Bluetooth User's Manual

Federal Communication Commission

StatemInterference Statementent

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:
FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is intended only for OEM integrators under the following conditions:

1)   The transmitter module may not be co-located with any other transmitter or antenna.

As long as conduction above is met, further <u>transmitter</u> test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

IMPORTANT NOTE: In the event that these conditions <u>can not be met</u> (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID <u>can not</u> be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

The final end product must be labeled in a visible area with the following: **"Contains TX FCC ID:NLF-MUBTC2-CLEVO "**

Manual Information That Must be Included

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the users manual of the end product which integrate this module.

The users manual for OEM integrators must include the following information in a prominent location " IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements. The antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

# 1.Bluetooth software installation and basic operations

For CF Bluetooth card please install the driver before installing Bluetooth software, the driver can be located in BTCF of the driver CD.

For USB Bluetooth adapter please install Bluetooth software before inserting the USB adapter.
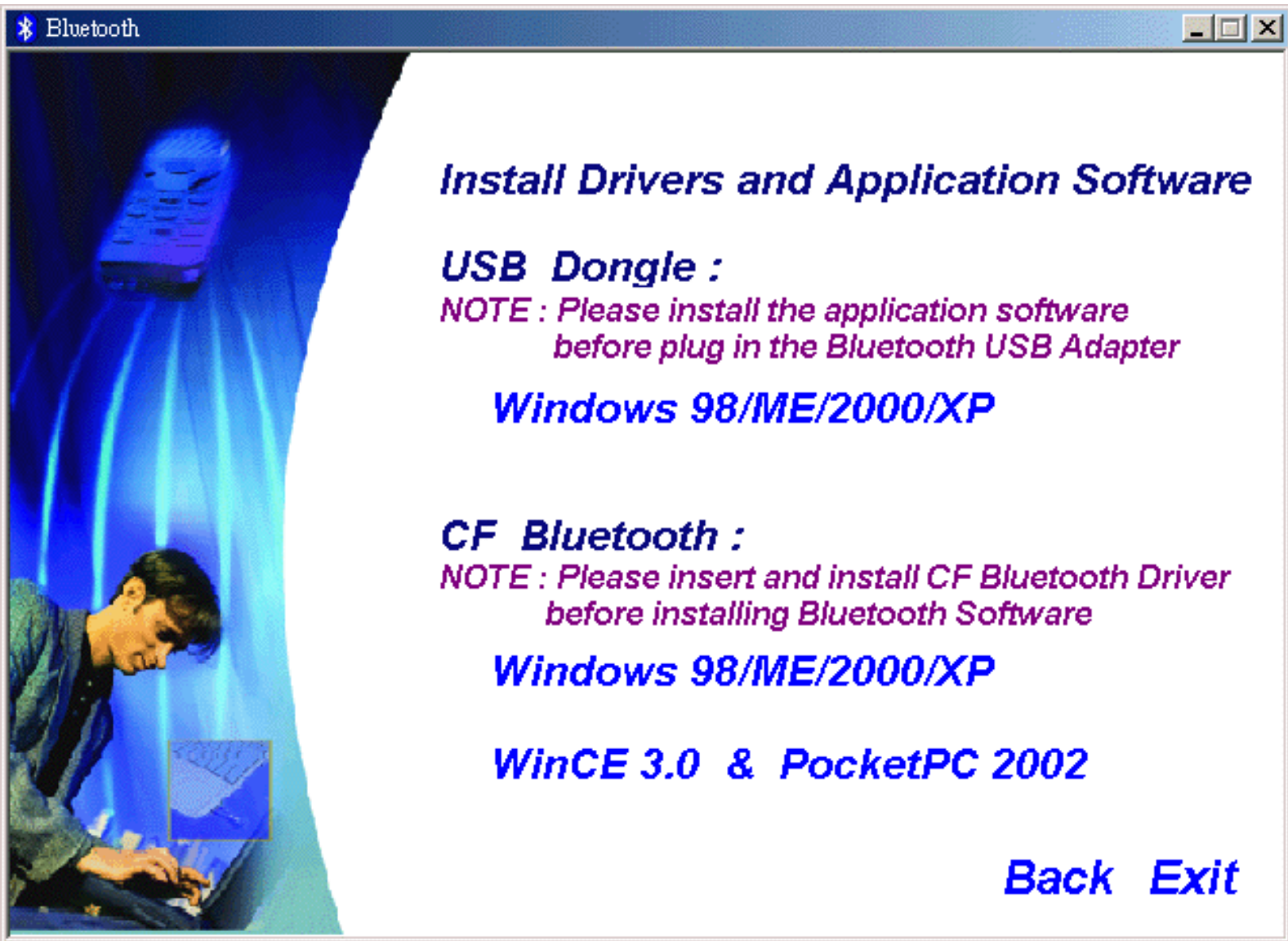
Installing Bluetooth software for Windows

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

If setup does not launch, use Windows Explorer to navigate to the appropriate CD-ROM drive and run **"Bsetup"**.
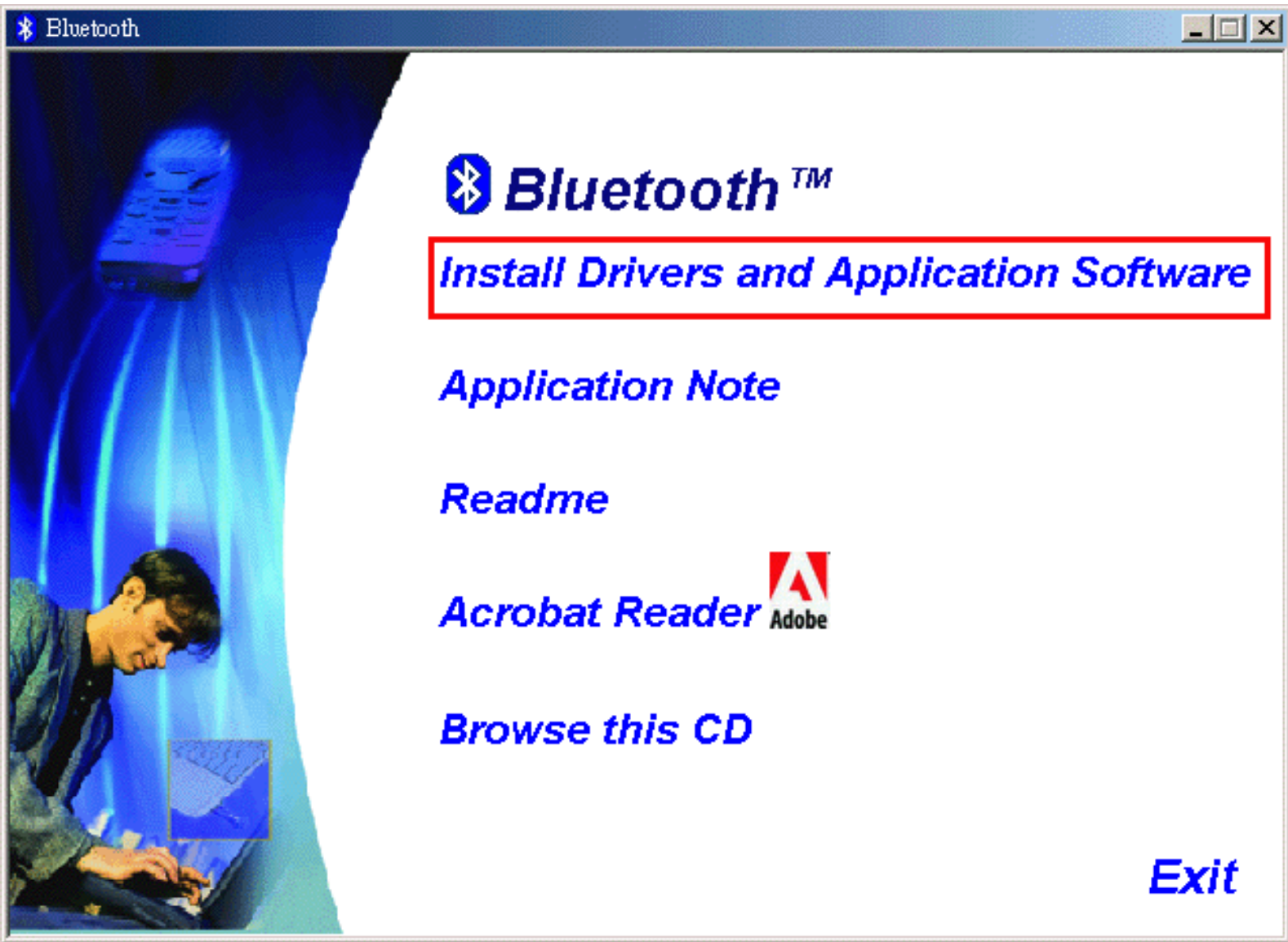
(2) Please select your device and O.S..

(3) Complete these steps to install Bluetooth software:

(4) Exit all applications.

(5) InstallShield Wizard setup dialog box will automatically be displayed. If the setup program doesn't startup automatically, manually start the setup program by double clicking Bsetup.exe.

(6) Follow the instructions on screen:

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

(8) 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.
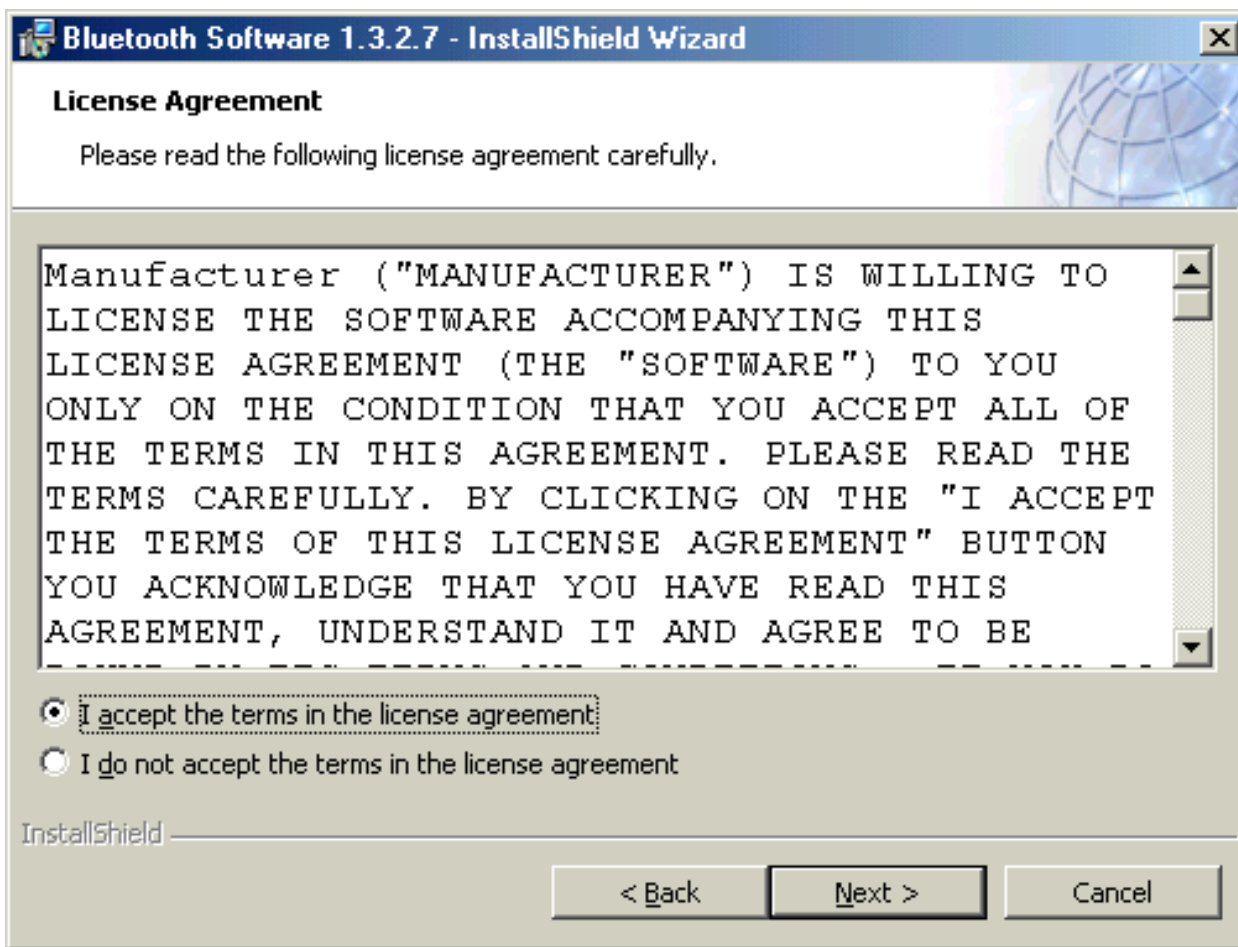
(9) You can choose the destination folder in your system, If you do not want to change the destination folder please click **Next**.
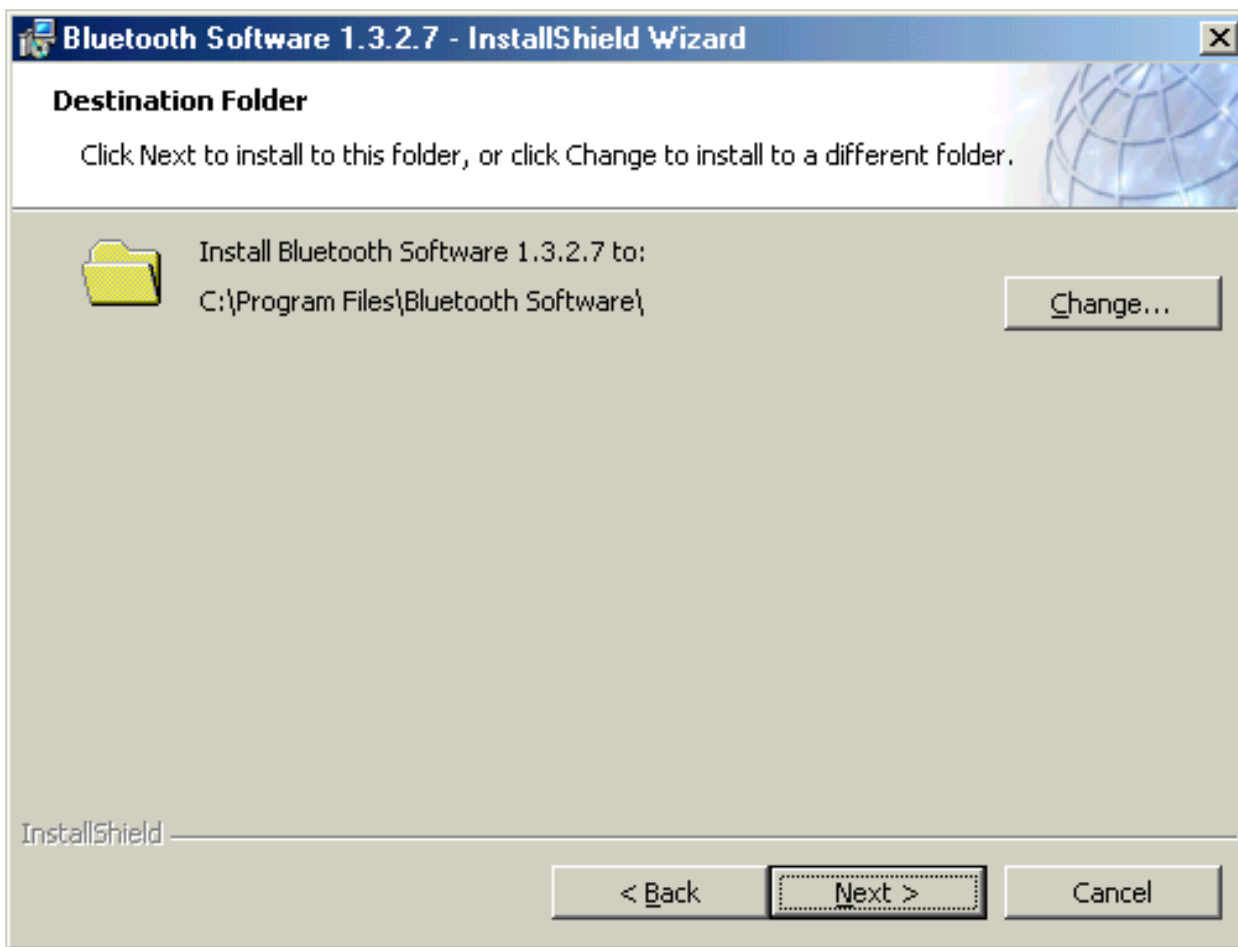
(10) On the *Destination Folder* screen, click the **Change** button to browse to a new destination folder for the Bluetooth software. Otherwise, click the **Next** button to accept the default folder.
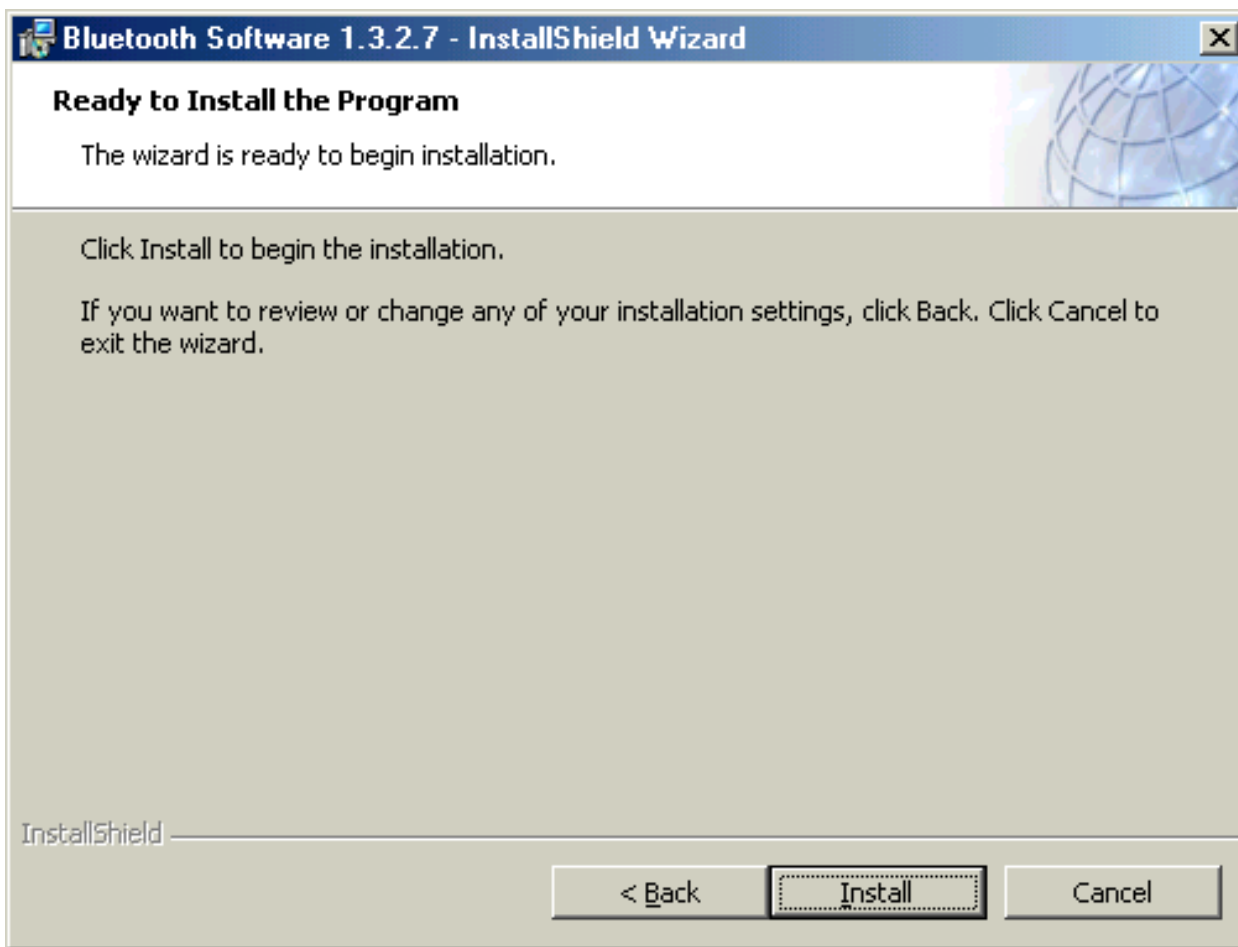
(11) The system is ready to install the Bluetooth software. If you need to review or change any settings, click the **"Back"** button. Click the **"Cancel"** button to exit the Wizard. Otherwise, click the **"Install"** button.

