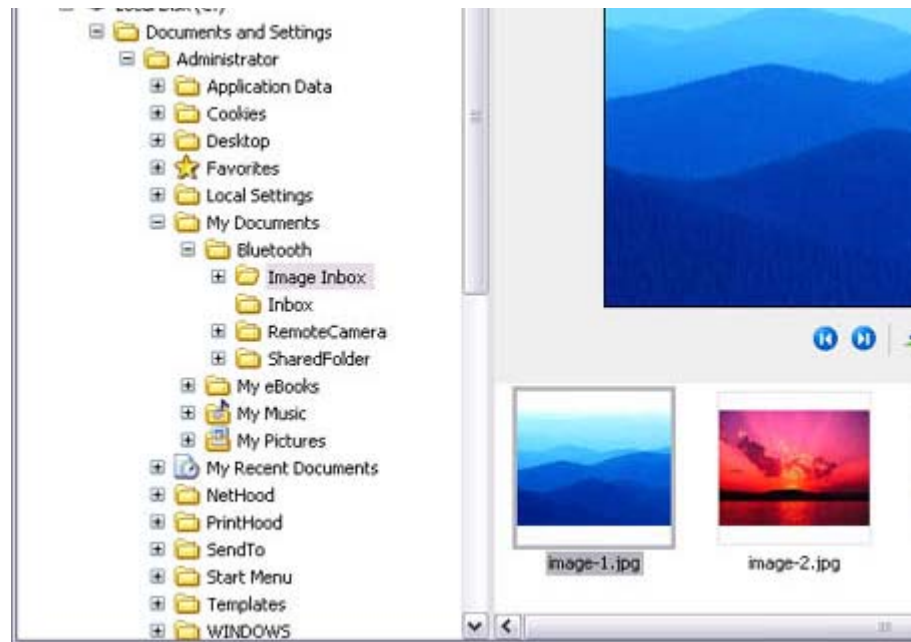




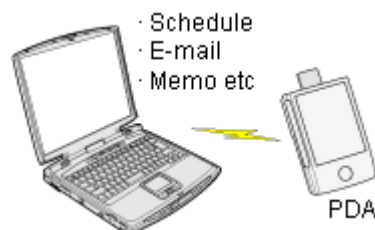
#### Note

- This window is an example showing pictures when [Filmstrip] has been selected for the [View] menu in Explorer.

## Synchronising information using ActiveSync [SPP]

This section describes how to synchronize information on your PDA (calendars, contacts, and etc) with your PC using Microsoft ActiveSync.

When you connect via Bluetooth instead of with a standard cable, you will always be able to synchronise your data without the hassle of having to connect the cable.



- [Connecting using ActiveSync](#)
- [Establishing a partnership between ActiveSync and a PDA](#)
- [Finishing an ActiveSync connection](#)
- [Cancelling a partnership](#)

#### ★ Important

- Please use ActiveSync v.3.7 or higher. Also please establish a partnership between the devices using a USB or infrared link before you connect via Bluetooth.
- Please refer to the ActiveSync Help or other manuals for information on how to use the application.
- Microsoft Outlook 2002 or another schedule management tool must also be installed on PC.

## Connecting using ActiveSync

Both the PC and PDA must be set up in order for a connection to be established.

### ■ Preparing the PC

#### Procedure

1. On the PC, click on [Start] → [All Programs] → [Microsoft ActiveSync]  
The initial ActiveSync set-up window will appear.  
It is assumed in the explanation below that no ActiveSync connections have been established with other devices.



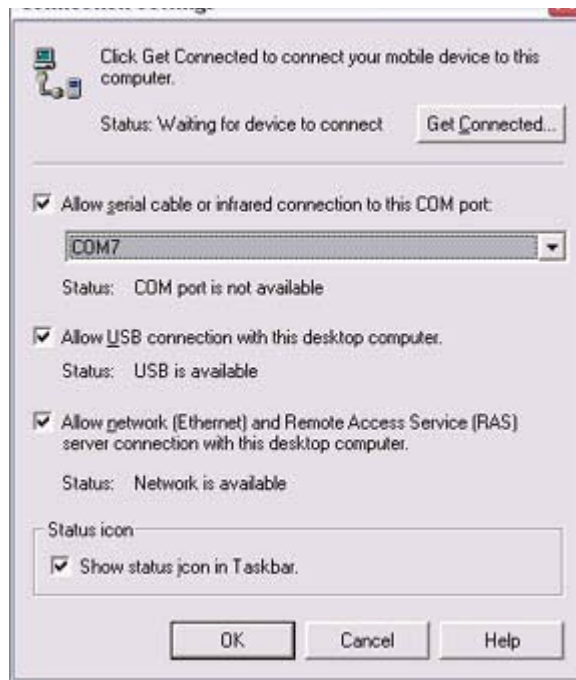
2. Click [File] → [Connection Settings]



The [Connection Settings] window will appear.

3. Place a check next to [Allow serial cable or infrared connection to this COM port] and then select "COM7".





#### Note

- In the standard set-up, the port is configured to "COM7" (refer to Steps (3) (4) under "Preparing the PDA" below). When using a different port, please change the port number selected in this window.

### ■ Preparing the PDA

#### Procedure

1. Tap on the Bluetooth icon in the bottom right of the screen



#### ★ Important

- The graphic above shows an example of a PDA operating window. The connection procedure may be different depending on the manufacturer model of PDA you use. Please refer to the product instruction manuals for further details.

The [Bluetooth Settings] window will open

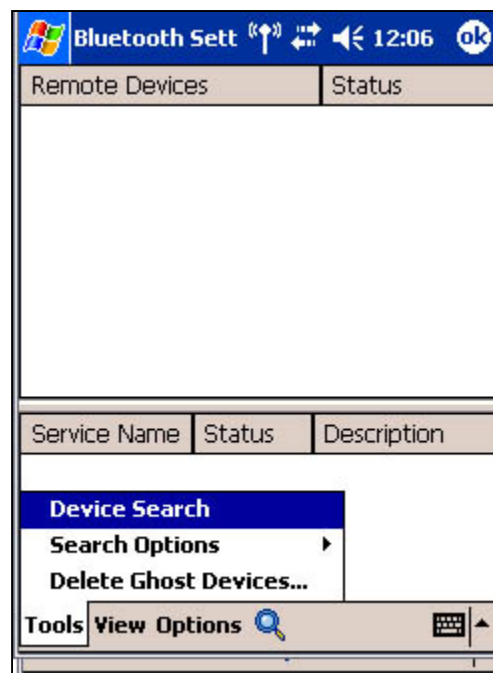
The [Bluetooth Settings] window will open.

The message "Connection not registered" will appear if no Bluetooth device has registered.



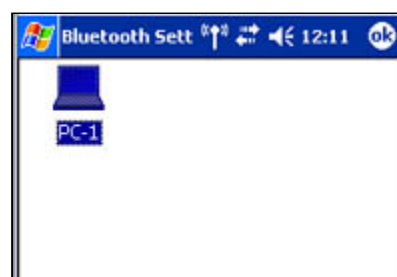
Please tap on [OK] to close the message.

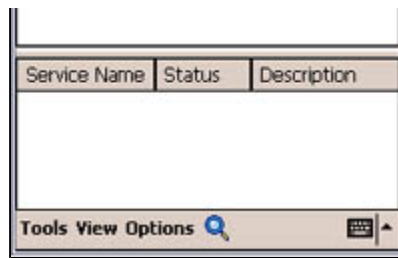
2. Double click on [Tools] → [Search for peripheral components]



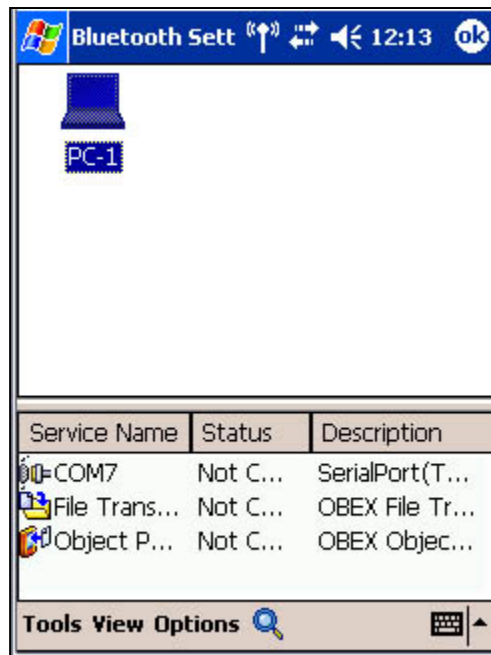
The application searches for nearby Bluetooth devices.

3. Tap and hold on the destination PC icon, and then select [Update Services]

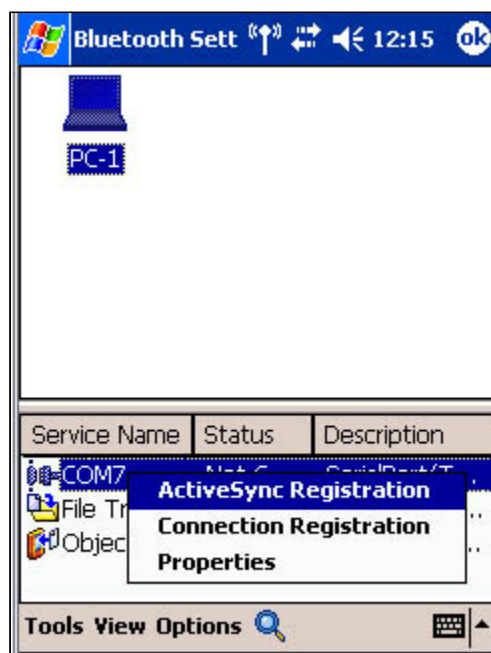




A search for services will be carried out, and then a list of service names and the connection status will appear as list in the lower window.



4. Tap and hold on "COM7" from the list of service names, and then select "Register ActiveSync".



5. Tap [OK] in the confirmation message window



An ActiveSync connection will be initiated.

### Establishing a partnership between ActiveSync and a PDA

Once a connection has been successfully established with a PDA, the procedure for establishing a partnership with the PDA will be started by the ActiveSync application on PC.

Performing this set-up procedure will enable data to be synchronised between your PC and a PDA.

#### Procedure

1. In the [New Partnership (Set Up a Partnership)] window, select "Standard partnership", and then click on the [Next] button



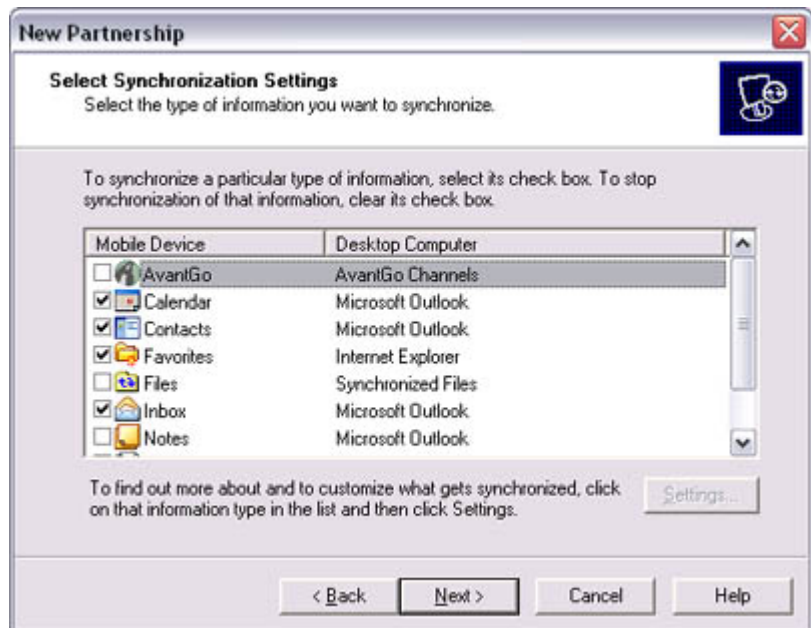
The [New Partnership (Specify Data Synchronisation Method)] window will app

2. Select "Synchronise with this PC", and then click on the [Next] button



The [New Partnership (Select Synchronisation Settings)] window will appear.

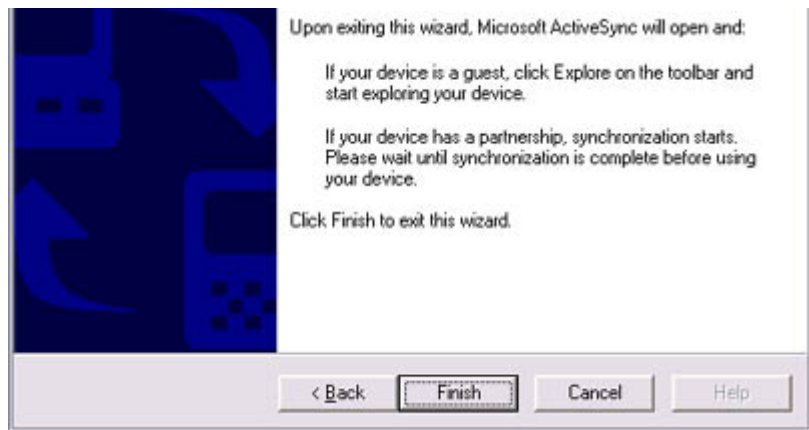
3. Select the type of information to be synchronised between your PC and PDA, and click on the [Next] button



The [New Partnership (Completing Setup)] window will appear.

4. Click on the [Finish] button





When you click on the [Finish] button, ActiveSync will begin to synchronise your information.

[Confirming changes]



↓  
(Synchronisation process)  
↓

[Synchronisation complete]



While the ActiveSync connection is active, synchronization will be performed

whenever information is changed on either the PC or the PDA.

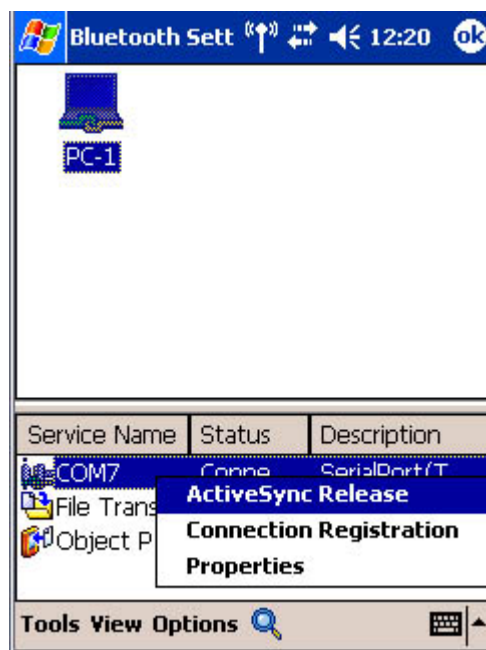
Once a partnership has been established, every time you start your PC (and PDA thereafter, a Bluetooth connection will be opened and ActiveSync will synchronize your information.

### Finishing an ActiveSync connection

Follow the procedure below on your PDA if you want to end an ActiveSync connection manually.

#### Procedure

1. Tap and hold on "COM7" in the Bluetooth Settings window, and select [ActiveSync Release]



### Cancelling a partnership

Follow the procedure below from the ActiveSync window on the PC if you want to cancel partnership between your PC and PDA.

#### Procedure

1. Click on [File] → "Delete partnership"





Click on the [Yes] button when the confirmation message appears.

