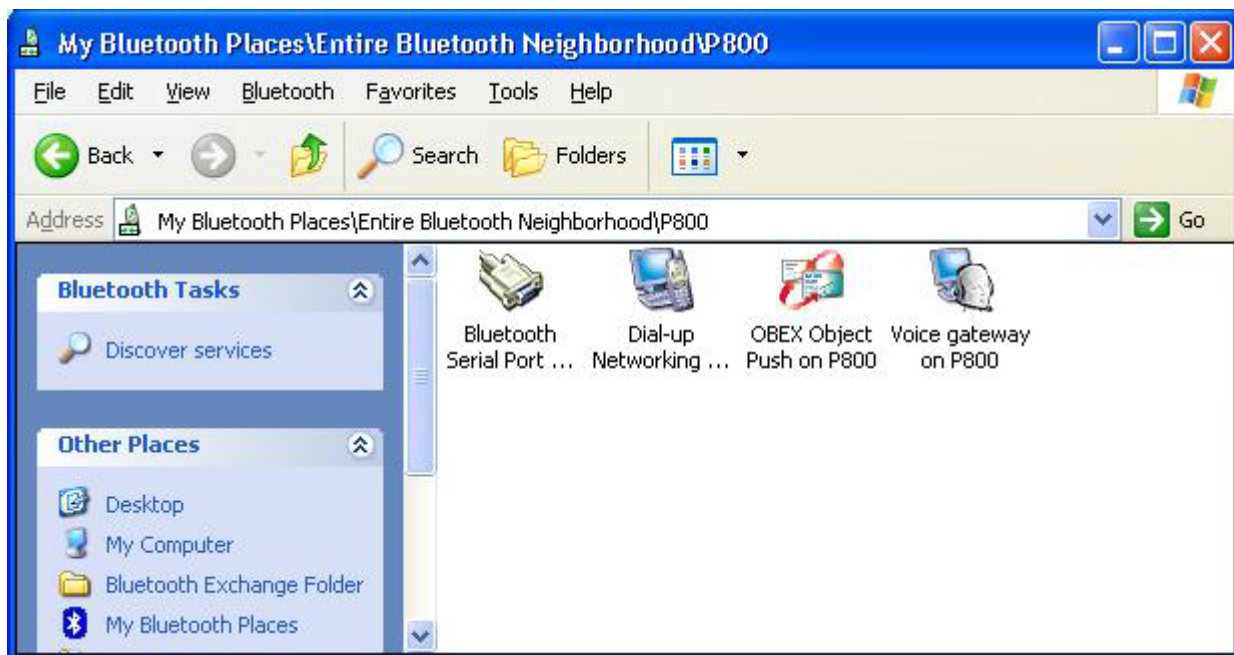
1. Enable the Bluetooth function on your Ericsson P800. Please refer to your P800 user manual if you're uncertain of how to do so.
2. Make sure both the Bluetooth software and Sony Ericsson's PCSuiteForP800 are installed.
3. Check the inbound Bluetooth Serial Port used by your system in Bluetooth (on menu bar)-> Advanced Configurations-> Local Services->Bluetooth Serial Port. (e.g. COM6 in this case)



4. Double click the Phone Connection Link icon (double arrow) on the taskbar to bring out the following window, and tick the COM port used in step 3. We do recommend, however, to tick all the COM ports listed to make the process easier.



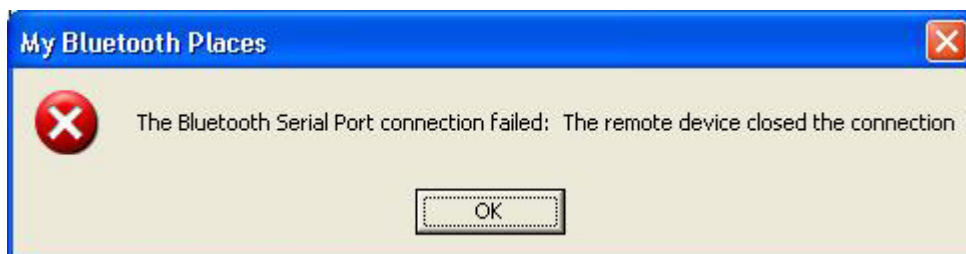
5. Double click the Bluetooth Serial Port icon in My Bluetooth Places of your P800.



6. The following dialog box will appear, ignore it and click OK to continue.



7. The following dialog box will appear, ignore it and click OK to continue.



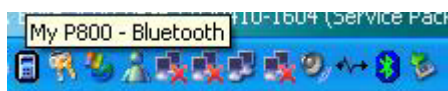
8. When the balloon appears, click it to accept the request.



9. The following dialog box will appear, click OK to continue.



10. Your system and P800 is now connected.



11. The following dialog box will appear. Click Next to continue.



12. Click Next to continue.



13. Click Next to continue.



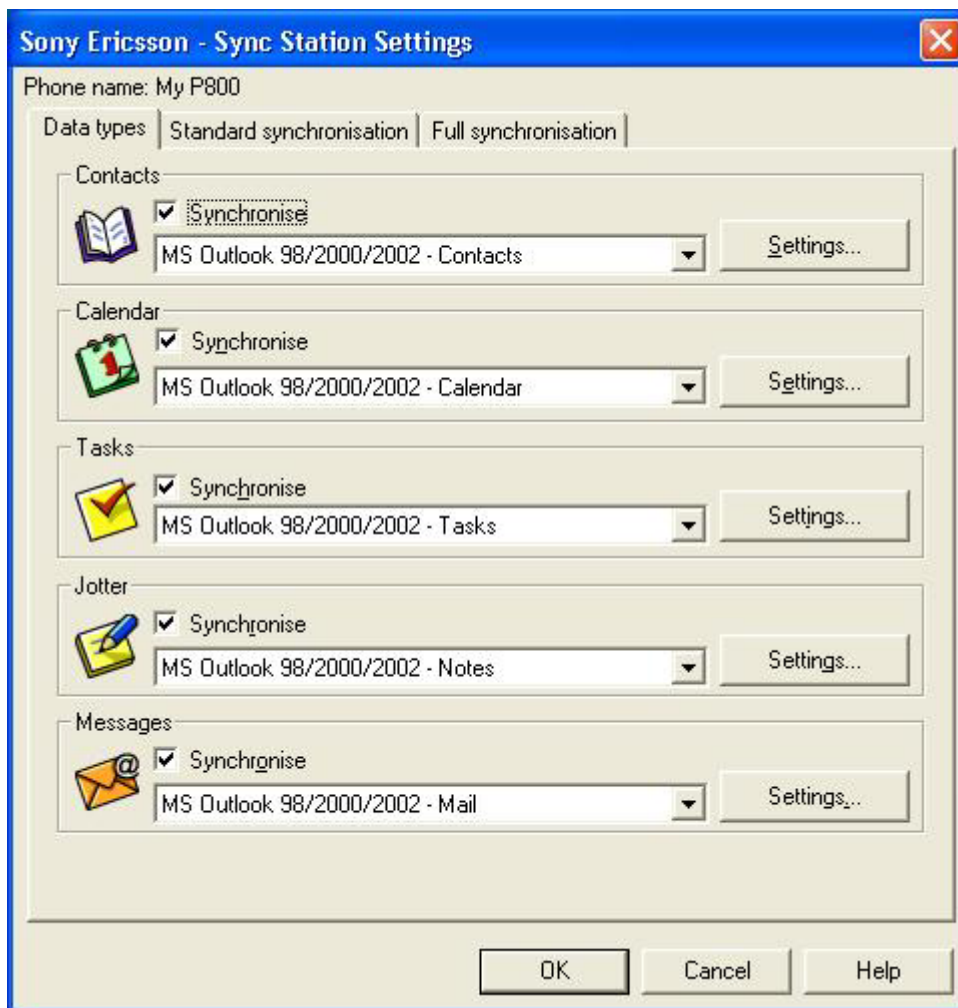
14. Click Finish to continue.



15. The following dialog box will appear. Click OK to continue.



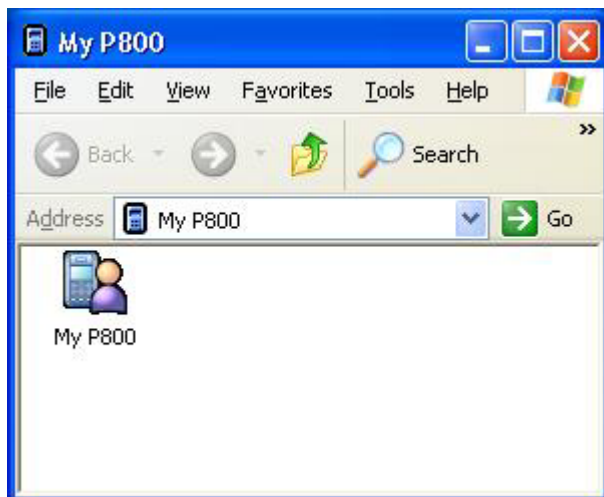
16. Select the program you wish to synchronize with and click OK to continue.



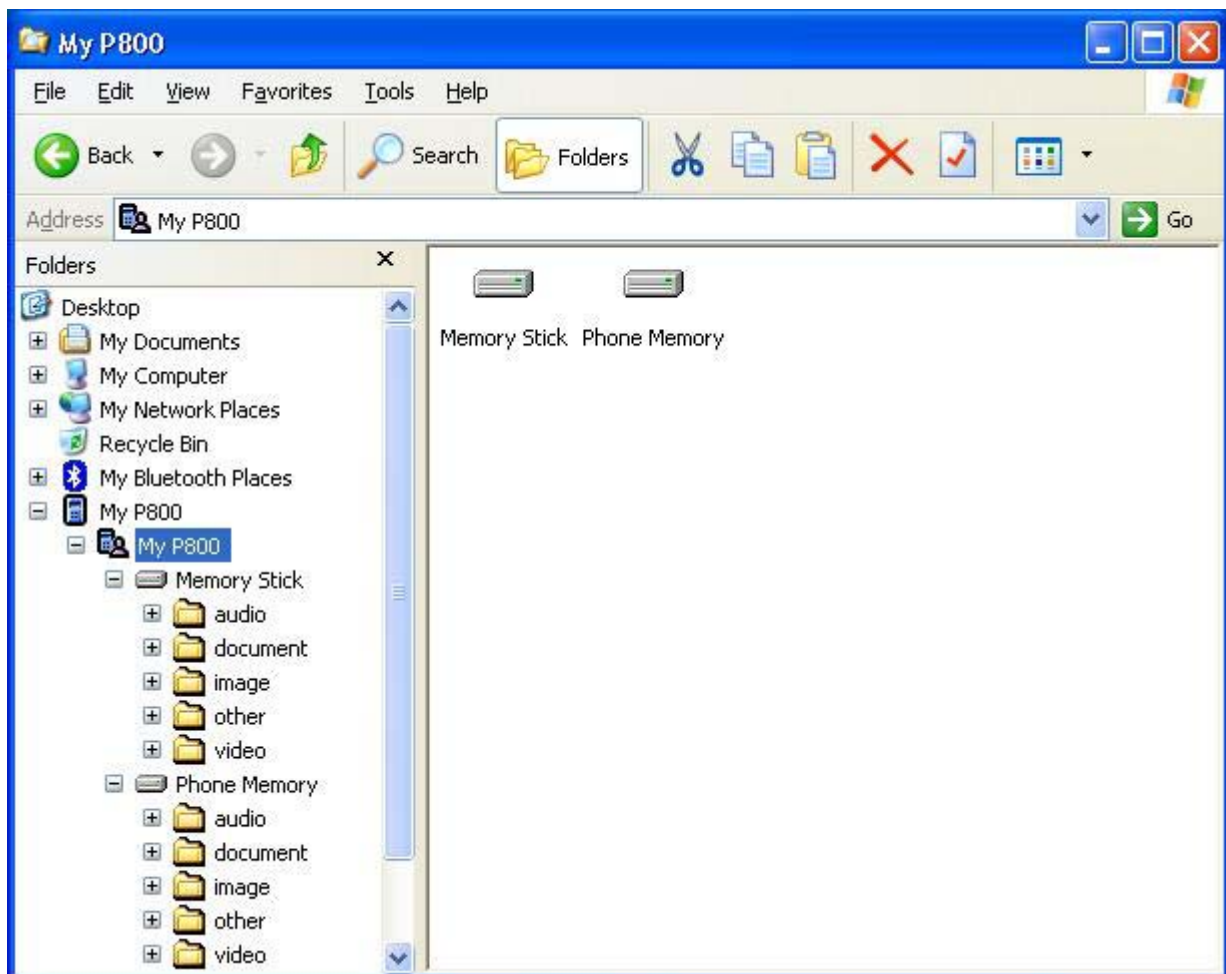
17. The program will start synchronizing your P800 and your system.



18. Launch My P800 on the Desktop.

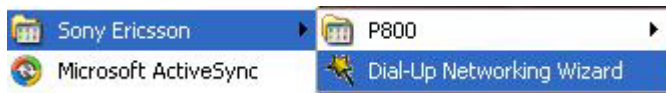


19. You can now access the Memory Stick or the Phone Memory of your P800.

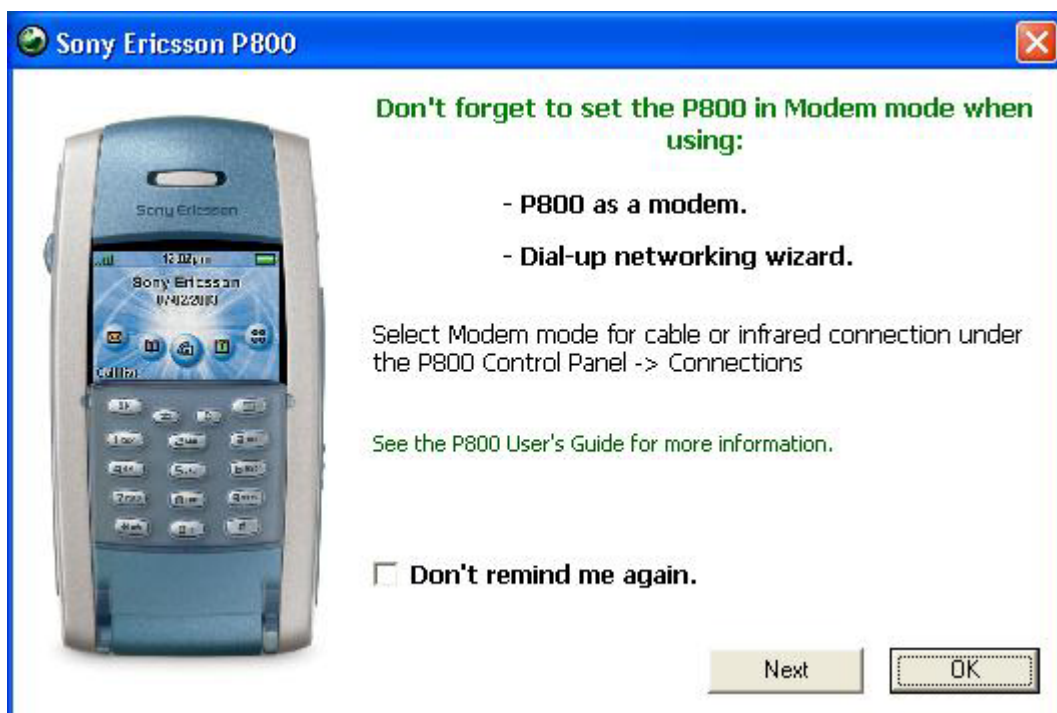


Bluetooth Dial-up via P800 to Internet

1. Click Start button->Programs->Sony Ericsson->Dial-Up Networking Wizard.



2. When the following dialog box appears, move over to your P800, go to Control Panel->Connections->cable, and select "Modem". Then click Next to continue.

