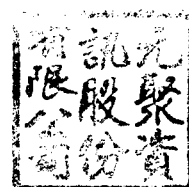


Gemini M2

Bluetooth Keyboard & Mouse

User's Guide



I . Product Introduction

Gemini M2 is a wireless keyboard and mouse combo based on the Bluetooth standard. It works with your keyboard and mouse providing a wireless range of up to 10 meters. And because Bluetooth sets the bar for the emerging wireless world, you can add other compatible Bluetooth devices. Free yourself from desktop clutter and extra cables.

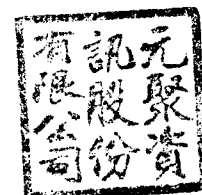
Feature and specifications

Key Features

- Excellent performance working range up to 10m (line of sight).
- Compliant Bluetooth specification version 1.1
- A complete wireless keyboard and mouse compliant to Bluetooth HID profile.
- Full software binaries for Bluetooth stack for HID keyboard application.
- 3 button mouse with roller wheel
- Optical 800 dpi Mouse
- Power Management: Power saving through Sniff mode control.
- Operation system supported: Windows 98SE/ME/2000/XP.

Technical Specifications

- Frequency Range : 2.4 - 2.4835 GHz
- Build in Antenna
- Receive Sensitivity : -75dBm (typical)
- TX Power : 4dBm maximum (class 2)
- Range : >10 meters(line-of-sight)
- Supply Voltage : 2.7V to 3.3V
- Power Features : 2 x AA Alkaline battery cells
- Operating Channels : 79 channels of 1MHz BW
- Security : Full support of Bluetooth security provisions including hardware support for full length 128 bit encryption keys
- Operating Temperature : -10°C(14°F) to 85 °C(185°F)
- Storage Temperature : 0°C(32°F) to 55°C(131°F)
- Operating Humidity : 20% to 90% RH
- Size : 445mm(L) x 195mm(W) x 44mm(H)
- Membrane Connection : 8 x 18 matrix membranes
- Certifications : CE,FCC



II. Battery Installation

Keyboard

Open the battery cap, which is on keyboard's backside, place 3 AAA Alkaline batteries, and put the cap back.



Mouse

Please switch the lock pin from back to front beneath the Mouse then hold the mouse and press the center part from front to back with the other hand to open it.

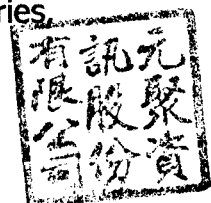
Put two AAA Alkaline batteries according to its polarity. Then, put back the top cap and slip it from back to front smoothly to lock



Precautions

The precautions below are to prevent the sudden release of electrolytes, which these prohibited actions can cause:

- Keep batteries out of reach of children.
- Do not mix old and new batteries, or batteries of different types (for example, carbon and alkaline batteries).
- Always remove old, weak, or worn-out batteries promptly and recycle or dispose of them in accordance with your local ordinances.
- Do not open, puncture, or mutilate the batteries.
- Do not heat batteries or attempt to recharge them.
- Do not use a fire to dispose of batteries.
- Released battery electrolyte is corrosive, can cause damage to the eyes and skin, and may be toxic if swallowed.
- If a battery leaks, remove all batteries and recycle or dispose of them in accordance with your local ordinances. Before inserting new batteries,



thoroughly clean the battery compartment with a damp paper towel, or follow the battery manufacturer's recommendations for cleanup. If fluid from the battery comes into contact with skin or clothes, flush skin with water immediately.

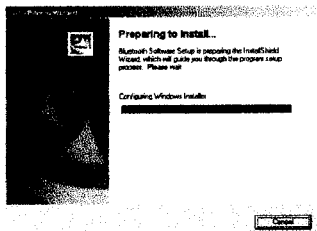
- Remove the batteries if your device is to be stored for longer than a month without being used.

III. Installation

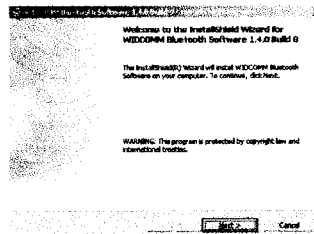
Do not plug the dongle in your computer before you complete the bluetooth software installation. If you plugged in the dongle before the software installation, and your system started to detect the device, please press "Cancel" to stop the installation and remove the dongle.

1. Install Widcomm:

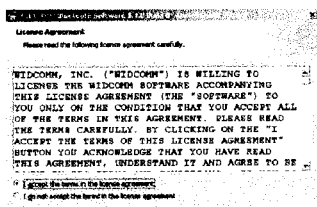
- 1-1. Insert the Driver CD to your CD-ROM Drive.
- 1-2. Execute the setup.exe in the "Widcomm" folder.
- 1-3. Follow the instructed step by step to complete the installation.



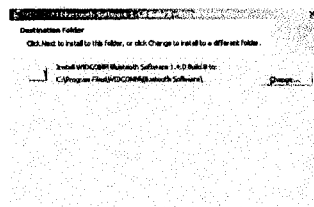
1. Preparing to Install



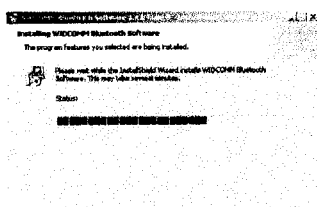
2. Follow the instruction to complete the installation.



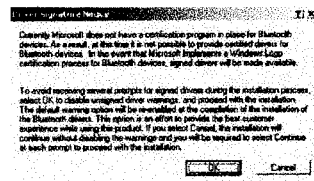
3. Agreement



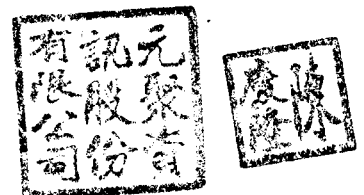
4. You can change the folder or just use the default one.

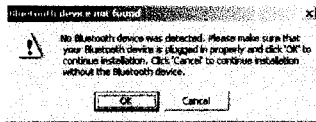


5. Installing

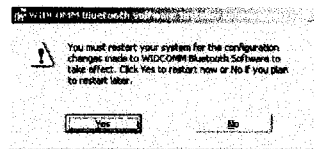


6. Press "ok" to continue install the program





7. Press "Cancel " to continue install



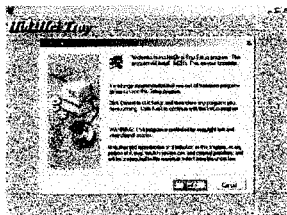
8. Press "Yes" to restart PC

2. Install Hid2hic:

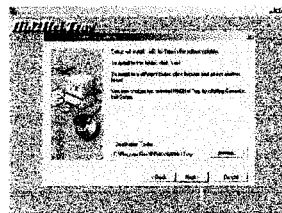
2-1 Plug the dangle to your USB port

2-2 Execute the setup.exe in the "Hid2hic" folder.