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

Bluetooth device not found

⚠️ No Bluetooth device was detected. Please make sure that your Bluetooth device is plugged in properly and click 'OK' to continue installation. Click 'Cancel' to continue installation without the Bluetooth device.
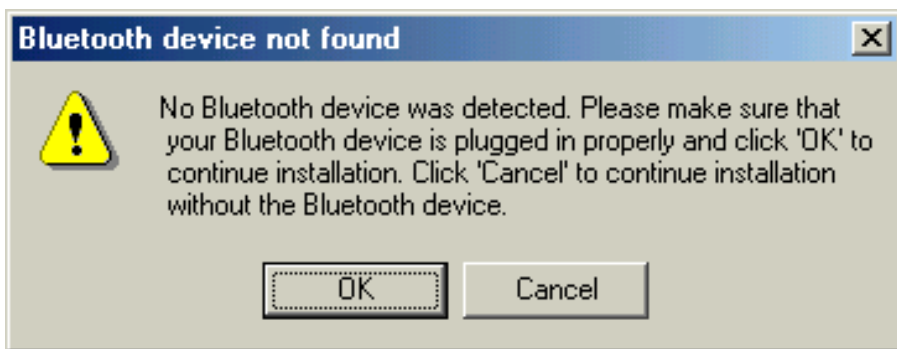
[OK]   [Cancel]

(13) During the installation, system will detected your Bluetooth device please make sure your Bluetooth device is plugged in properly and click "**OK**" to continue installation, or you can click "**Cancel**" to continue installation without the Bluetooth device.

Bluetooth Software - InstallShield Wizard

InstallShield Wizard Completed

The InstallShield Wizard has successfully installed Bluetooth Software. Click Finish to exit the wizard.

[< Back]   [Finish]   [Cancel]
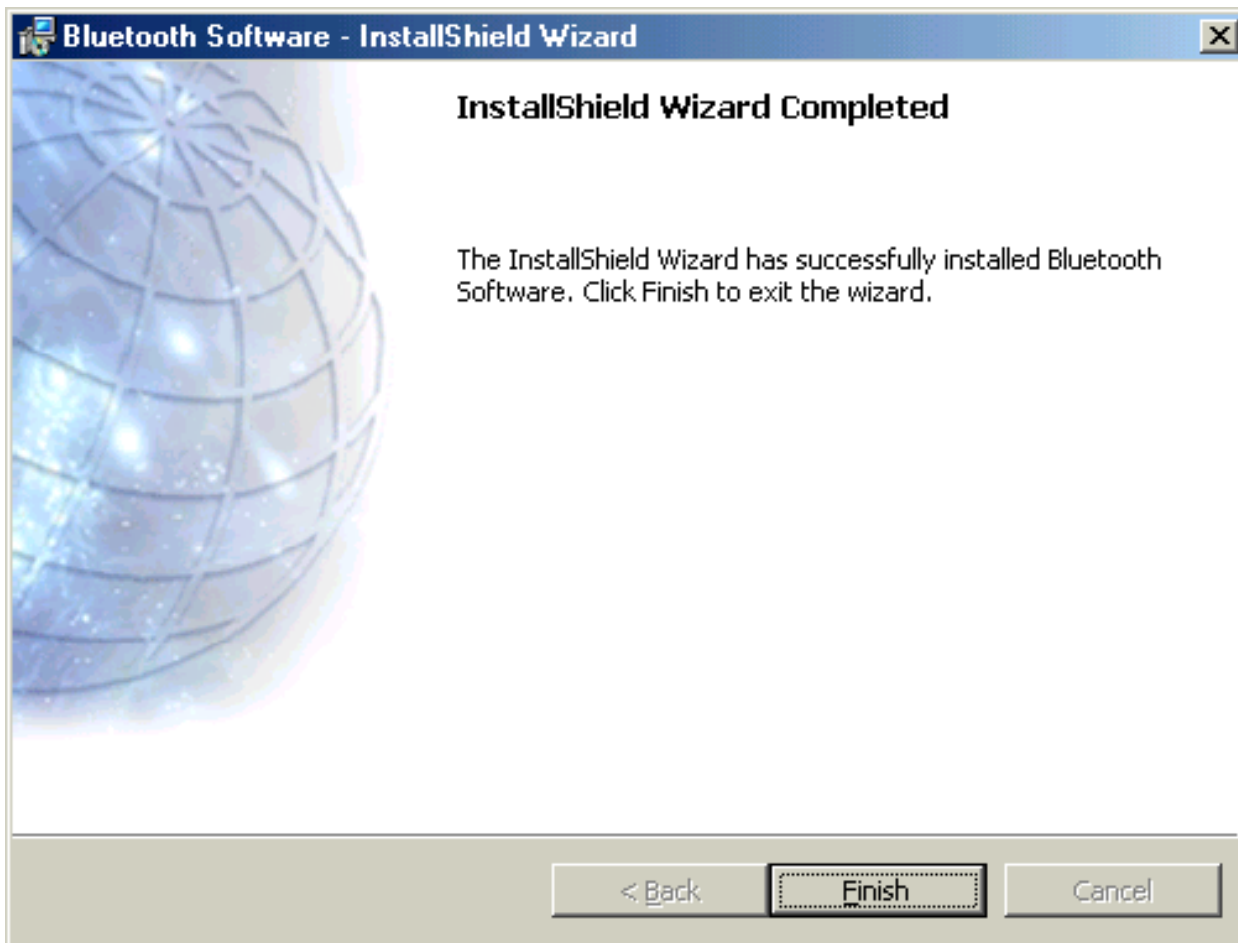
(14) Installation completed please click "**Finish**".
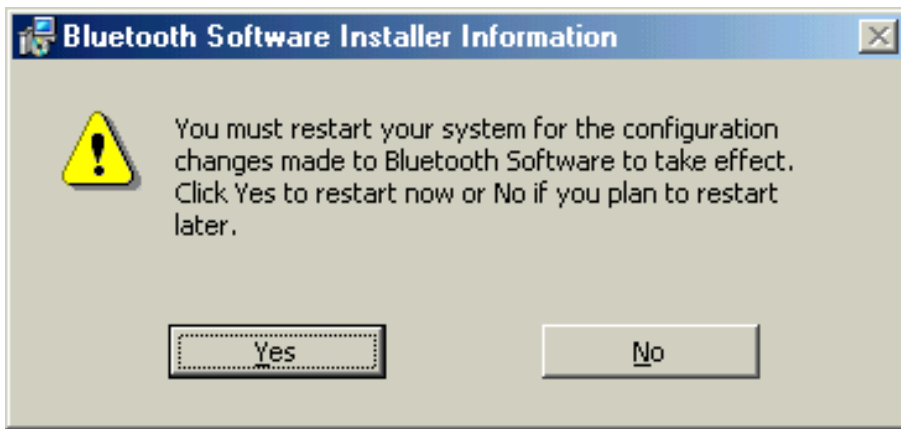
(15) Click **"Yes"** to restart your computer. If you plan to restart later, click **"No"**.

(16) After reboot and Windows comes back up again, insert your USB Bluetooth adapter into the PC's USB port, if you haven't done so during the installation, and the system will install the driver for your device automatically.

(17) Do not reboot. Your device is now ready to be used.

(18) **To start Bluetooth:** in the Windows system tray, right-click the Bluetooth icon and

select "**Start Bluetooth Device**". The Bluetooth icon is blue in color with a white insert

when Bluetooth is running.
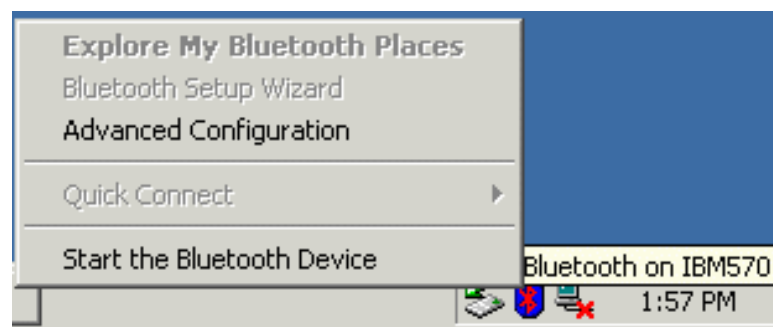
(19) **To stop Bluetooth:** in the Windows system tray, right-click the Bluetooth icon and select

"**Stop Bluetooth Device**". The Bluetooth icon is blue in color with a red insert when

Bluetooth is stopped.
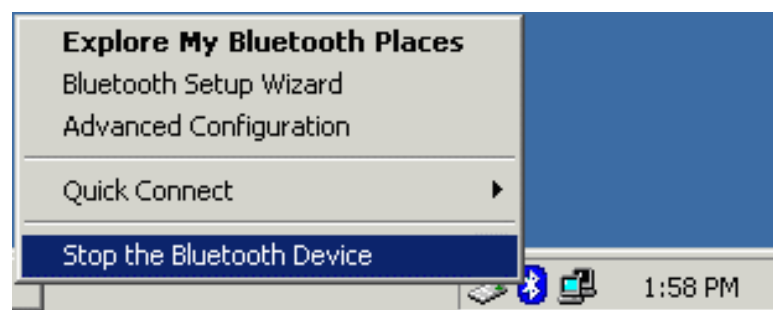
Create a connection from the Bluetooth icon in the system tray

In the Windows system tray, right-click the Bluetooth icon, select Quick Connect and

then the Bluetooth service that you wish to use.

If this computer has created a connection to the desired type of service in the past, the options on the shortcut menu are:

·   The name(s) of any device(s) with which prior connections to this type of service have been established. Select a name from the list to re-establish connection.

·   Other Devices-Select this option to search for additional devices that potentially provide the desired service, select a device from the list, and then click Connect.

If this computer has never created a connection to this type of service, the only option on the shortcut menu is "Find Devices". Select this option to search for devices that potentially provide the desired service, select a device from the list, and then click Connect.