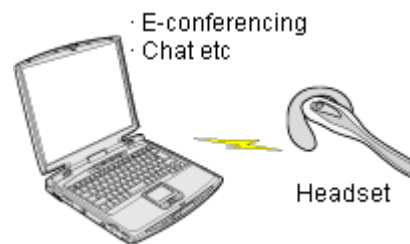


#### Note

- If you wish to create another ActiveSync connection, you will have to repeat the above procedure to re-establish a partnership.

## Using a headset to communicate [HSP]

This section provides a description of how to use a Bluetooth -compatible wireless headset to communicate (chat) using Microsoft NetMeeting or other software.



- [Registering the headset](#)
- [Making a connection to the headset](#)
- [Disconnecting from the headset](#)

## Registering the headset

### Procedure

1. Right-click on the Bluetooth icon in the taskbar, then click on [Add New Connection Wizard]



 **Note**

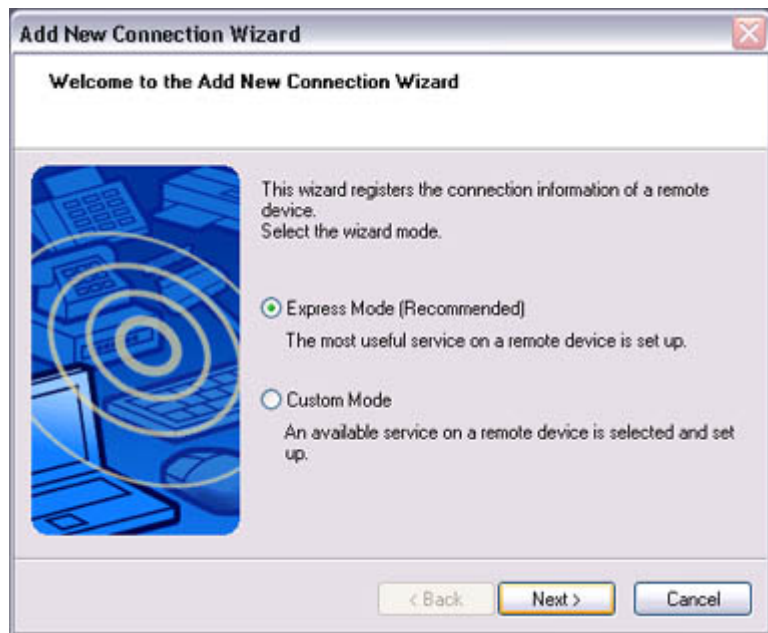
- Alternatively, you can click on [Start]>[All Programs]>[Bluetooth]>[Bluetooth Settings], then click on [New Connection] in the [Bluetooth Settings] screen has opened.

The [Add New Connection Wizard (Welcome to the Add New Connection Wizard) screen will appear.

2. Turn the headset power on  
Once you have turned on the headset, set the mode to enable a Bluetooth connection.

 **Important**

- The procedure for operating the headset may differ depending on the manufacturer and model.  
Please consult your user guide for a detailed description of how to operate unit.
3. Confirm that [Express Mode] has been selected, then click on the [Next] button



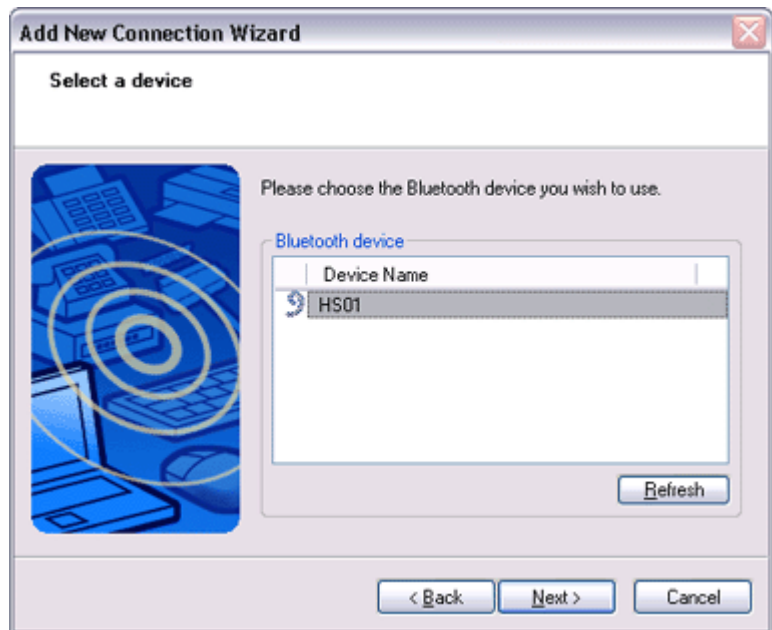
The [Add New Connection Wizard (Searching for Bluetooth Devices)] screen will appear.





Once the device search has been completed, the [Add New Connection Wizard (Configuring (Connecting to Voice Circuit))] screen will appear.

4. Select the name of the headset device from the list, then click on the [Next] button.



5. Answering with the headset  
If the service has been properly detected, a screen will appear indicating that the headset is being called, and a tone will accordingly sound in the headset.



Please press the headset switch.

#### ★ Important

- The procedure for operating the headset may differ depending on the manufacturer and model.  
Please consult your user guide for a detailed description of how to operate unit.

The [Add New Connection Wizard (Configuring (Connecting to Voice Circuit))] screen will appear, and device configuration will be performed.

**Note**

- If you are connecting to the headset for the first time, or if another Bluetooth audio device has not yet been registered, the following [Found New Hardware Wizard] screen will appear, from which you can proceed to install the driver.

If another audio device has already been registered (i.e., the driver has been installed), you can proceed to Step 9 without having to install the driver.

6. Click on the [Next] button



The [Install Hardware] screen will appear.

7. Click on the [Continue Anyway] button  
The following screen will appear automatically. You may disregard it and click on the [Continue Anyway] button.



The [Add New Connection Wizard (Completing the Found New Hardware Wizard) screen, which is the final screen of the installation wizard, will appear.

8. Click on the [Finish] button

8. Click on the [Finish] button



Once driver installation is complete, the [Add New Connection Wizard (Enter Connection Name)] will appear.

9. Confirm the information you have entered, and click on the [Next] button



The [Add New Connection Wizard (Completing the Add New Connection Wizard) screen will appear.

10. Click on the [Finish] button

The configuration information will be registered, and an icon will be displayed in [Bluetooth Settings] screen.



## Making a connection to the headset

You can make a connection to the headset from an icon that has been registered in [Blue Settings].

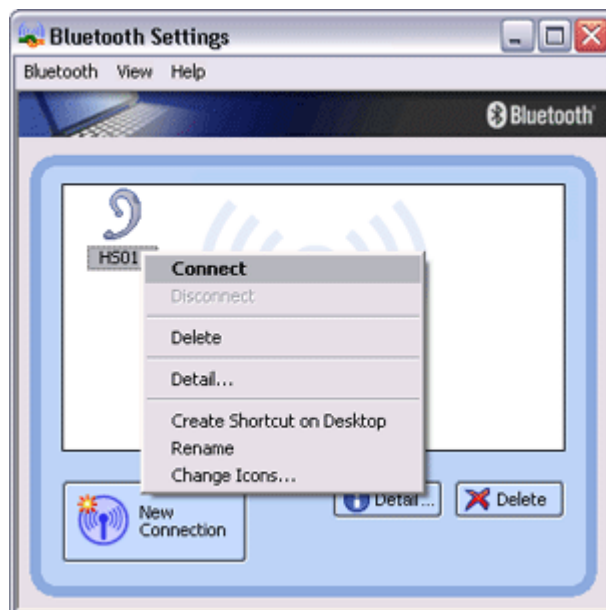
### Important

- Before making a connection to the headset, please check that you have turned on the headset's power, and that it has been enabled for a Bluetooth connection. Please ensure that the following audio -related applications have been closed before connect the headset to your PC.
  - Windows Media Player, BeatJam, InterVideo WinDVD and other music/audio playback software
  - Windows Messenger and other e-conferencing software

If you wish to use these applications, please terminate the headset connection before launch them.

### Procedure

1. Right-click on the headset icon, then click on [Connect].



2. Answer with the headset

A screen will appear indicating that the headset is being called, and a tone will accordingly sound in the headset. Please press the headset switch.





If the connection has been properly established, the icon's appearance will change to indicate a connected state.



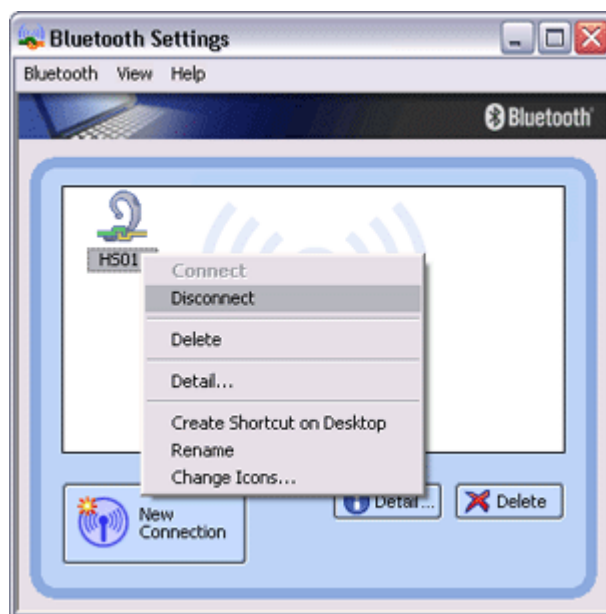
You may now launch conferencing and voice-recognition software and use the headset.

## ● Disconnecting from the headset

Please follow the steps below to disconnect from the headset.

### Procedure

1. Right-click on the headset icon in the [Bluetooth Settings] screen, then click on [Disconnect].



A message will appear, requesting confirmation that you wish to disconnect. Click the [Yes] button.

The icon on the [Bluetooth Settings] screen will appear as shown below, indicating that the device has been disconnected.



## ● Making a device undiscoverable to other users

For security purposes, you may not wish your device to be detected by other Bluetooth users. The procedure for accomplishing this is provided below.

 Procedure

1. Right-click on the Bluetooth icon in the task tray, and click on [Device Properties Security]



The [Device Properties] window will appear.

2. Select [Non-discoverable mode] in [Discoverability mode] under the [Security] tab and then click on the [OK] button



Your device will now be undetectable by other users, even when they search for devices.

 Note

- Other devices are still able to establish connections with your device even if you have enabled the Non-discoverable mode.  
Please enable "Non-connectable mode" if you wish to reject connections from other devices.

Related topic: "[Bluetooth Manager](#)"

## Encrypting the content of your transmissions

Since Bluetooth communication is conducted wirelessly, there is always the possibility that a party may be able to intercept your transmissions. You can use encryption to render the content indecipherable to anyone who manages to intercept it.

### Important

- Encrypting your transmissions will still not guarantee complete security. Accordingly, please be aware that transmitting data is conducted with an element of risk for the user

### Procedure

1. Right-click on the Bluetooth icon in the task tray, and click on [Device Properties Security].



The [Device Properties] window will appear.

2. Select [Link Level Enforced Security] in [Security Mode] under the [Security] tab, and then click on the [OK] button





#### Note

- Once you have configured the security mode, a window will appear when you first a connection to another device, prompting you to enter a Bluetooth passkey (PIN c Please click on the [OK] button after you have entered the passkey.



- The window in which you enter the passkey will not appear once you have connect more than two times to the device.

Related topic: "[Bluetooth Manager](#)"

## Changing the default connection

The "default connection" refers to the dial -up connection configured for use whenever a connection is made to the Internet.  
If several connections have been registered, you can change the default connection by follow the procedure below.

#### Procedure

1. Start Internet Explorer
2. Click on [Tools]→[Internet Options...]



The [Internet Options] window will appear

The [Internet Options] window will appear.

3. Click on the [Connections] tab



In this window, "Direct Connection" is set as the default, and "Never dial a connection" has been selected. Change the settings so that "London A" will always be dialled when you connect the Internet.

4. Select "Always dial my default connection"



5. Click on "London A", and then click on the [Set Default] button



"London A" has been changed to the default connection.



 **Note**

- Alternatively, if you wish to connect to the Internet from a LAN in a company or c environment where a LAN can be accessed, select "Never dial a connection" if you a dial-up configuration, but do not want dial-up to occur automatically.
- When connecting to the Internet via a LAN, you must enter the appropriate LAN settings under [LAN Settings...].

## Sending business card data from Outlook

This section describes how to send business card data wirelessly using Microsoft Outlook

### Note

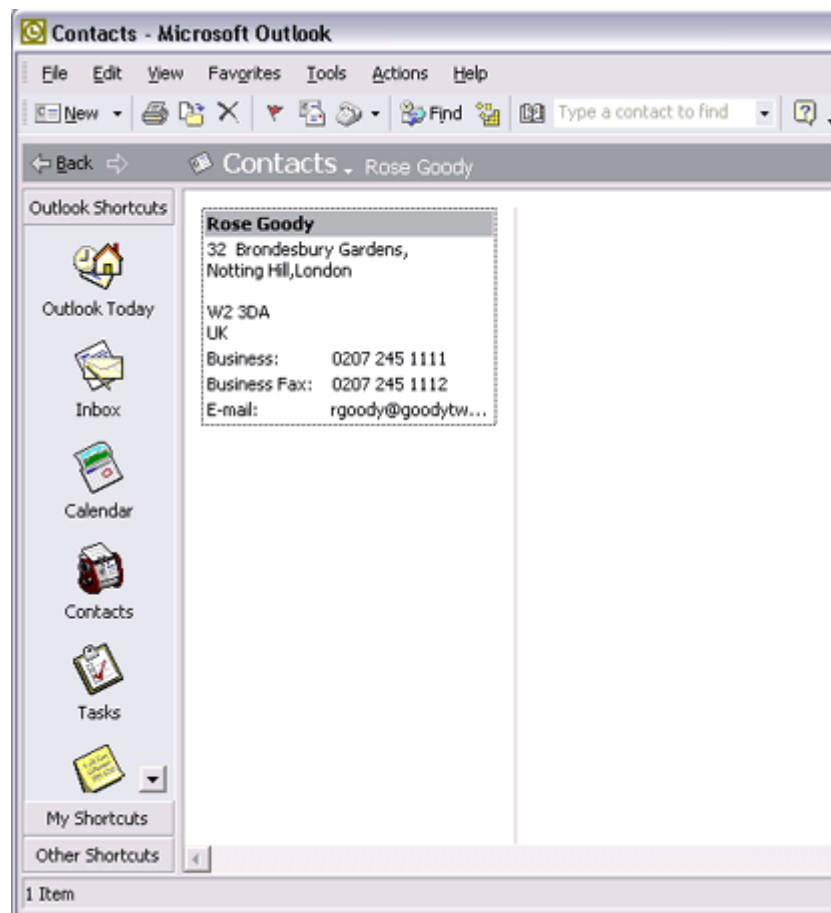
- The explanation below relates to an example in which Microsoft Outlook 2002 has been used to perform the procedure. Subtle differences may arise when using other versions of software.

## Sending business card data

You can send business card data directly from the "Contacts" window in Outlook.