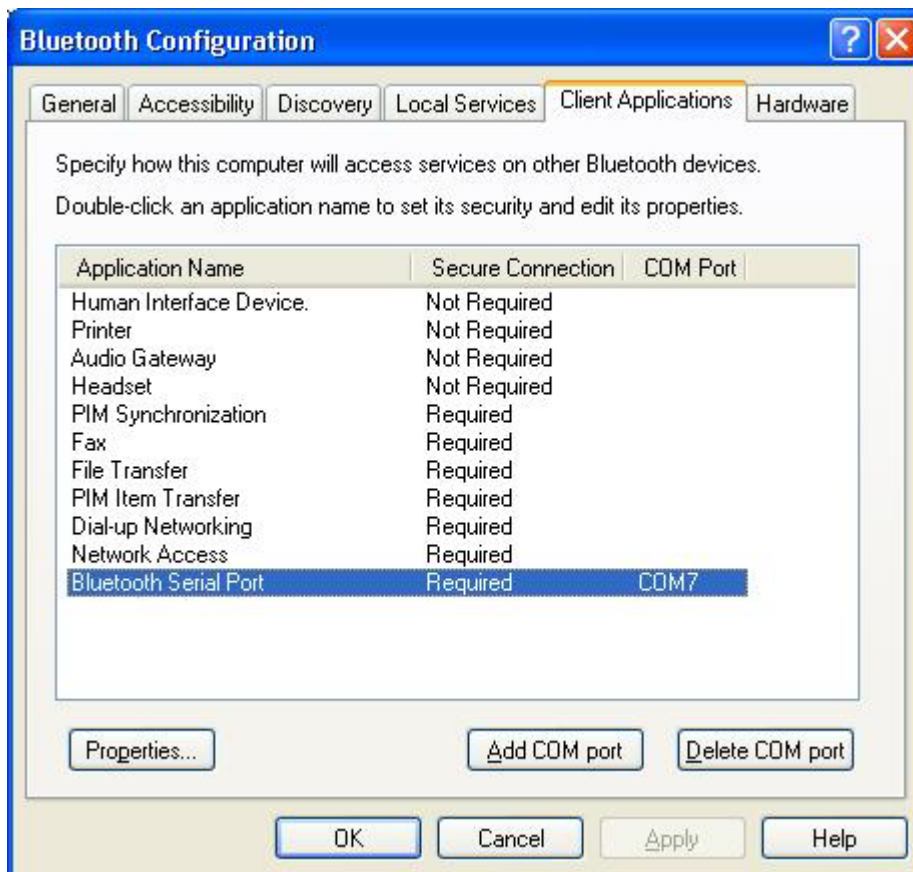


3. When the following dialog box appears, please do steps 4 to 6 before click Back then OK to continue to step 7.

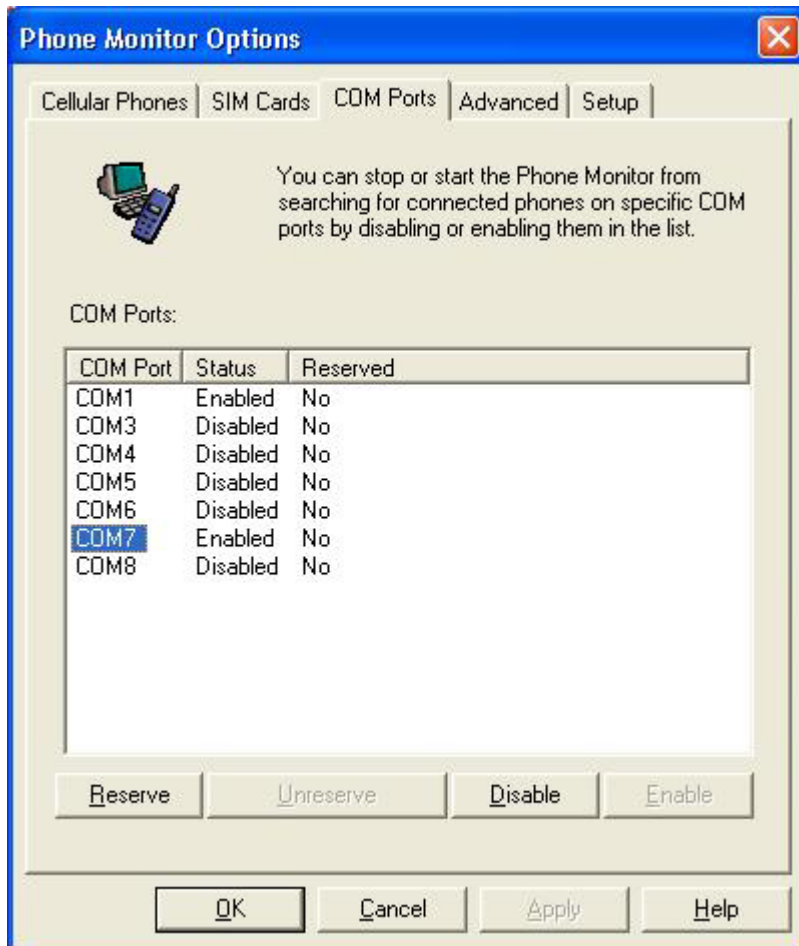


4. Double click the Phone Connection Link on the task bar to bring out the Link Properties window. Un-tick the COM port that was used for synchronization.

5. Check the outbound Bluetooth Serial Port used by your system in Bluetooth (on menu bar)-> Advanced Configurations-> Client Applications->Bluetooth Serial Port (e.g. COM7 in this case).



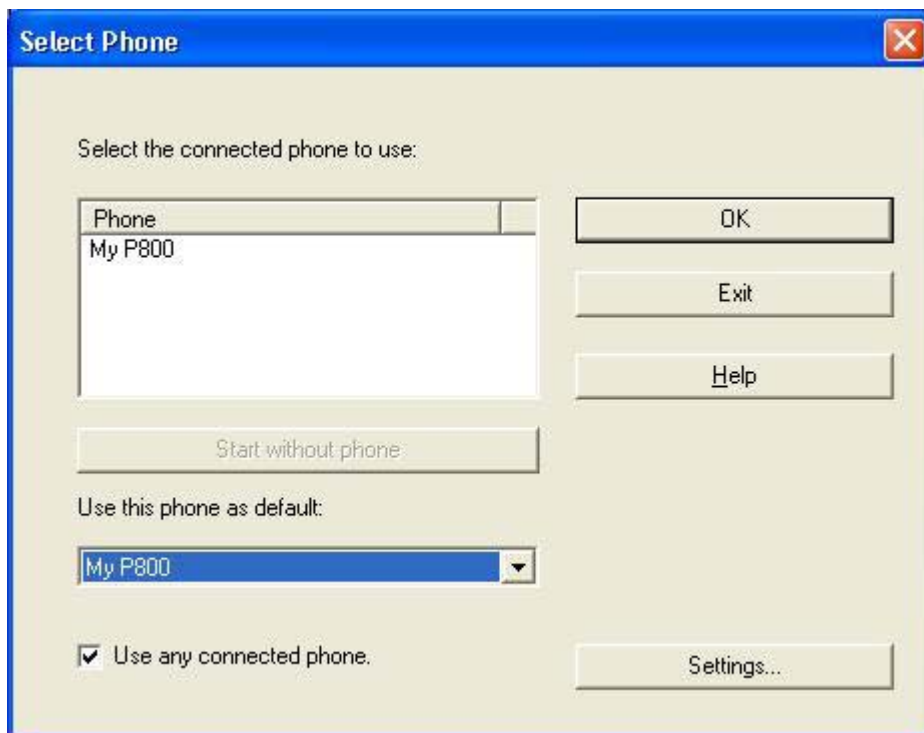
6. Enable the COM port used in step 5 in Start->Settings->Control Panel->Phone Monitor Options. (e.g. COM7 in this case) Then click OK to continue. We do recommend, however, to enable all the COM ports listed to make the process easier.



7. Click Accept on your P800, when asked that your system is trying to connect in order to transfer an entry.

Wizard will start searching for connected phones.

8. When your P800 appears in the Select Phone window, click OK to continue.



9. When the Phone Connection Wizard window appears, click Next to continue.



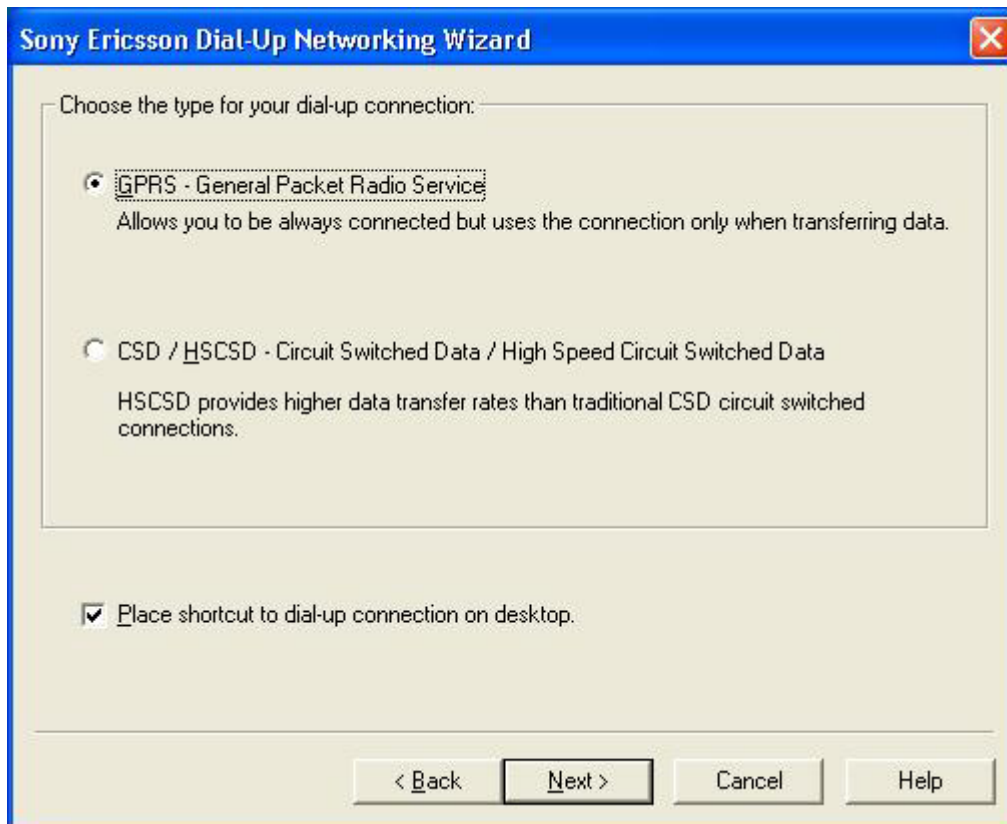
10. Click Finish to continue.



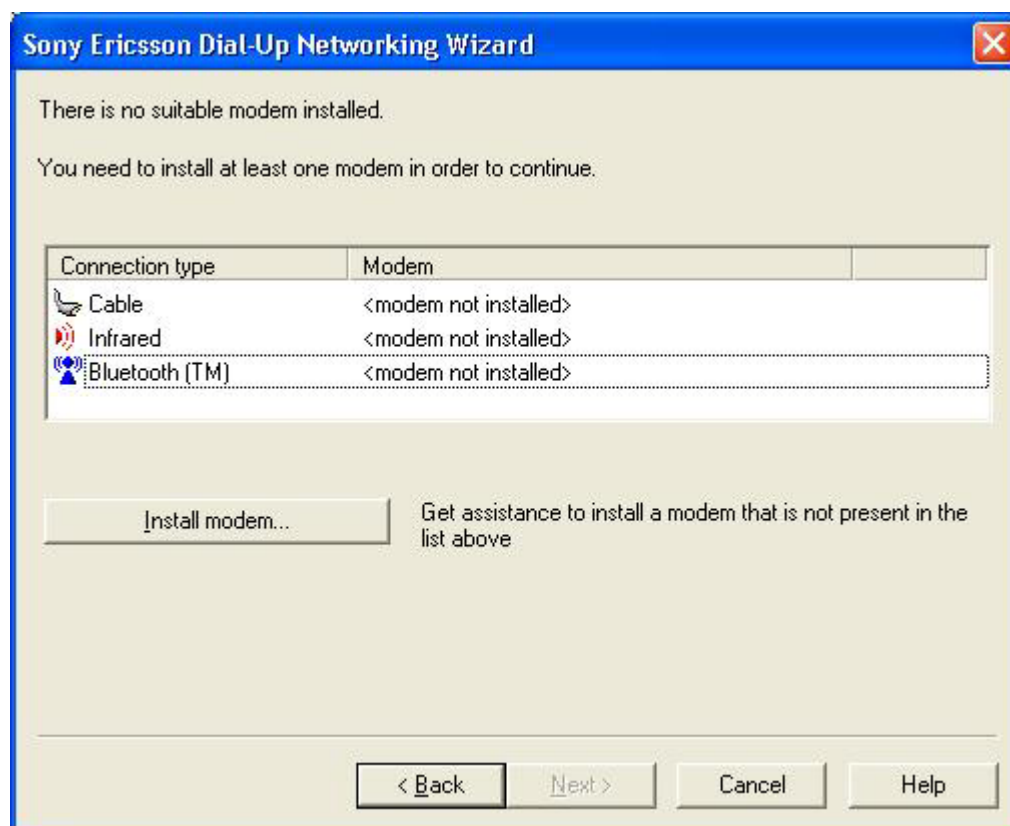
11. Sony Ericsson Dial-up Networking Wizard will appear, select BluetoothConnection and click Next to continue.



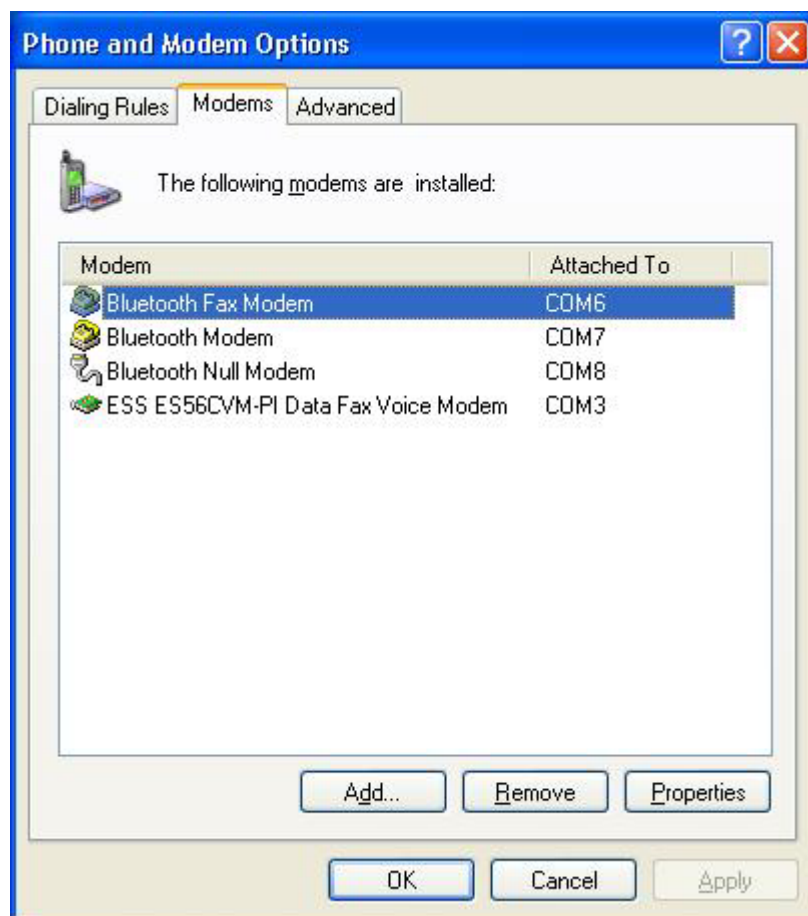
12. Choose the type for your dial-up connection, then click Next to continue.