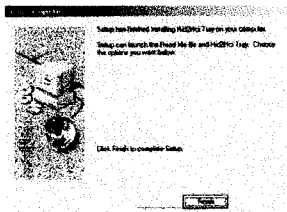
2-3 Follow the instructed step by step to complete the installation.



1. Press "Next " to install this program



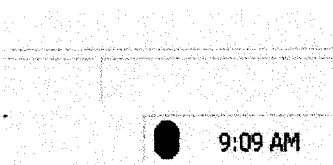
2. You can change the folder or just use the default one.



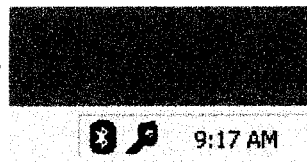
3. Press "Finish" to restart your PC

3. Search the blue tooth device:

3-1 Windows will install the CSR Device automatic.

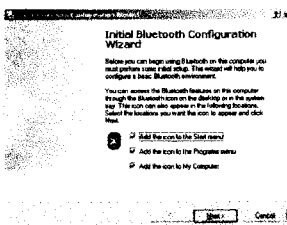


Before you finish the installation, the icon is red.

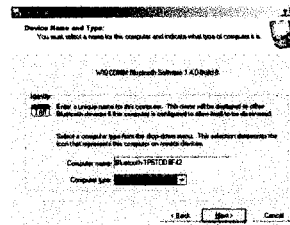


It will become white after the dongle be plugged.

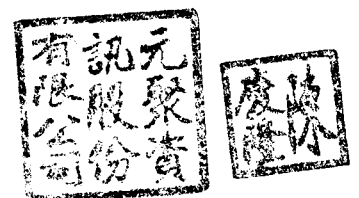
3-2 Click the bluetooth icon on the system tray.

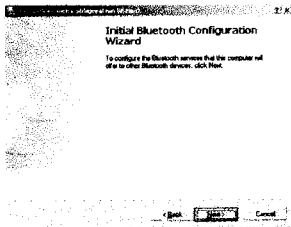


1.Configuration

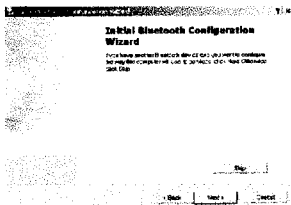


2.Using the default device ID or rename it.

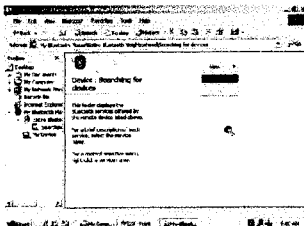




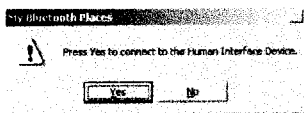
3. Confirm the configuration.



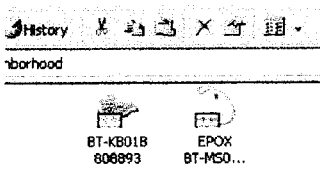
5. Press "Skip" to finish the configuration.



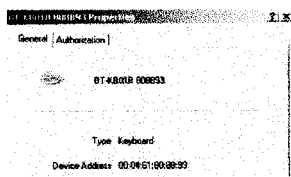
7. Click the right button of mouse and select "Refresh". It will search device automatic



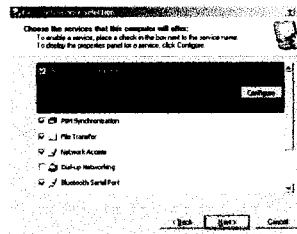
9. Press "Yes" to enable the mouse.



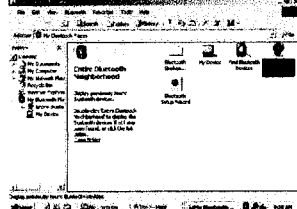
10. Repeat 6-9 to enable the bluetooth keyboard.



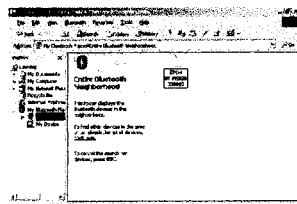
13 Keyboard's properties.



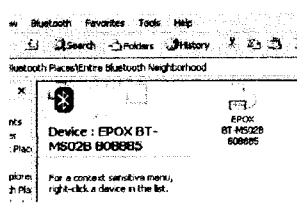
4. Choose the bluetooth device you want to connect. Press "Next" to continue.



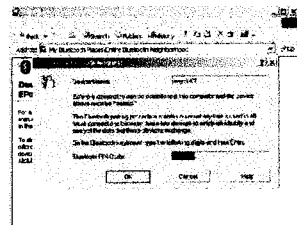
6. After the configuration, click "Find Bluetooth devices"



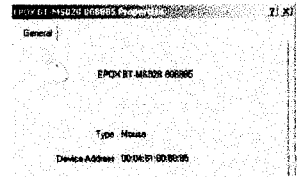
8. Press the Connector behind the mouse to link. Double click the Icon of mouse to enable it after the icon appear.



9. After the mouse is enable. There will be an arrow icon under the mouse icon.



12. Follow the number you read from window then press "Enter" with your Bluetooth Keyboard.



14. Mouse's properties.



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Chapter One

Introduction to Bluetooth

The term Bluetooth refers to a worldwide standard for the wireless exchange of data between two devices.

In order to exchange data, two Bluetooth devices must establish a connection.

Before a connection is established, one device must request a connection with another. The second device accepts (or rejects) the connection.

The originator of the request is known as the client.

The device that accepts (or rejects) the request is known as the server.

Many Bluetooth devices can act as both client and server.

A client Bluetooth device runs a software program that requests a connection to another device as part of its normal operation. For example, the program may request a connection to a remote computer, a printer, or a modem.

Becoming a Bluetooth client normally requires an action by the device operator, such as an attempt to browse a remote computer, print a file, or dial out on a modem.

Every Bluetooth device that provides a service must be prepared to respond to a connection request. Bluetooth software is always running in the background on the server, ready to respond to connection requests.

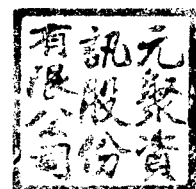
Introduction to Bluetooth for Windows

Bluetooth for Windows is the solution for the seamless integration of Bluetooth technology into personal computers.

Most Bluetooth-enabled devices have the capability to act as

- A Bluetooth server: these devices provide one or more services, such as access to the Internet, to other Bluetooth devices.
- A Bluetooth client: these devices use the service(s) provided by Bluetooth servers.

Bluetooth devices that can act as both server and client can often do both at the same time.