### Procedure

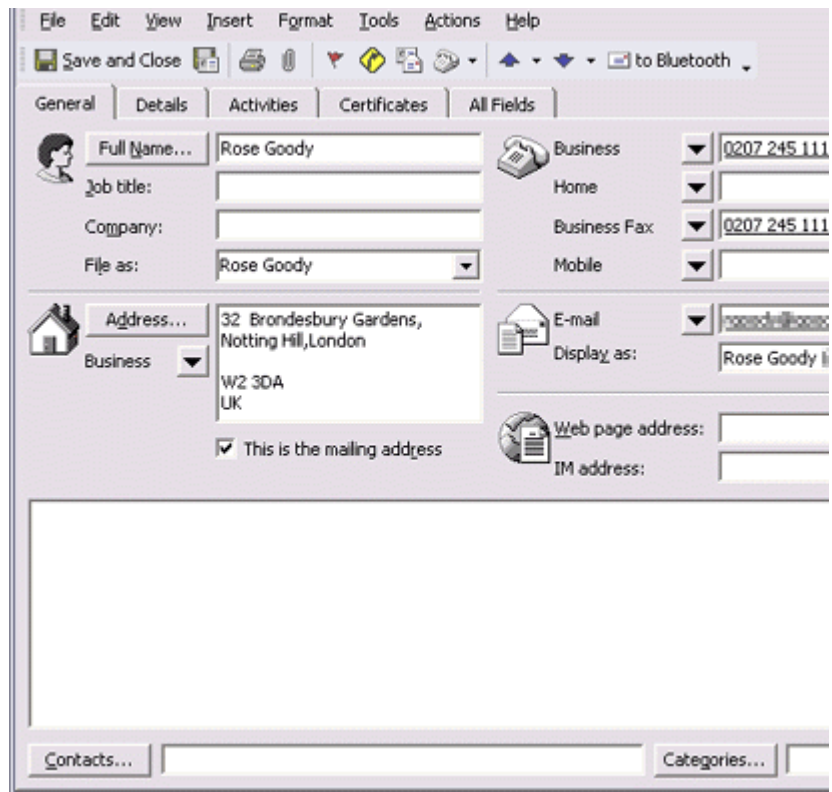
1. Start Microsoft Outlook, and open the "Contacts" window



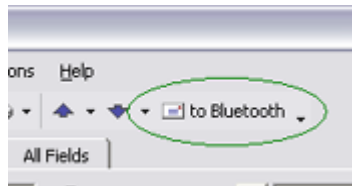
2. Double-click on the contact whose details you wish to send as a business card

The details of the contact you selected will appear.





3. Click on the [to Bluetooth] from the toolbar



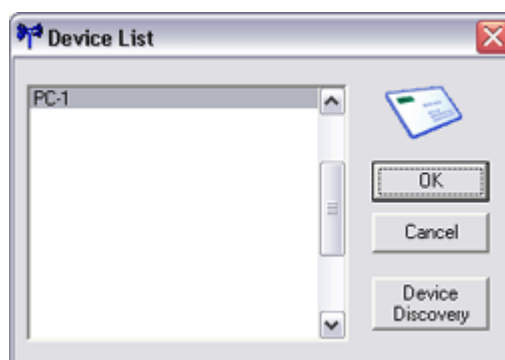
The [Device List] window will appear.



#### Note

- If the [to Bluetooth] button does not appear on the toolbar, please refer to [Installing business card-sending functionality in Outlook as an Add-in](#) and change the settings accordingly.

4. Select the destination for the business card data, and then click on the [Send] but



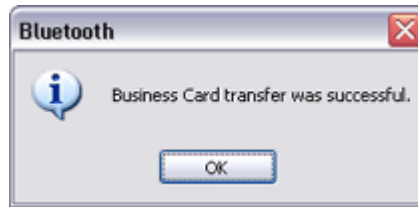
#### Note



- If you cannot find the destination device in the list, please click on the [Searching for devices] button to discover it.

The business card will be sent.

If the business card has been sent successfully, the message below will appear.



#### Note

- If the transmission was unsuccessful, please attempt to send the data once 1 after having confirmed the operating conditions (power status, security sett etc) of the destination device.

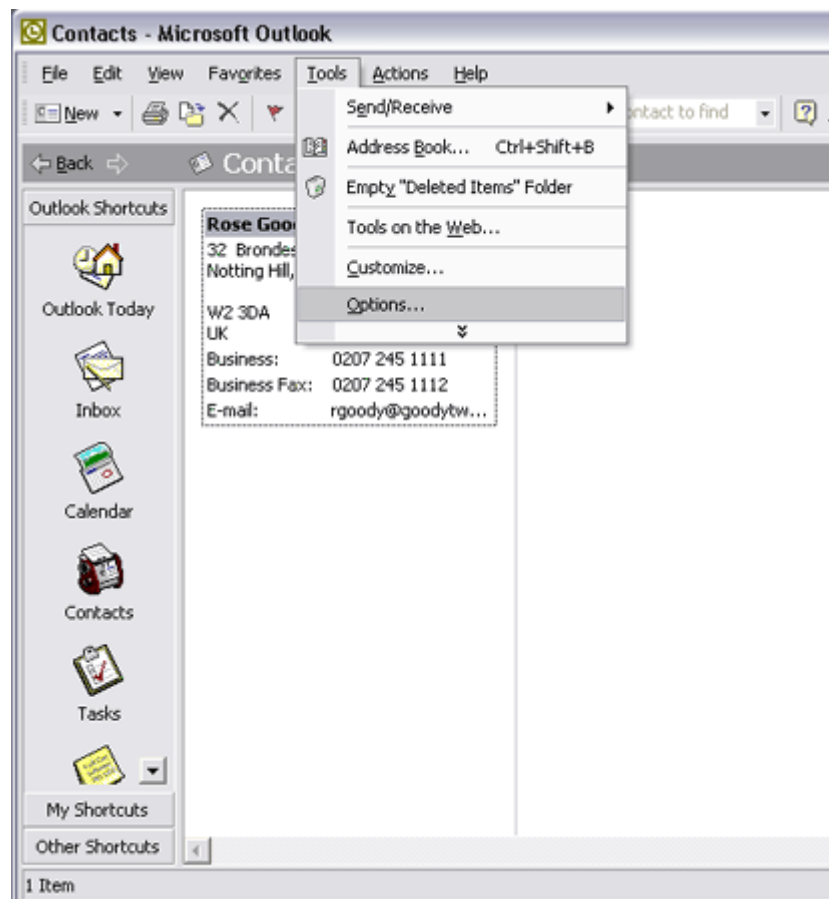
#### ■ Installing business card -sending functionality in Outlook as an Add-in

You can install one of the functions of the Bluetooth Utility in Outlook as an "Add-in", will enable you to send business cards from the Outlook toolbar.



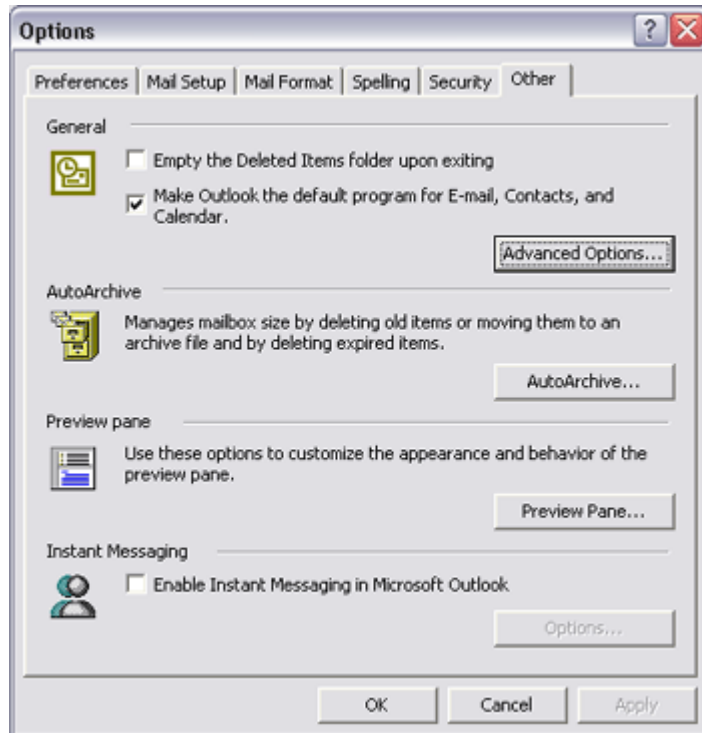
#### Procedure

1. Click on [Tools]-[Options...] in Outlook



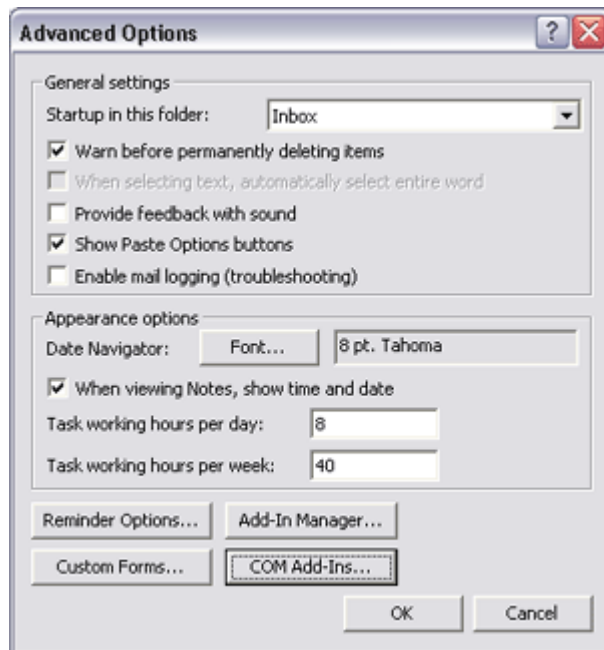
The [Options] dialog box will appear.

2. Select the [Other] tab, and then click on the [Advanced Options...] button in the "General" field



The [Advanced Options] dialog box will appear

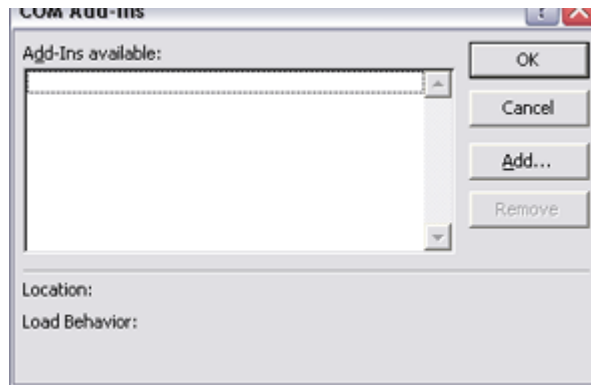
3. Click on the [COM Add-Ins...] button



The [COM Add-Ins] dialog box will appear.

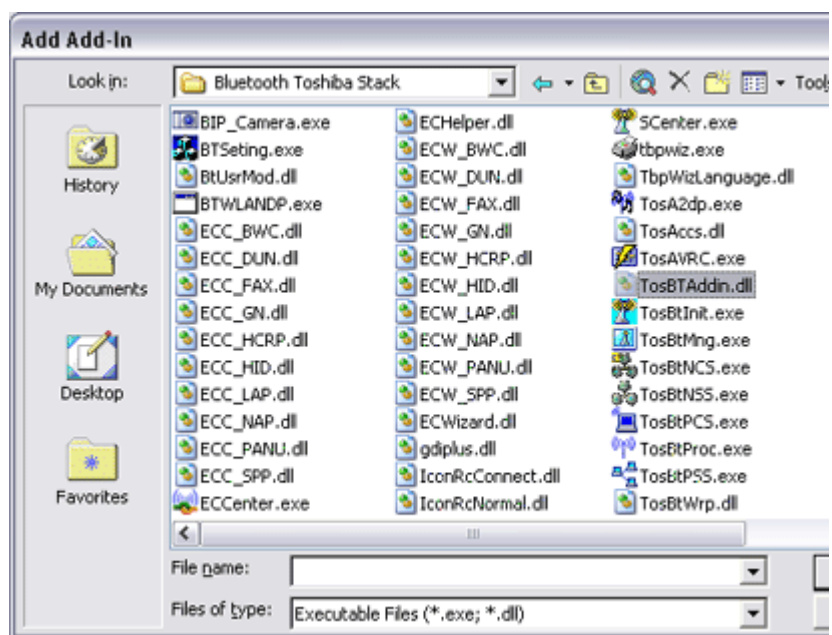
4. Click on the [Add...] button





The [Add Add-In] dialog box will appear.

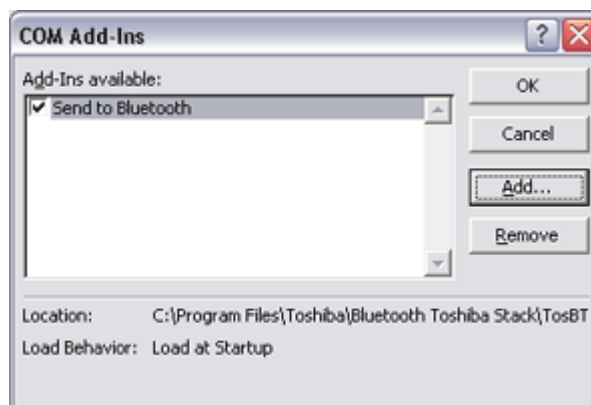
5. Select "TosBTAddin.dll", and then click on the [OK] button



Note

- "TosBTAddin.dll" can be found on the hard drive at the address below.  
C:\Program Files\Toshiba\Bluetooth Toshiba Stack

6. Confirm that "Send to Bluetooth" has been added to the list and that a check app next to it, and then click on the [OK] button



This will complete the Add-in process.

This will complete the Add-in process.

## Manually creating a virtual Bluetooth COM port

In order for a PC to connect to and communicate with a Bluetooth device, the Bluetooth Utility will create a gateway for data to be exchanged between the respective devices. This gateway known as a "port" (or "virtual COM port").

Since one virtual COM port will be allocated to each device, trouble -free communication will be possible even if several devices are being used.

When you use the Bluetooth Utility, a virtual COM port will be automatically created on set; however, virtual COM ports can be created manually if so needed.



### Note

- [Bluetooth Manager](#) must be active in order for you to be able to use Bluetooth Local C

## Clients and servers

When Bluetooth communications are performed, there will always be a "client/server" relationship between the various devices. A "client" is a device that sends certain request to another device, while a "server" is a device that provides a service on receipt of such request from another device.

For example, when a PC issues a print command to a wireless printer, the PC functions as a client, while the printer functions as the server.

When a PDA or other device attempts to receive files located on a PC by means of file transfer protocol, the PC functions as the server, while the PDA functions as the client.

Virtual Bluetooth COM ports can be created both for clients and servers.

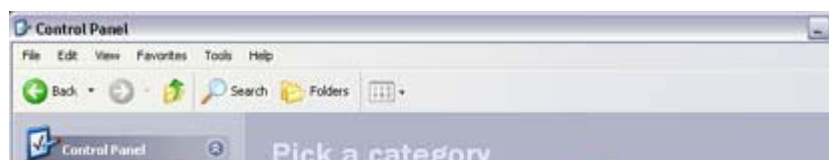
- **Bluetooth virtual COM port for a client**  
Virtual COM port used when your device is the client, and requests are sent to another device.
- **Bluetooth virtual COM port for a server**  
Virtual COM port used when your device is the server, and requests are received from another device.

## Creating a virtual COM port

Bluetooth virtual COM ports are created according to the procedure below.