Create a connection using the Bluetooth Setup Wizard

(1) From Bluetooth Explorer

·   Right-click My Bluetooth Places and select Bluetooth Setup Wizard or

·   From the Bluetooth menu, select Bluetooth Setup Wizard

From the Windows system tray: right-click the Bluetooth icon and select **Bluetooth Setup Wizard**.
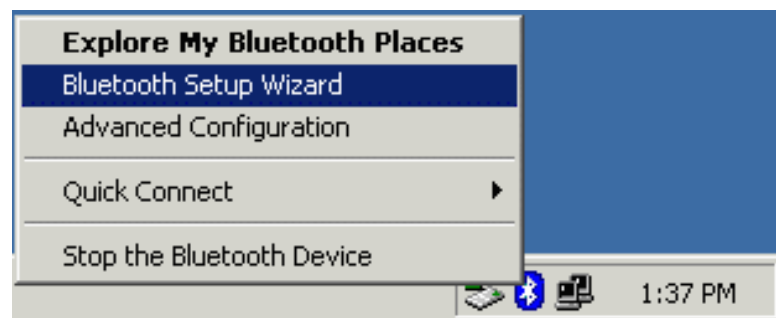
(2) The "Initial Bluetooth Configuration Wizard" will pop up. Click "Next" to the next page.
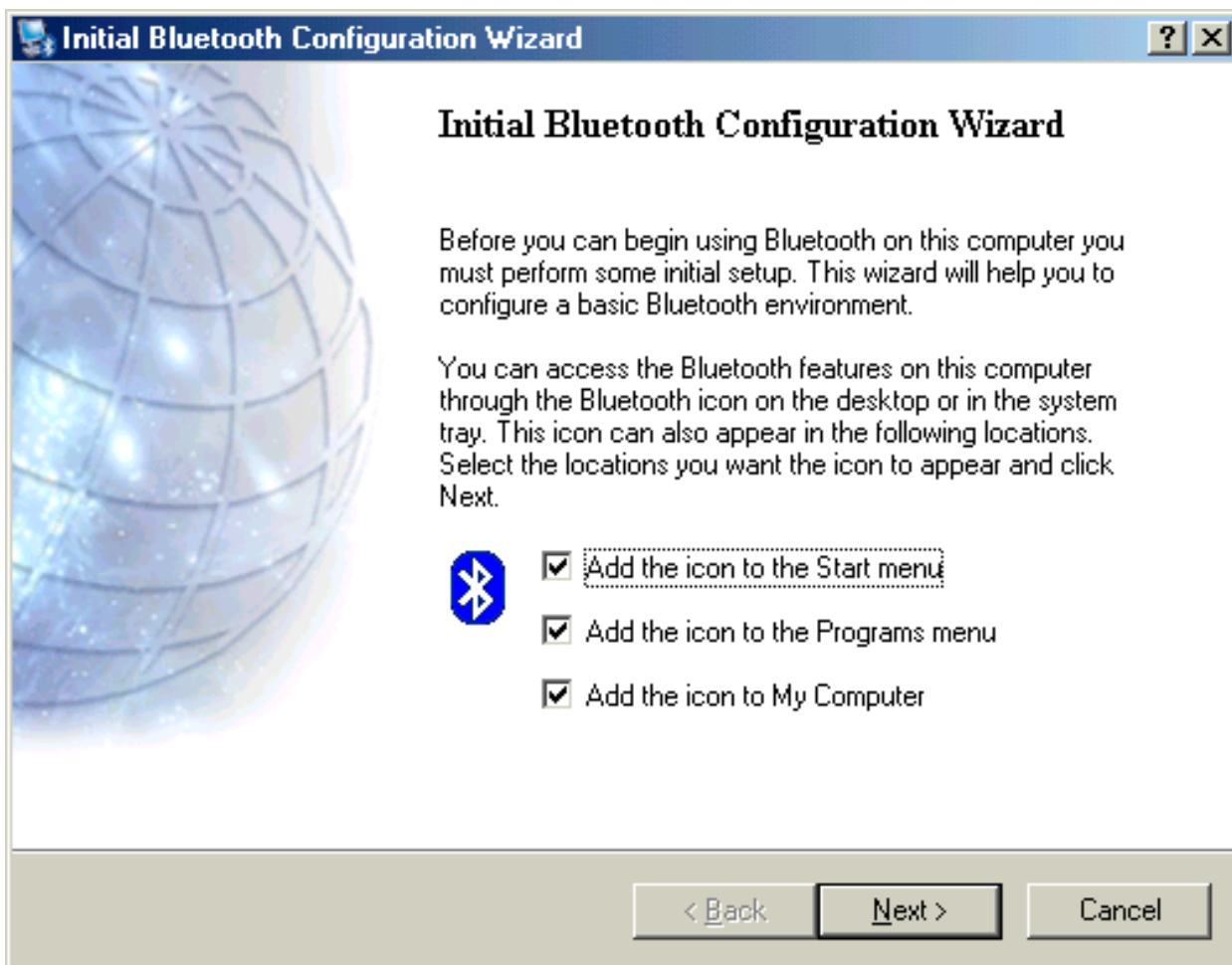
(3) Follow the wizard's on-screen instructions to configuration your Bluetooth device.
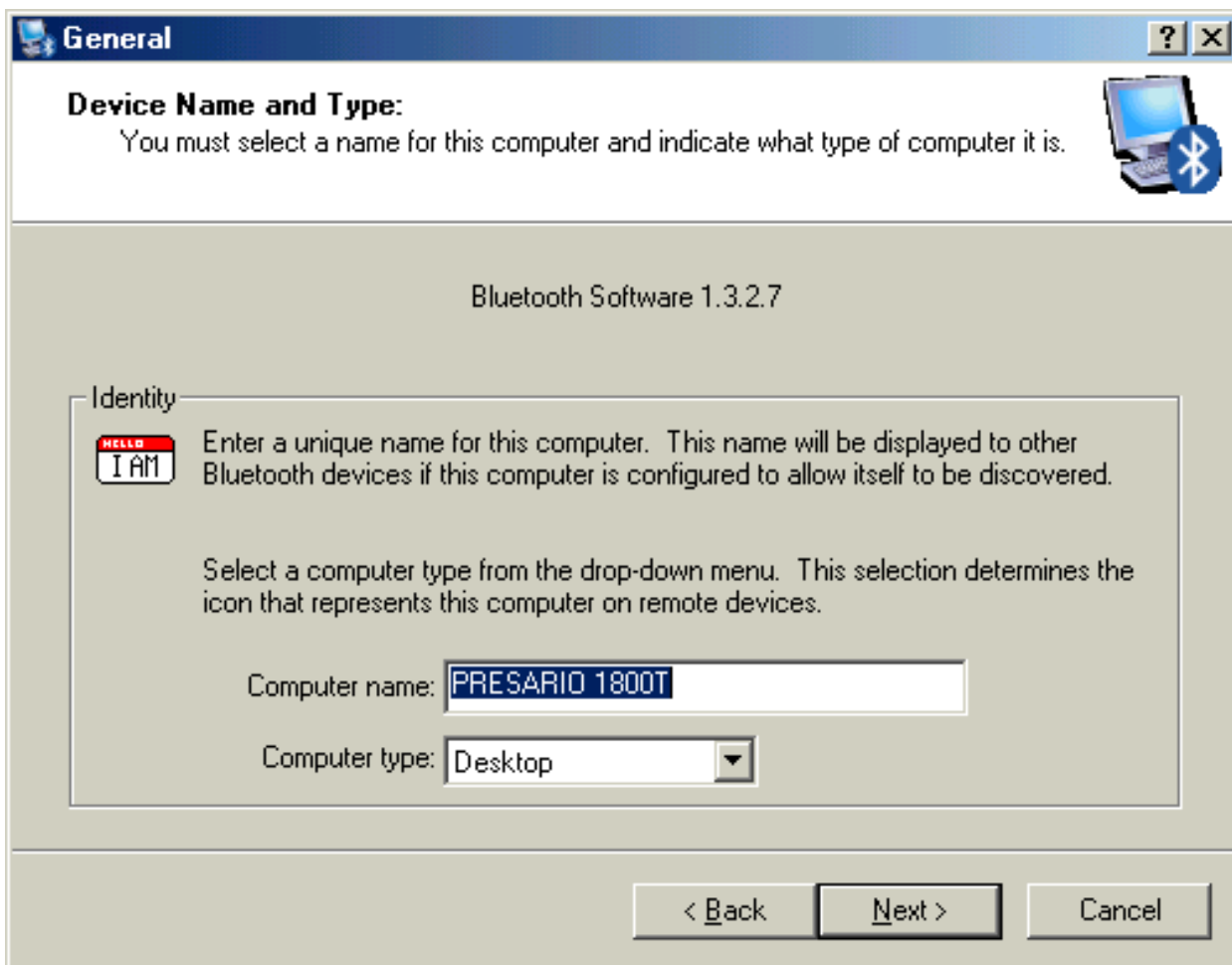
(4) Click "Next" to configure the Bluetooth service, you may skip the process by clicking "Skip".
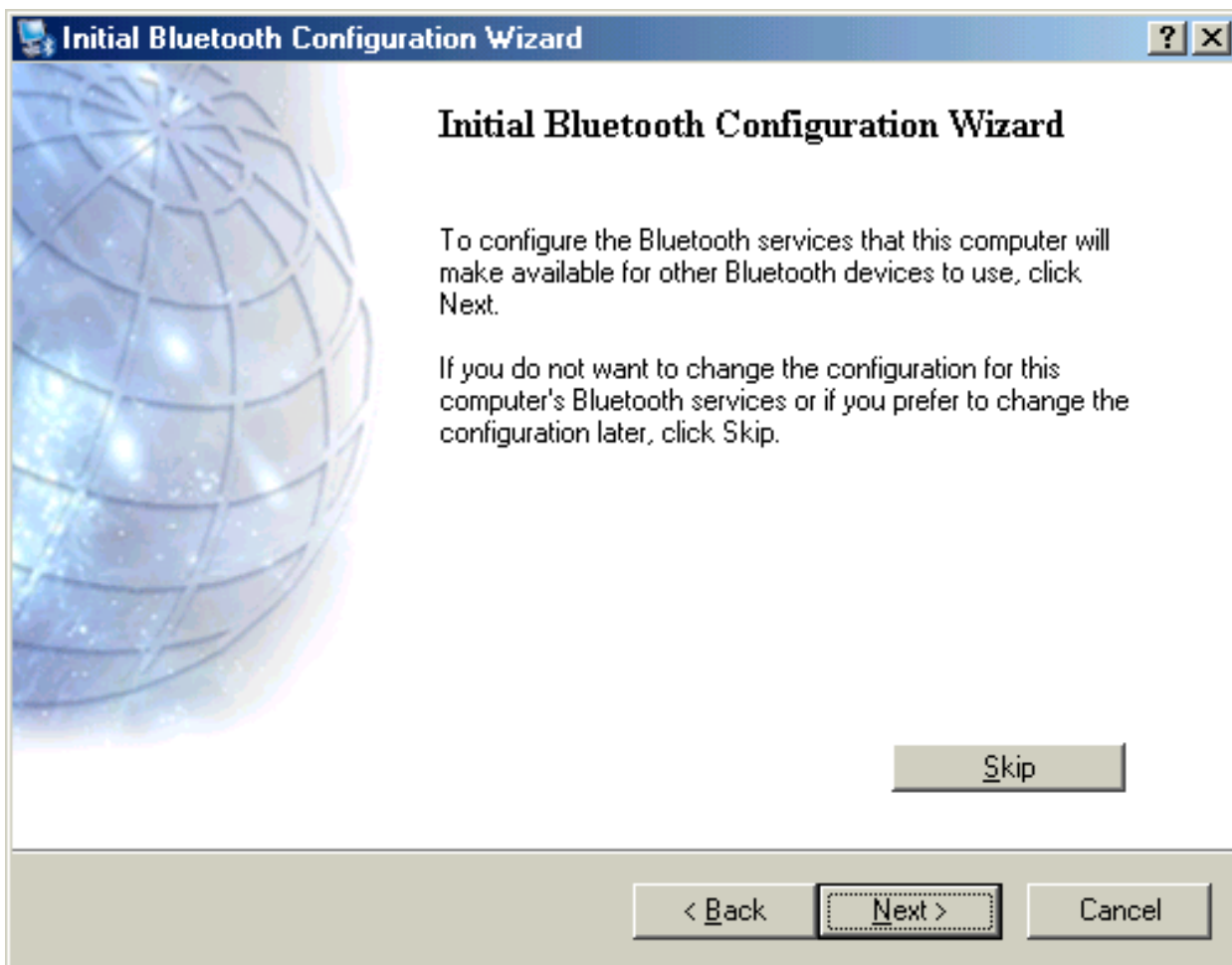
(5) Click "Next" to the next page.
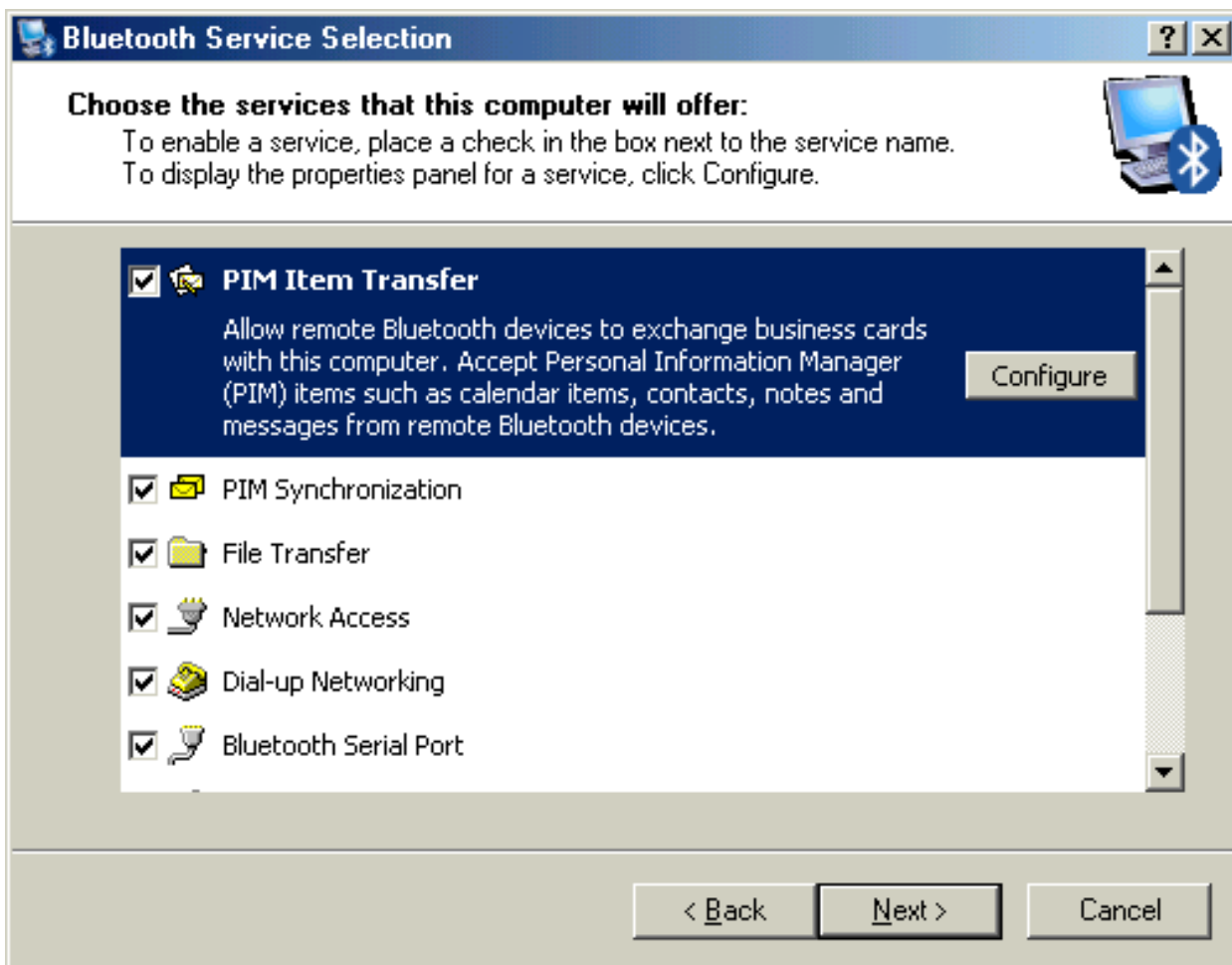
The services supported by Bluetooth are:

·   **Bluetooth Serial Port-**a wireless connection between two devices. This connection can be used by applications as though a physical serial cable connected the devices.

·   **Dial-up Networking-**allows a device to use a modem that is physically attached to another Bluetooth device.

·   **Fax-**allows a device to send a fax using a remote Bluetooth cell phone, modem, or computer.

·   **File Transfer-**allows a device to perform file system operations on another Bluetooth device; browse, open, copy, etc.

·   **Headset-**allows a Bluetooth headset to be used as the audio input/output mechanism for another Bluetooth device, such as a computer or cell phone.

·   **PIM Item Transfer-**allows two Bluetooth devices to exchange Personal Information Manager data such as business cards, calendar items, email messages, and notes.

·   **PIM Synchronization-**allows two Bluetooth devices to synchronize Personal Information Manager data.

·   **Network Access-**allows a device to access a Local Area Network via a second Bluetooth device that is physically connected to the network or allows a remote device to become part of an ad hoc network provided by the Bluetooth server.

·   **Audio Gateway-**allows the microphone/speakers on Bluetooth device (typically a computer) to be used as the audio input/output mechanism for a remote Bluetooth device, such as a cell phone.