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Bluetooth for Windows provides

- Clients with the means:
 - To locate other Bluetooth devices in the immediate vicinity (inquiry)
 - Discover the services that those devices offer (discovery)
 - Connect to, use, and disconnect from those services.
- Servers with the means to include/exclude individual services in the list of services they provide to clients.
- Extensive security, including:
 - Authorization
 - Authentication
 - Encryption.

Bluetooth for Windows supports

- Windows XP
- Windows 2000
- Windows 98SE (Second Edition)
- Windows Me (Millennium Edition)

Bluetooth for Windows functions the same way, regardless of the supported version of Windows on which it is running.

Bluetooth Device

Identity

Every Bluetooth device has a unique 48-bit binary Bluetooth Device Address (BDA) burned into its Read-Only Memory (ROM). This address cannot be changed by the end-user.

A device BDA is usually displayed in hexadecimal format; 00:D0:B7:03:2E:9F is a valid BDA.

Each Bluetooth device also has an operator-configurable, user-friendly name to help distinguish it from other Bluetooth devices. The user-friendly name may be up to 99 alphanumeric characters in length and may contain spaces. **My Personal Computer** is a valid user-friendly name.

Device Icons for Windows 9x, ME and 2K

Name	Normal	Connected	Paired
Desktop			
Laptop			
Modem			
Network Access Point			
Personal Digital Assistant			
Printer			
Telephone			
Unknown			

Device Icons for Windows XP



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Name	Normal	Connected	Paired
Desktop			
Laptop			
Modem			
Network Access Point			
Personal Digital Assistant			
Printer			
Telephone			
Unknown Device			

Service Icons for Windows 9x, ME and 2K

Name	Normal	Connected	Not Available*
Dial-up Networking			
Fax			
File Transfer			
Information Exchange			
Network Access			
Serial Port			
Synchronization			

Service Icons for Windows XP

Name	Normal	Connected	Not Available*
Dial-up Networking			
Fax			
File Transfer			
Information Exchange			
Network Access			
Serial Port			
Synchronization			



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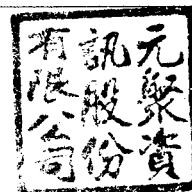
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Chapter Two

Installation

Installing Bluetooth for Windows (BTW)

SYSTEM REQUIREMENTS

Bluetooth for Windows (BTW) runs under Microsoft® Windows® 2000, Windows 98 Second Edition (SE), and Windows Millennium Edition ("Me").

UNINSTALL PREVIOUS

VERSION OF BTW

Any previous version of the BTW software must be uninstalled before installing an upgraded version.

There are two ways to remove BTW:

1. The Install Shield® Wizard automatically uninstalls the previous version when a new version is installed.

2. Manually uninstall BTW by completing these steps:

a) Close any open applications.

b) From the Windows taskbar, click **Start** followed by **Settings** followed by **Control Panel**.

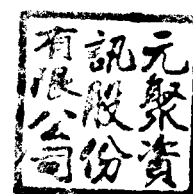
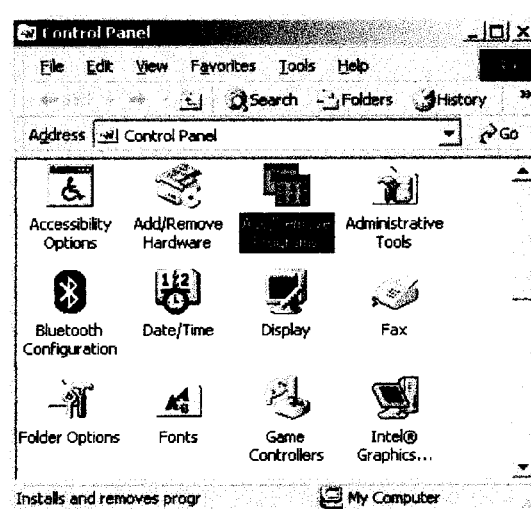
c) Double-click **Add/Remove Programs**.

d) On the *Add/Remove Programs* window, select the **Bluetooth Software** entry. Scroll down if necessary.

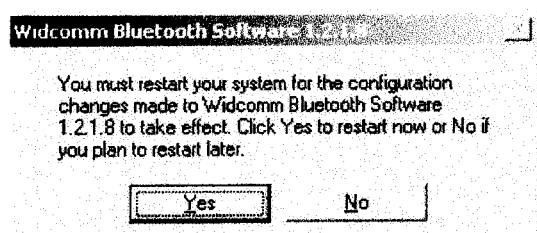
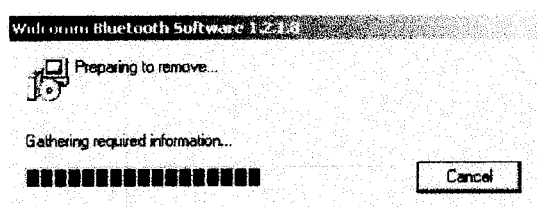
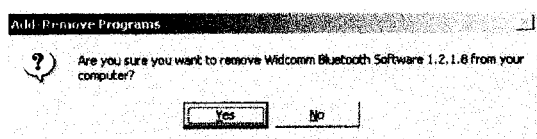
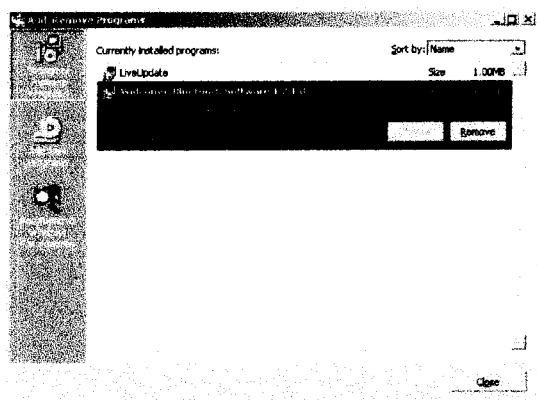
e) Click the **Change/Remove** button (Windows 2000). The *Install Shield Wizard* is started.

f) Click **OK** on the *Confirm File Deletion* window to remove the **Bluetooth Software** and all of its components.

g) When prompted, click **Restart** and then click the **Finish** button.



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INSTALL BTW

Windows 98 Second Edition (SE) and Windows Millennium Edition (Me) BTW requires that a number of Microsoft® Windows® networking components be installed before BTW can be successfully configured. If Windows 98SE or Windows Me was installed without the networking components, have the MS Windows CD available during the BTW installation

process. Under normal Windows 2000 installations you should not be prompted for the Windows CD; however you may want to have it on hand.

Install Shield Wizard

Installing BTW is an automated process made easy by the use of the Install Shield Wizard. You will need to:

- Read and acknowledge the License Agreement.
- Fill in some customer information, including the License Key.
- Fill in some device information.
- Make a few choices

Install Shield will uninstall the previous version of BTW, copy the required files, install drivers and virtual COM ports, set up the system registry, and register services.