### Procedure

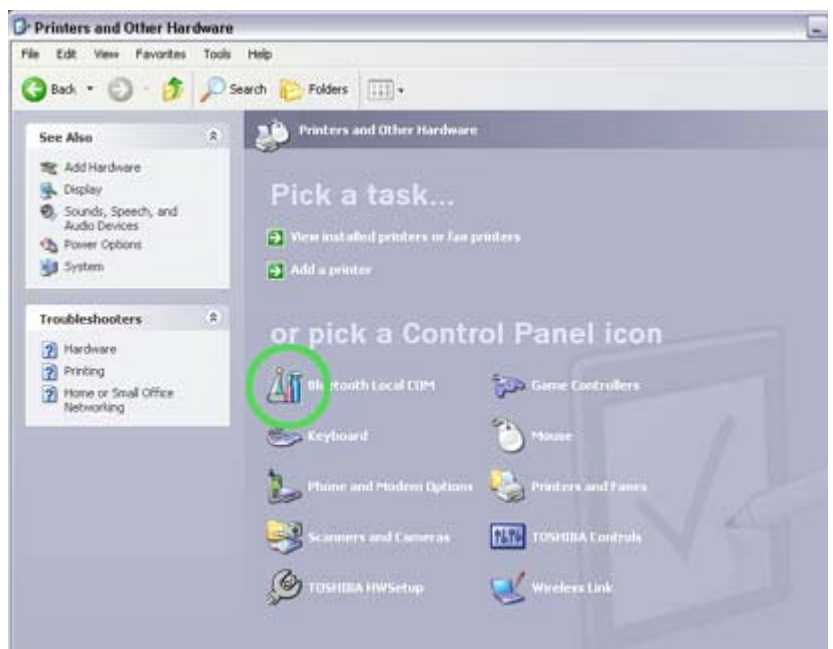
1. Click on the [Printers and Other Hardware] icon in the Control Panel





The [Printers and Other Hardware] window appears.

## 2. Double-click on the [Bluetooth Local COM] icon

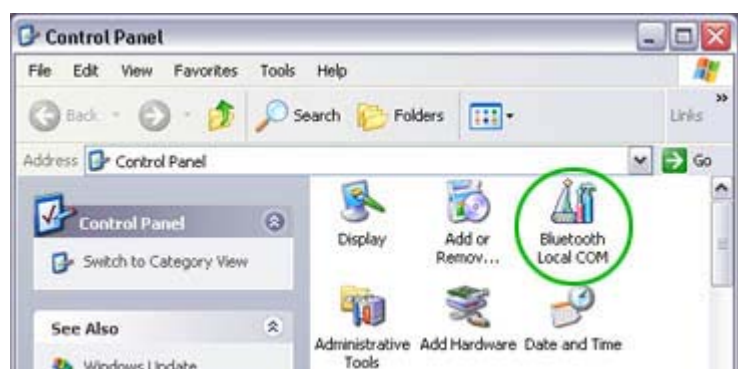


The main Bluetooth Local COM window will appear.



### Note

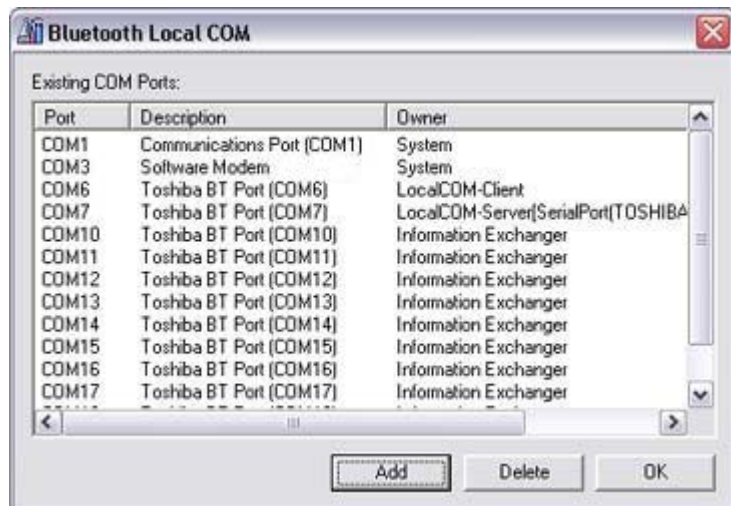
- Even when the Control Panel appears in Classic view, please simply click on the [Bluetooth Local COM] icon.





- No such distinction between viewing formats exists in Windows 2000.

### 3. Click on the [Add...] button



The [Bluetooth Local COM Wizard] window, from where you can create a virtual COM port, will appear.



Start from this window when creating Bluetooth virtual COM ports for either server or clients.

- [Creating a Bluetooth virtual COM port for a client](#)
- [Creating a Bluetooth virtual COM port for a server](#)

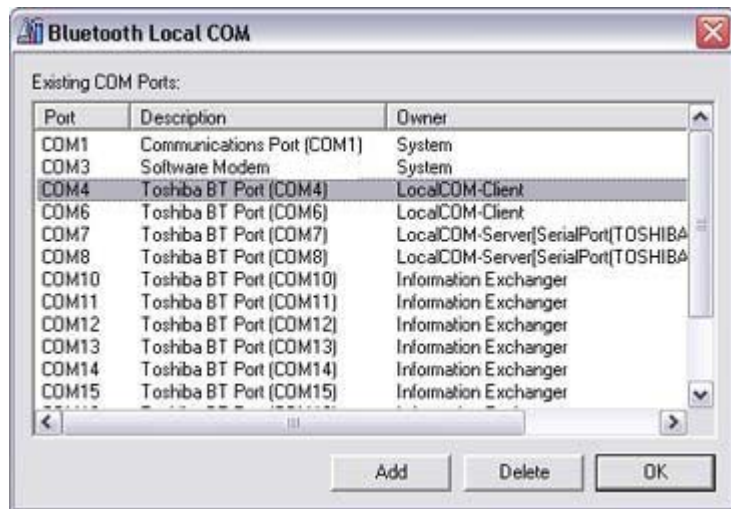
### Deleting a virtual COM port

Please follow the procedure below to delete a virtual COM port when it is no longer needed.





- You can only delete virtual COM ports created by the Bluetooth Local COM utility
- Select the port you wish to delete from the [Bluetooth Local COM] window, and click on the [Delete] button



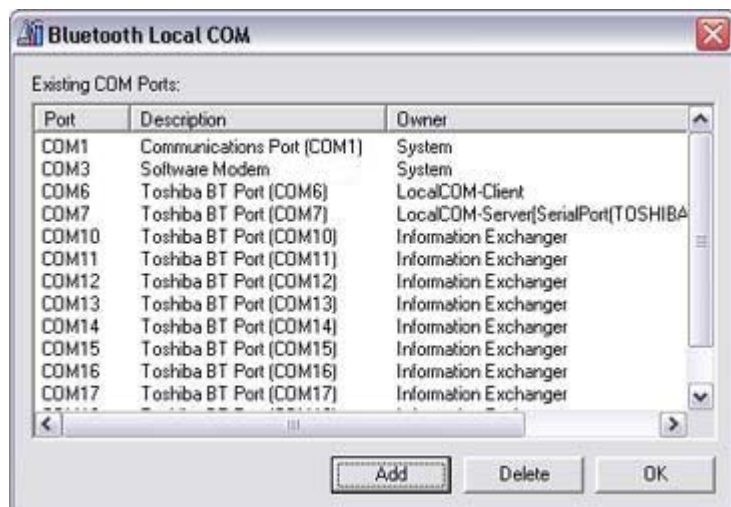
A message will appear asking you to confirm that you wish to delete the port.

- Click on the [Yes] button



The port will be deleted.

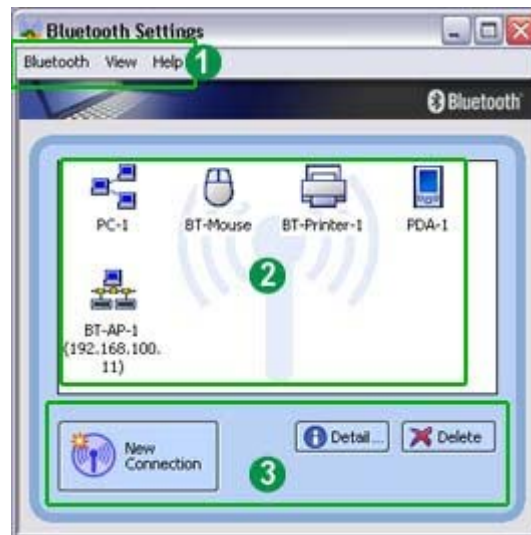
- Click on the [OK] button



## Bluetooth Settings

This section provides detailed information on the [Bluetooth Settings] window.

### Main window

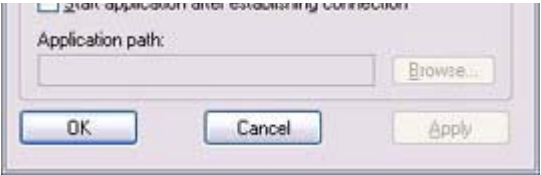


### Menu

#### ■ [Bluetooth] menu

| Category           | Description                                                                |
|--------------------|----------------------------------------------------------------------------|
| Add New Connection | Opens the [Add New Connection Wizard] window, and then search new devices. |
| Connect            | Connects to selected device.                                               |
| Disconnect         | Disconnects from selected device.                                          |
| Details            | Displays detailed information about selected device.                       |

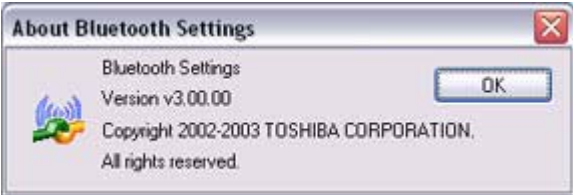


|                            |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            |                                                                                                                                                                                                                                                                                                                                          |
| Delete                     | Deletes selected device.                                                                                                                                                                                                                                                                                                                                                                                                   |
| Create shortcut on Desktop | <a href="#">Creates a shortcut icon</a> for the selected device on the Desktop.                                                                                                                                                                                                                                                                                                                                            |
| Rename                     | <a href="#">Changes the name of the device</a> you have selected.                                                                                                                                                                                                                                                                                                                                                          |
| Change Icon                | <a href="#">Changes the icon of the device</a> you have selected.                                                                                                                                                                                                                                                                                                                                                          |
| COM Auto Connect Settings  | <p>Opens the [COM Auto Connect Settings] window, and allows you to enable/disable Auto Connect.</p> <p>Displays the device connection name and port used. Check the box to enable Auto Connect, and remove the check to disable Auto Connect. You will need to connect <a href="#">manually</a> to use a device in the latter case</p>  |
| AV player selection        | <p>Opens [Select AV Payer] window, and allows you to select the application to be used when you want to play sound files or CDs.</p>                                                                                                                                                                                                   |
| Exit                       | Closes the [Bluetooth Settings] window.                                                                                                                                                                                                                                                                                                                                                                                    |

## ■[View] menu

| Category    | Description                                      |
|-------------|--------------------------------------------------|
| Large icons | Changes the way icons are displayed on a device. |
| Small icons |                                                  |
| List        |                                                  |
| Details     |                                                  |

## ■[Help] menu

| Category | Description                                                                                                                                     |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Help     | Opens the Bluetooth Utility User Guide.                                                                                                         |
| Version  | Displays the version information for Bluetooth Settings.<br> |

## 2 Device List

Displays a list of devices that have been registered in [Bluetooth Settings].

## 3 Function buttons

| Category       | Description                               |
|----------------|-------------------------------------------|
| New Connection | Opens [Add New Connection Wizard] window. |
| Details...     | Shows details of selected device.         |
| Delete         | Deletes selected device.                  |



## One-touch connection to Bluetooth devices

### ■ Creating a Shortcut

If you have created a shortcut icon on the Desktop, you can easily establish a connection to a device that has been registered using Bluetooth Settings without having to open the Bluetooth Settings window.



## Procedure

1. Right-click on Bluetooth icon in task tray and click on [Bluetooth Settings]

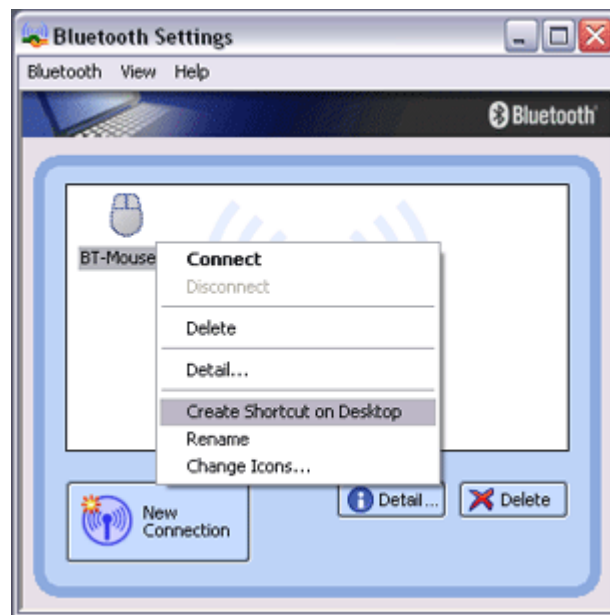


### Note

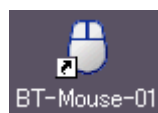
- Alternatively, you can click [Start] → [All Programs] → [Bluetooth] → [Bluetooth Settings].

The [Bluetooth Settings] screen will appear, from where you can create a Shortcut or "Bluetooth Mouse."

2. Right-click on the [BT-Mouse-01] icon, and then click on [Create Shortcut on Desk]



A shortcut icon entitled "BT -Mouse-01" will appear on the Desktop.

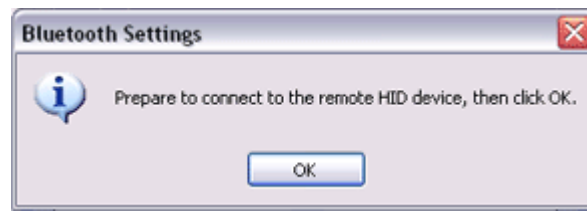


## ■ Establishing a connection from the Shortcut

1. Double-click on the "BT-Mouse-01" icon from the Desktop

The [Bluetooth Settings] window will open.

2. Turn on the mouse, set it to Bluetooth -connectable mode, and then click on the [OK] button in the [Bluetooth Settings] window.



The mouse will be connected.



## Manually connecting to a Bluetooth device

After a keyboard or mouse (HID profile), printer (HCRP or SPP profiles), or other device has been set up for the first time, subsequent connections will be automatically restored whenever you operate the device, print out a document from the PC, or perform another similar activity.

Should the connection not have been properly restored, please establish a manual connection to the device using the procedure below.

### Procedure

1. Right-click on Bluetooth icon in task tray and click on [Bluetooth Settings]

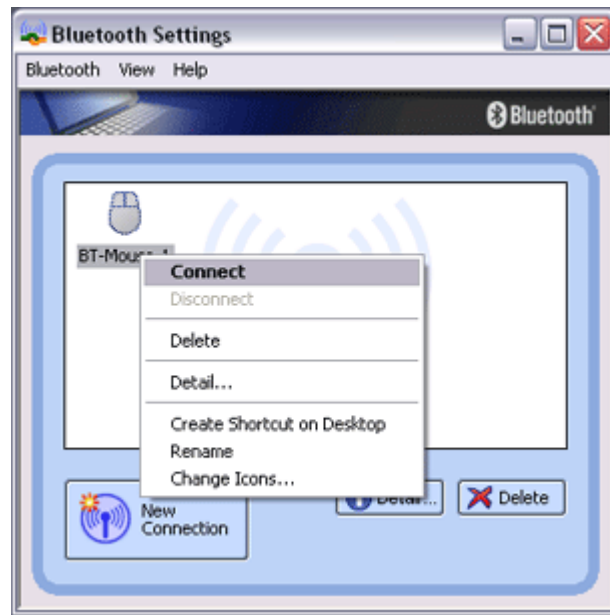


### Note

- Alternatively, click [Start] → [All Programs] → [Bluetooth] → [Bluetooth Settings]

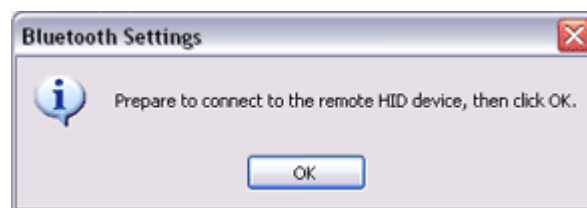
The [Bluetooth Settings] screen will appear, from where you can create a Shortcut or "BT Mouse."