All Bluetooth servers do not necessarily provide all of these services. For example, network gateways may provide only the Network Access service.
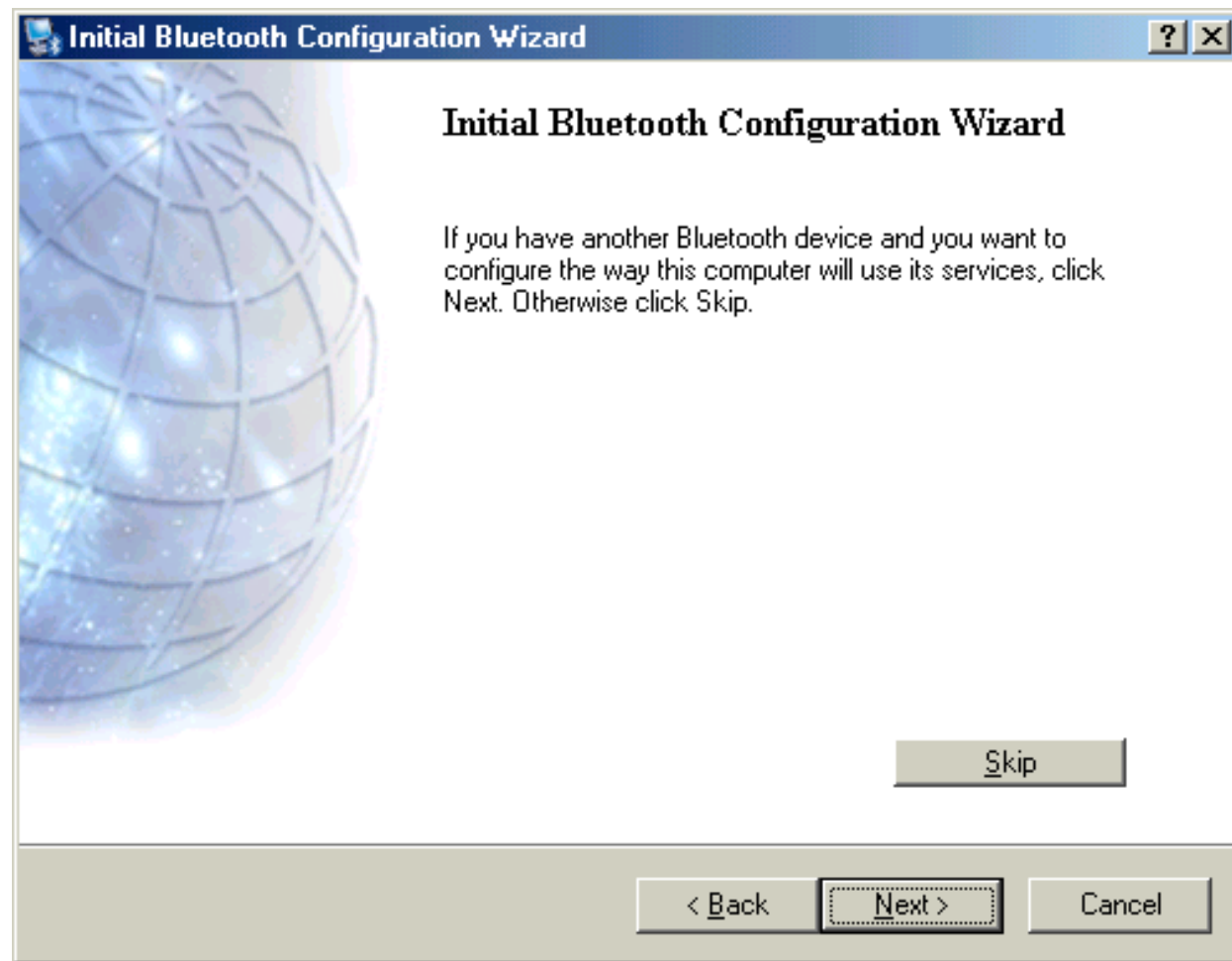
FIND A SERVICE

The process of determining the services that a device provides is called Service Discovery.

You can follow the wizard's on-screen instructions to find a service to use or click **"Skip"** button to skip this step.

To initiate a Service Discovery, in the Folders pane of My Bluetooth Places, right-click a device name and select Discover Available Services from the shortcut menu. Bluetooth services are those things that this computer can do for remote Bluetooth devices. For example, if this computer allows a remote Bluetooth device to send a fax using a fax modem that is physically attached to this computer, then this computer is providing the Bluetooth fax service. Some services are hardware dependant; this computer cannot provide the fax service unless it has a physical fax modem, for example. Some Bluetooth services use virtual hardware. The Bluetooth Serial Port service, for example, does not use a physical port on this computer. Instead, it creates virtual serial ports that Windows applications can see and use as if they were actual physical ports. Each Bluetooth service that this computer is capable of providing can be started automatically when Bluetooth starts. Each service can be setup to require security measures before allowing a remote Bluetooth device to connect. Bluetooth services require a Bluetooth application on the remote device; services and applications usually have coinciding names; i.e., there is a Bluetooth Fax Service and a Bluetooth Fax Application.

To check if you Bluetooth device is up and working properly
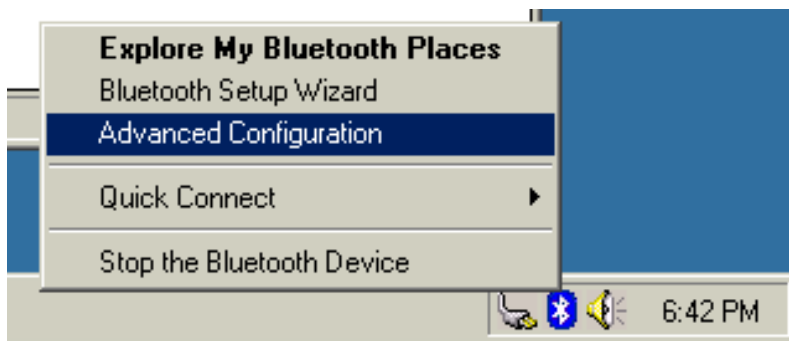
From the Bluetooth menu, select "**Advanced Configuration**".
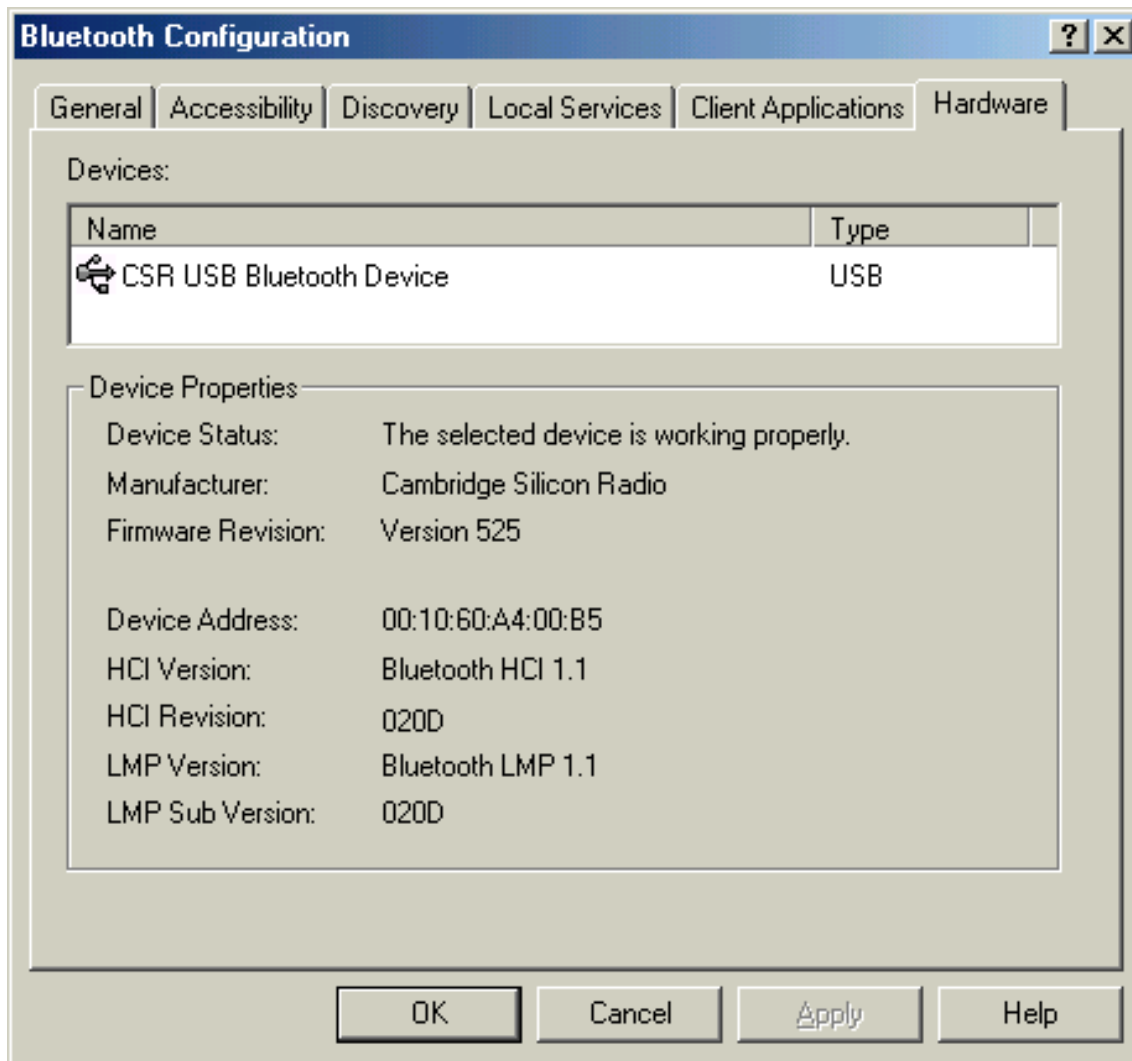
Under the **"Hardware"** tab, verify the Bluetooth address is present along with the driver and firmware version info.

If such information is not present, please unplug then plug in the USB adapter to initiate the driver.

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

Repeat the installation steps for other USB adapters or CF card on other PCs.

Periodic Search for Devices

Bluetooth can be configured to automatically search for devices on a regular basis (Bluetooth Configuration Panel > Discovery tab). One of the advantages of Bluetooth is the mobility that the wireless connections allow. However, mobility means that devices may move in or out of connection range during the time between the automatic updates performed by Bluetooth. To be certain that the displayed list of devices in the neighborhood is current, or if automatic periodic inquiry is not enabled, force an update of the device list using the technique described in Search for Devices, above.
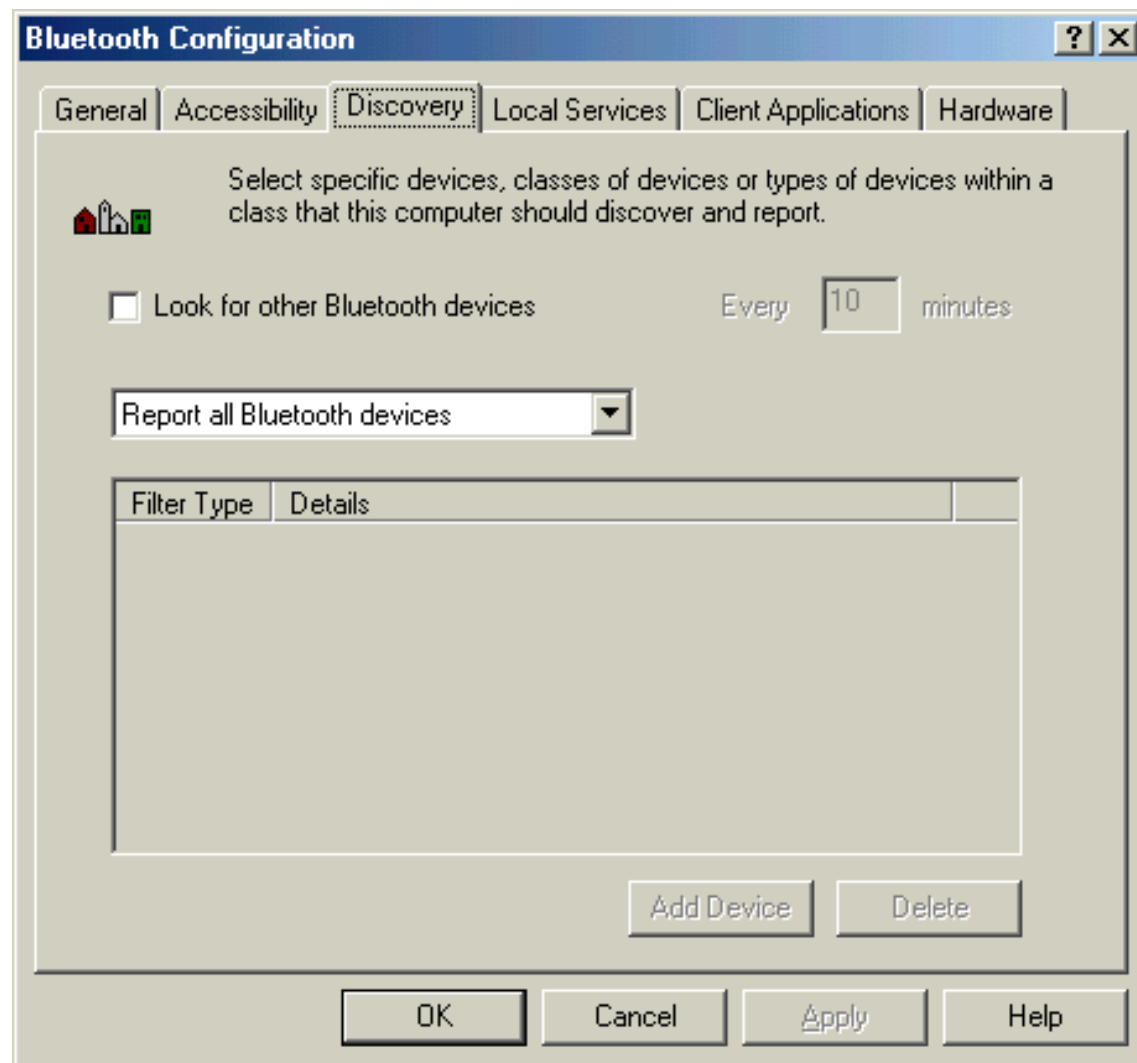
1.1 Icons used for Bluetooth devices and services

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
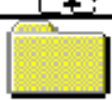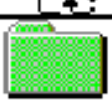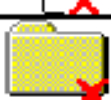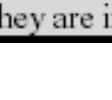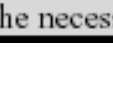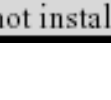
Device Icons for Windows 9x, Me and 2K

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 9x, 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.

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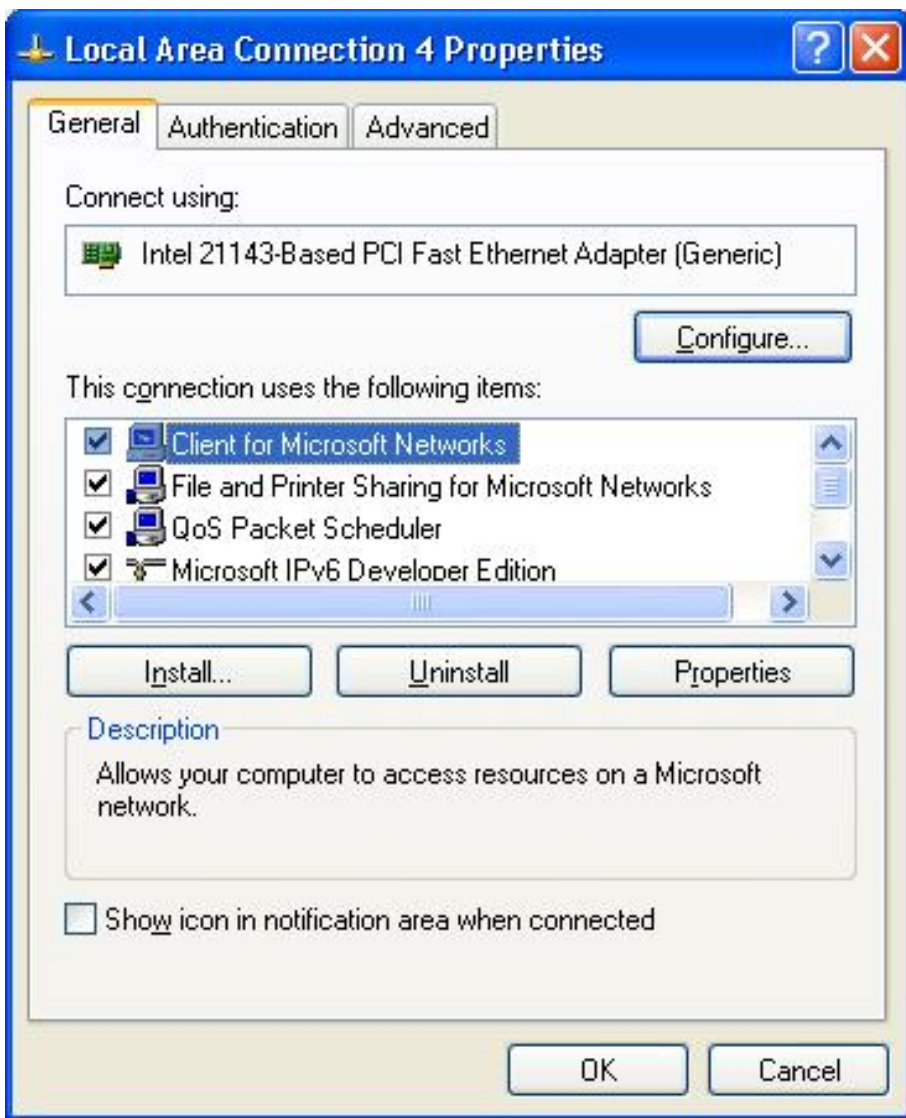
4. Click on **"Advanced"** tab and select the **"Internet Connection Sharing"**, checkbox to enable Internet sharing.