Complete these steps to install BTW:

1. Exit all applications.
2. Insert the BTW CD. The auto-run option will start and the Install Shield Wizard setup dialog box is displayed. If auto-run does not occur, manually start the setup process—from the Windows taskbar, click **Start** followed by **Run** and select **setup.exe** on the CD.



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3. Follow the instructions on the screen:

a) On the *Welcome* screen, click the **Next** button.

b) (Skip this step if you have already uninstalled any previous version of BTW) Should Install Shield Wizard find a previous version of BTW on the personal computer, it will attempt to uninstall it. On the *Remove the Program* screen, click the *Remove* button. The *Uninstalling Bluetooth Software* screen displays the uninstall process progress. When complete, the system will reboot. Start the install process again, beginning at step 1.

c) 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.

d) On the *Customer Information* screen, enter the required information:

A User Name, for example, *John Smith*, An Organization name, for example, *ABC Software*.

The License Key provided by (see Section 1.4 – License Keys, for additional information). The format is:
XXXXXXXX-XXXXXXXX-XXXXXXXX-XXX
XXXXX. _ Click the **Next** button.

e) On the *Device Information* screen, enter

the required information: Device Name – other Bluetooth-enabled devices, when inquiring about devices within radio range, will see this user-configured device name. The name can be changed after the installation process through the BTW Configuration Panel. _ Device Type – click the down arrow and choose **Desktop** or **Laptop** from the drop-down list. The device type can be changed after the installation process through the BTW Configuration Panel. _ Click the **Next** button.

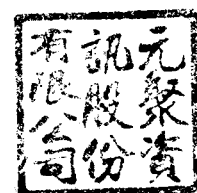
f) On the *Destination Folder* screen, click the **Change** button to browse to a new destination folder for the BTW software. Otherwise, click the **Next** button to accept the default folder.

g) The Install Shield Wizard is ready to install the BTW 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. The *Installing Bluetooth Software* screen displays the installation progress. If prompted to insert the Windows CD, do so and follow the on-screen instructions.

h) When the installation has complete, click the **Finish** button on the *Install Shield Wizard Completed* screen.

Install Shield Wizard Screen Shots

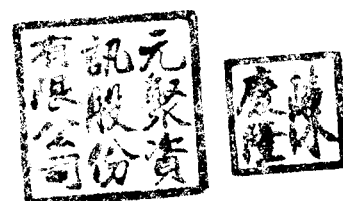
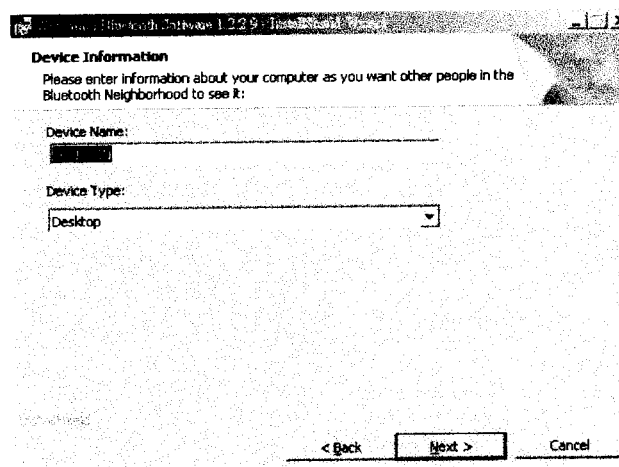
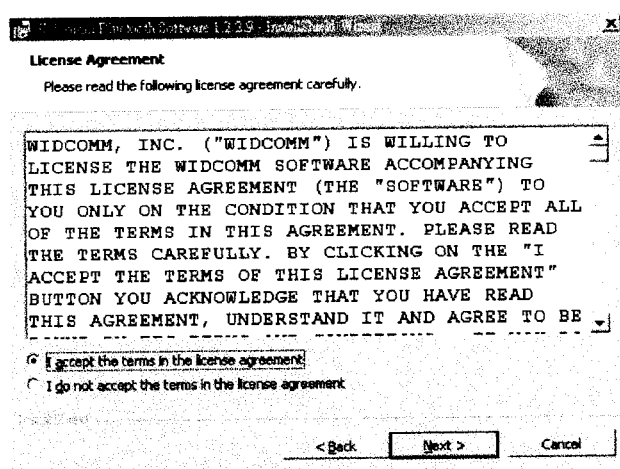
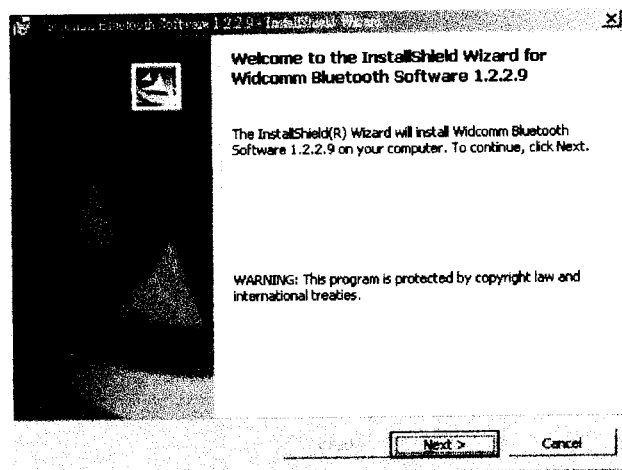
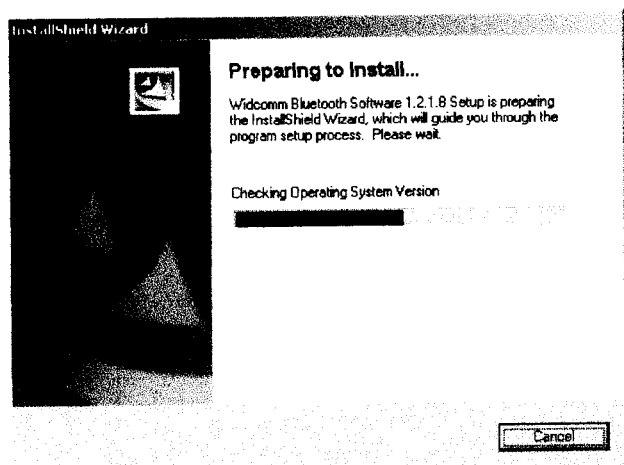
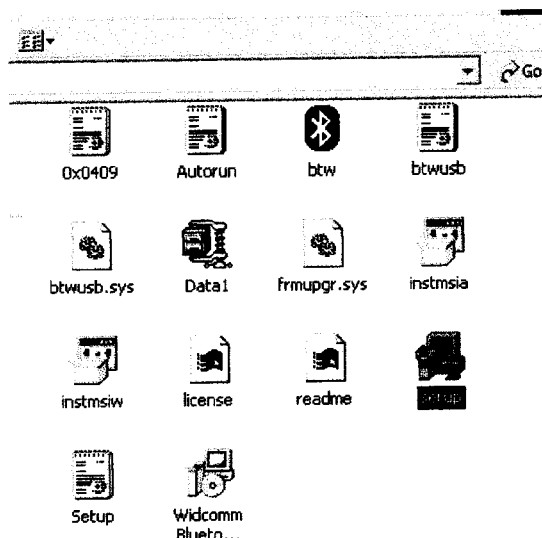
Install Shield Wizard contains screen shots