2. Right-click on the [BT-Mouse-01] icon, and then click on the [Connect] button



The [Bluetooth Settings] window will open.

3. Turn on the mouse, enable Bluetooth -connection mode, and click on the [OK] button the [Bluetooth Settings] window.



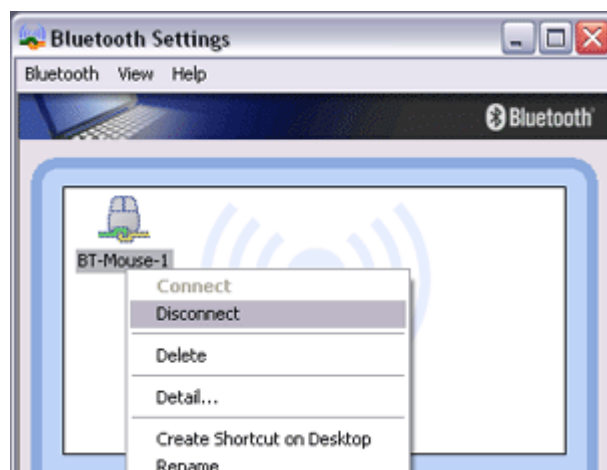
The mouse will be connected.



BT-Mouse-01

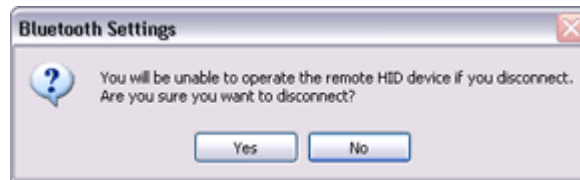
#### Note

- If you wish to manually disconnect a device, right -click on its icon and click [Disconnect].





When the following message appears, click on the [Yes] button.



## Changing a connection icon

You can change a device icon that has been registered on the Bluetooth Settings screen.

### Procedure

1. Right-click on the Bluetooth icon in the task tray, and then click on [Bluetooth Settings]



### Note

- Alternatively, click [Start] → [All Programs] → [Bluetooth] → [Bluetooth Settings]

The [Bluetooth Settings] window will appear. Now try to change the icon for "My Mobile."

2. Right-click on the "My Mobile" icon, and then click on [Change Icon]





A list of available icons will appear.

3. Select the  icon, and then click on the [OK] button



The new icon will appear.



## Changing a connection icon name

You can change a the name of a device icon that has been registered on the Bluetooth Settings screen.

### Procedure

1. Right-click on the Bluetooth icon in the task tray, and then click on [Bluetooth Settings]

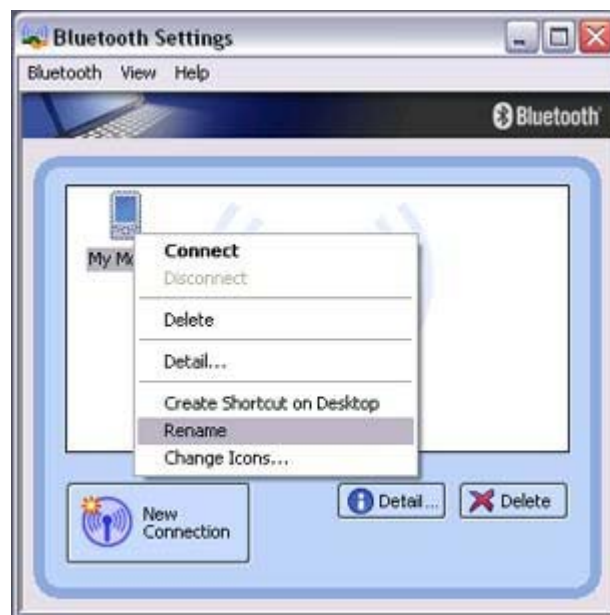


### Note

- Alternatively, click [Start] → [All Programs] → [Bluetooth] → [Bluetooth Settings]

The [Bluetooth Settings] window will appear. Now try to change the connection name "My Mobile" to "Pocket PC."

2. Right-click on "My Mobile", and then click on [Change Name]



You will now be able to enter a name.





3. Enter "Pocket PC", and then hit the [Enter] key

The new name will appear.



## Bluetooth Manager

This section provides detailed information on the settings categories in Bluetooth Manager.

### Main menu



| Category               | Description                               |
|------------------------|-------------------------------------------|
| Bluetooth Settings     | Opens [Bluetooth Settings] window.        |
| Wireless File Transfer | Open the [Wireless File Transfer] window. |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remote Camera                | Open the [Remote Camera] window.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Add New Connection           | Opens the [Add New Connection Wizard] window.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Device Properties & Security | <p>Displays Bluetooth device information on your PC.</p> <p><b>[General] tab</b></p> <p>Allows you to confirm the name, address and other settings displayed for other devices.</p>  <p><b>Note</b></p> <ul style="list-style-type: none"><li>• [Device Name] is the only category able to be changed. If you wish to change the name of a device, enter the new name, and click on the [OK] or [Apply] button.</li><li>• Click on the [Default] button to restore the initial settings.</li></ul> <p><b>[Security] tab</b></p> <p>Security-related (user) settings can be configured under this tab.</p>  |



#### Note

- Click on the [Default] button to restore the initial settings.

| Category             |                                            | Description                                                                            |
|----------------------|--------------------------------------------|----------------------------------------------------------------------------------------|
| Discoverability mode | Non-discoverable mode                      | Other devices will not be able to detect yours.                                        |
|                      | Discoverable mode                          | Other devices will be able to detect yours.                                            |
| Connectability mode  | Non-connectable mode                       | Other devices will not be able to connect to yours. <sup>1)</sup>                      |
|                      | Connectable mode                           | Other devices will be able to connect to yours.                                        |
| Pairing mode         | Non-pairable mode <sup>2)</sup>            | You will not receive pairing requests initiated from remote devices.                   |
|                      | Pairable mode                              | You will receive pairing requests initiated from remote devices.                       |
| Security mode        | Non-secure mode                            | No security will be enforced.                                                          |
|                      | Link Level Security Enforced <sup>3)</sup> | Requires Bluetooth passkey (PIN code) to be entered on connection with another device. |
|                      | Encryption                                 | Encrypts data to be transmitted.                                                       |

1) Selecting Non-connectable mode will cause connection requests rejected from any device, including registered ones. Device detection will still be possible.

2) Selecting Non-pairable mode will make it impossible to bond another device in a new connection relationship. Connection will be possible when a request has been received from a registered device. Device detection will still be possible.

3) Devices to which you have initially connected by entering a PIN will not require you to do so for future connections. Connection will be possible even if Link Level Security has been selected.

Power off

Turns off Bluetooth



(Turned off)

### Important

- Communication using Bluetooth will be impossible once it been turned off. When you next wish to use Bluetooth, please right-click on the Bluetooth icon in the task tray, and then click [Power ON].



### Service Properties

Ensures security against various kinds of access from remote devices.

Here you can enable or disable the following four typical services that are accessed remotely.



### Note

- This function is designed to provide robust security against access from remote devices. The "enable/disable" controls only regulate access made from remote devices. You will still be able to connect to remote devices from your local device, regardless of the in settings.
- Remove the tick from each button to disable the related service function.

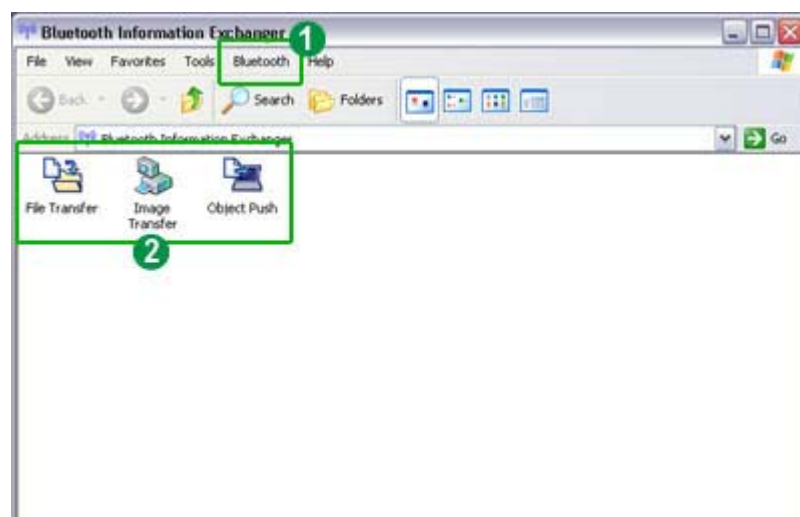
| Category                               | Description                                                                                                                                                         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bluetooth Information Exchange Service | Ticking the box enables a (server) function that allows files, images, business cards to be transferred from a remote device using Bluetooth Information Exchanger. |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|      | PAN Networking Service                                                                                                                                                                                                                                                                                                                                                                                                                                     | Ticking the box enables a (server function that allows networking to be performed from a remote device) PAN Networking Service.        |
|      | Bluetooth COM Port Service                                                                                                                                                                                                                                                                                                                                                                                                                                 | Ticking the box enables a (server function that allows COM Service to be performed from a remote location) the Serial Port Service.    |
|      | AV Remote Control Service                                                                                                                                                                                                                                                                                                                                                                                                                                  | Ticking the box enables a (server function that allows remote control to be performed from a remote device) AV Remote Control Service. |
| Help | Displays the Bluetooth Utility User Guide.                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                        |
| Exit | Exits Bluetooth Manager.<br><br> <b>Important</b> <ul style="list-style-type: none"> <li>When you exit Bluetooth Manager, Bluetooth communication will be disabled. When you next wish to use Bluetooth, please click on [Start]→[All Programs]→[Bluetooth]→[Bluetooth Settings] (Windows 2000, click on [Start]→[Programs]→[Bluetooth]→[Bluetooth Settings]).</li> </ul> |                                                                                                                                        |

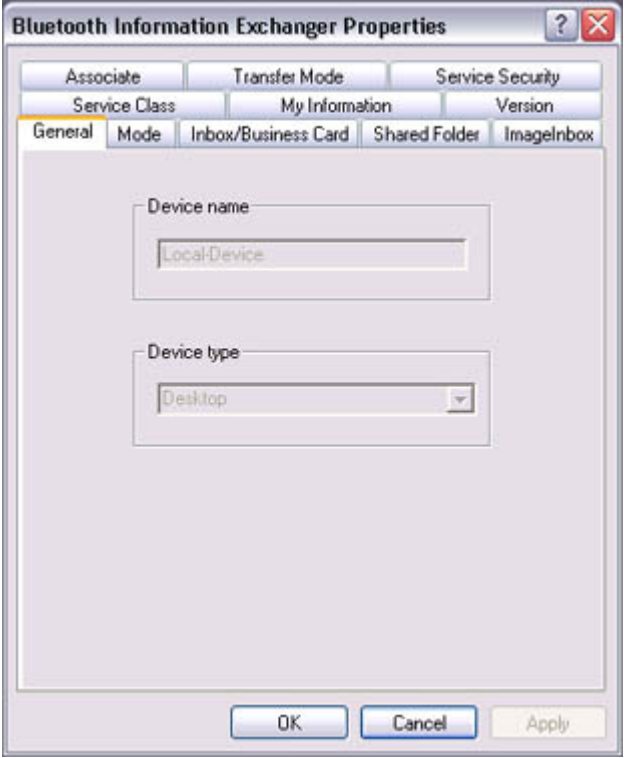
## Bluetooth Information Exchanger

This section provides detailed information on the settings categories in Bluetooth Information Exchanger.

### Main window

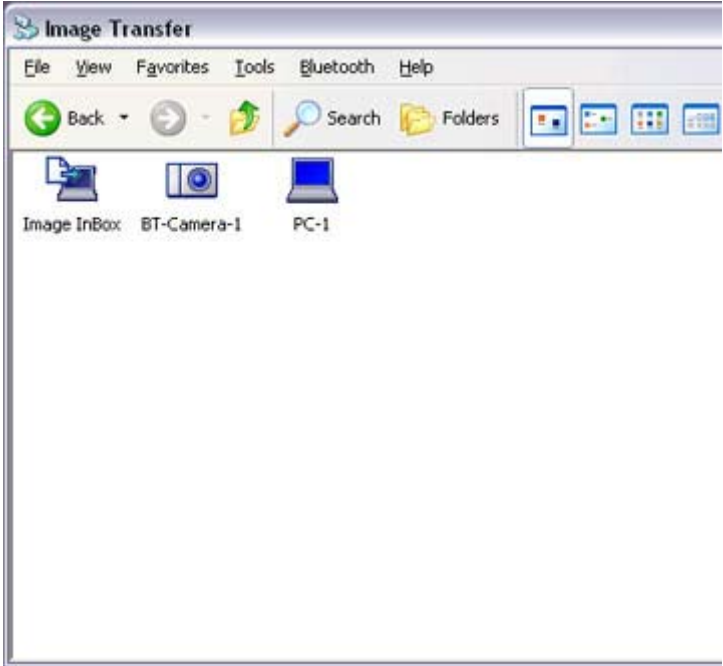
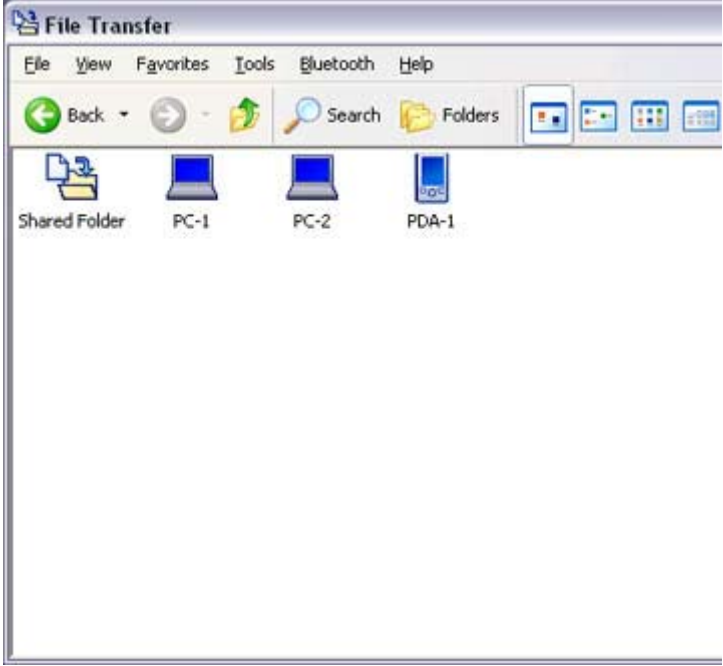


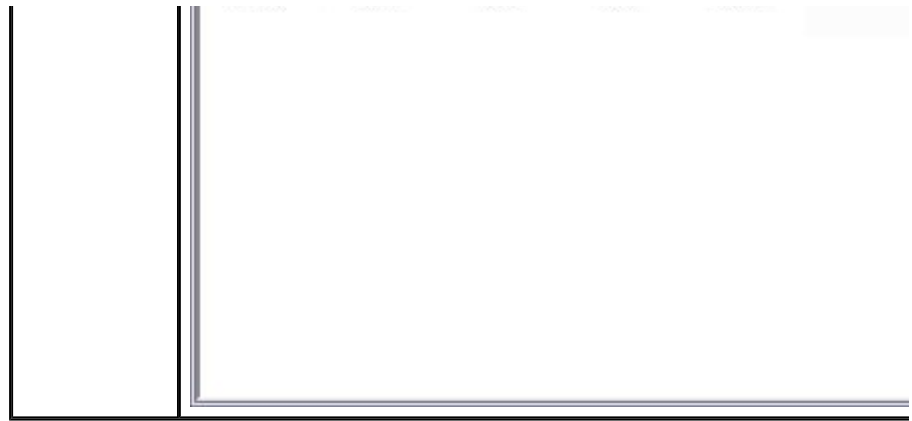
## 1 Bluetooth menu

| Category         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Discovery | Detects Bluetooth devices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Configuration    | <div>Allows detailed setting of categories related to Bluetooth Information Exchanger.</div> <div></div> <div><ul style="list-style-type: none"><li>-[General] tab</li><li>-[Mode] tab</li><li>-[Inbox/Business Card] tab</li><li>-[Shared folder] tab</li><li>-[Image box] tab</li><li>-[Associate] tab</li><li>-[Transfer mode] tab</li><li>-[Service security] tab</li><li>-[Service class] tab</li><li>-[Information] tab</li><li>-[Version] tab</li></ul></div> |
| Help             | Displays Bluetooth Utility User Guide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## 2 Data exchange folders

Three folders are available for data exchange: "Image transfer", "File transfer" and "Object Push".