5. Click on **"Settings..."** button and select the services you wish to provide other Bluetooth devices. Click **"OK"** to save the changes.
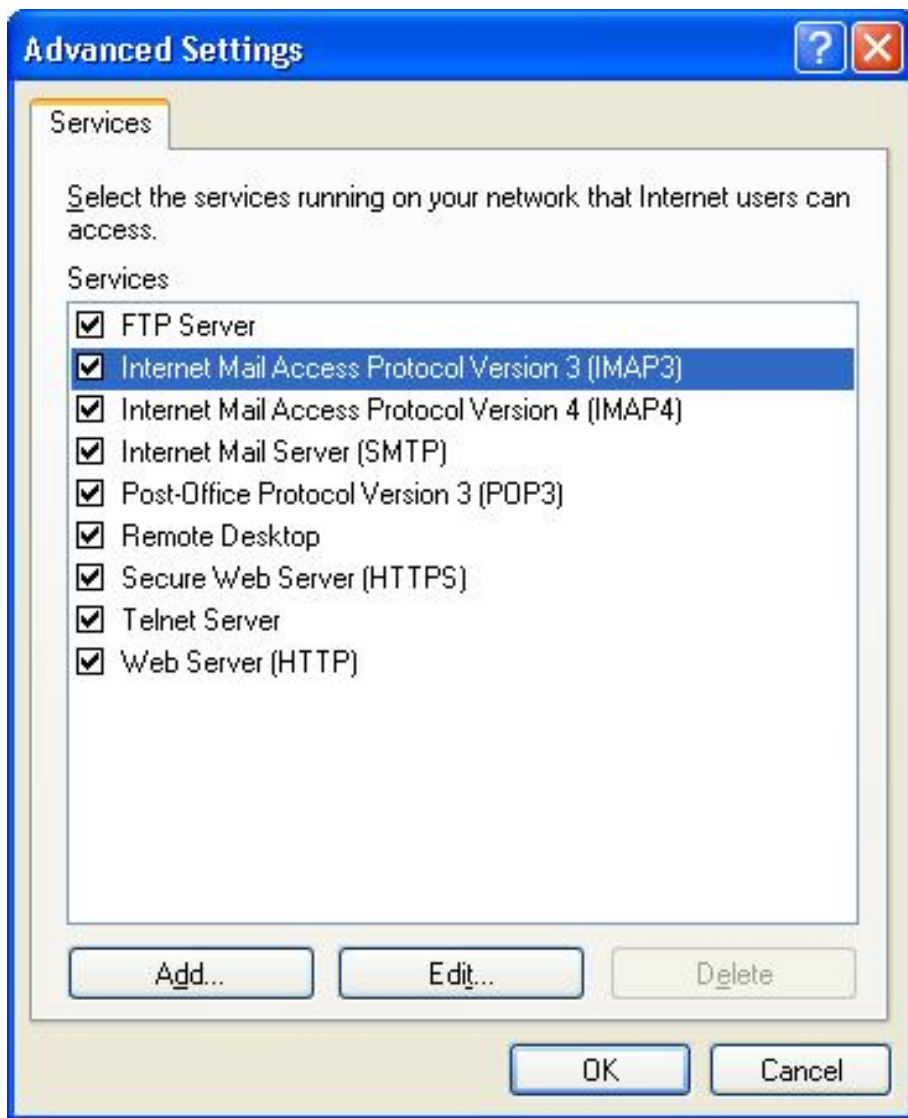
6. Go back to the **"Network and Dial-up Connections"** window, right click the **"Bluetooth LAN Access Server Driver"** and select **"Properties"..**

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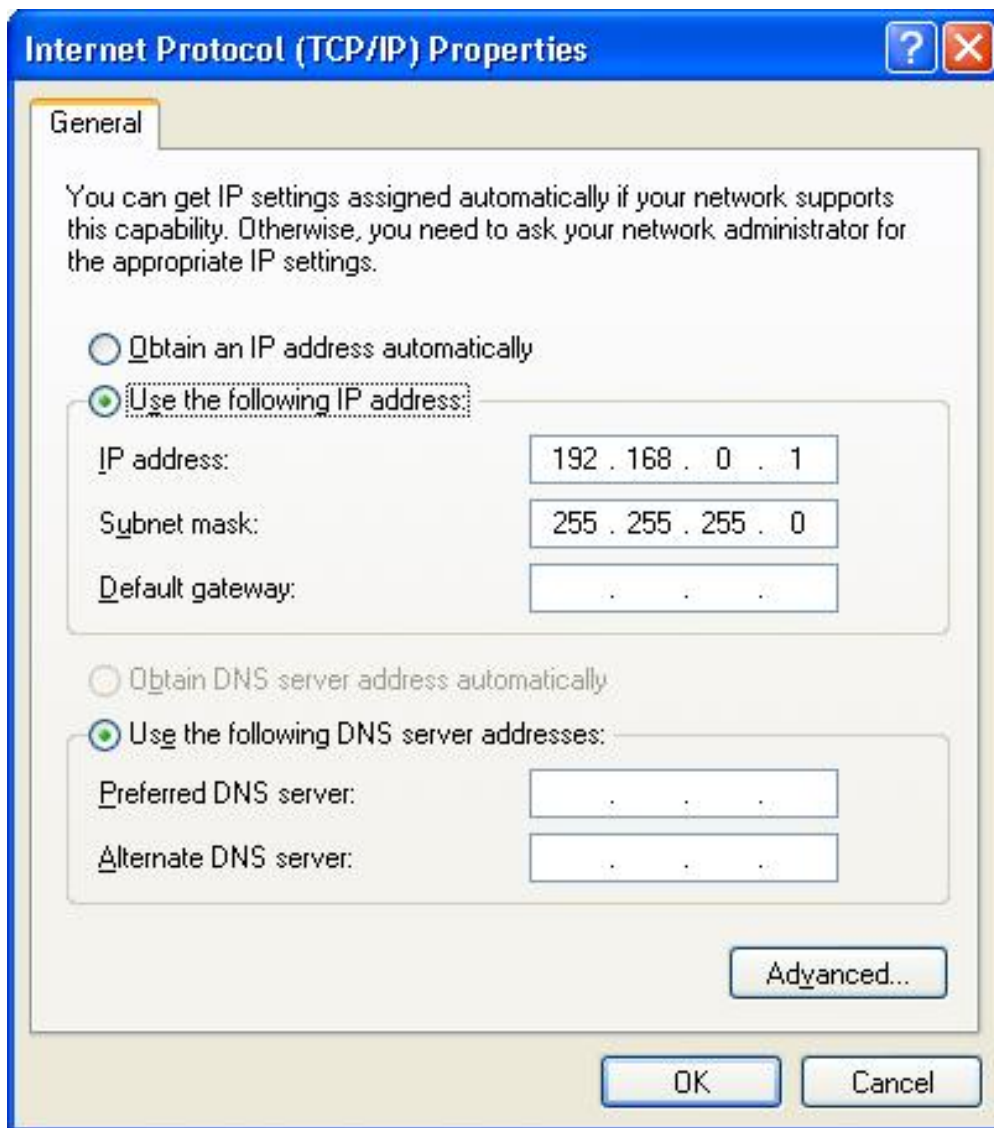
9. This allows the server PC to act as a DHCP server towards the client PCs.

NOTE: For Win98SE and WinMe, please download and install WinRoute 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.
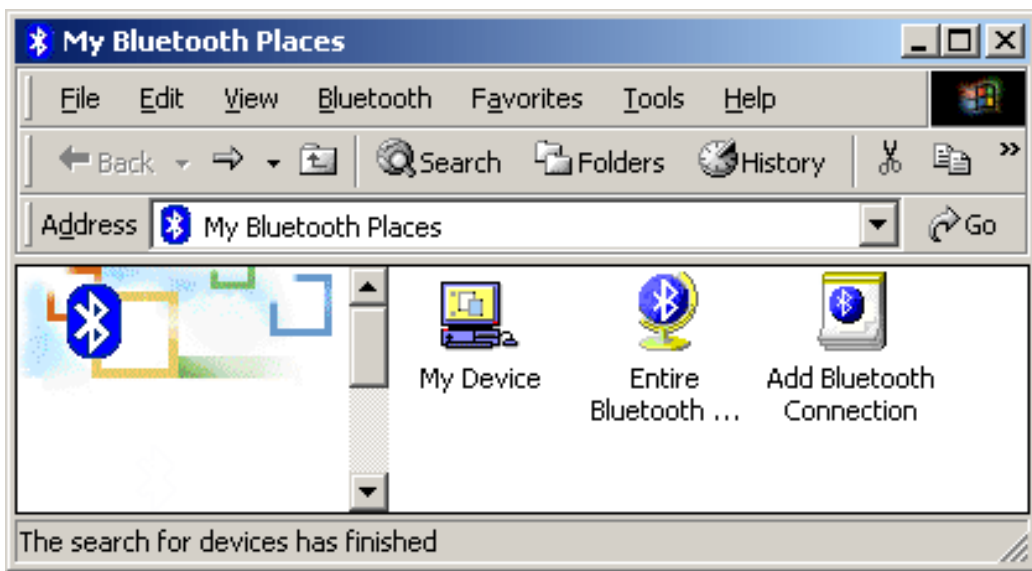
12. After searching is completed, locate the computer name of the server PC and double click it to discover the Bluetooth services it has to offer. (i.e. Bluetooth Serial Port, Dial-up Networking, File Transfer, Network Access, etc.).
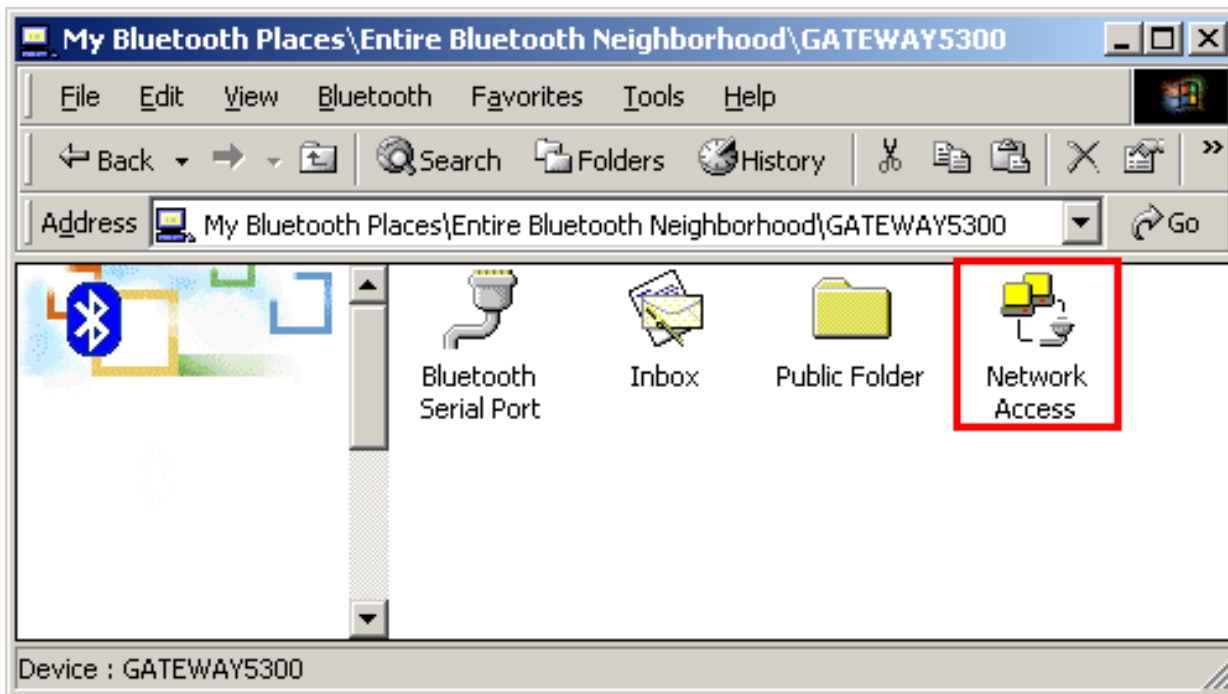
13. Click on the "Network Access" icon to connect to the shared Internet connection on the server PC.
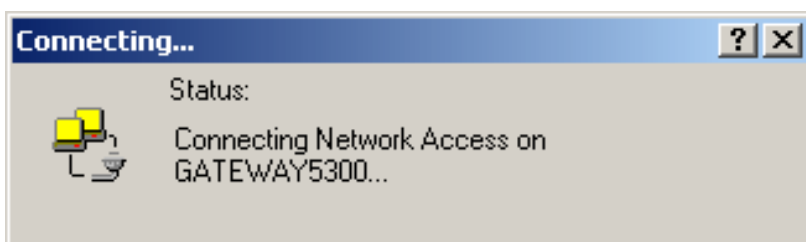
14. Click OK without entering any username or password. If one is already present, click OK anyway and it will still connect.
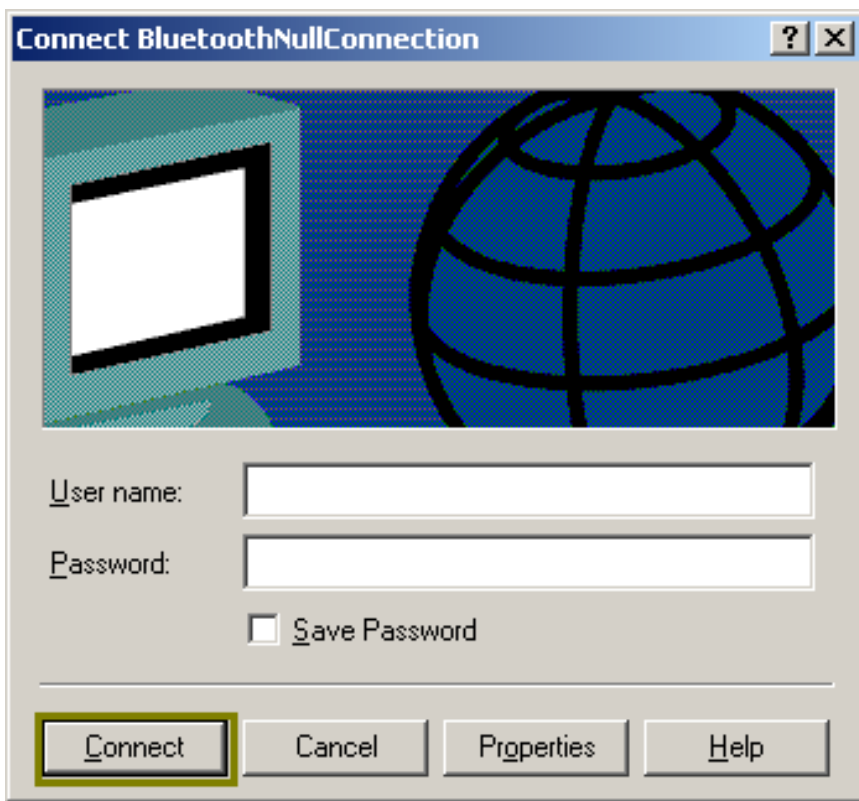
15. Now you can access the Internet via Bluetooth.

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

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.

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: 172.18.0.7   Port: 80   [Advanced...]