13. When the following window appears, click the Install modem... button to install Ericsson Bluetooth modem.



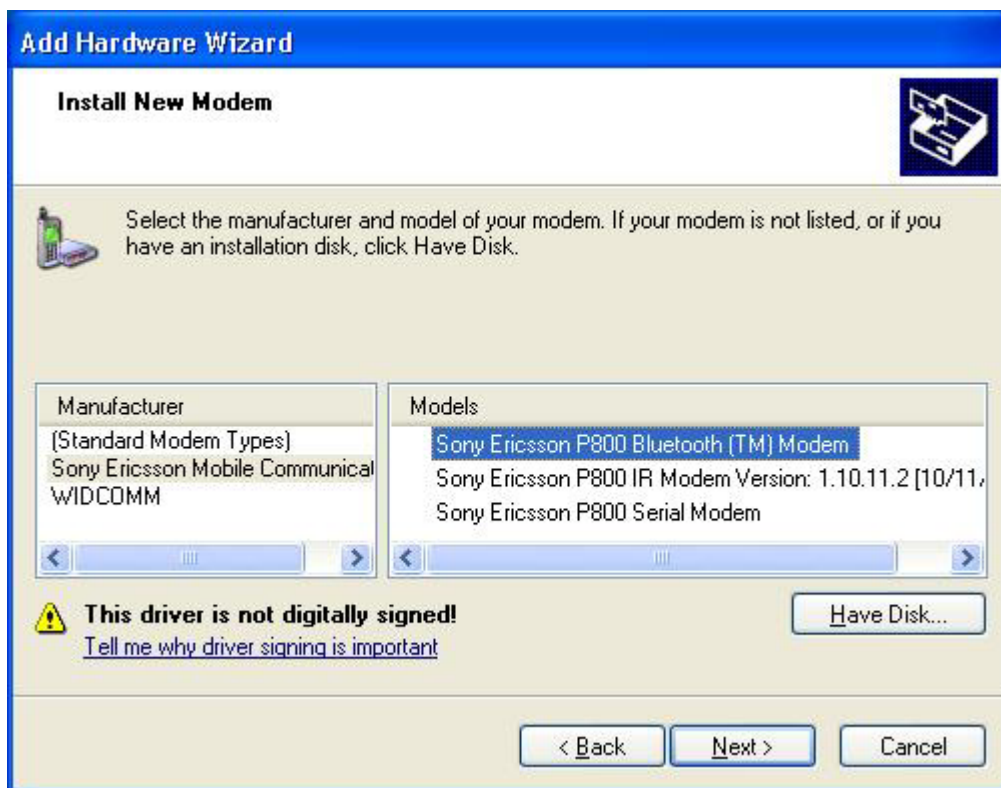
14. Click the Modem tab, and click Add... to continue.



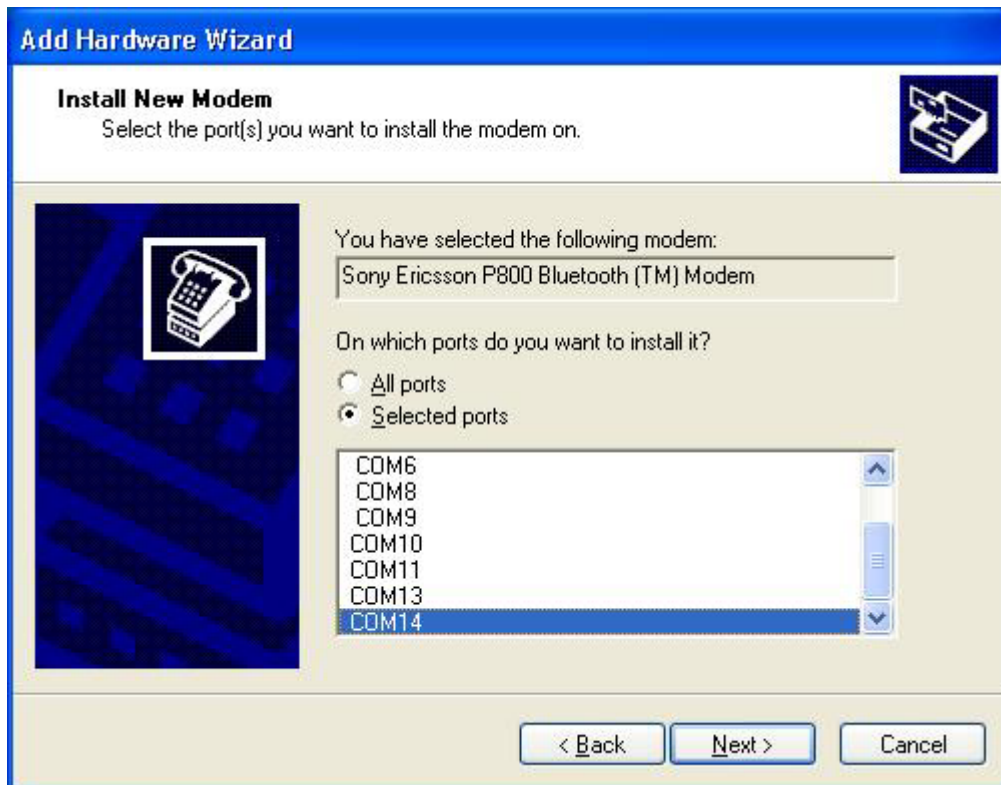
15. Click "Don't detect my modem; I will select it from a list", then click Next to continue.



16. Select Sony Ericsson Mobile Communications->Sony Ericsson P800 Bluetooth (TM) Modem, then click Next to continue.



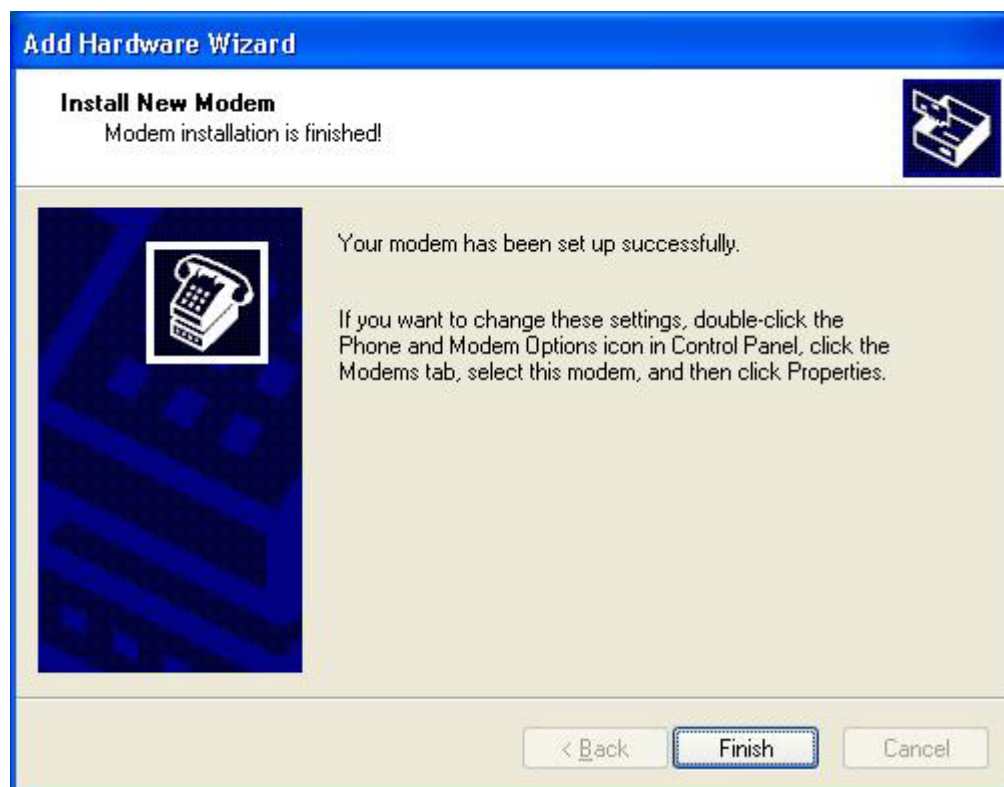
17. Assign a COM port to the new Sony Ericsson P800 Bluetooth Modem.



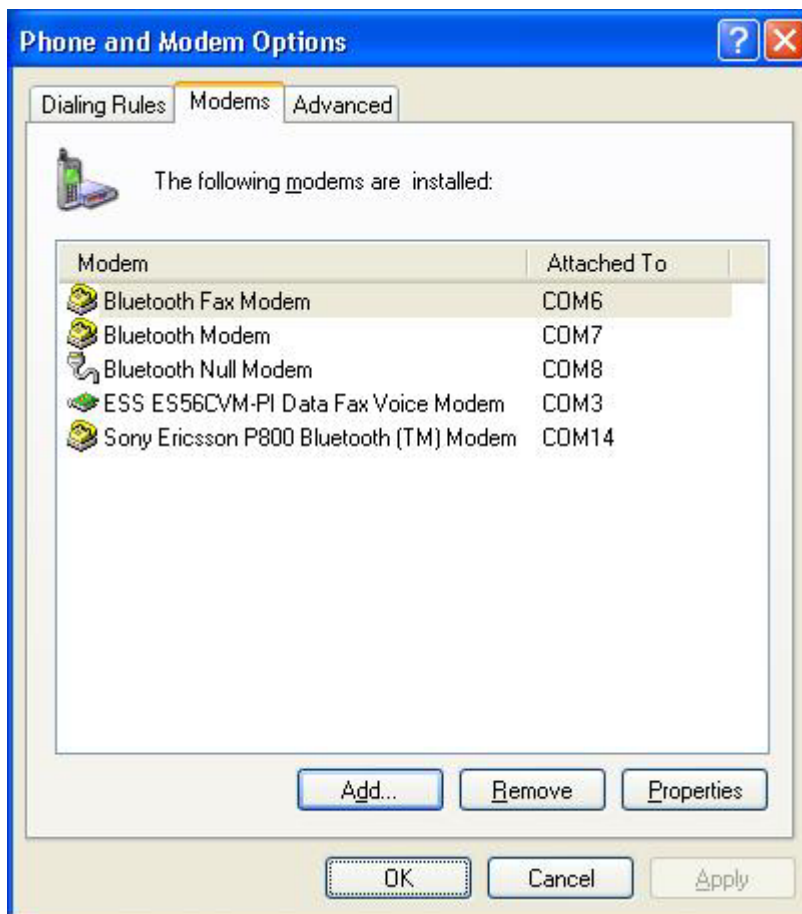
18. Click Continue Anyway to install the driver.



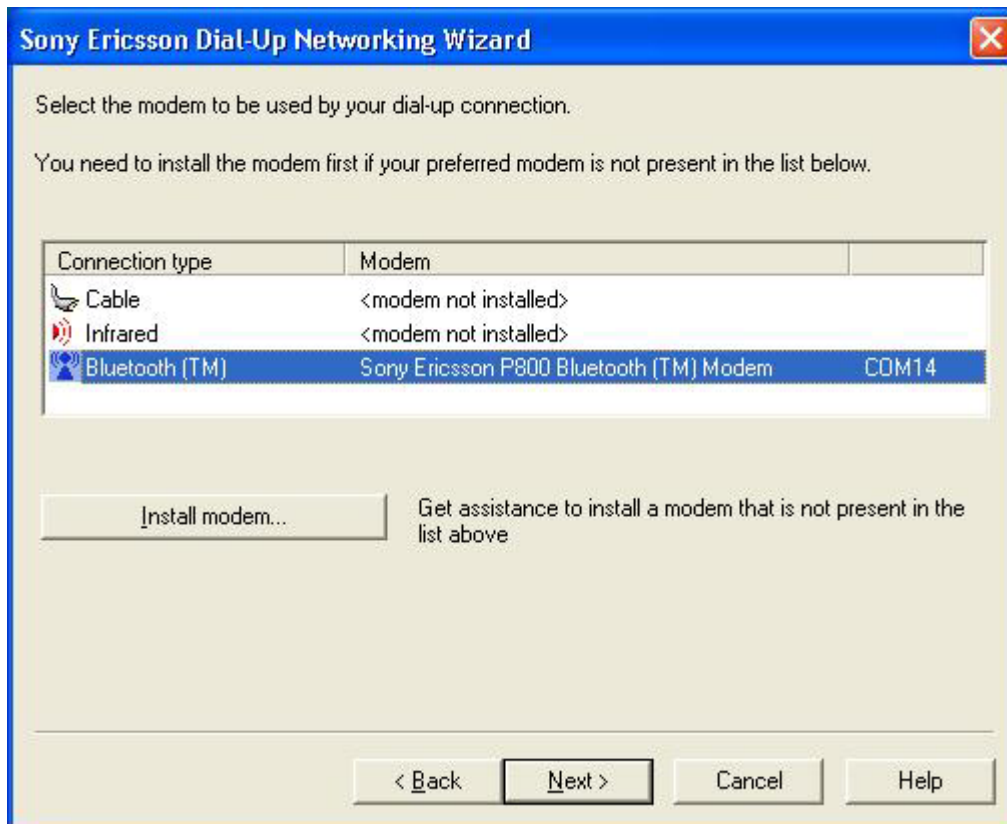
19. Click Finish to continue.



20. Click OK to continue.



21. Click Next to continue.



22. Wizard will start retrieving GPRS configurations from your P800.



23. Check with your GPRS service provider for the correct APN value to enter, then click Next to continue.

Sony Ericsson Dial-Up Networking Wizard

Your mobile device supports multiple GPRS configurations, each of which is identified by a CID number. You must select the configuration for your dial-up connection.

If necessary, press Details to modify the Access Point Name or other GPRS settings.

CID	Access Point Name - APN
1	internet

Add new entry...

Delete entry...

Details...

Properties of selected entry:

CID: 1
APN: internet

< Back Next > Cancel Help

24. Make sure the APN has a correct value.



The image shows a 'GPRS settings' dialog box with a blue title bar and a close button. The 'CID' is set to '1'. The 'Access Point Name - APN' field is labeled '(leave blank to use default)' and contains the text 'internet'. Below this is a section titled 'Own IP address' containing two radio button options: 'Server assigned IP address - (default)' (which is selected) and 'Specify an IP address:'. The 'Specify an IP address' option has an empty text field with four vertical dividers. At the bottom right is a 'Help' button. At the bottom are three buttons: 'OK', 'Cancel', and '>>'.