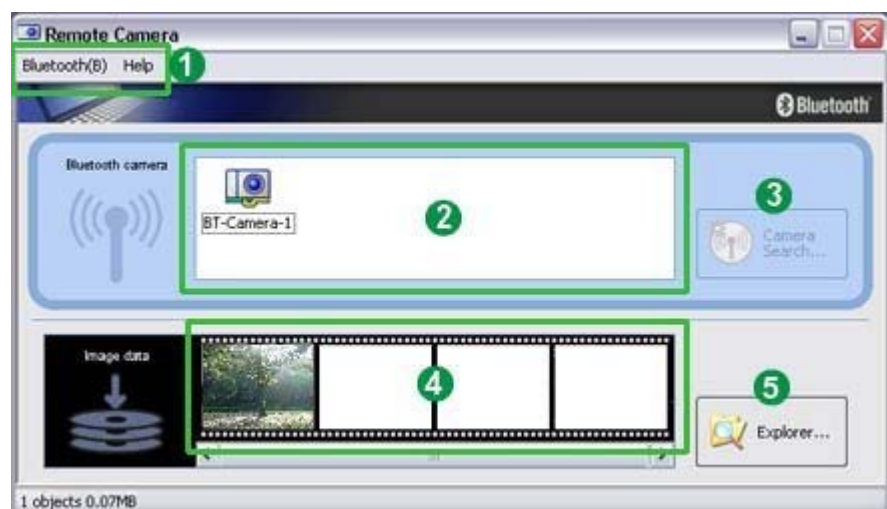
| Category                                                                                            | Description                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Image Transfer | <p>Click on the icon to display a list of devices. "Image box" is a folder on transferring images.</p>   |
| <br>File Transfer | <p>Click on the icon to display a list of devices. "Shared folder" is a share transferring files.</p>  |
| <br>Object Push  | <p>Click on the icon to display a list of devices. "Inbox" is a folder on you business cards.</p>      |



## Remote Camera

This section provides detailed information on the settings categories in Remote Camera.

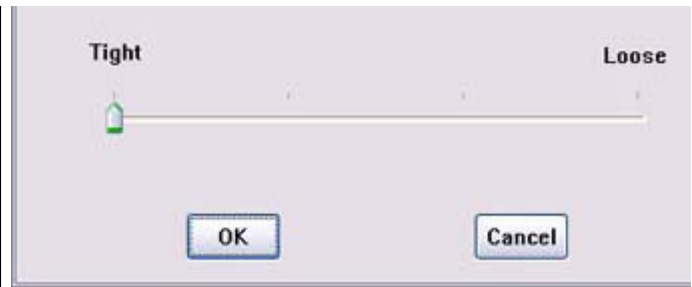
### Main window



### Menu

#### ■ [Bluetooth] menu

| Category      | Description                                                                                                         |
|---------------|---------------------------------------------------------------------------------------------------------------------|
| Device Search | Searches for remote cameras.                                                                                        |
| Properties    | [Filter for Search Devices]<br> |



The program may discover devices other than digital cameras, depending on which profiles are supported by those devices.

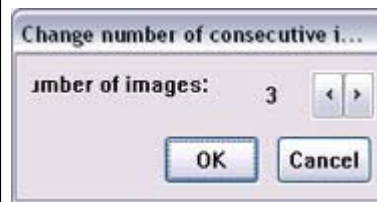
Adjusting the setting to "Loose filtering" will increase the likelihood devices other than those intended will be detected.

The further you slide the setting towards "Tight filtering", the stricter will be the criteria determining device detection, and the lower the likelihood will be that irrelevant devices will be included.

Please adjust the filtration level according to the results of the search.

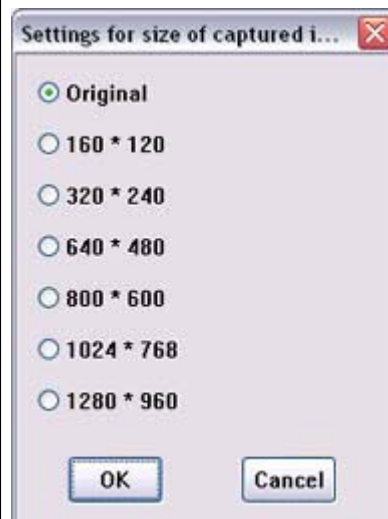
#### [Multi Shot]

Allows you to set the number of consecutive images captured by your digital camera in the dialog box below (between 2 and 16 inclusive).



#### [Pixel Size]

Images will be sent to your PC after having been automatically converted to the size specified in the dialog box below, regardless of the size of the original image data.



|      |                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <b>[Inbox settings]</b><br><br>Opens the "Browse folders..." dialog box and allows you to select the folder where you would like your captured images to be saved. |
| Exit | Exits Remote Camera.                                                                                                                                               |

**■ [Help] menu**

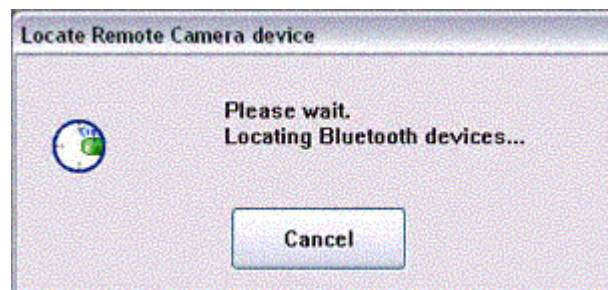
| Category                          | Description                                                                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Image monitor version information | Displays version information for the image monitor.<br> |

**2 List of cameras**

A list of cameras that have been registered as remote cameras will be displayed.

**3 [Camera Search...] button**

Clicking on this button will execute a search for remote cameras.

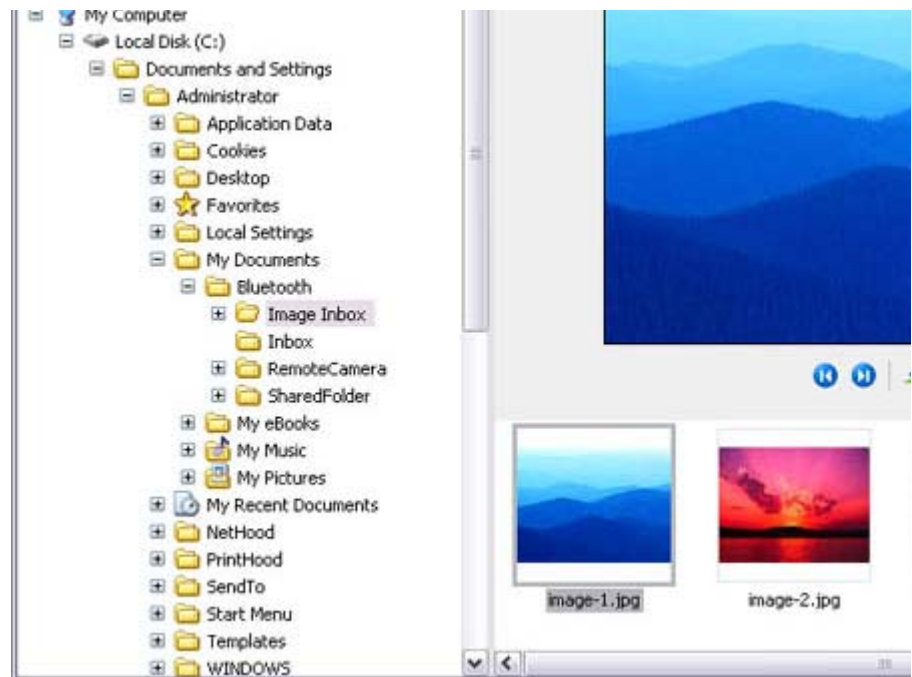
**4 Display images**

Images transferred to the PC from a remote camera will be displayed.

**5 [Explorer...] button**

Clicking on this button will display the folders on the hard drive where images that have been transferred to the PC have been stored.





#### Note

- A folder for saving your images will be created automatically.

#### Camera operation window



#### 1 Camera images

Images as seen through the lens of your remote camera will be displayed.

#### 2 Display magnification

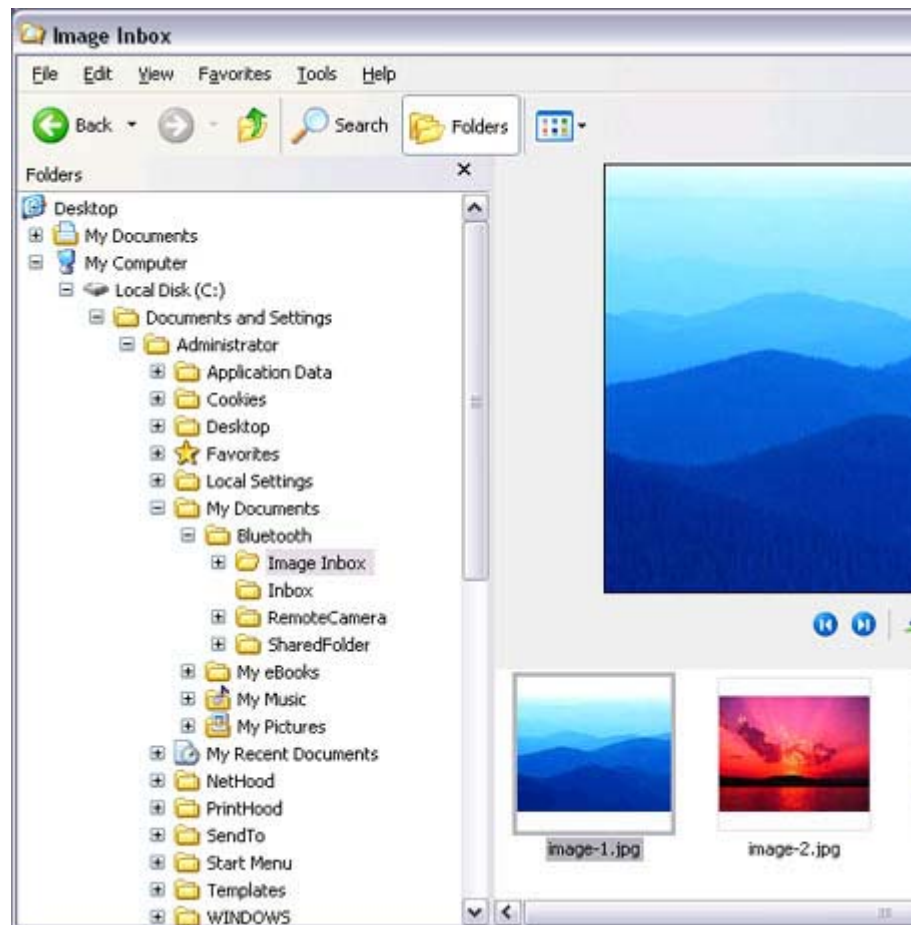
The size of the operating window display can be adjusted from 100% (1x) to 300% (3x).

#### Important

- Increasing the size of the operating window will impede its ability to display image and will have an adverse effect on other processes being performed by your PC. Pl adjust the magnification as appropriate for your intended use.

### 3 [Explorer...] button

Clicking on this button will display the folders on the hard drive where images that have transferred to the PC have been stored.



### 4 Shutter button (consecutive images)

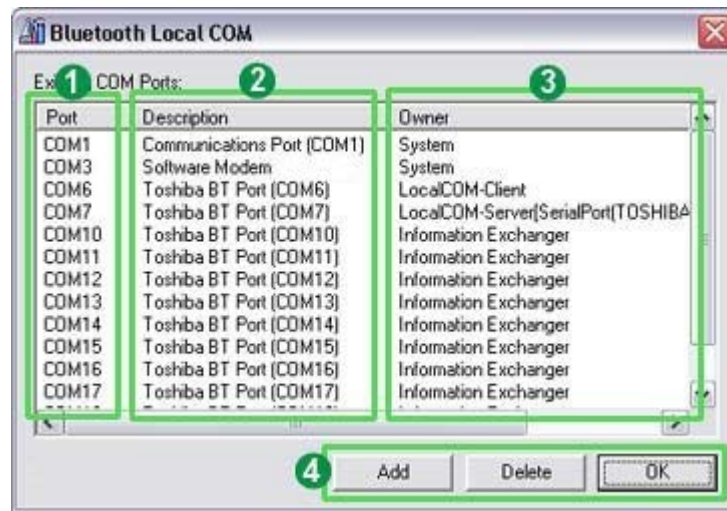
Clicking this button will cause the camera to take the number of images specified in [Consecutive image settings] under the [Bluetooth] menu and then send those images to PC.

### 5 Shutter button (single images)

Clicking this button will cause the camera to take one picture and then send the image to PC.

This section provides detailed information on the settings categories in Bluetooth Local COM

### Main window



#### 1 Port

Displays a list of configured ports.

#### 2 Description

Displays the function of each port.

Ports displayed as "Toshiba BT Port (COMxx)" are TOSHIBA Bluetooth virtual COM p

#### 3 Owner

Displays the application used to create those COM ports.

The following information will appear for ports created by Bluetooth Local COM.