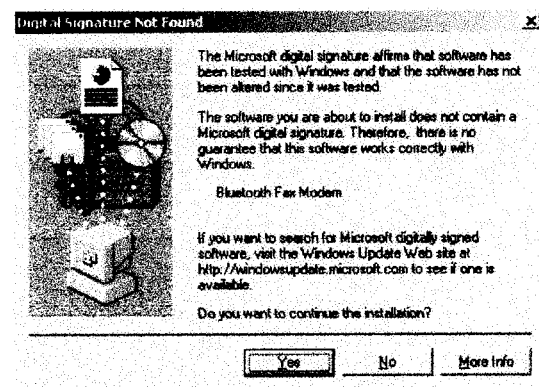
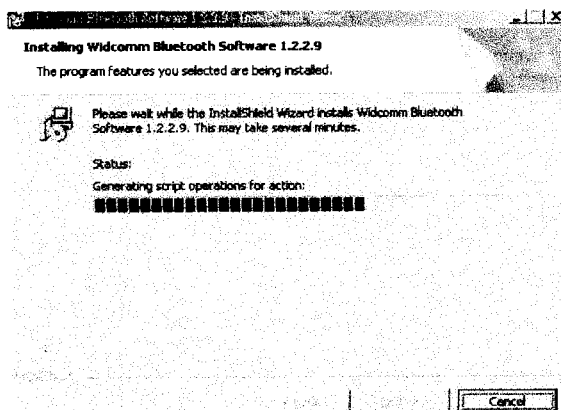
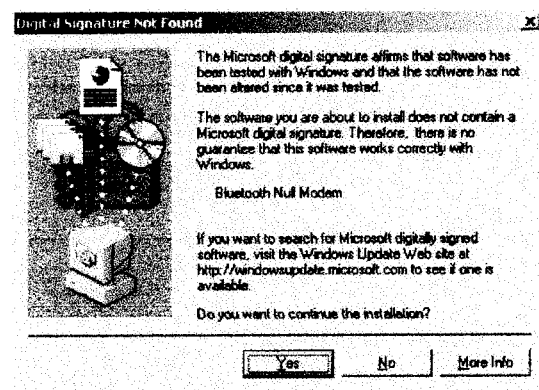
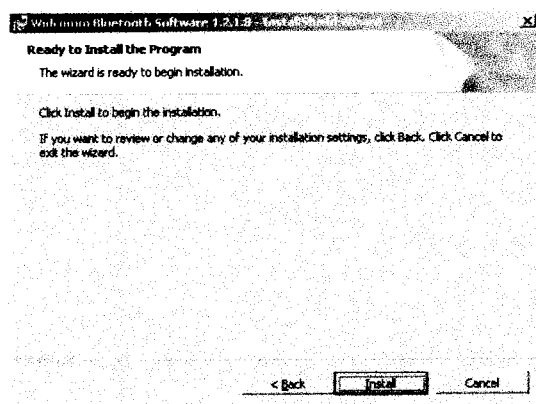
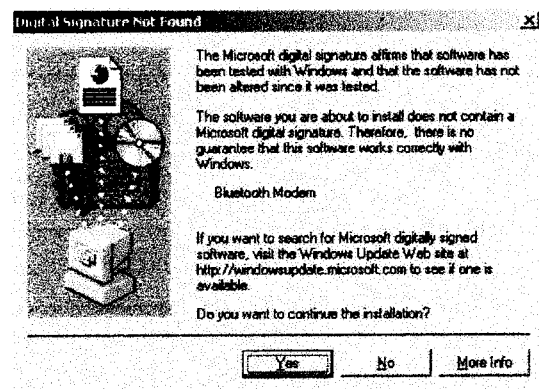
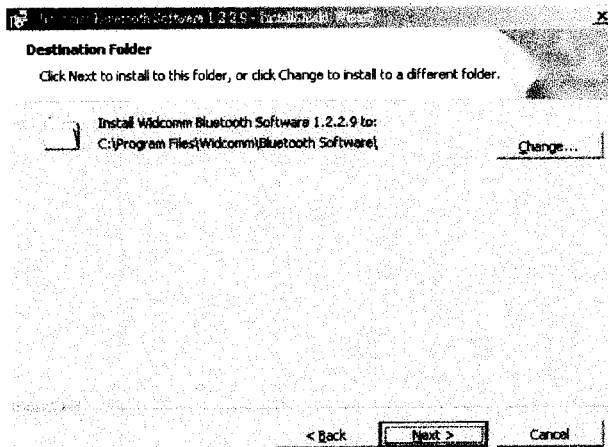
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of the InstallShield Wizard as it is displayed during the

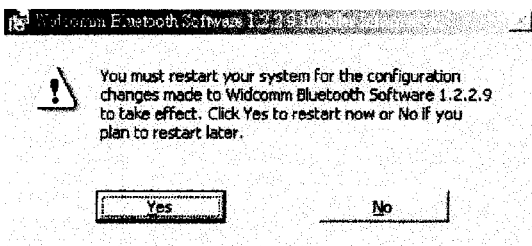
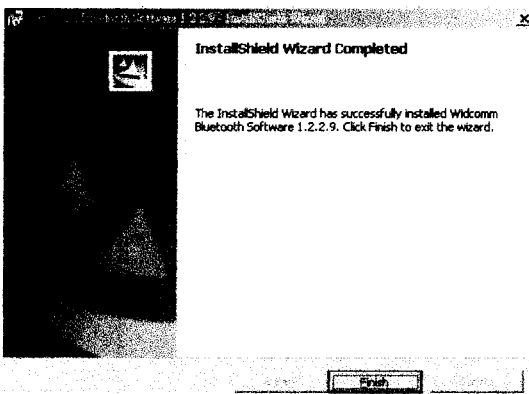
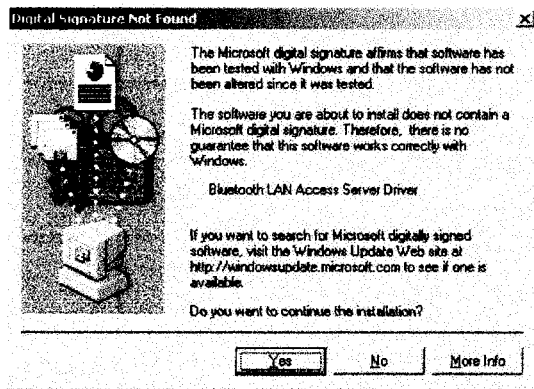
Installation of Bluetooth for Windows. The illustrations have been reduced in size.