☐ Bypass proxy server for local addresses

Dial-up settings

User name: _____   [Properties]

Password: _____   [Advanced]

Domain: _____

[OK]   [Cancel]

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.
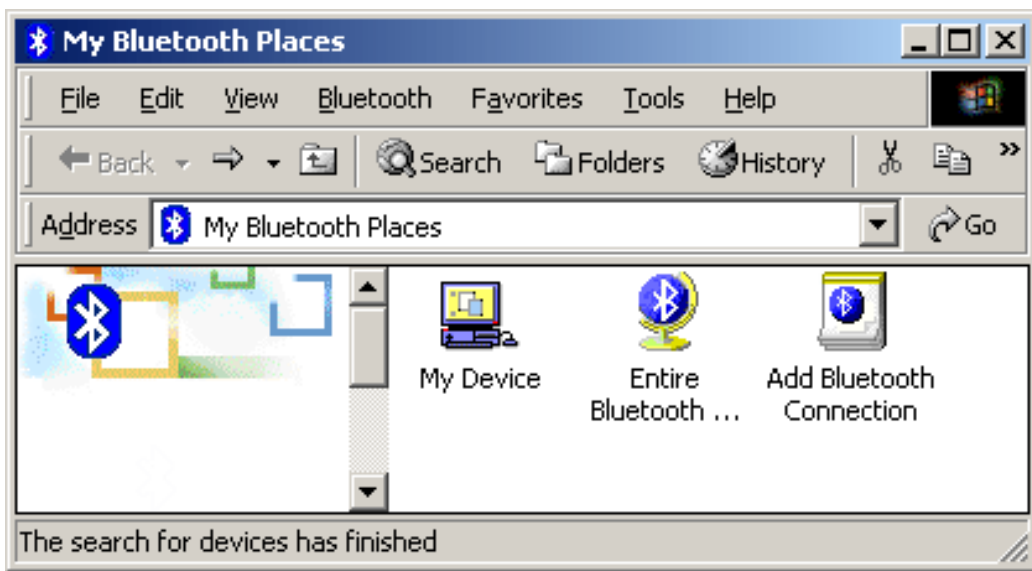
3. After searching is completed, locate the name of PC that you wish to transfer the file to and double click it to discover the Bluetooth services it has to offer (i.e. Bluetooth Serial Port, Dial-up Networking, File Transfer, Network Access, etc.).
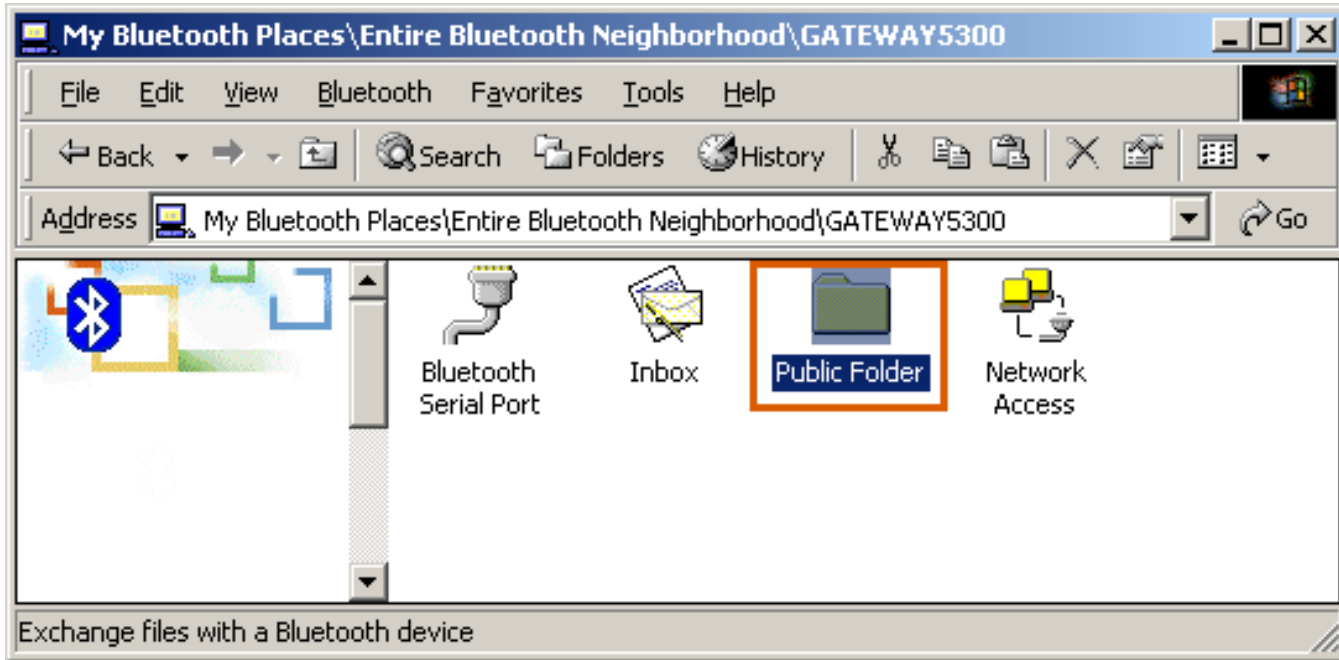
4. Double click the **"Public Folder"** icon to open the Bluetooth shared folder on the other PC.

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.
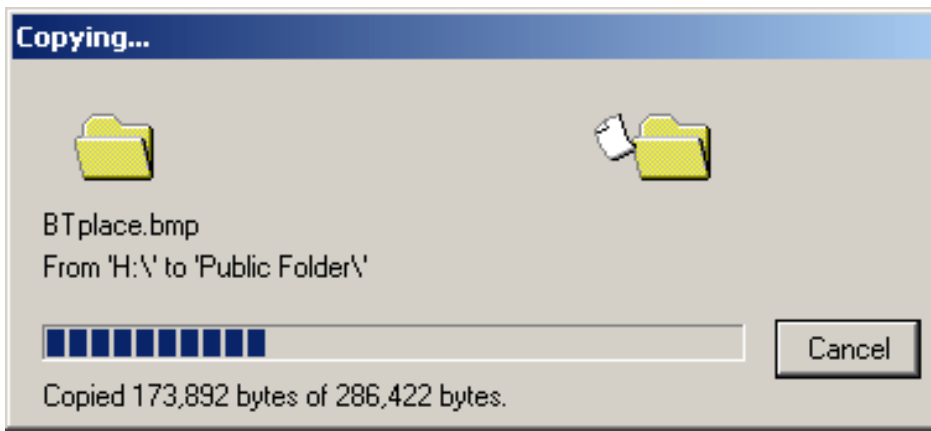
7. The file will be opened once the transfer is completed, if the **"Start Automatically"** checkbox is selected.
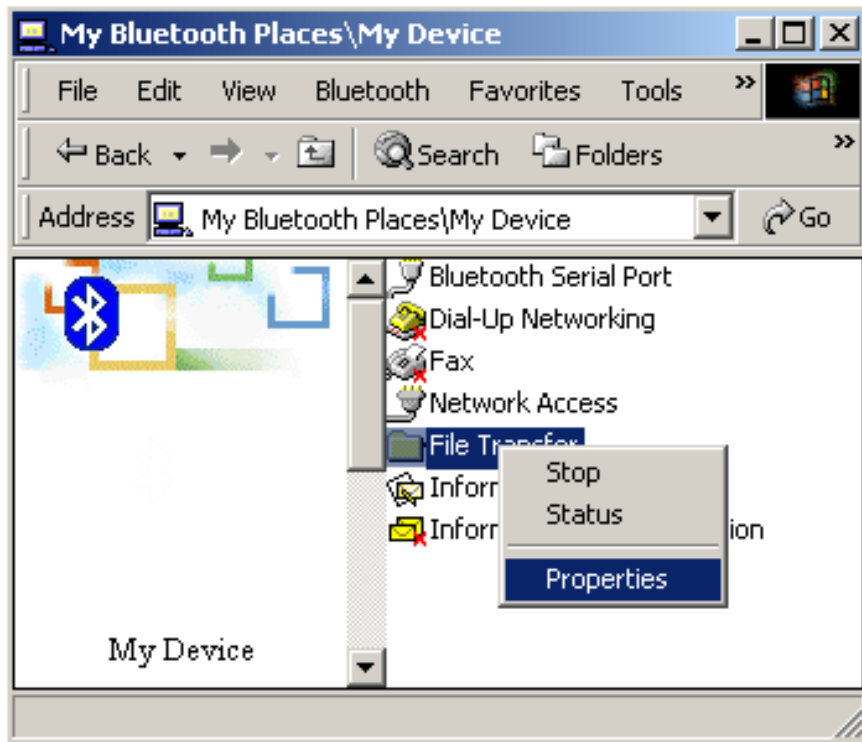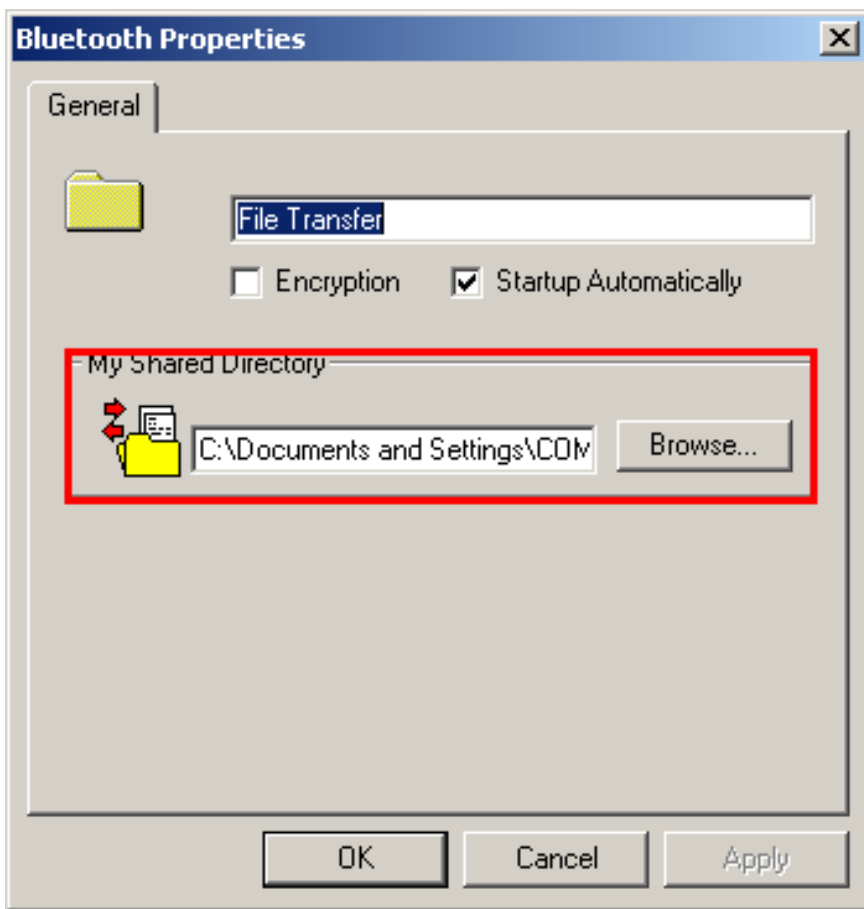
4. Dial-up networking setting for Windows

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"**.

Bluetooth Application Note
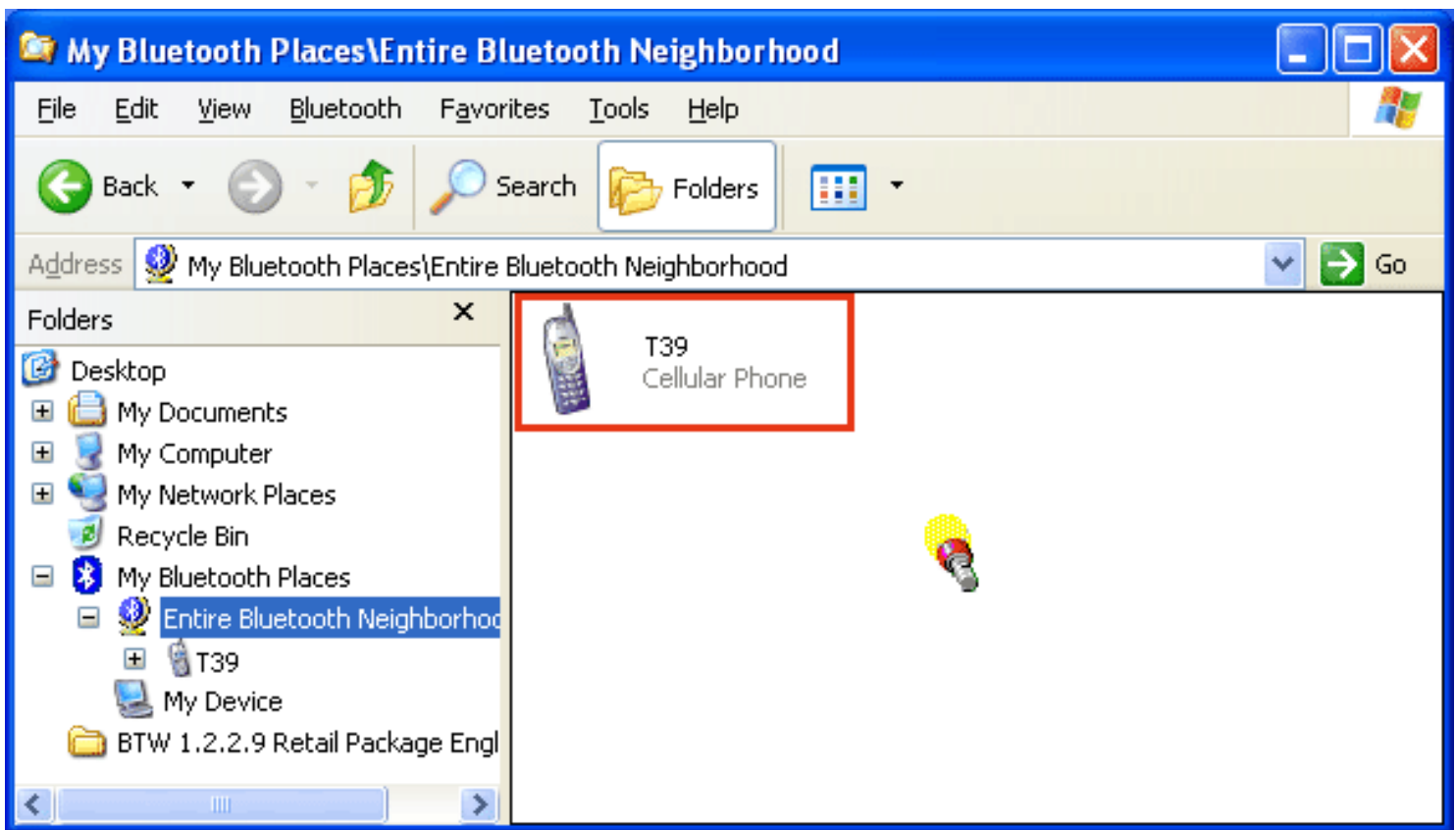
4. In the right pane of **"My Bluetooth Places"**, double-click **"Dial-up Networking"**.
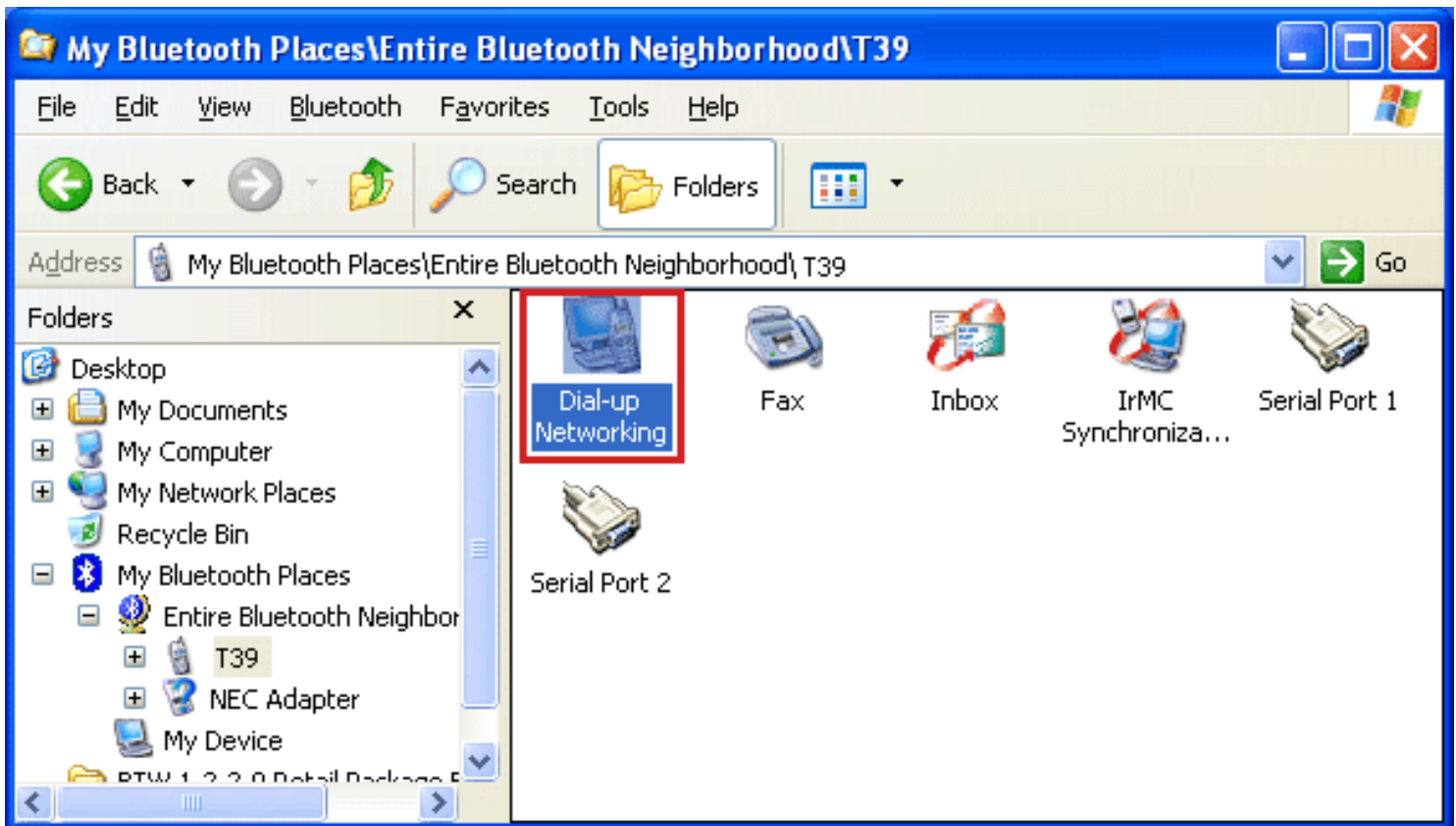
5. In the Connect To dialog box, type in your user name, password, and the phone number to be dialed, and then click the "Dial" button.