GPRS settings

CID: 1

Access Point Name - APN:
(leave blank to use default)

internet

Own IP address

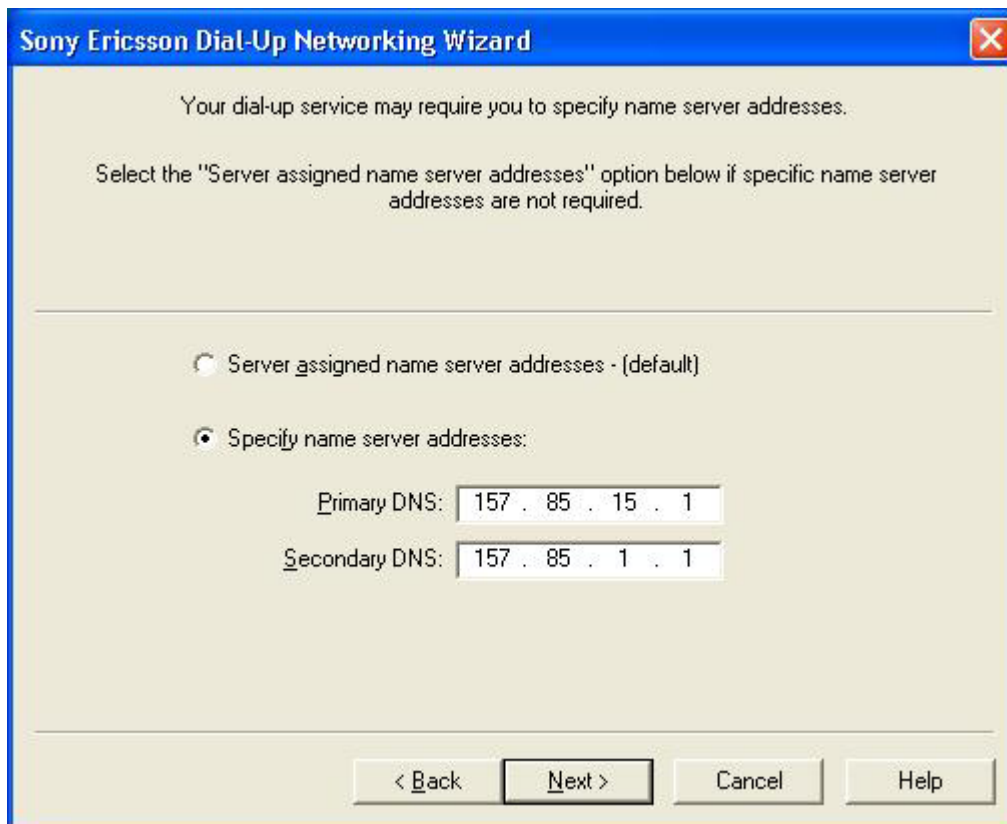
☒ Server assigned IP address - (default)

☐ Specify an IP address:

Help

OK Cancel >>

25. Check with your GPRS service provider if DNS is required. Then click Next to continue.



The screenshot shows a window titled "Sony Ericsson Dial-Up Networking Wizard" with a standard Windows XP-style title bar (blue with a close button). The main area has a light beige background. At the top, it says "Your dial-up service may require you to specify name server addresses." followed by "Select the 'Server assigned name server addresses' option below if specific name server addresses are not required." Below this is a horizontal line. There are two radio button options: "Server assigned name server addresses - (default)" which is unselected, and "Specify name server addresses:" which is selected. Under the selected option, there are two text input fields. The first is labeled "Primary DNS:" and contains the IP address "157 . 85 . 15 . 1". The second is labeled "Secondary DNS:" and contains the IP address "157 . 85 . 1 . 1". At the bottom of the window, there are four buttons: "< Back", "Next >", "Cancel", and "Help". The "Next >" button is highlighted with a darker border.

Sony Ericsson Dial-Up Networking Wizard

Your dial-up service may require you to specify name server addresses.

Select the "Server assigned name server addresses" option below if specific name server addresses are not required.

☐ Server assigned name server addresses - (default)

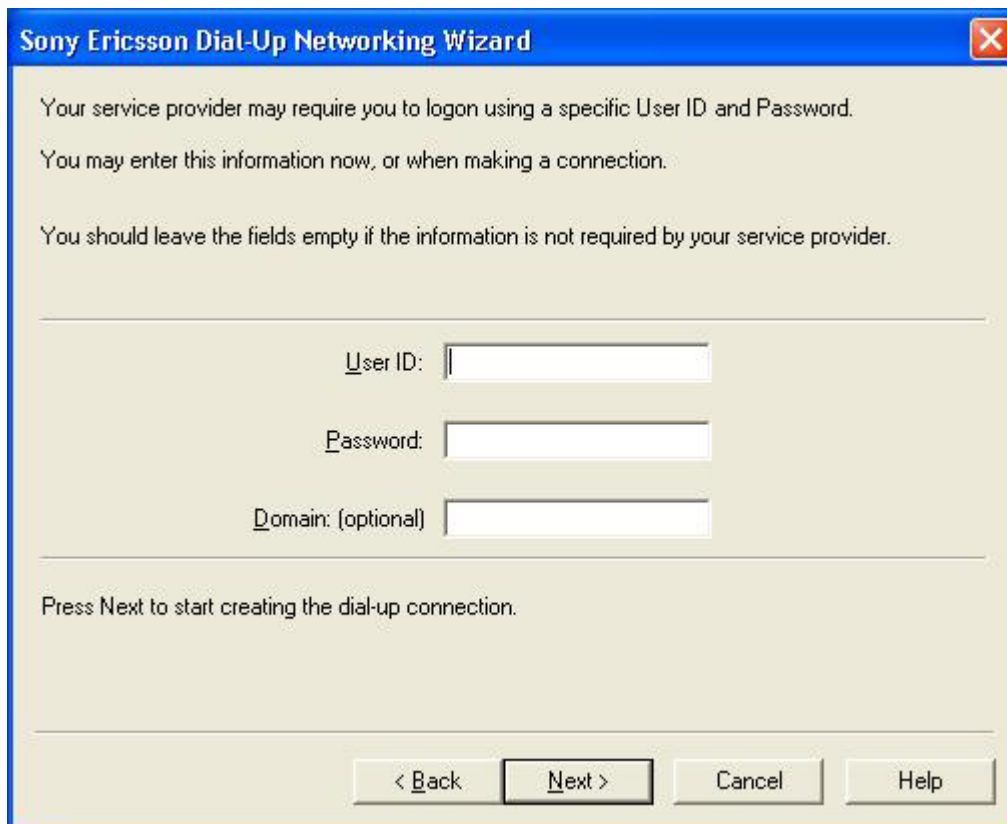
☒ Specify name server addresses:

Primary DNS: 157 . 85 . 15 . 1

Secondary DNS: 157 . 85 . 1 . 1

< Back Next > Cancel Help

26. Check with your GPRS service provider if UserID and Password is required. Then click Next to continue.



The screenshot shows a Windows-style dialog box titled "Sony Ericsson Dial-Up Networking Wizard". The window has a blue title bar with a red close button in the top right corner. The main area has a light beige background and contains the following text:

Your service provider may require you to logon using a specific User ID and Password.
You may enter this information now, or when making a connection.
You should leave the fields empty if the information is not required by your service provider.

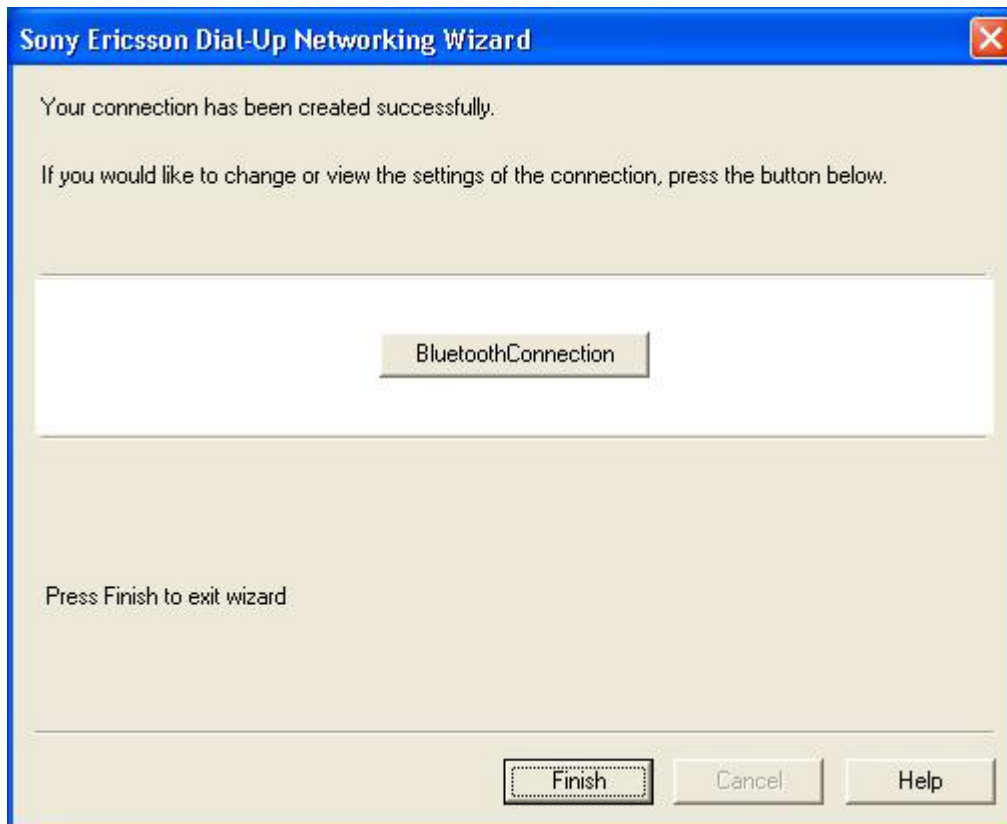
Below the text are three input fields, each preceded by a label:

- User ID: [text box]
- Password: [text box]
- Domain: (optional) [text box]

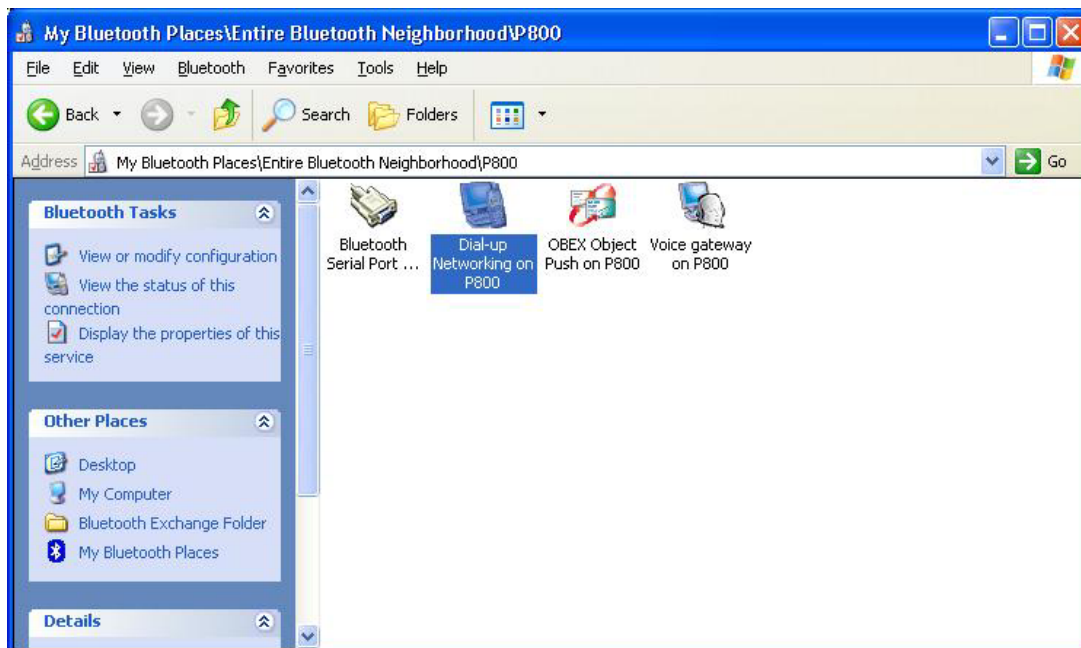
Below the input fields, the text reads: "Press Next to start creating the dial-up connection."

At the bottom of the window, there are four buttons: "< Back", "Next >", "Cancel", and "Help". The "Next >" button is highlighted with a black border.

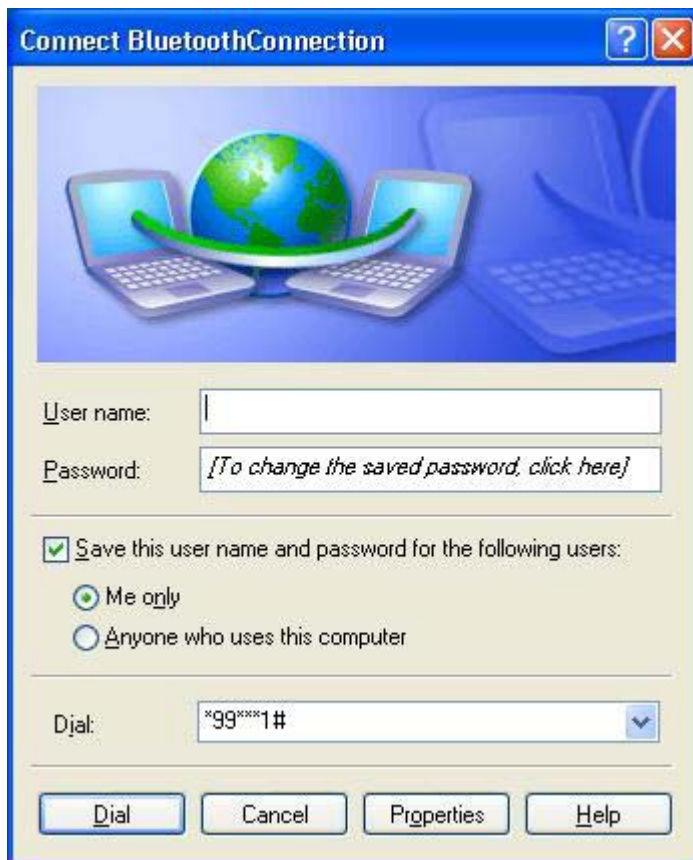
27. Click Finish to close the wizard.