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| COM port for client | Local COM - Client                                      |
| COM port for server | Local COM - Server [(name of service supplied by port)] |

#### 4 Function buttons

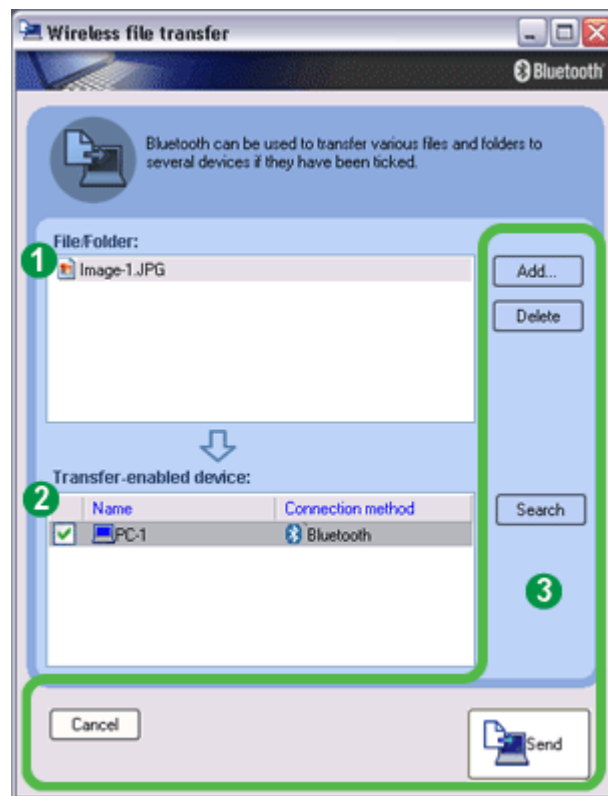
| Category | Description                                                                                                                                                                                                                                                                                             |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Add      | <p>Starts the Add COM Port Wizard.</p> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li>There can be up to 64 ports. If COM ports 1 to 64 already exist, you v not be able to add another port.</li> </ul> |
| Delete   | Deletes selected port.                                                                                                                                                                                                                                                                                  |

|    |                                                                                                                                                                                                               |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |  <b>Note</b> <ul style="list-style-type: none"> <li>You can only delete COM ports created by Bluetooth Local COM.</li> </ul> |
| OK | Click on this button to confirm settings information, and close the Bluetooth Local COM window.                                                                                                               |

## Wireless File Transfer

This section provides detailed information on the settings categories in Wireless File Transfer.

### Main window



#### 1 Files/folders

Displays a list of files/folders to be sent.

#### 2 Devices to which data can be sent

Displays other devices to which you are able to send files. Files will be sent to those devices that have been checked.

**Name**

Displays name of destination devices.

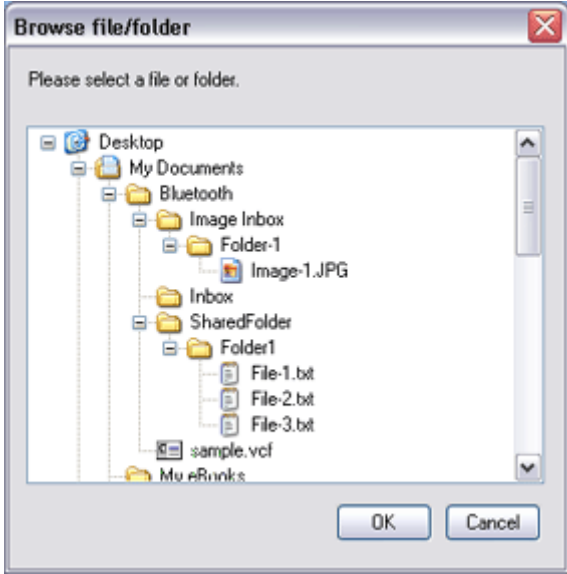
**Connection method**

Displays method used to connect to other devices.

#### Note

- If a device to which you would like to send data is not listed, you can click on the [Search] button to search for other devices.

### 3 Function buttons

| Category | Description                                                                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Add      | Displays the window below, from where you can add files and/or folders you would like to send.<br> |
| Delete   | By selecting a file from the list and clicking on the "Delete" button, you can remove that file (i.e., the file will not be sent).                                                    |
| Search   | Searches for Bluetooth devices.                                                                                                                                                       |
| Cancel   | Closes the "Wireless File Transfer" window.                                                                                                                                           |
| Send     | Sends a file.                                                                                                                                                                         |

## Troubleshooting

This section describes possible causes and countermeasures to be considered when your Blue device cannot be configured properly, functions abnormally or presents other problems relate its operation.

### Basic understanding

The section "[What you need to know about using Bluetooth](#)" describes the basic concept be aware of when using Bluetooth. Should you still encounter problems after having read through this information, please refer to the following list, which has been arranged according to application.

 Troubleshooting by application

- [General operation of the Bluetooth Utility](#)
- [Using a wireless modem station](#)
- [Using an access point](#)
- [Using a printer](#)
- [Using a Bluetooth headset](#)
- [Using a keyboard or mouse](#)
- [Using a camera](#)
- [Using a PDA](#)
- [Using a mobile telephone](#)

 General operation of the Bluetooth Utility Important

- Please refer to "[What you need to know about using Bluetooth](#)" for an understanding of the basic concepts to be aware of when using Bluetooth.

 Bluetooth Manager Bluetooth icon does not appear in task tray

- If the Bluetooth icon does not appear in the task tray, Bluetooth Manager will not be active, which will prevent you from being able to use any of the functions of the Bluetooth Utility.

Start the utilities as instructed below to enable Bluetooth Manager to start automatically and allow all functions to be utilized.

**Bluetooth Settings**

(from Windows XP)

[Start] > [All Programs] > [Bluetooth] > [Bluetooth Settings]

(from Windows 2000)

[Start] > [Programs] > [Bluetooth] > [Bluetooth Settings]

**Remote Camera**

(from Windows XP)

[Start] > [All Programs] > [Bluetooth] > [Remote Camera]

(from Windows 2000)

[Start] > [Programs] > [Bluetooth] > [Remote Camera]

**Wireless File Transfer**

(from Windows XP)

[Start] > [All Programs] > [Bluetooth] > [Wireless File Transfer]

(from Windows 2000)

[Start] > [Programs] > [Bluetooth] > [Wireless File Transfer]

## Bluetooth Settings

 Clicking on the [New Connection] button brings up the message "Unable to prepare Bluetooth."

- The wireless communication switch is turned off. Please switch it on.

 Remote device(s) cannot be detected

- The other device(s) may have been set to Non -discoverable mode. Please check the mode settings on the device.

 Services on a remote device are undiscoverable

- The other device may be using a profile that is not supported by the Bluetooth Util. Please check the profile being used on the other device.
- The following profiles are compatible with Bluetooth Settings.

DUN, FAX, LAP, SPP, HID, HCRP, FTP, OPP, HSP, PAN and BIP

Devices running profiles other than those above will not be able to be registered with Bluetooth Settings.

## Bluetooth Information Exchanger

 An error occurs when you try to send a file using the right -click menu.

- Select and right-click on a file, and then you can choose either the FTP or OPP profile when you click on [Send to Bluetooth Device]. If neither profile is supported by the destination device, the file will not be able to be sent from the right-click menu.

The transmission will also fail if you use FTP to send a file to a device that only supports the OPP profile.

Should this occur, please click on [Bluetooth] → [Profiles] under [Bluetooth Information Exchanger] to configure the [Transfer mode](#).

 Cannot open shared folder on remote device using [File Transfer].

- The other device may have a certain security level enforced (Non -connectable mode etc). Please confirm the security settings of the other device. Please enter the correct password if you are asked to enter one.

## Remote Camera

- See "[Using a camera](#)"

## Bluetooth Local COM

 Cannot add port

- A maximum of 64 virtual COM ports can be added. You will be unable to add another port if 64 ports have already been configured.

## Using a wireless modem station

### Important

- Please refer to "[What you need to know about using Bluetooth](#)" for an understanding of the basic concepts to be aware of when using Bluetooth.

### Modem station cannot be detected

- If the modem station is connected to and is being used by another device, the modem station will be undetectable even if you search for it.

### Cannot connect to modem station

- If the modem station is connected to and is being used by another device, no other device will be able to connect to the modem station.

### Bluetooth passkey entry failed

- The Bluetooth passkey (PIN code) comprises a sequence of alphanumeric characters with the letters able to be rendered in upper and lower case.  
If [Caps Lock] is on, the Bluetooth passkey may not be able to be entered correctly.

### Cannot connect to telephone line

- Please ensure that the telephone cable is connected from the socket to the "LINE" terminal on the modem station.

### Note

- If the telephone cable has come loose because it has not been fully inserted in the socket, the resulting poor contact may prevent data from being transmitted accurately.
- Communication will be impossible if the interior of the cable has been broken. Please replace the cable with another one.
- Please ensure that the two slide switches on the underside of the main unit have been set to the "NORMAL" and "MODEM" positions respectively.

### ? Cannot connect to the Internet

- The telephone number of the connection (i.e., the telephone number for the access of your Internet service provider) may not be correct. Please check the telephone number.
- The user ID and/or password for the provider with whom you have signed up may have been entered incorrectly. Please check the user ID and password.
- The default connection may have been configured with different settings. Please see connection configured for mobile telephone use as the [default connection](#).
- When you place a call using a company switchboard or other exchange, the system requires you to enter a "0" before the telephone number itself. Please check the type of telephone line you are using.

### ? Cannot send or receive faxes

- Once you have registered a wireless modem station as your fax server, you will need to enter the fax settings from the [Printer and Faxes] window in the Control Panel. Please refer to "[Using a modem station for fax transmissions](#)" for information on the configuration procedure.
- The telephone number of the fax destination may have been entered incorrectly. Please check the telephone number.
- If the setting under [COM Auto Connect Settings](#) has been set to "Off", a connection will not automatically be established with the modem. Please connect to the modem manually.
- When you place a call using a company switchboard or other exchange, the system requires you to enter a "0" before the telephone number itself. Please check the type of telephone line you are using.
- The fax service may not have been enabled for sending (or receiving). Please check the settings by following the procedure below.

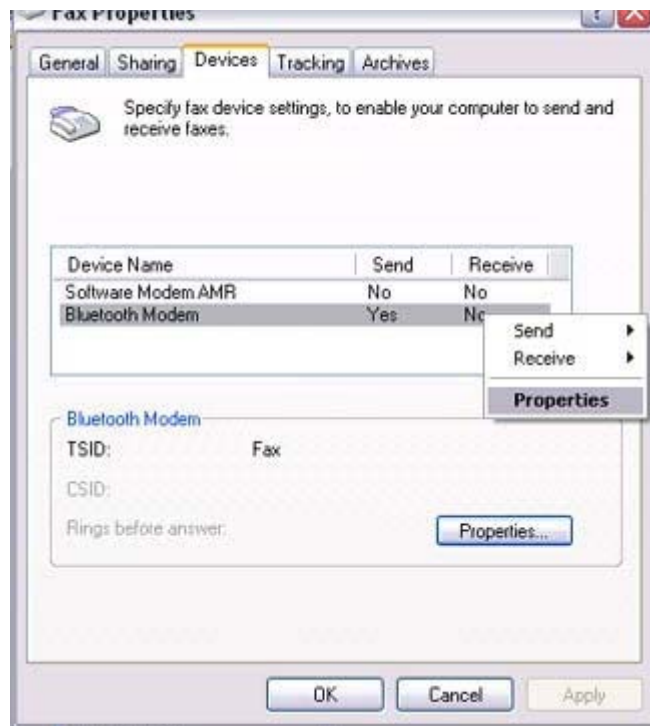
1. Open [Printers and Faxes] from the Control Panel, right-click on the [Fax] and then click on [Properties]



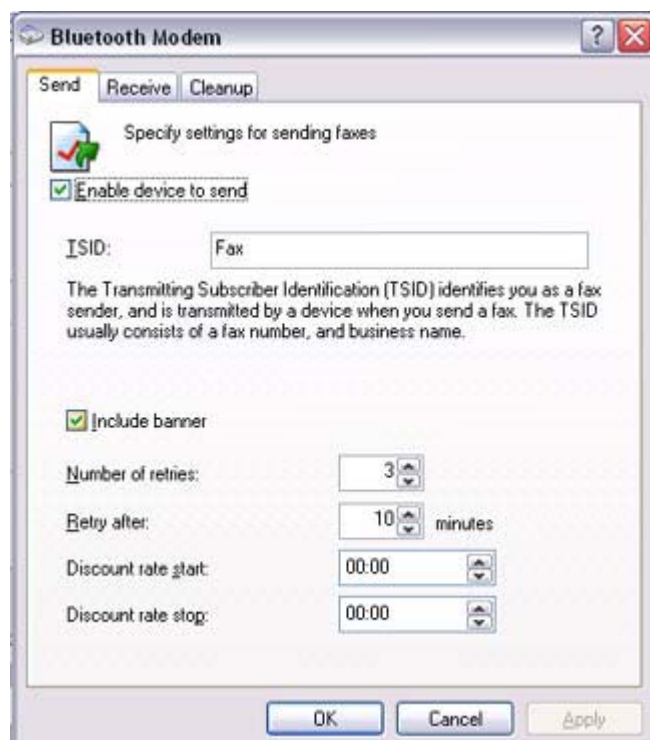
The [Fax properties] window will appear.

2. Select the [Device] tab, right-click on the modem you wish to use, and then click on [Properties]



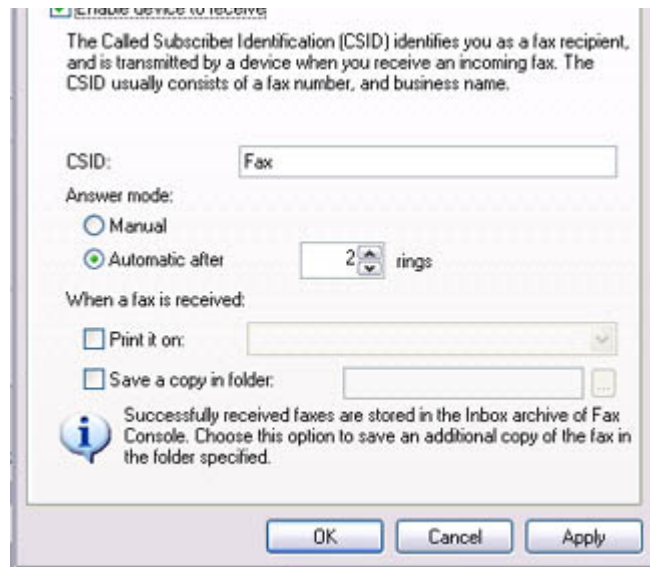


3. Select the [Send] tab, and then confirm that "Enable device to send" has been checked.



4. Select the [Receive] tab, and then confirm that "Enable device to receive" has been checked (when you wish to receive faxes)





5. Click on the [OK] button

## Using an access point

### Important

- Please refer to "[What you need to know about using Bluetooth](#)" for an understanding of the basic concepts to be aware of when using Bluetooth.

### Access point cannot be detected

- If the access point is connected to and is being used by another device, the access point will be undetectable even if you search for it.

### Cannot connect to access point

- If the access point is connected to and is being used by another device, no other device will be able to connect to the access point.

### Cannot connect to LAN

- The LAN cable may not be properly connected to the access point. Please check the connection status.

### Note

- If the LAN cable has come loose because it has not been fully inserted into the socket, the resulting poor contact may prevent data from being transmitted accurately.
- Communication will be impossible if the interior of the LAN cable has been broken. Please replace the cable with another one.

BROKEN. Please replace the cable with another one.

- The access point may not have been configured correctly, and may not be able to maintain the connection to the LAN.  
Please refer to the product instruction manual for information on how to configure access point.

### Cannot connect to the Internet

- If you are using a LAN to connect to the Internet, the LAN environment of the connection or location where you are trying to establish the connection may require you to connect via a proxy server .  
Please click [here](#) for information on configuring a proxy server.



## Using a printer

### Important

- Please refer to "[What you need to know about using Bluetooth](#) " for an understanding of the basic concepts to be aware of when using Bluetooth.

### Printer cannot be detected

- If the printer is connected to and is being used by another device, the printer will be undetectable even if you search for it.

### Cannot connect to printer

- If the printer is connected to and is being used by another device, no other device will be able to connect to the printer.

### Cannot print/garbled print output

- The printer driver of the printer you are using may not have been installed correctly. Please refer to your product instruction manual and re-install the driver.
- Please check to see if the printer has run out of paper, ink or other consumable items.
- If you are using a printer while several Bluetooth devices are connected to the PC, the printer may not function normally. Please disconnect the other devices and try to print again.