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.
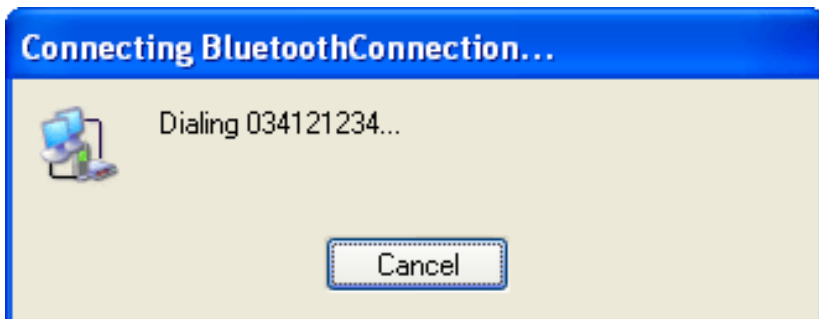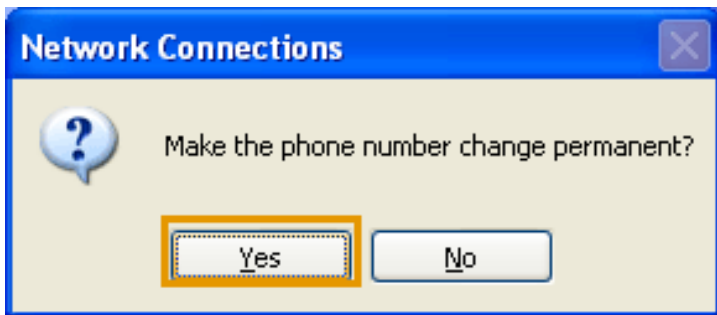
To close a Dial-up Networking connection

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.

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.

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:

* The application name¡Xto 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.

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.

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).

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.
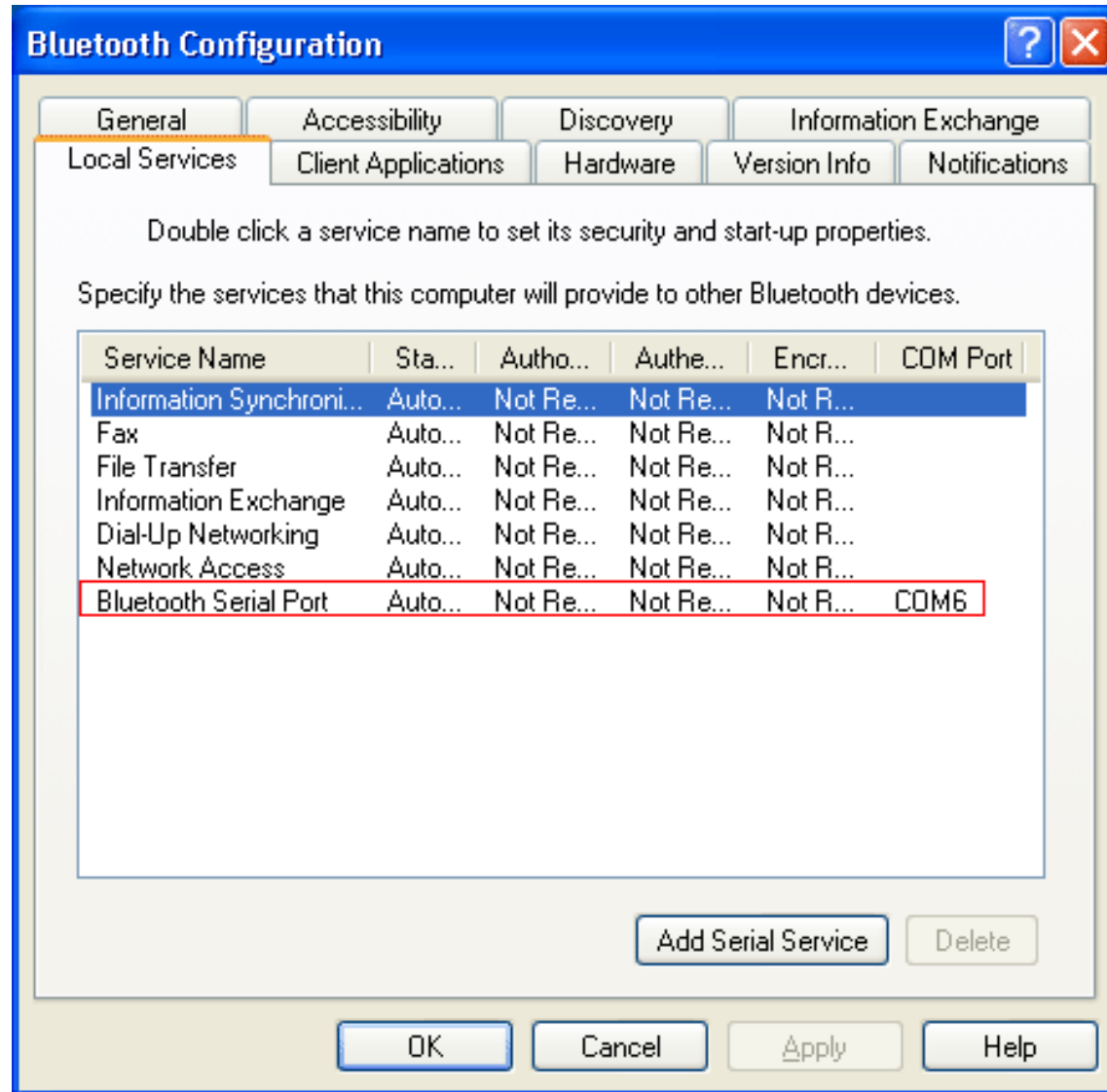
3.In the *Microsoft ActiveSync* window, select *Connection Settings...* from drop-down list of File menu.
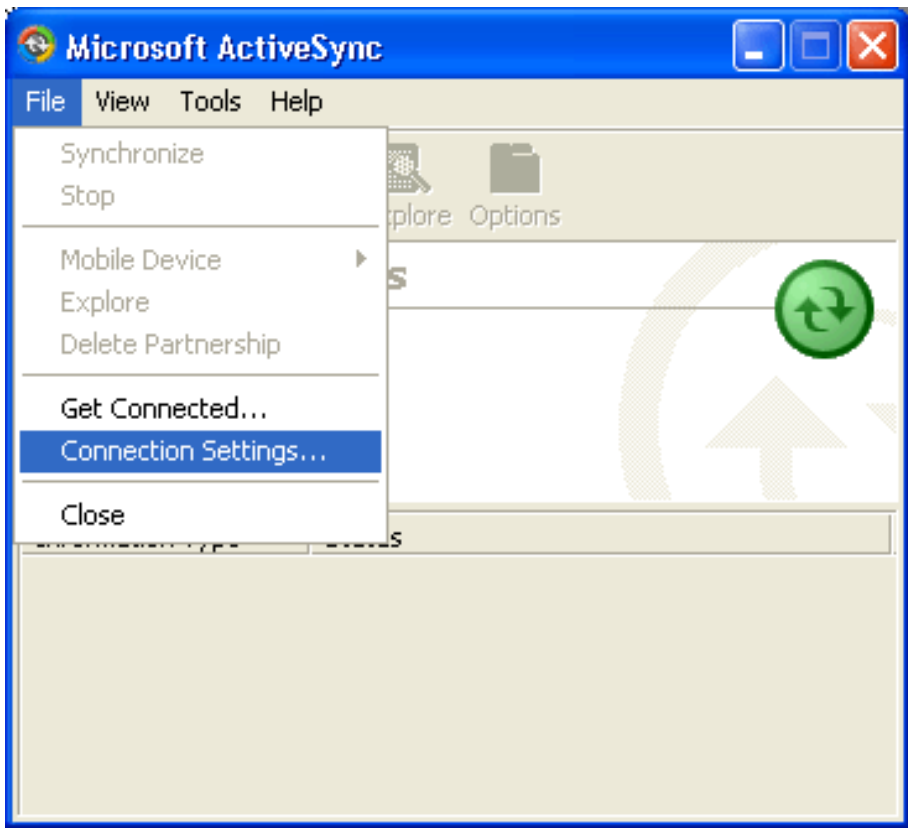
4. Choose the same COM port. (in this case, it is COM 6 that Bluetooth Serial port uses shown in the Step 2.)
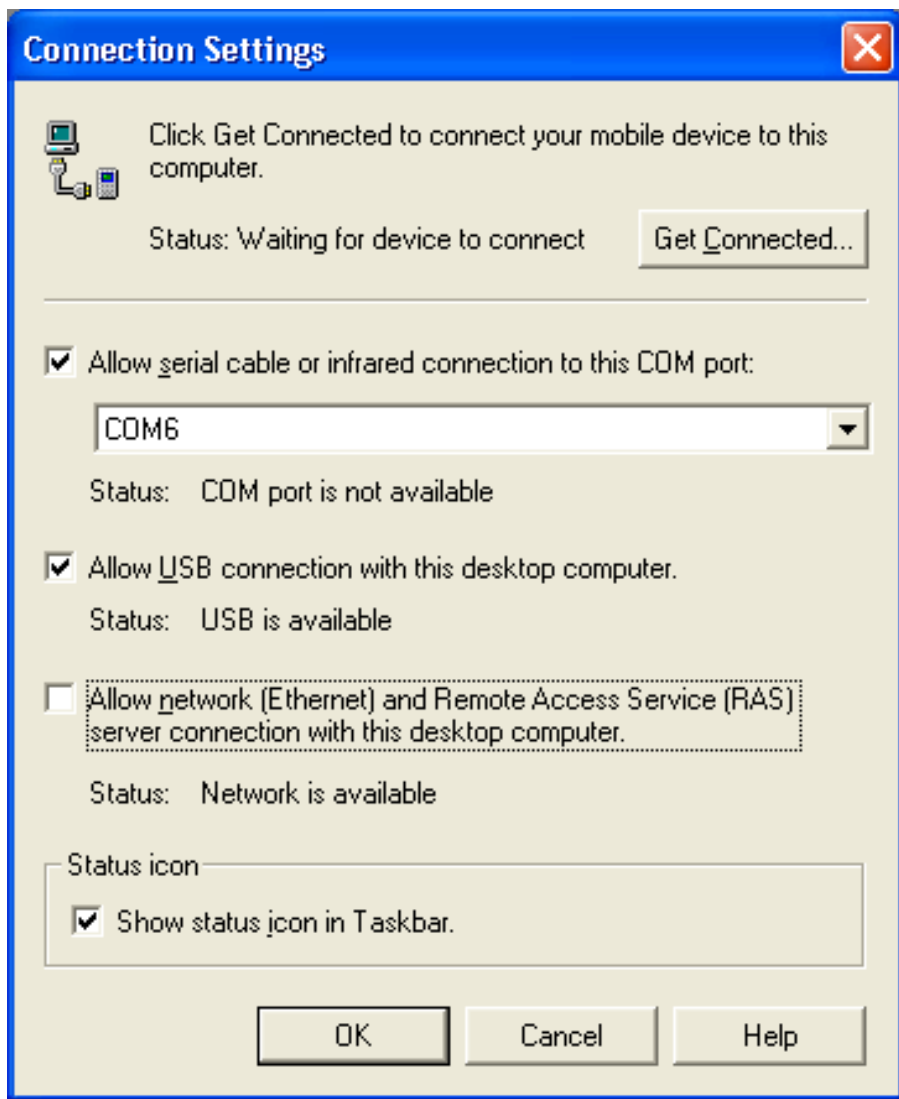
5.Please refer to the PDA ActiveSync Setting to complete the Bluetooth ActiveSync Configuration Process

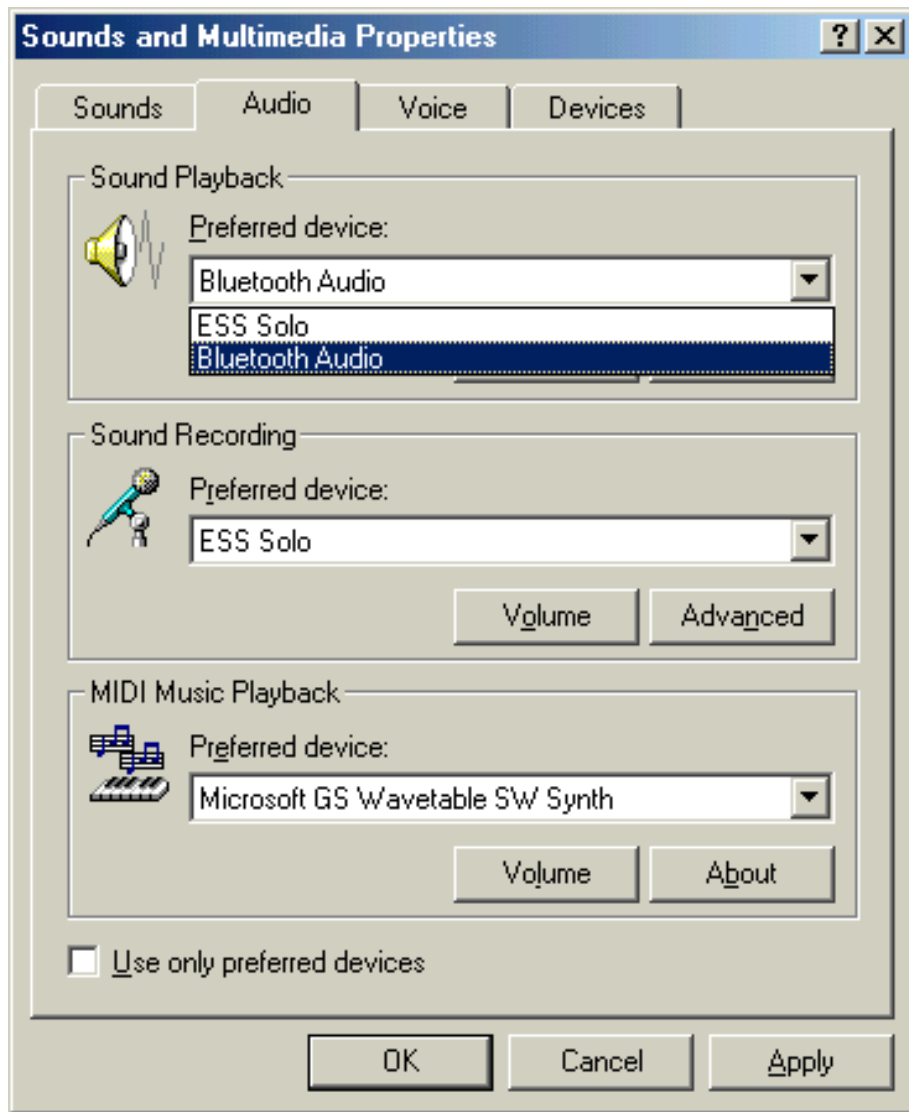10**. Audio Gateway setting for windows**

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
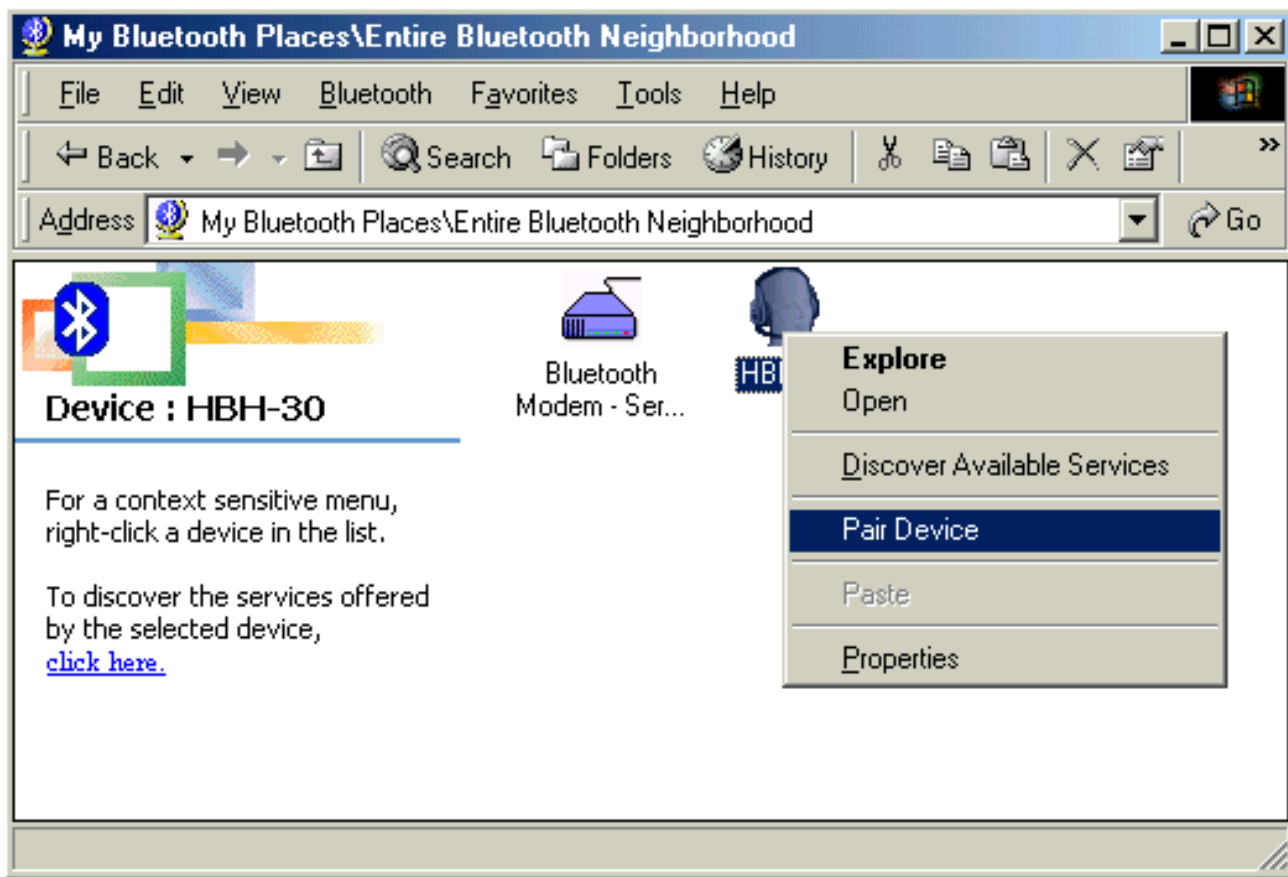
From Bluetooth Explorer to connection your headset device.