28. In your Bluetooth software, double click the Dial-up Networking icon of your P800.

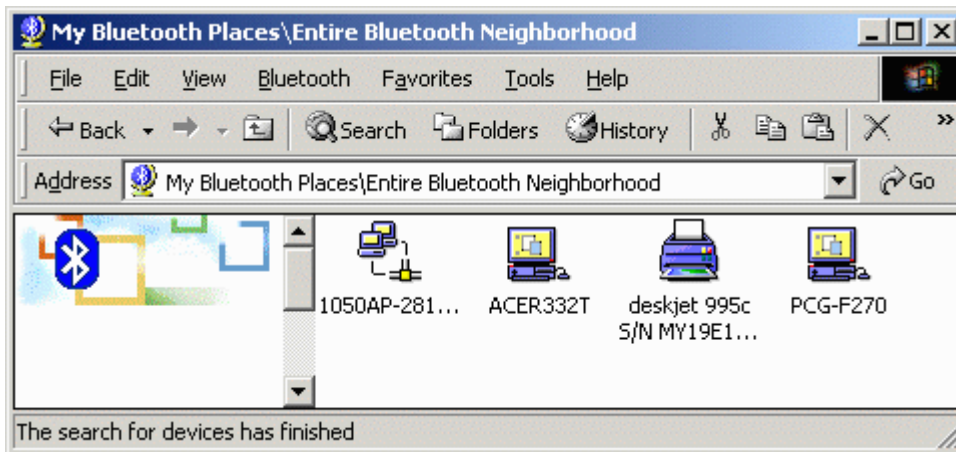


29. The number to dial will be entered automatically, click Dial to establish a GPRS connection.

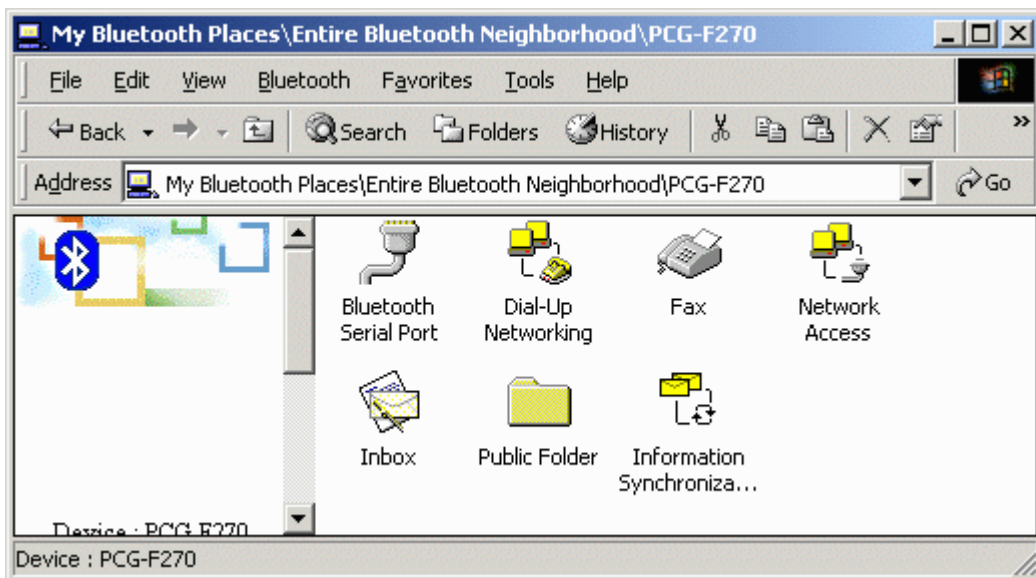


How to set up HyperTerminal for Bluetooth transfer

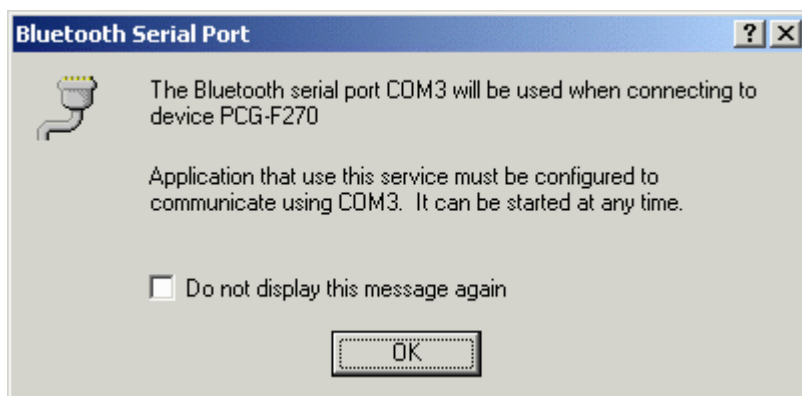
- (1) Install Bluetooth Software on two separate notebooks or desktop PCs (referred to as server and client in the following document).
- (2) With Bluetooth adapter inserted, do a "Search for devices" on client to find near by Bluetooth devices.



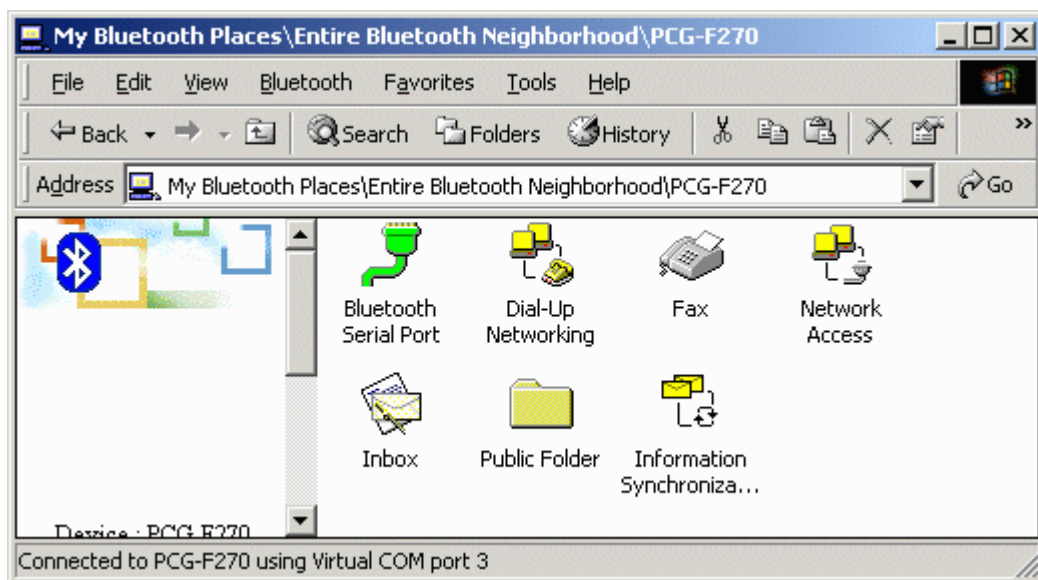
- (3) Double click on the Bluetooth device you wish to connect to (e.g. PCG-F270, the server).



(4) Double click on "Bluetooth Serial Port"; take a note of the COM port used by this connection (e.g. COM3).



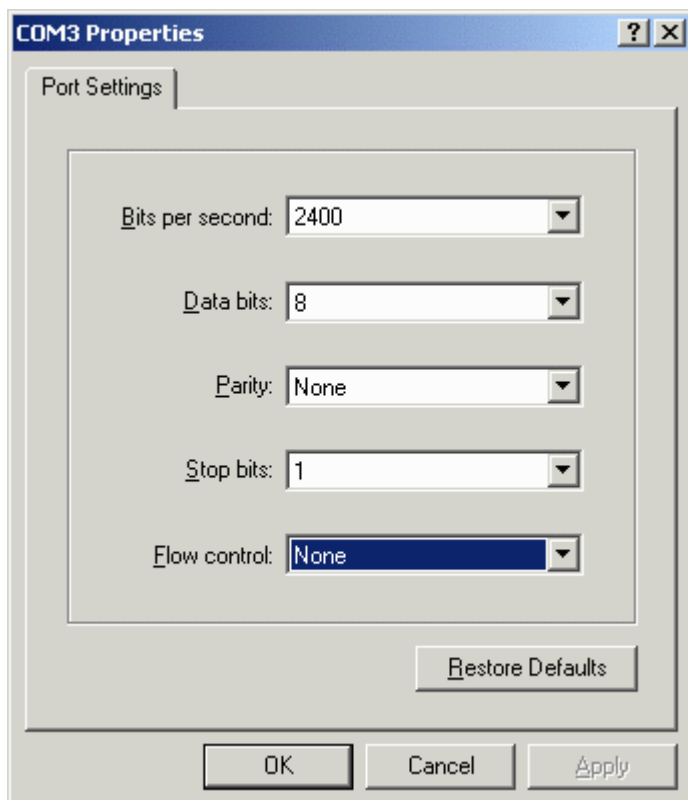
(5) The Bluetooth Serial connection should now be established.



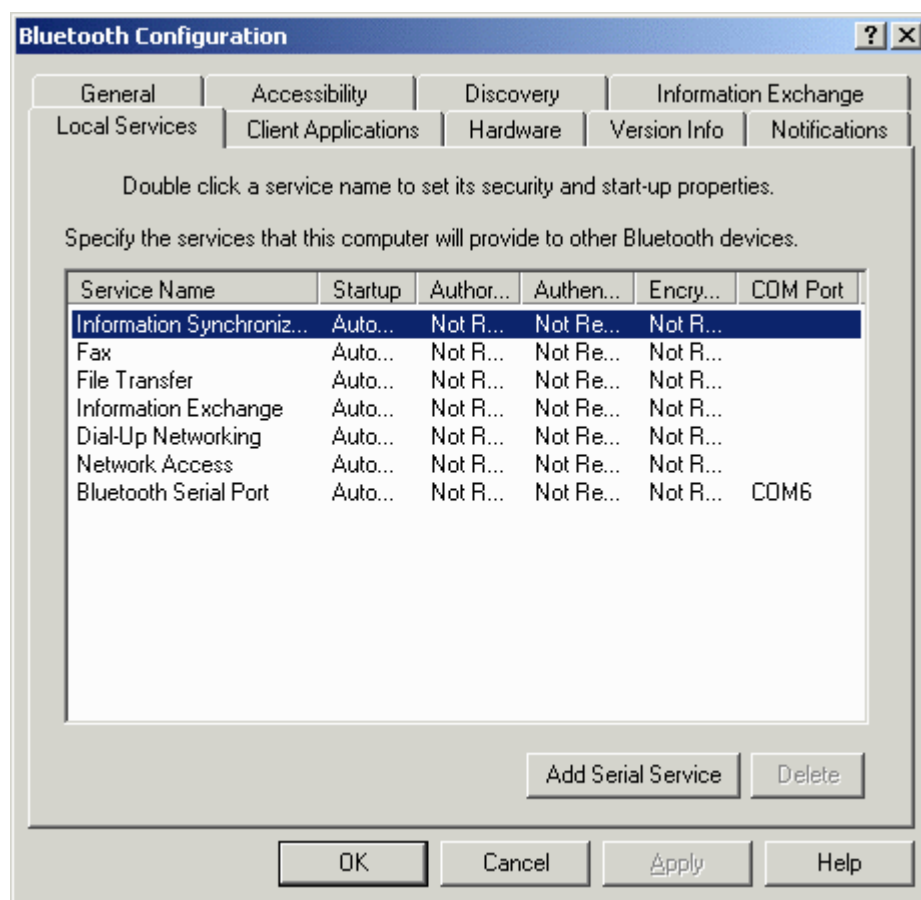
(6) On the **client** side, open HyperTerminal. Choose the COM port used by the Serial connection in step 4.



(7) Set the baud rate and other settings as required.



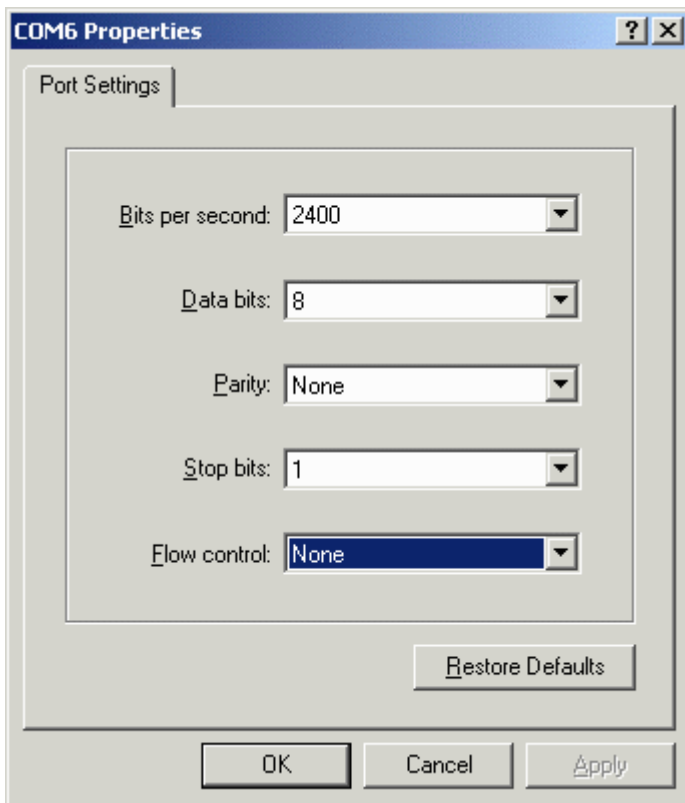
(8) On the **server** side, check the local COM port used by the system in the Bluetooth Configuration window (e.g. COM6).



(9) Open HyperTerminal, choose the COM port used by the system in step 8.

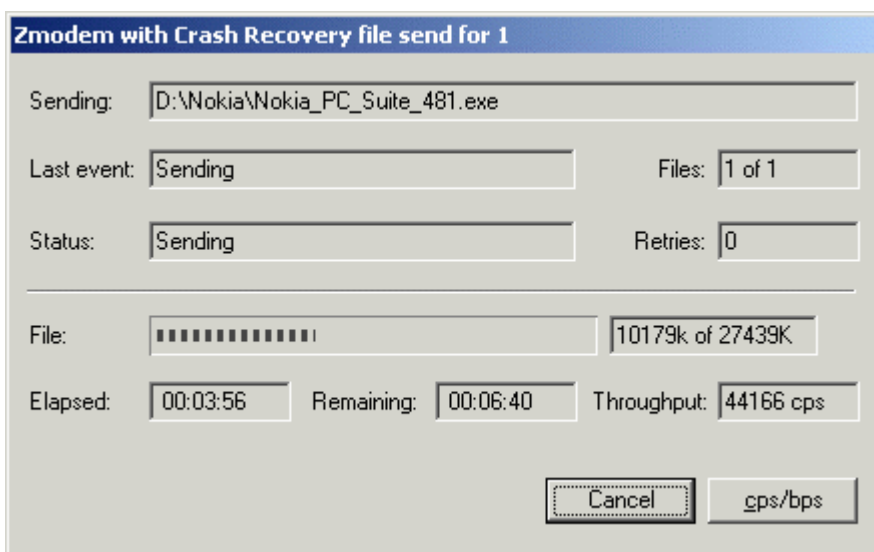


(10) Set the baud rate and other settings as required.



(11) The HyperTerminal connection should now be established. Type something on the client side and the same thing will appear on the server.

(12) To transfer files, select "Send File" from the menu bar of the client system, and select the file you wish to transfer.



Client window

The screenshot shows a window titled "Zmodem with Crash Recovery file receive for 1". It contains several input fields and status indicators:

- Receiving:** NOKIA_PC_SUITE_481.EXE
- Storing as:** C:\NOKIA_PC_SUITE_481.EXE
- Files:** 1 of 1
- Last event:** Receiving
- Retries:** (empty field)
- Status:** Receiving

Below the status section, there is a progress bar for the file. The label "File:" is followed by a bar with 10 segments, 9 of which are filled. To the right of the bar, it says "10401k of 27439K".

At the bottom, there are three fields: "Elapsed:" with "00:04:00", "Remaining:" with "00:06:33", and "Throughput:" with "44322 cps".

At the very bottom, there are three buttons: "Cancel", "Skip file", and "cps/bps".