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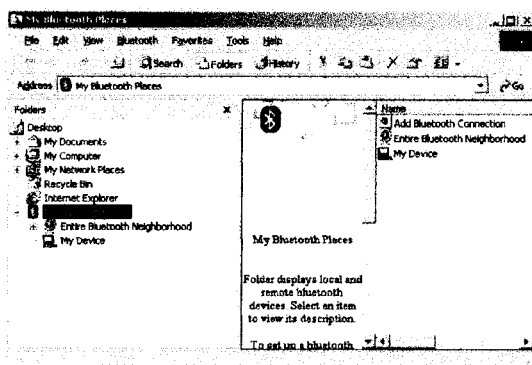


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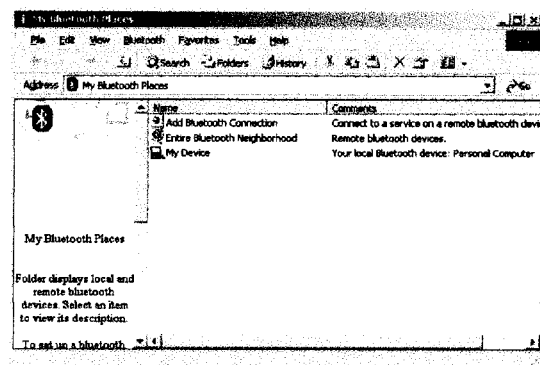
Chapter Three Basic Operations

Start Program

way 1



way 2



Find Bluetooth Devices

Search for Devices looks for Bluetooth devices in the vicinity and displays the devices it finds in My Bluetooth Places.

To start the Search for Devices:

- In the Folders pane of My Bluetooth Devices, select (highlight) a device name
- Open the Bluetooth menu and select Search for Devices.

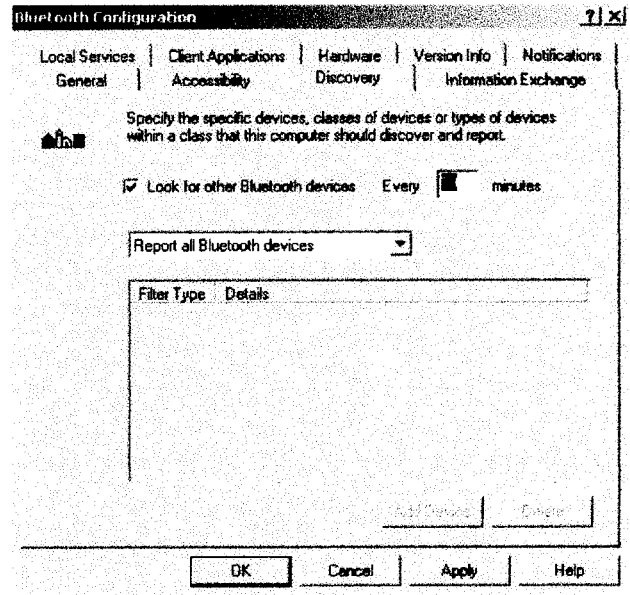
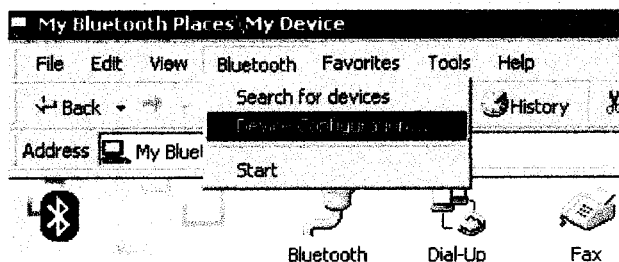
The Bluetooth menu is only visible when My Bluetooth Places is active.



Periodic Search for Devices

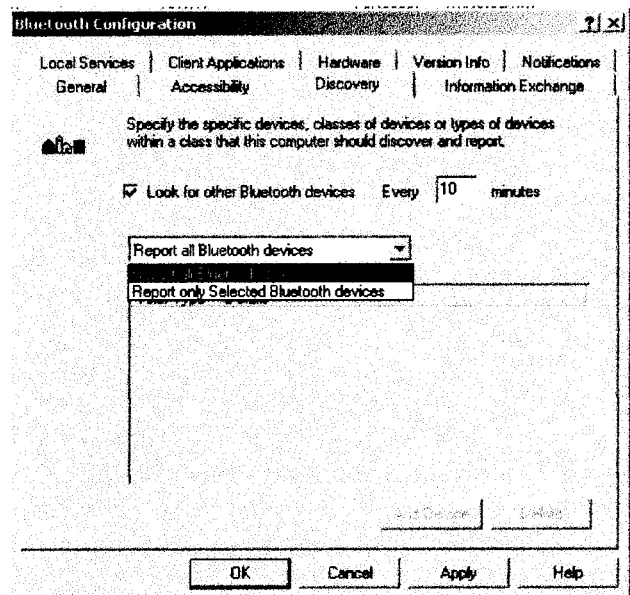
Bluetooth for Windows can be configured to automatically search for devices on a regular basis (Bluetooth Configuration Panel >Discovery tab).

One of the advantages of Bluetooth is the mobility 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 for Windows. 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 Find Bluetooth Devices, above.

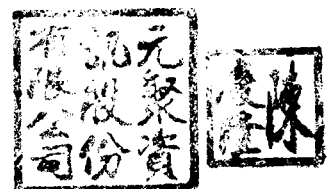


Some devices within connection range may not show up in the list of devices found because

- Your device is configured to report only specific types or classes of devices (Bluetooth Configuration Panel >Discovery tab, on your device).

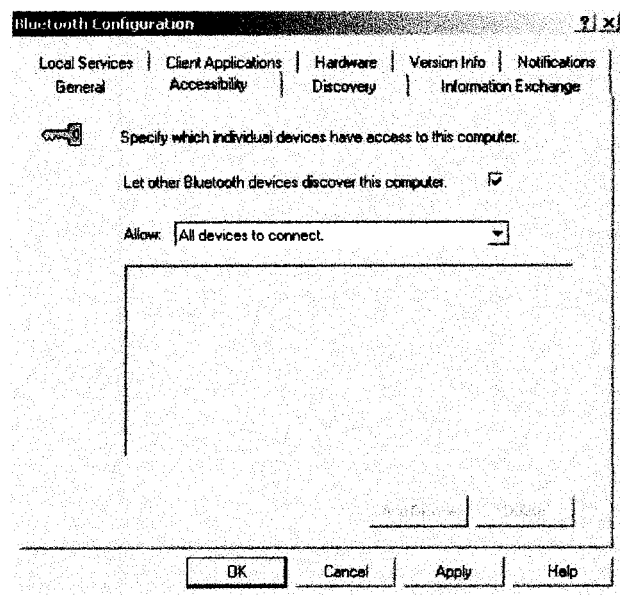


- The unlisted device is configured to be non-discoverable (Bluetooth



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Configuration Panel > Accessibility tab, on the un-listed device).