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

Close an audio gateway connection:
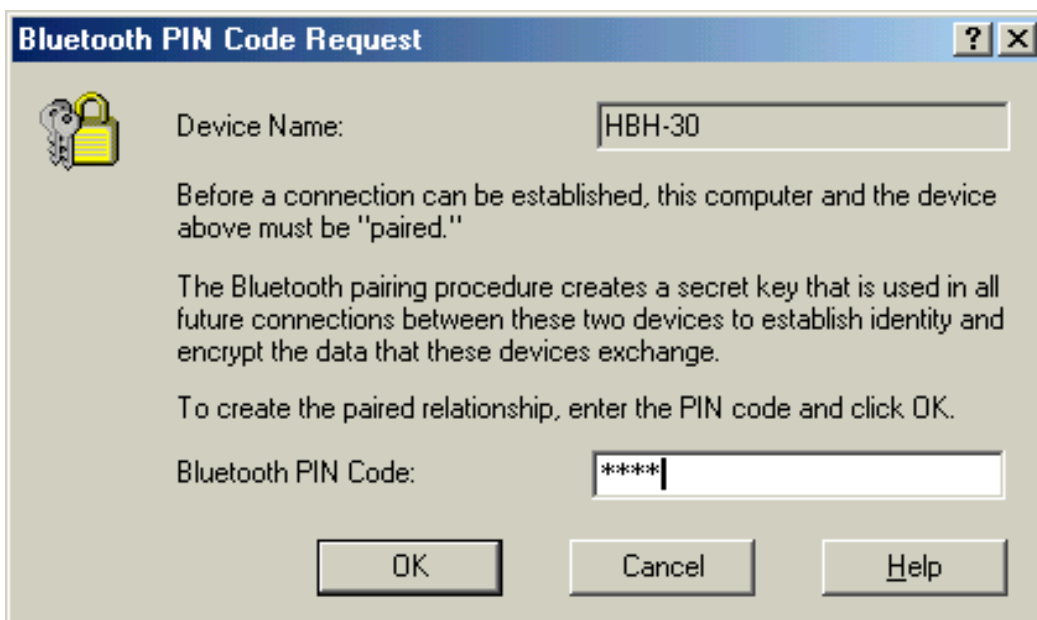
If the connection was established via the Bluetooth icon in the Windows system tray; click the Bluetooth icon, select Quick Connect, Audio Gateway and then select the device that is providing the service (active connections have a checkmark in front of them).

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.

Troubleshooting

Q1.: Why doesn'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.
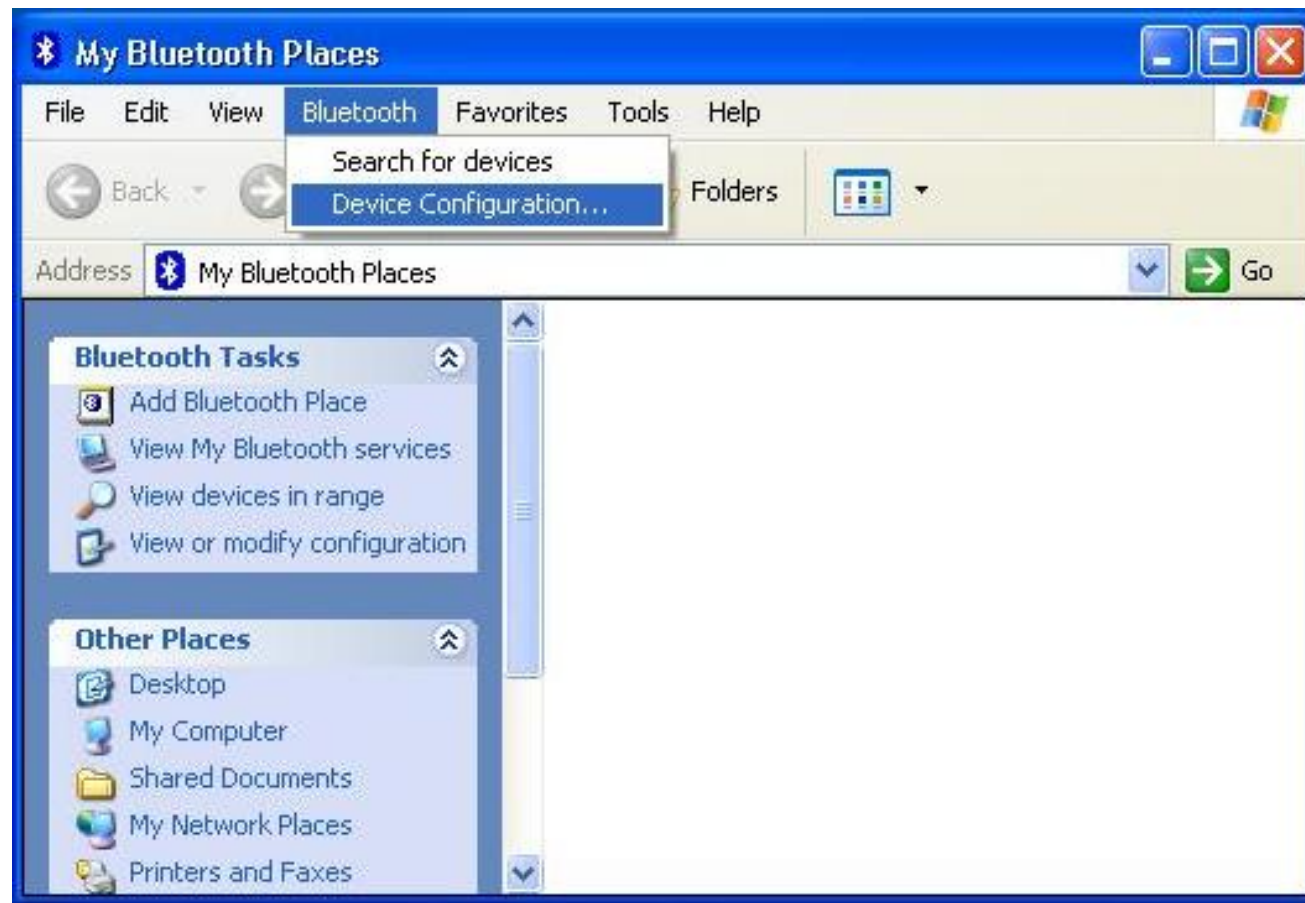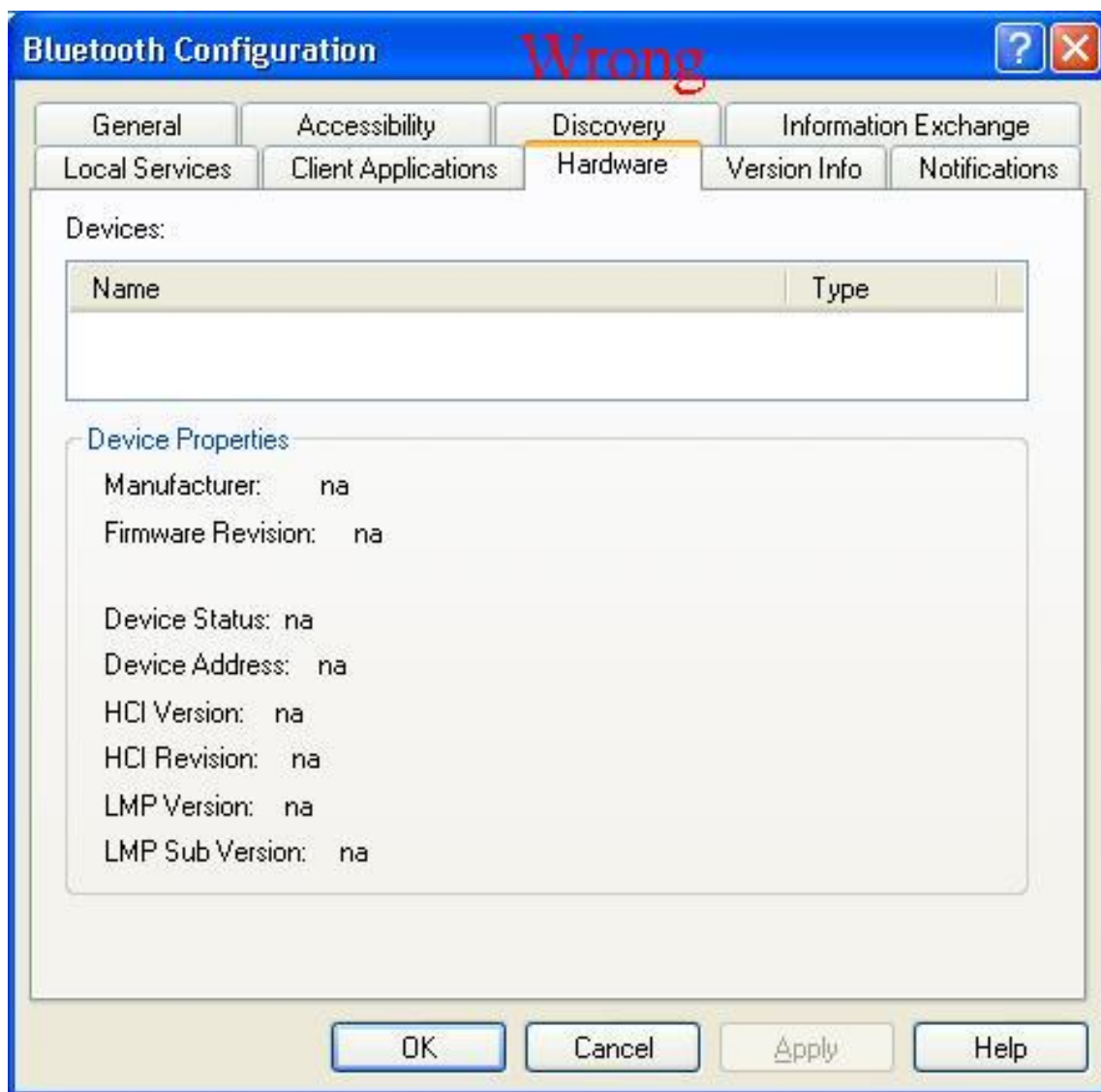

(2) If the Bluetooth device is enabled, you will see something of the following nature.
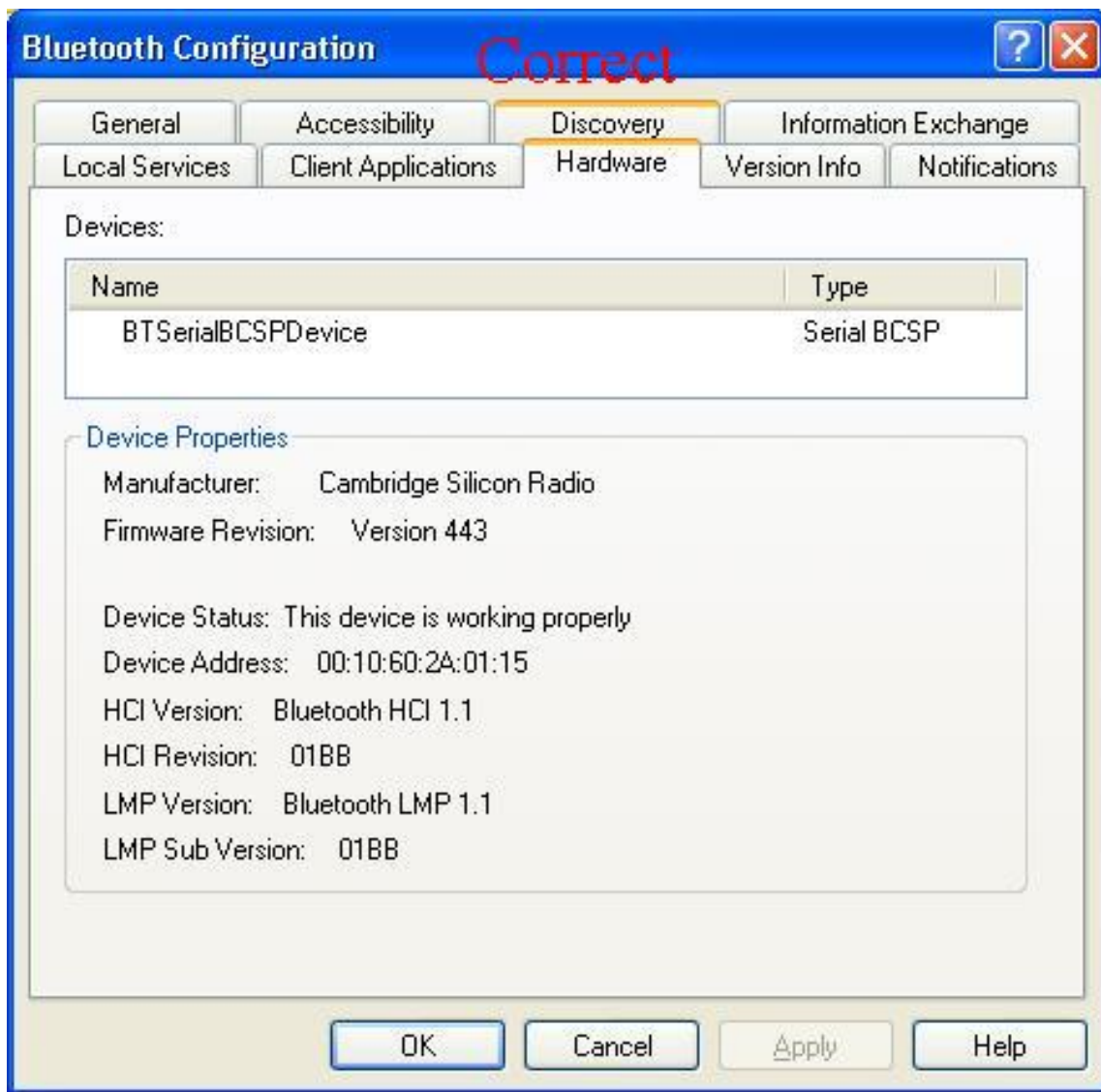
(3) Otherwise, for USB Bluetooth adapter, please unplug then plug in the USB Bluetooth adapter to enable the device.

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

Q2.: Why doesn't my CF card work after I unplug and later plug-in again?

A2.: CF Bluetooth card is not a plug-n-play device.

Please reboot the system with the CF Bluetooth card securely inserted in the PCMCIA slot to enable the driver again.

Q3.: Why can't I transfer files from Nokia 7650 to my PC?

A3.: 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.

Q4. : Why some devices within connection range may not show up in the list of devices found?

A4.: 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).