Server window

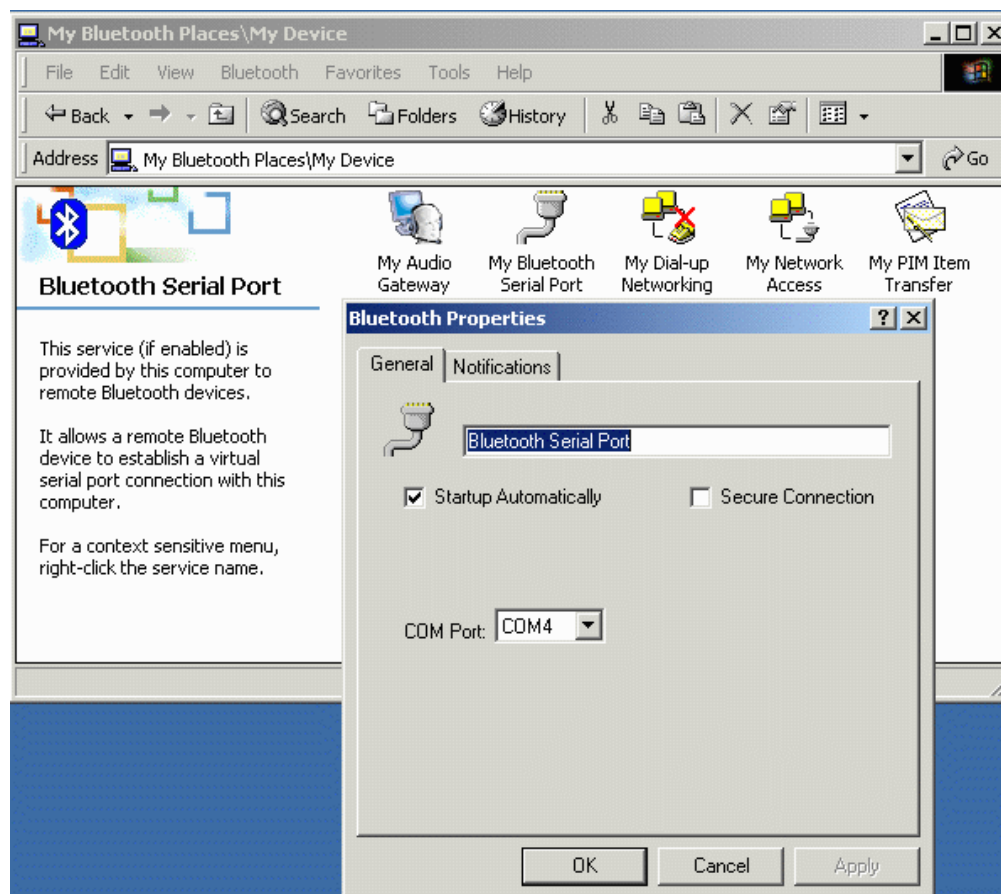
(13) The received file should be placed on the C: drive of the server system (default location).

How to HotSync with Palm Bluetooth SDIO and Tungsten T

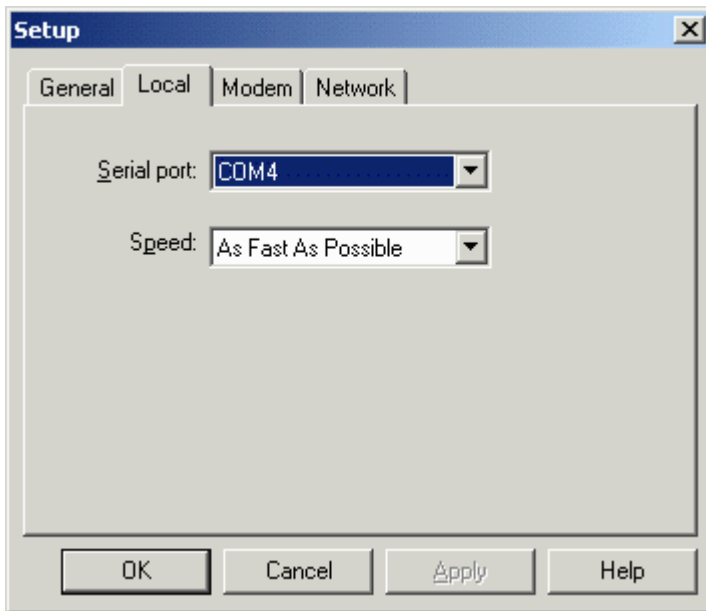
Please make sure you have installed Bluetooth software and Palm Desktop on your notebook or desktop PC before proceeding to the setup instructions below.

- (1) From the Palm main panel, tap the HotSync icon.
- (2) Tap HotSync and select "Connection Setup" from the menu bar.
- (3) Tap "New".
- (4) Give the new connection a name, e.g. BTConnection.
- (5) Change "Connect to:" to "PC".
- (6) Change "Via:" to "Bluetooth".
- (7) The "Device:" option will pop up, tap to find the Bluetooth system you wish to HotSync with.
- (8) Select the Bluetooth system you wish to HotSync with and tap OK.
- (9) Tap "Yes" when prompted with "Do you want to add *** to your trusted device list?".
- (10) Key in the same passkey on Palm and your notebook or desktop PC to complete the pairing process.
- (11) Tap "OK" and "Done" to return to the HotSync panel
- (12) Tap the dropdown menu to select the Bluetooth connection you have just created.
E.g. BTConnection

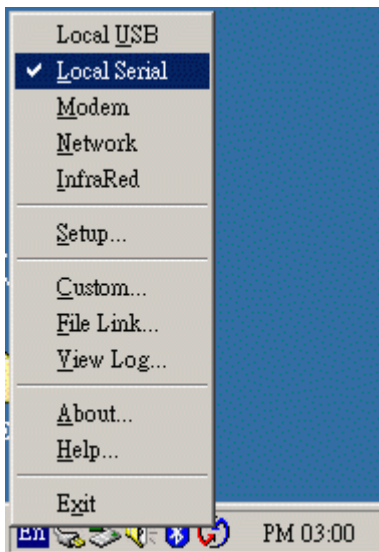
(13) From the notebook, find out the local COM port used by "Bluetooth Serial Port", e.g. COM4. (My Bluetooth Places->My Device, right click My Bluetooth Serial Port and select Properties)



(14) Change the COM port setting in Palm HotSync to match the COM port found in step 11, e.g. COM4.



(15) Change the connection type to "Local Serial" in the HotSync Manager.



(16) Tap the HotSync silk button on Palm, and the HotSync process should begin in a few seconds.

How to dial-up from Palm Tungsten T to my PC's modem to surf the Internet

- (1) Enable Bluetooth on your PC and make sure you can dial up to the ISP with your modem.
- (2) On your Palm, in the main panel, tap "Prefs", select "Communication", and select "Network".
- (3) Tap "New" button.
- (4) Key in a new name for "Service:", e.g. pcmodem.
- (5) Key in the "User Name:"
- (6) Key in the "Password:"
- (7) Tap on "Connection" and select "Edit Connections..." to create a new connection setup.
- (8) Tap "New" button.
- (9) Key in a new name for "Name:", e.g. btmodem
- (10) Tap on "Connect to:" and select "Modem"
- (11) Tap on "Via:" and select "Bluetooth"
- (12) Tap on "Device:", wait for your PC to be found
- (13) Select your PC and tap "OK"
- (14) Palm will ask you to add your PC to the trusted device list, tap "Yes"
- (15) Key in a numeric passkey, e.g. 1, and tap "OK"
- (16) Type in the same passkey on your PC, now the pairing process is complete
- (17) Make sure "Dialing:" is set at "Touch Tone"
- (18) Tap the "OK" button and "Done" to return to the Network page
- (19) Tap on "Connection:" and select the connection setup you've just created
- (20) Tap on "Phone:" and enter the phone number of your ISP
- (21) Tap the "Connect" button and the modem on your PC should start dialing
- (22) Once connected, launch a web browser and you should be surfing the Internet.

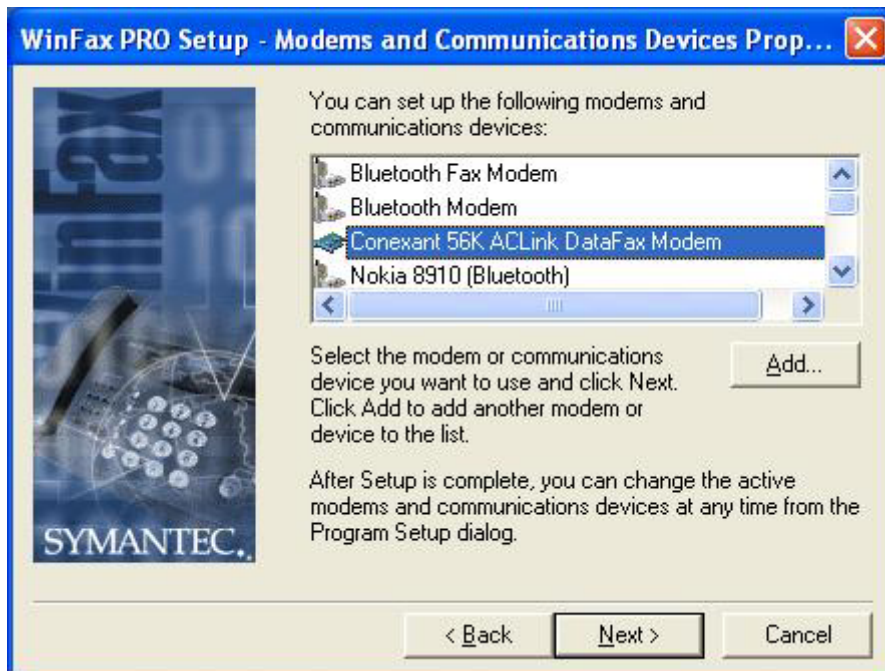
Sending FAX via mobile phone with WinFax Pro

NOTE: Please make sure you have subscribed to the FAX sending/receiving feature with your mobile service provider.

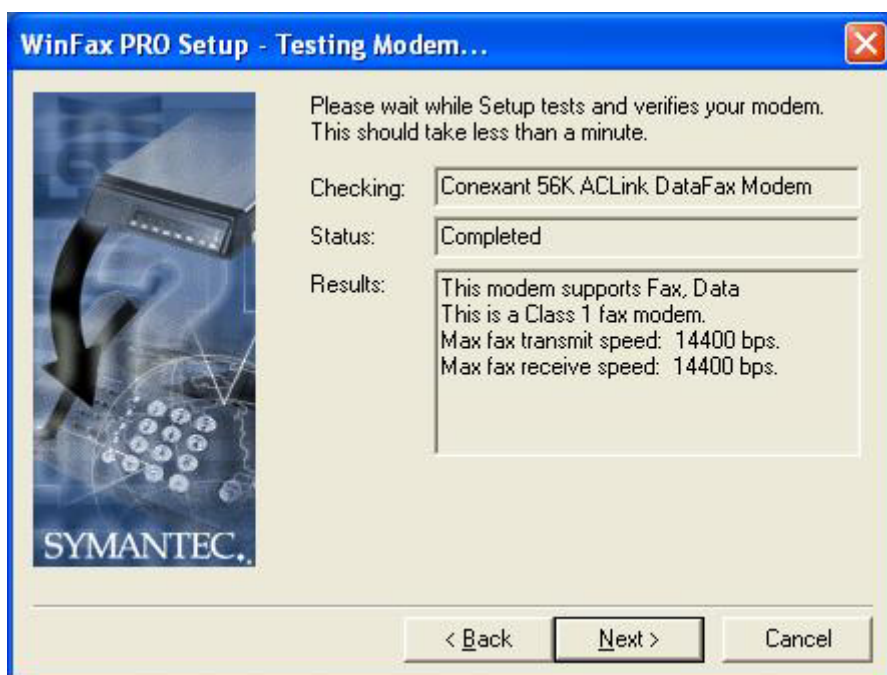
(1) Please install WinFax Pro according to WinFax Pro's installation instructions.

(2) Before installing WinFax Pro, Please make sure that your computer is connected with a physical Fax Modem.

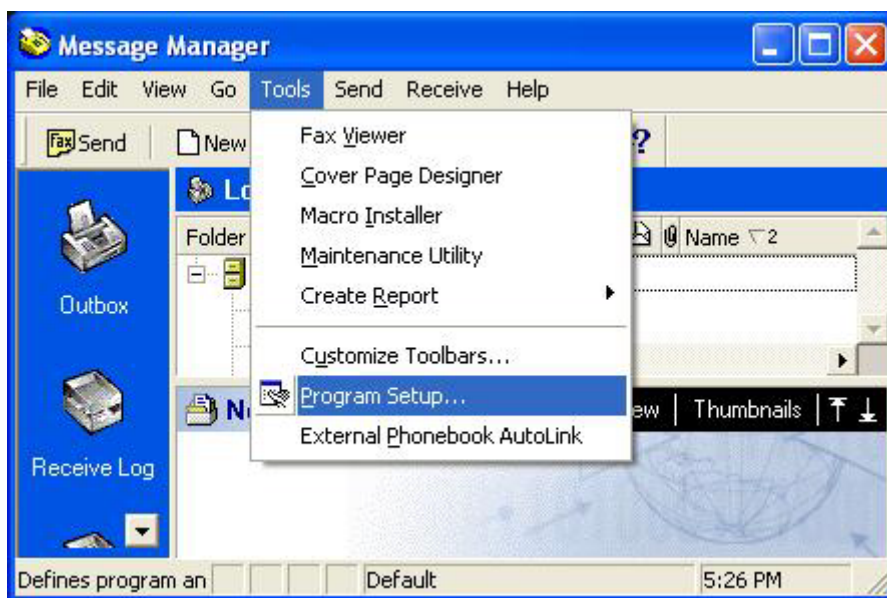
(3) After installing WinFax Pro, the following window will pop up, choose your physical modem at this stage. **Do NOT choose "Bluetooth Fax Modem".**



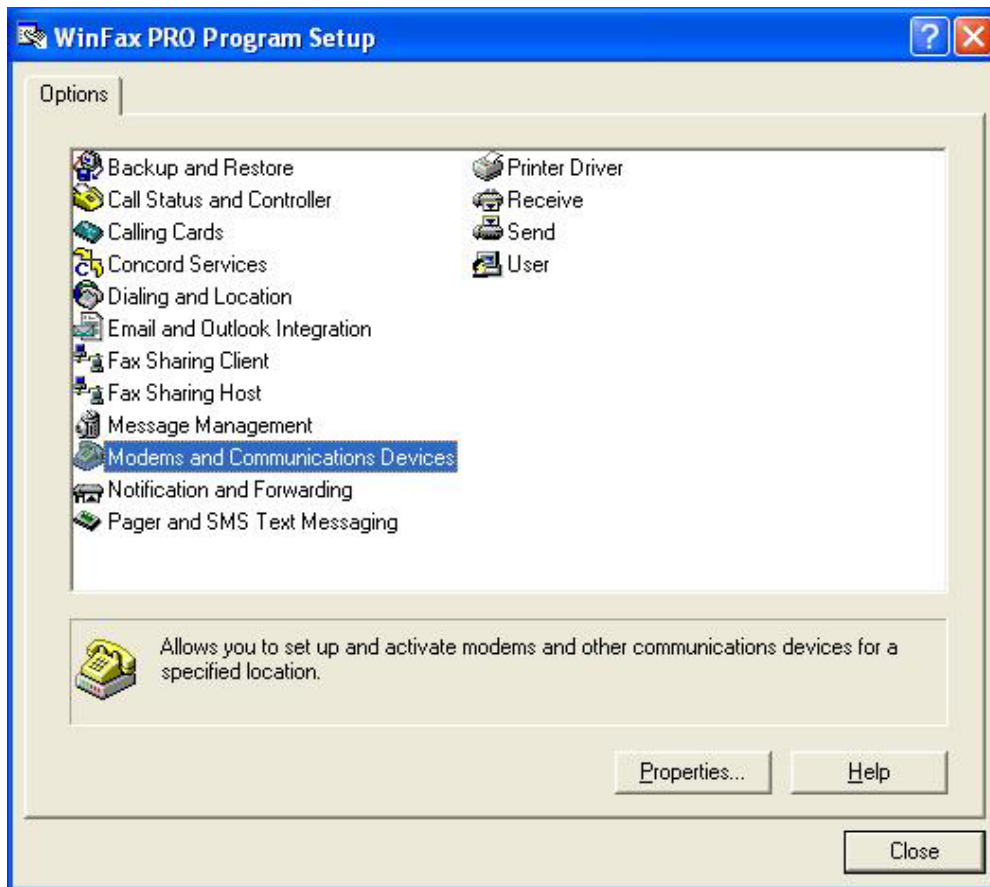
(4) WinFax Pro will start testing the Fax Modem, once it's completed, click Next to continue.