Find a Service

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

To initiate a Service Discovery, in the folders pane of My Bluetooth Places, right-click the device and select Discover Available Services from the pop-up menu.

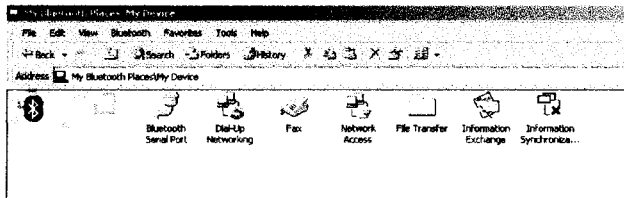
The services supported by Bluetooth for Windows are:

- **Bluetooth Serial Port** establishes a Bluetooth wireless connection between two devices. The connection may be used by applications as though a physical serial cable connected the devices.
- **Dial-up Networking** allows a Bluetooth client to use a modem that is physically attached to the Bluetooth server.
- **Fax** allows a Bluetooth client to wirelessly send a fax using a device that is physically attached to the Bluetooth server.
- **File Transfer** establishes a Bluetooth wireless connection that allows your computer to perform file system operations on another Bluetooth-enabled device browse, drag/drop, open, print, cut/copy, paste, delete, rename, etc.
- **Information Exchange** establishes a Bluetooth wireless connection between two devices so that they can exchange personal information manager data such as business cards, calendar items, email messages, and notes.
- **Information Synchronization** establishes a Bluetooth wireless connection between two devices and uses the connection to synchronize Personal Information Manager Data between the two devices.
- **Network Access** establishes a Bluetooth wireless connection between the client and a server that is physically connected to the Local Area Network. If the client has permission (user name and password for the LAN), the wireless connection can be used as if the client were hardwired to the LAN.



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All Bluetooth servers do not necessarily provide all of these services. For example, network gateways only provide access to the Local Area Network (the Network Access service).

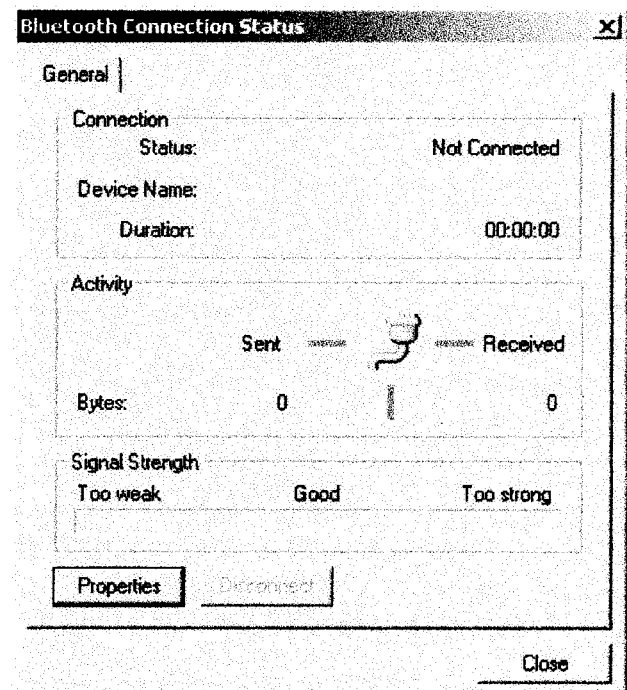
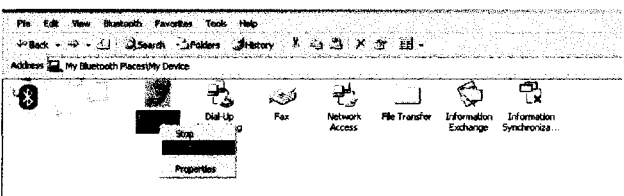


Bluetooth Connection Status

The Bluetooth Connection Status dialog box displays information about the state of a connection and provides a means to disconnect an active connection.

Display the Connection Status dialog box

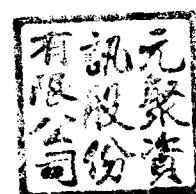
- In My Bluetooth Places, from the Folders pane, select (highlight) a device.
- In the right pane of My Bluetooth Places, right-click a service name and select Status from the pop-up menu.



Information provided is

- **Status:** Connected or Disconnected.
- **Device Name:** the name of the device to which this computer is connected.
- **Duration:** the length of time that this connection has been established, displayed in hours, minutes and seconds. Depending on the service, the connection may time out (automatically disconnect) after a specific period of inactivity.
- **Activity:** the number of bytes sent and received over the connection.
- **Signal Strength:** a variable scale that ranges from Too Weak through Good to Too Strong.

To change the power transmission level of this computer: from the Bluetooth



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Configuration Panel, Hardware tab, click the Advanced button, and then change the setting in the Maximum Power Transmission drop-down list.

The controls in the Bluetooth Connection Status dialog box are

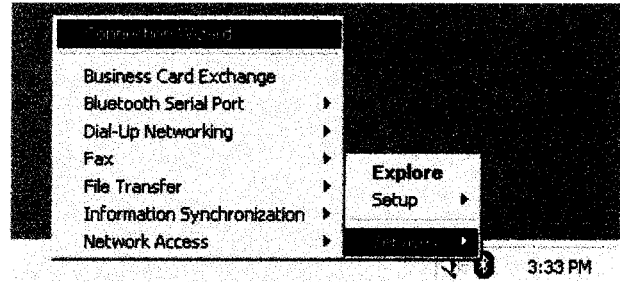
- **Properties** button: displays the Bluetooth Properties dialog box for this connection.
- **Disconnect** button: closes this connection.
- **Close** button: closes the Bluetooth Connection Status dialog box.

Bluetooth Connection Wizard

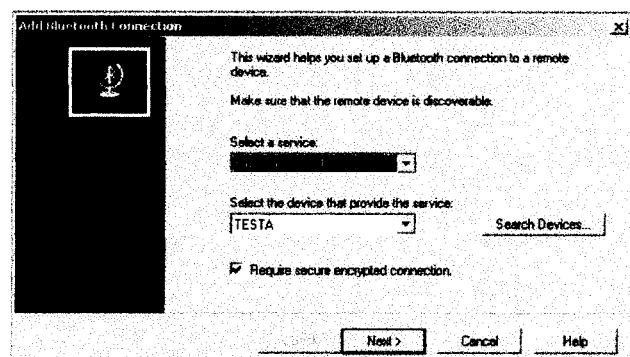
The Connection Wizard walks you through the process of setting up a new Bluetooth connection with another device. The connection is not actually established; instead, a shortcut is placed in the right pane of My Bluetooth Places. To use the connection, double-click the shortcut.