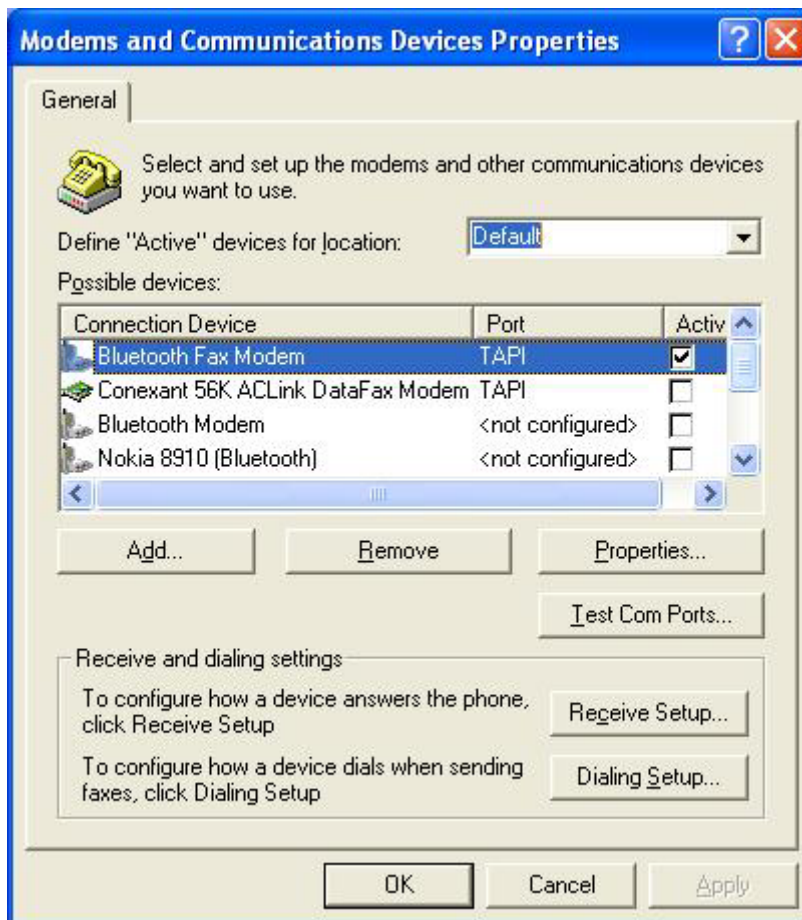
(5) After installation, launch WinFax Pro. Click on **Tools->Program Setup**.



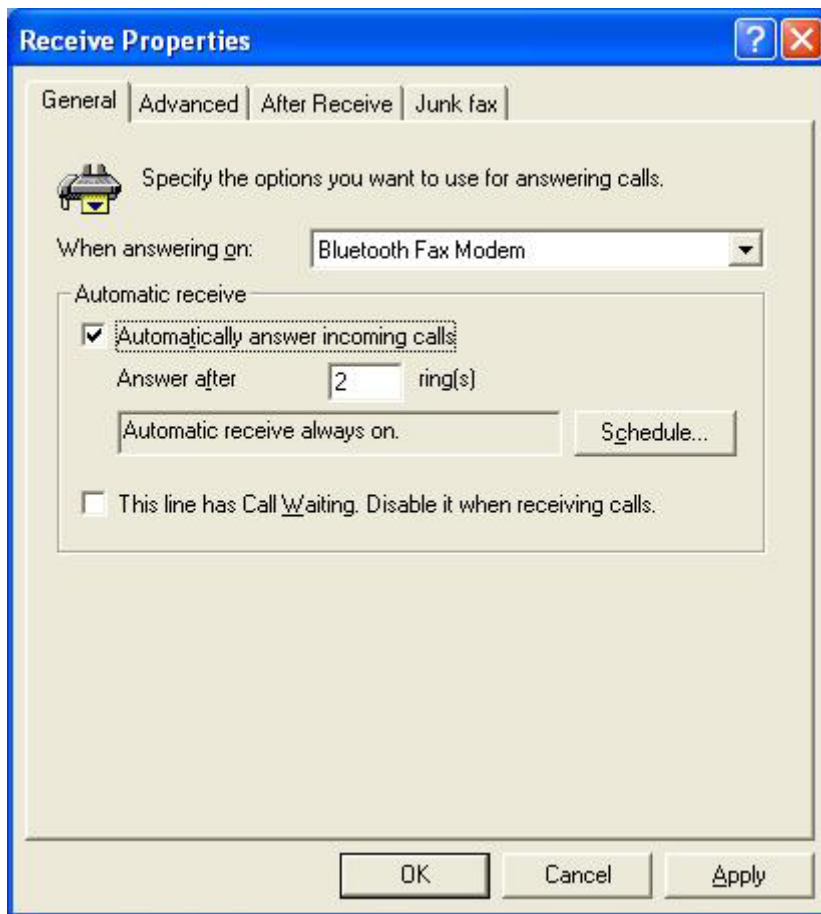
(6) Double click "Modems and Communications Devices".



(7) Tick the checkbox next to Bluetooth Fax Modem. Uncheck the checkbox next to your physical modem.



(8) Click the "Receive Setup" button, tick the "Automatically answer incoming calls" checkbox. Click "OK" to complete the process.

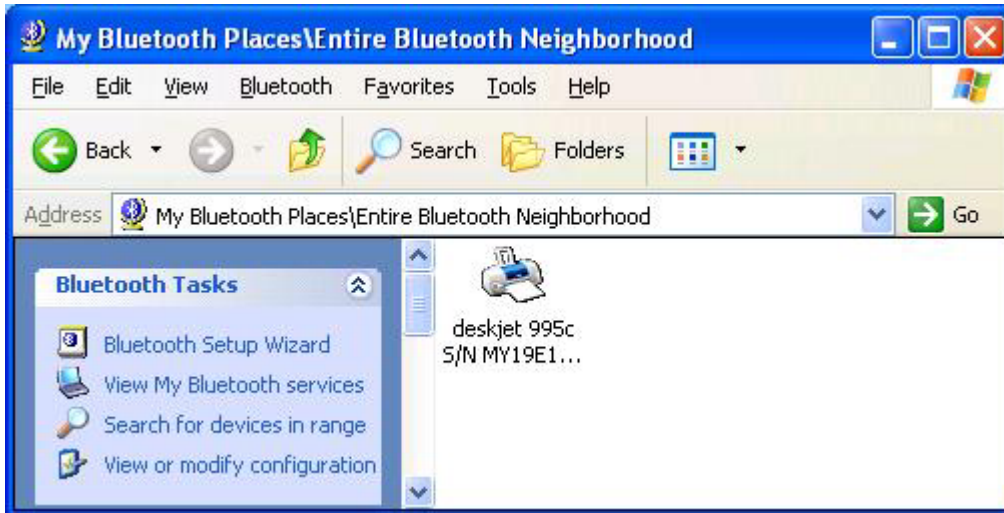


(9) Now create a new fax and click the "Send" button when done. You can now send faxes via your mobile phone.

Bluetooth Printing to HP DeskJet 995c

HCRP Connection

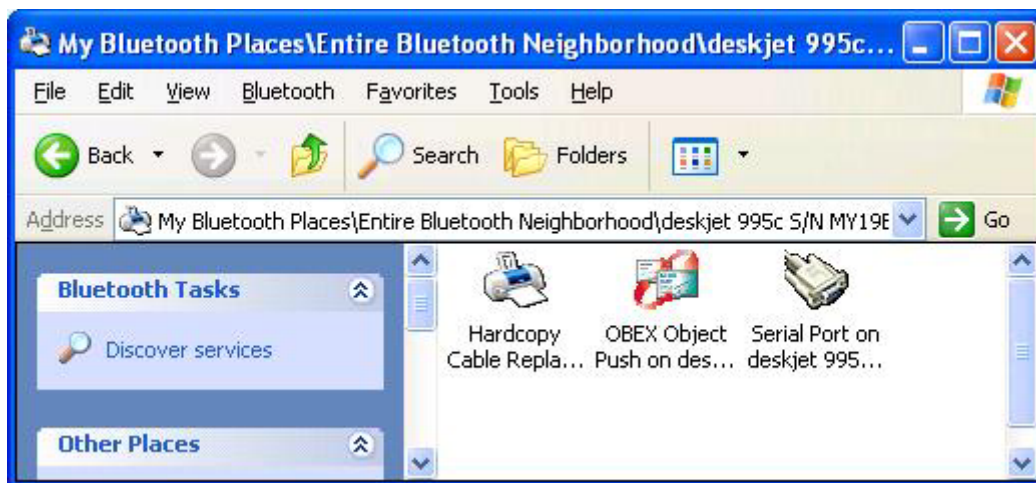
- (1) Please update the HP DeskJet 995c firmware from HP's website, so that it is HCRP supported.
- (2) Click "Search for devices in range", HP DeskJet 995c will appear in the right pane.



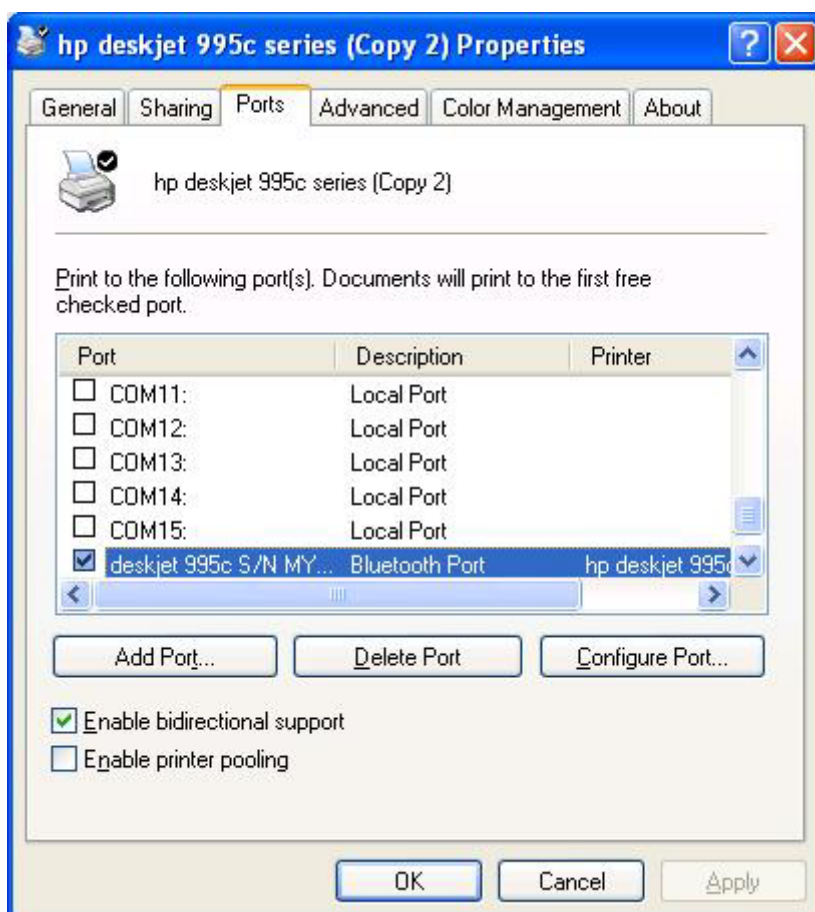
- (3) Click to select the HP Deskjet 995c icon. Click "Bluetooth" on the menu bar, and select "Discover Available Services".



(4) Three services will appear.



(5) Double click the "Hardcopy Cable Replacement" icon, and select "Ports" tab. Make sure HP DeskJet 995c is connected to a Bluetooth Port.

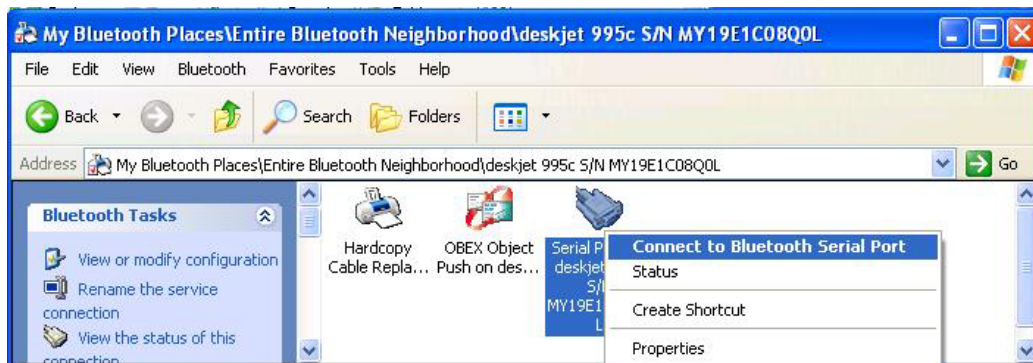


(6) You should now be able to wirelessly print a file to your HP DeskJet 995c.

SPP Connection

(1) If you don't want to update your HP DeskJet 995c to become HCRP supported, you could also connect and print via SPP connection.

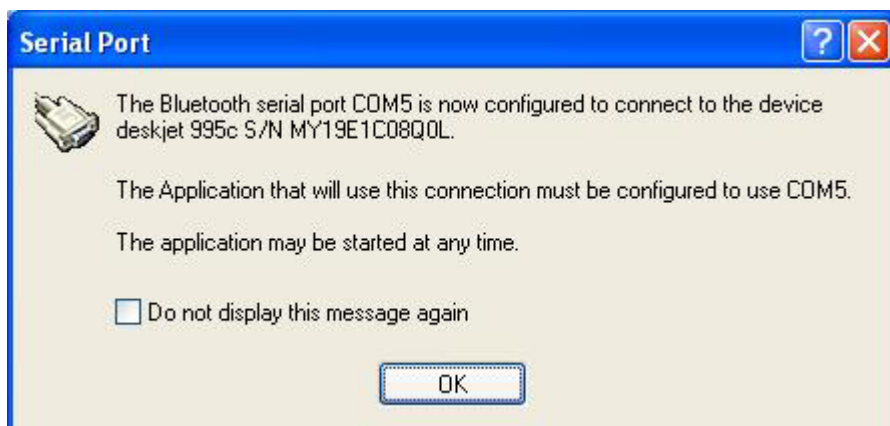
(2) Right click the "Serial Port" icon, select "Connect to Bluetooth Serial Port".



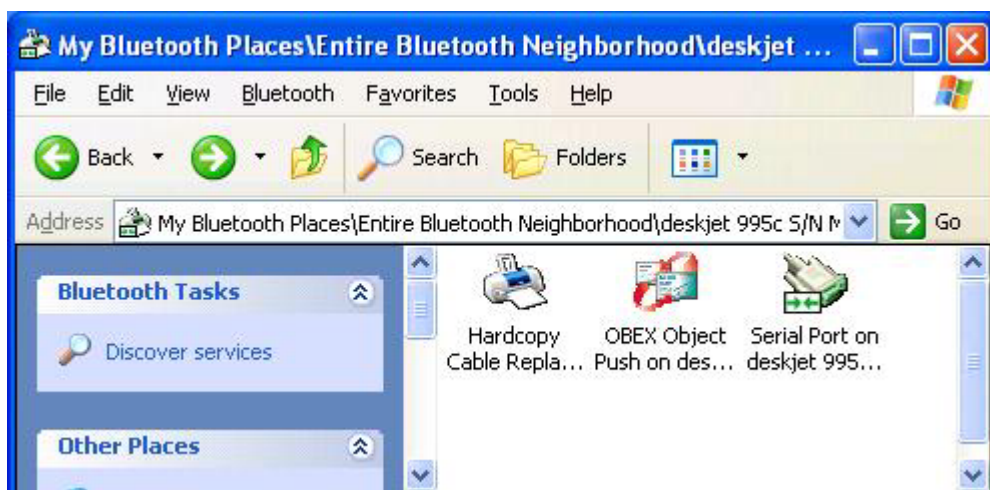
(3) A PIN Code Request dialog box will pop up, enter 0 as the default PIN Code for HP DeskJet 995c.



(4) HP DeskJet 995c is now connected with your Bluetooth enabled system. Click "OK" to continue.



(5) The Serial Port icon will change to green, indicates that the Bluetooth connection is on.

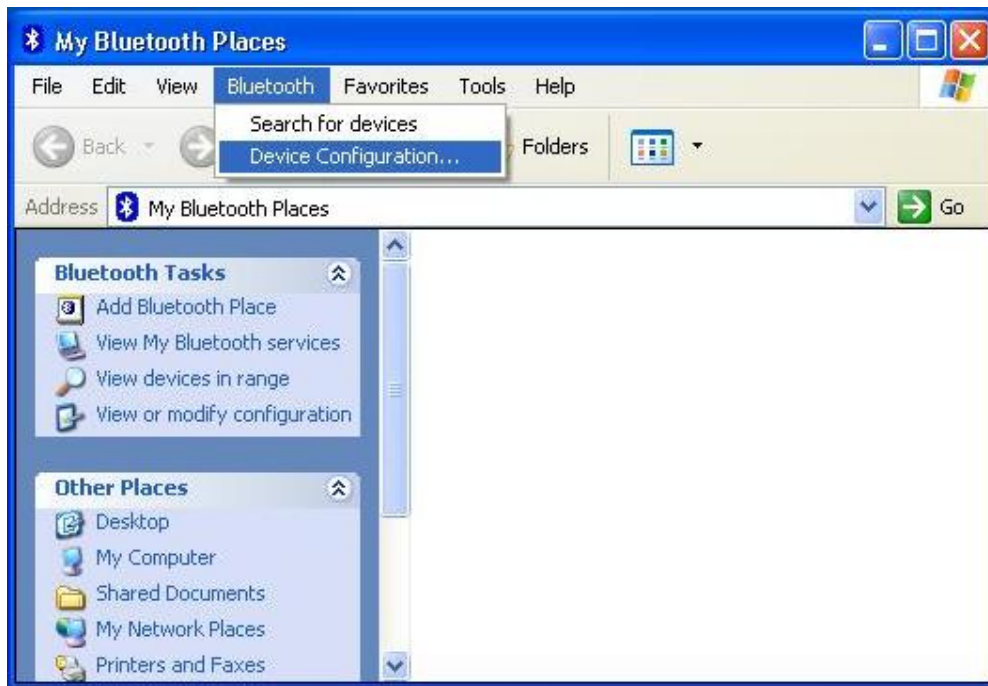


(6) You should now be able to wirelessly print a file to your HP DeskJet 995c.

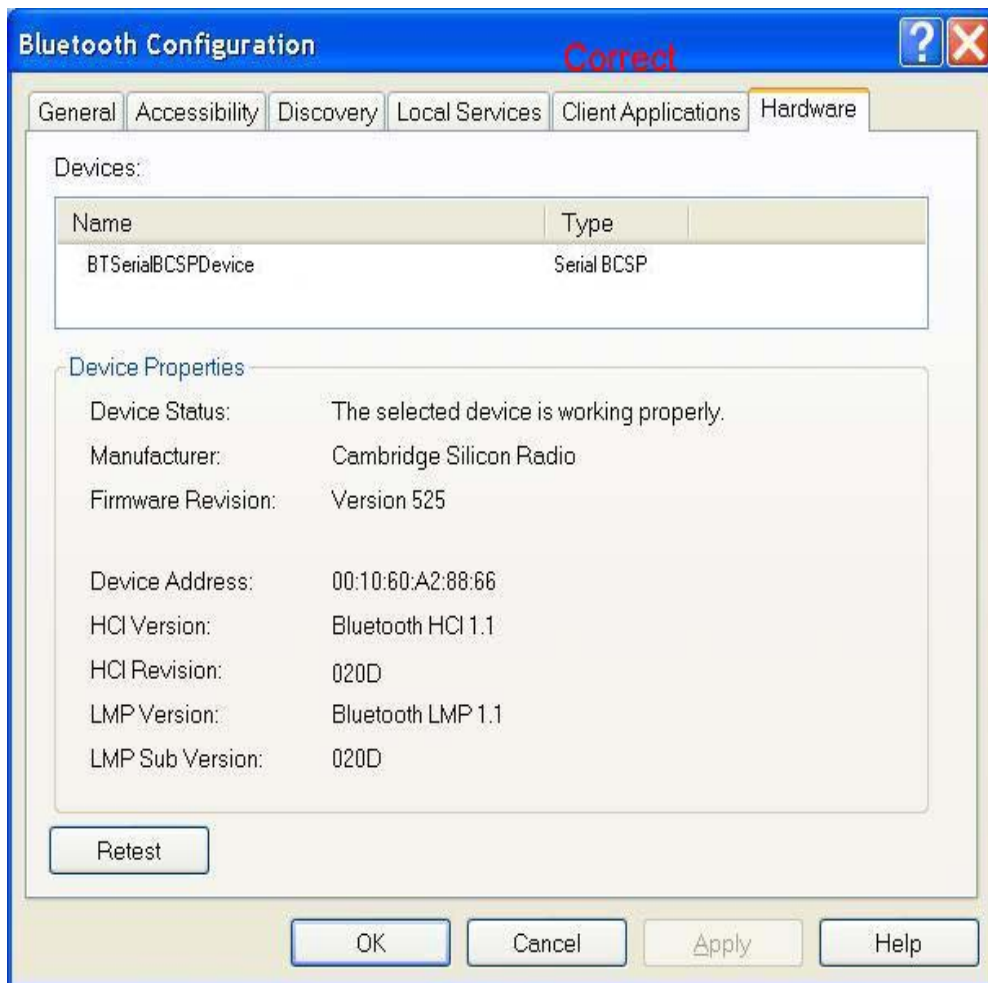
Troubleshooting

Q1: Why couldn't my Bluetooth device find any nearby Bluetooth devices?

A1: (1) Please check that your Bluetooth device is enabled by opening the Bluetooth Configuration window.

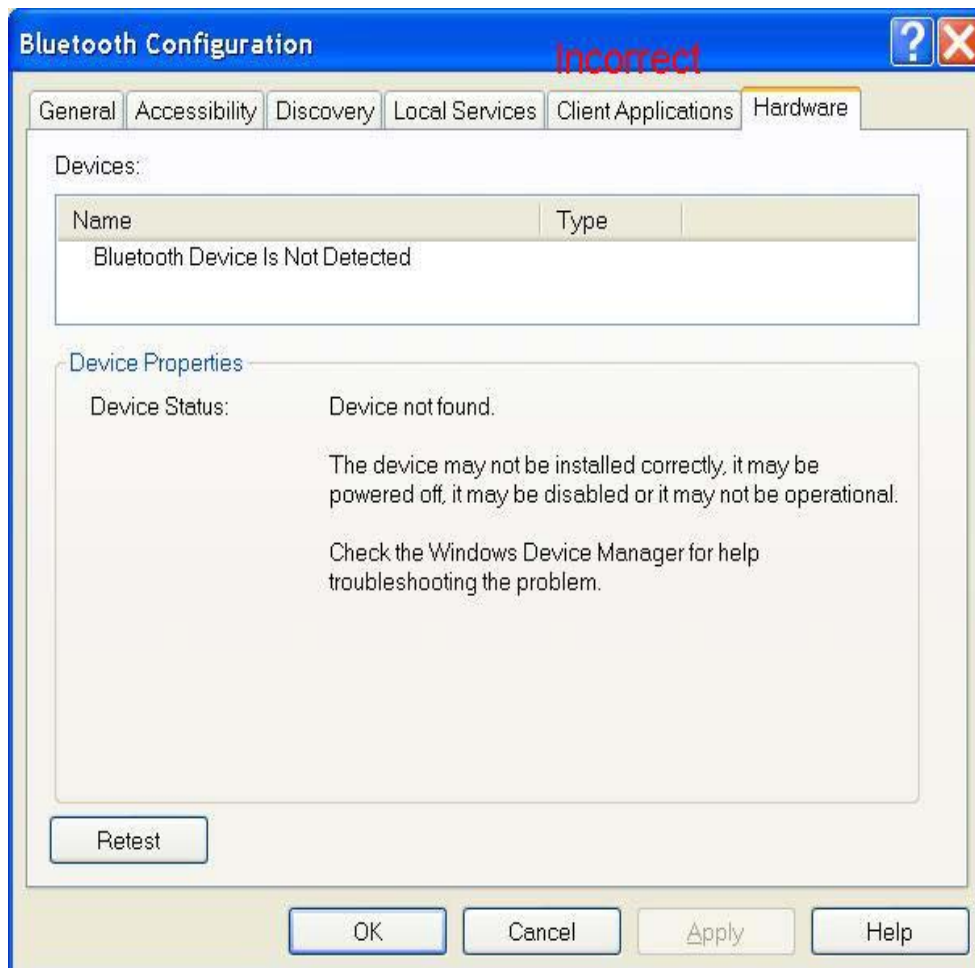


(2) If the Bluetooth device is enabled, you will see something of the following nature.



(3) Otherwise, for USB Bluetooth adapter, please unplug then plug in the USB Bluetooth adapter to enable the device.

For CF and PCMCIA Bluetooth card, please reboot the system with the CF/PCMCIA Bluetooth card securely inserted in the PCMCIA slot.



Q2: Why can't I transfer files from Nokia 7650 to my PC?

A2: If you are having trouble sending files from Nokia 7650 to your notebook or PC, follow the steps below:

(1) Execute "regedit" from the Run command (Start->Run)

(2) Locate the key:

HKEY_CURRENT_USER\Software\Widcomm\BTConfig\Services\0004, and locate the entry "Accept other".

(3) Set this key to 0x0000001.

If the "Accept other" key does not exist, simply create it with type DWORD and fill in the value.

Save and exit Regedit. Reboot if necessary, now you should be able to send files from Nokia 7650 to your notebook or PC.

Q3: How come some devices within the connection range may not show up in the list of devices found?

A3: Your device is configured to report only specific types or classes of devices (Bluetooth Configuration Panel > Discovery tab, on your device). The unlisted device is configured to be non-discoverable (Bluetooth Configuration Panel > Accessibility tab, on the un-listed device).

Q4: Cannot connect to a paired device.

A4: Paired devices are always displayed in My Bluetooth Places, even if the remote device is out of range or not powered up.

Verify that the remote member of the pair is within radio range, and powered up, and then attempt the connection again.

Q5: Cannot discover services on an un-paired remote device

A5: The remote device may not be powered up or may be out of range.

- Verify that the remote device is powered up.
- Verify that the remote device is in Connectable mode (Bluetooth Configuration Panel > Accessibility tab).
- Perform a Search for Devices to verify that the device is within range.

Q6: Dial-up networking service does not start.

A6: The Dial-up Networking service will not start unless a properly configured modem is attached to the server.

- Verify that the modem is usable as a local device on the computer to which it is attached. In the Bluetooth Configuration Panel→Local Services tab→ double-click the Dial-up Networking service→Click the down arrow in the Modem field and select the modem that will be used to dial out, click the **OK** button to close the Bluetooth Configuration Panel.

Q7: Determine the Bluetooth device address (BDA) of my hardware device.

A7: In the Bluetooth Configuration Panel, on the Hardware tab, in the Devices section, select the device you want to determine the address of. In the Device Properties section of the dialog box, the fourth entry, Device Address, is the BDA of the selected Bluetooth device.

Q8: Determine the version of the host controller interface (HCI)

A8: In the Bluetooth configuration panel, on the hardware tab, in the device properties Section, the fifth entry provides Bluetooth specification compliance information for the host controller interface.

The sixth entry contains the specification revision information for the host controller Interface, if appropriate.

Q9: Determine the version of the link manager protocol (IMP)

A9: In the Bluetooth configuration panel, on the hardware tab, in the device properties section, the seventh entry provides link manager protocol version number information. The eighth entry contains the link manager protocol sub-version number information, if appropriate.

Q10: How to find information about the Bluetooth hardware attached to my computer?

A10: In the Bluetooth configuration panel, select the hardware tab.

Q11: Internet connection sharing does not work

A11: This occurs because Internet connection sharing was enabled when Bluetooth was installed (this is a Microsoft windows behavior and is considered proper operation). To resolve the “problem”:

1. Disable sharing for the Ethernet adapter:

- a) Windows control panel > network and dial-up connections
- b) Right-click “local area connection,” select properties, and then select the Sharing tab.
- c) Clear (uncheck) the box for “enable internet connection sharing for this “Connection” and click ok.

2. Re-enable sharing for the Ethernet adapter; repeat step 1.c.), and select (check) the sharing box.

If offered an option to select an adapter, select “Bluetooth network adapter” (this option will not appear unless more than one adapter is available.) If asked to reboot the computer, do so.

Q12: Test a network access connection.

A12: If the client is hardwired to the LAN, unplug the hardwired connection to ensure that the Test checks the wireless connection rather than the hardwired connection.

If the server has access to the Internet, open a browser on the client and connect to the World Wide Web.

You may also ping the server from the dos prompt.

Q13: Unknown port message when using a Bluetooth serial port.

A13: The “unknown port” error message usually means an attempt was made to connect a port that was in use. Additional Bluetooth serial ports can be added if they are required.

A14: Bluetooth headset doesn't always function under Win98.

Q14: Windows 98 cannot convert audio files with the extension m3u (e.g., myfile.m3u) into the pulse code modulation (pcm) audio format used by Bluetooth headsets; this is a limitation of windows 98.

Other versions of windows (2000, me and XP) can translate m3u audio files into the pcm format.

Possible solutions are:

- Upgrade to a newer version of Windows
- Use an m3u-to-mp3 conversion utility to convert the file(s) into a format that is supported by Windows 98. (Conversion utilities are available as freeware or shareware on the Internet.)