Setup a new connection

- **Open the Connection Wizard:** in the Windows system tray, right-click the Bluetooth icon, select Services from the pop-up menu, and then select Connection Wizard from the fly-out menu.



- On the first Connection Wizard screen:
 - In the Select a Service drop-down menu, select the *type* of connection that will be established. (The specific service will be selected later, if necessary.)
 - In the select a device that provides the service drop-down menu, select the device that will provide the service. (To update the list of devices displayed, click the Search Devices button.)
- Optional: select the require secure encrypted connection option to enable Authentication and Encryption for this connection.



- Click the Next button.
- If the service that was selected in the



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Select Bluetooth Service dialog box is not offered by the device that was selected in the select a device that provides the service drop-down menu, then the Select Bluetooth Service dialog box appears with a list of services that are offered by the selected device:

- Select a different service from the Select Bluetooth Service dialog box and click the OK button to proceed or
- Click the Cancel button to close the Select Bluetooth Service dialog box and return to the previous screen, from which you can select a different device.
- If more than one service of the type selected in the Select a Service drop-down menu (above) exists on the selected device, for example, multiple Bluetooth Serial Ports, and then the Select Bluetooth Service dialog box appears. Select the specific service to be used and then click the OK button to close the Select Bluetooth Service dialog box.
- If only one service of the type selected in the Select a Service drop-down menu (above) exists on the selected device, the next Connection Wizard screen appears.
- If "Require secure encrypted connection" was selected, above, a security screen appears.
- To establish a paired relationship with

the remote device while using this wizard, enter your Personal Identification Number in the PIN Code field and then click the Next button.

- To establish the paired relationship with the remote device the first time this connection is used, leave the PIN Code field blank and click the Next button.
- On the last Connection Wizard screen:
 - The top of the screen provides basic information about the new connection the name of the device that will provide the service and the name of the service that will be provided. If this information is NOT correct, click the Back button to return to the previous screen and from that screen select the correct service and device.
 - In the connection Name: field, enter a descriptive name for the connection, for example, T Serial Connection to Joe Desktop.
 - Optional: select make <selected_device> the default Bluetooth device for <service_name> to make this connection the default when using this service. For example, if this option is selected and the text reads make Joe Desktop the default Bluetooth device for the Bluetooth Serial Port service then Joe Desktop will become the



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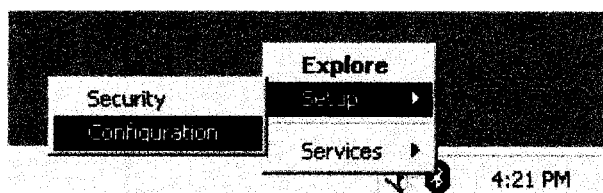
default device to be connected to when establishing the Bluetooth Serial Port connection.

Bluetooth Tray

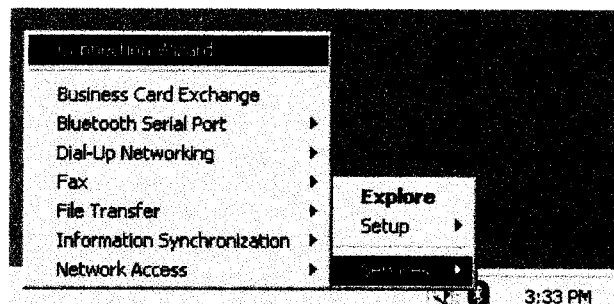
The Bluetooth Tray resides in the Windows System Tray, which is normally located in the lower-right corner of the screen. Bluetooth Tray provides fast access to many routine Bluetooth operations.

From BTTray you can:

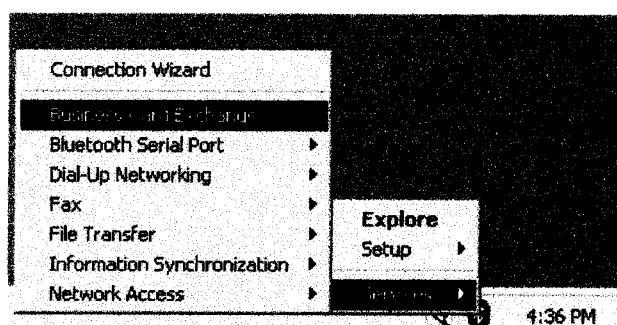
- **Access My Bluetooth Places** double-click the Bluetooth icon.
- **Access the Bluetooth Configuration Panel** Right-click the Bluetooth icon, selects Setup, and then selects Configuration from the fly-out menu.



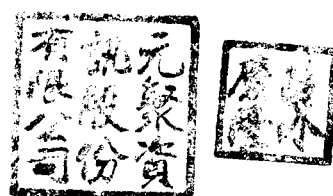
- **Access the Bluetooth Security dialog box** Right-click the Bluetooth icon, select Setup, and then select Security from the fly-out menu.
- **Access the Bluetooth Connection Wizard** Right-click the Bluetooth icon, selects Services, and then selects Connection Wizard from the fly-out menu.



- **Exchange Business Cards with another Bluetooth Computer** right-click the Bluetooth icon, selects Services, and then selects Business Card Exchange from the fly-out menu.



- **Search for and connect to a specific service** right-click the Bluetooth icon, select Services, and then select the desired service from the fly-out menu. An additional fly-out menu will appear that contains one or more options, including:
 - Find Devices or other Devices and one or
 - more device names. The device name(s) will be present if this computer has used this service, and connected via this technique, at least once before. If a



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device name is present in the fly-out menu, selecting that device will re-initialize the connection.

Send to Bluetooth

This feature is used to send information to another Bluetooth device. Data types include:

- Files from Microsoft Explorer
- Documents from Microsoft Office applications, including:
 - Word
 - Excel
 - Access
 - PowerPoint
- Contacts, appointments, tasks, messages, and notes from Microsoft Outlook.

To use Send to Bluetooth

- In the application:
 - **Microsoft Explorer** selects one or more files to be transferred. Folders cannot be transferred.
 - **Microsoft Office** only the document in the active window can be transferred.
 - **Microsoft Outlook** selects one or more

items to be transferred.

- From the File menu, select Send To, and then select Bluetooth from the fly-out menu.
- Select other to display the Select Device dialog box, or
- Select a device from the sub-menu.
- Click the OK button to send the data.

A dialog box displays progress.