 Using a Bluetooth Headset Important

- Please refer to "[What you need to know about using Bluetooth](#) " for an understanding of the basic concepts to be aware of when using Bluetooth.

 Bluetooth Headset cannot be detected

- If the Bluetooth Headset is connected to and is being used by another device, the Bluetooth Headset will be undetectable even if you search for it.

 Cannot connect to Bluetooth Headset

- If the Bluetooth Headset is connected to and is being used by another device, no other device will be able to connect to the Bluetooth Headset.
- A Bluetooth connection will be impossible if the Bluetooth Headset is connected to a power adaptor. Please remove the power adaptor and re-connect.

 Sound cuts out/cannot hear anything

- Using a Bluetooth headset with other Bluetooth devices may cause problems such as interruptions in sound, reduced transfer speed or failure during file transfer, and disconnection of the other Bluetooth devices. We strongly recommend using a Bluetooth headset on its own, not in connection with other Bluetooth devices.
- Please confirm that the Bluetooth Headset is being operated correctly (for example ensure that the correct mode (audio or communications) mode has been selected).
- Please confirm that the voice file or CD is being played back normally on your PC.
- Please check the volume settings on your Bluetooth Headset and PC.
- If Windows Media Player or another audio -related application is active when you connect your Bluetooth Headset, you may find it impossible to connect properly to the Bluetooth Headset, or even to use it at all. Please start such applications after you have connected to the Bluetooth Headset.

 Using a keyboard or mouse Important

- Please refer to "[What you need to know about using Bluetooth](#) " for an understanding of the basic concepts to be aware of when using Bluetooth.

the basic concepts to be aware of when using Bluetooth.

### Keyboard or mouse cannot be detected

- If the keyboard or mouse is connected to and is being used by another device, the keyboard or mouse will be undetectable even if you search for it.

### Cannot connect to keyboard or mouse

- If the keyboard or mouse is connected to and is being used by another device, no other device will be able to connect to the keyboard or mouse.



## Using a camera

### Important

- Please refer to "[What you need to know about using Bluetooth](#)" for an understanding of the basic concepts to be aware of when using Bluetooth.

### Camera cannot be detected

- If the camera is connected to and is being used by another device, the camera will be undetectable even if you search for it.

### Cannot connect to camera

- If the camera is connected to and is being used by another device, no other device will be able to connect to the camera.

### Images from the camera can be displayed, but no pictures can be taken

- The memory card in the camera may be full.  
Please make a backup of all your necessary data on alternative media, then delete the images from the memory card, and ascertain how much free space remains.

### Camera images do not appear in window

- The camera may not have been set to remote camera mode (image browse mode, configuration mode, etc).

Certain cameras will end the Bluetooth connection automatically if you change the settings in a mode other than remote camera mode. Please re-connect to the camera when you next wish to use the device in remote camera mode.

 Using a PDA Important

- Please refer to "[What you need to know about using Bluetooth](#)" for an understanding of the basic concepts to be aware of when using Bluetooth.

 Cannot make an ActiveSync connection

- Please confirm that you have installed ActiveSync v3.7 or higher on your PC.
- ActiveSync is installed to COM7 as a default. Please refer to "[Synchronising information using ActiveSync](#)" and re-configure your ActiveSync connection. If a port other than COM7 has been used, please amend the ActiveSync connection settings accordingly.

 Cannot locate a saved file

- The type of file sent to your PDA, as well as the profile used to send the file, may determine where folders saved on your PDA are located.

Examples:

Images transferred to your PDA using "Image transfer" > saved in the "Image transfer" folder

Images transferred to your PDA using "File transfer" > saved in the "Shared folder"

 Using a mobile telephone Important

- Please refer to "[What you need to know about using Bluetooth](#)" for an understanding of the basic concepts to be aware of when using Bluetooth.

 Mobile telephone cannot be detected

- If the mobile telephone is connected to and is being used by another device, the mobile telephone may not be detected.

telephone will be undetectable even if you search for it.

### ? Cannot connect to mobile telephone

- If the mobile telephone is connected to and is being used by another device, no other device will be able to connect to the mobile telephone.

### ? Cannot send images to mobile telephone

- Please use the appropriate transfer method, according to the profiles supported by your mobile telephone.

If OPP is supported: right-click on a file to send it

If BIP is supported: use "Image transfer" under Bluetooth Information Exchanger to send images

### ? Cannot connect to the Internet

- The telephone number of the connection (i.e., the telephone number for the access of your Internet service provider) may not be correct. Please check the telephone number.
- The user ID and/or password for the provider with whom you have signed up may have been entered incorrectly. Please check the user ID and password.
- The default connection may have been configured with different settings. Please see the connection configured for mobile telephone use as the [default connection](#).

### ? Cannot send or receive faxes

- Once you have registered a mobile telephone as your fax server, you will need to edit the fax settings from the [Printer and Faxes] window in the Control Panel. Please refer to "[Using a modem station for fax transmissions](#)" for information on the configuration procedure.
- The telephone number of the fax destination may have been entered incorrectly. Please check the telephone number.
- If the setting under [COM Auto Connect Settings](#) has been set to "Off", a connection will not automatically be established with the modem. Please connect to the mobile telephone manually.
- The fax service may not have been enabled for sending (or receiving). Please check the settings by following the procedure below.

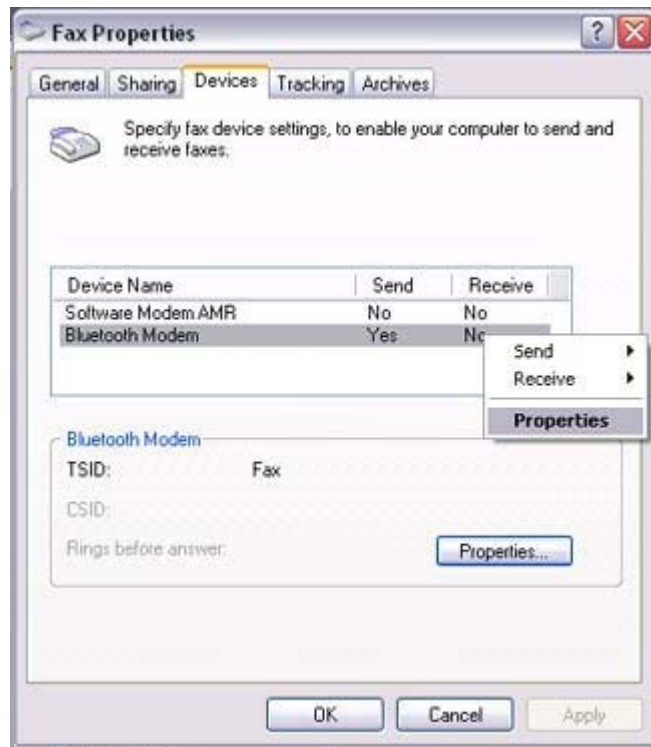
1. Open [Printers and Faxes] from the Control Panel, right-click on the [Fax] icon and then click on [Properties]



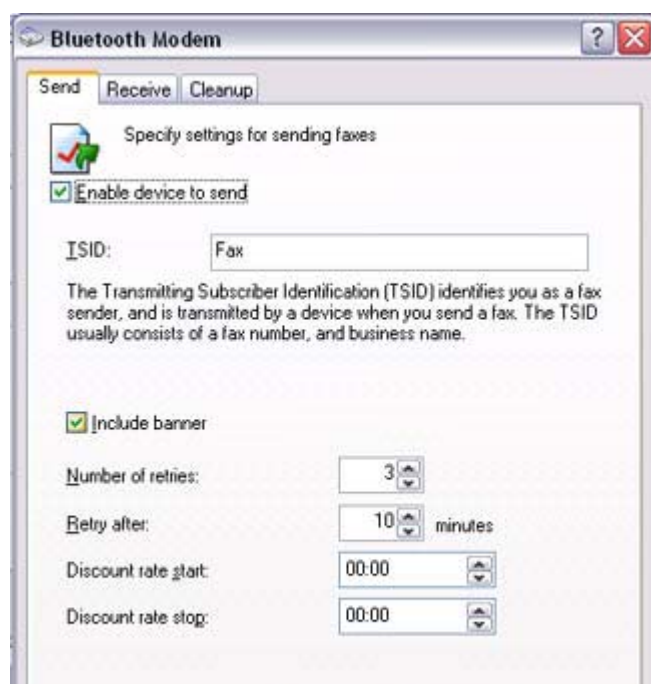


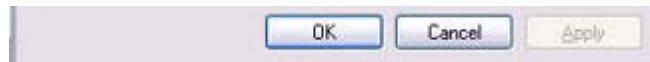
The [Fax properties] window will appear.

2. Select the [Device] tab, right-click on the modem you wish to use, and then click on [Properties]

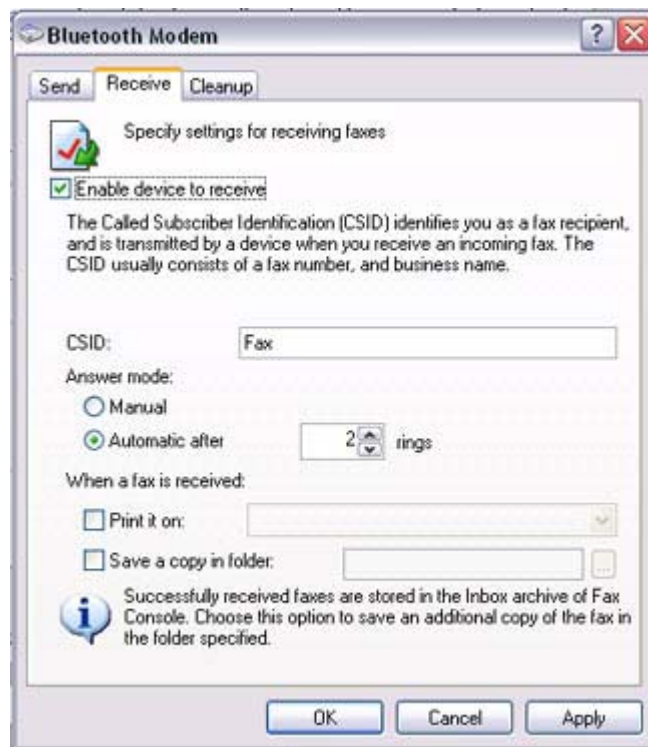


3. Select the [Send] tab, and then confirm that "Enable device to send" has been checked.





4. Select the [Receive] tab, and then confirm that "Enable device to receive" has been checked when you wish to receive faxes)



5. Click on the [OK] button

## Glossary

This glossary provides definitions for Bluetooth -related terminology. You will be able to look up the meanings of any uncertain terms here.



### A2DP Profile

Abbreviation of Advanced Audio Distribution.

A Bluetooth profile allowing you to adjust the sound quality of wireless headsets and of audio devices.

### AVRCP Profile

Abbreviation of Audio/Video Remote Control Profile. A Bluetooth profile enabling rem

control functions to be sent and received. Remote control commands can be received by Bluetooth Utility.

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### Bluetooth Profile

A specification that guarantees the connection to the service function of a remote Bluetooth device.

For a Bluetooth device to send and receive information to and from another device, both devices must support shared profiles designated for each function, such as dial -up networking, faxing, printing and human interface devices.

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### DHCP

Abbreviation of Dynamic Host Configuration Protocol

DHCP is a function that automatically sets up IP addresses. This function will allow you avoid having to set up IP addresses on each computer.

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### DUN Profile

A Bluetooth profile for Dial -up Networking.

This profile enables you to establish a dial -up Bluetooth connection with a wireless modem station, mobile telephone, or similar device.

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### FAX Profile

A Bluetooth profile that enables you to establish a Bluetooth connection with a wireless modem station, mobile telephone, or similar device to send or receive a fax.

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### FTP

Abbreviation of File Transfer Profile.

A Bluetooth profile that enables you to browse folders on a wireless device and transfer to and from the local device.

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### GAVDP Profile

Abbreviation of Generic Audio-Video Distribution Profile. This is a Bluetooth profile.

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### HCRP

Abbreviation of Hardcopy Cable Replacement Profile. A Bluetooth profile that establishes connection to a device only when you print, unlike SPP (Serial Port Profile).

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### HID Profile

Abbreviation of Human Interface Device Profile.  
A Bluetooth profile that enables you to connect to a wireless mouse, keyboard or other input device.

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### LAP

Abbreviation of LAN Access Profile.  
A Bluetooth profile that enables you to establish a Bluetooth connection to a LAN access point to access a LAN via PPP.

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### OPP

Abbreviation of Object Push Profile.  
A Bluetooth profile that enables you to exchange business cards with a wireless device.

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## Passkey

Also known as a PIN code

This is a password consisting of up to 16 alphanumeric characters that enables a connection to be established to a wireless device. You need to know the passkey in order to connect to a device that requires authentication.

Even when the authentication setting has been disabled in the User Mode Properties of the Bluetooth Utility, the passkey entry dialog box will appear automatically if authentication is required, enabling you to authenticate a device. A link key will be created once you have authenticated a device, eliminating the need for a passkey to connect to that device in the future.

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## Pairing

A security function. In order for Bluetooth devices to authenticate each other, a passkey (a numeric code) is entered in each terminal when they are connected for the first time, and a secret 128-bit link key is generated. This action is known as "pairing."

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## SPP

Abbreviation of Serial Port Profile.

A Bluetooth profile that enables communication with a device through a virtual serial port. It is configured for a Bluetooth connection. This can be used for printers and printer adapters, PDAs, using a method different from HCRP or ActiveSync.

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## TCP/IP

Abbreviation of Transmission Control Protocol/Internet Protocol.

Standard communications protocol (convention for enabling data communication) used on the Internet. Using the same protocol enables computers to exchange data with each other.

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## vCARD

Common standard for electronic business cards.

Names, (e)mail addresses, telephone numbers and other information are exchanged in the form of electronic business cards (in \*.vcf format), allowing all parties to easily register other's data in their address books.

The standard is extensively compatible with Microsoft Outlook, Lotus Organizer and other mail/schedule management software.

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## Introduction

The Quick Start Guide is intended to those who wish to get started right away using Bluetooth, and describes basic concepts to be aware of as well as ways to connect to Bluetooth devices.

The Quick Start Guide comprises the following items.

### **What you need to know about using Bluetooth**

Describes the basic concepts you need to be aware of when using Bluetooth devices.  
It is recommended that you read this section before starting the set-up process.

### **Trying out your Bluetooth device**

Describes the procedures used for actually configuring and then using your Bluetooth device. Please read this according to your desired purpose and device.

### **Troubleshooting**

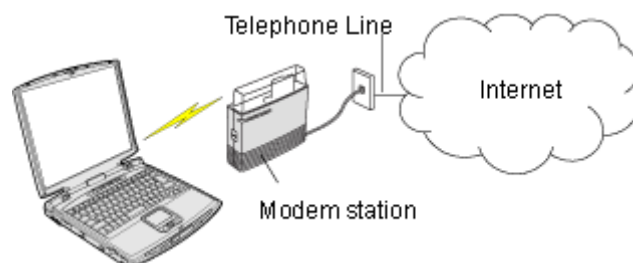
Describes possible causes and countermeasures to be considered when your Bluetooth device cannot be configured properly, functions abnormally or presents other problems related to its operation.

### **Glossary**

Explains the technical jargon used in this guide.

## Connecting to the Internet using a modem station [DUN]

You can use a Bluetooth wireless modem to connect to the Internet via a telephone line.



→ [Setting up the modem station](#)

→ [Connecting to the Internet](#)

### Important

- In order to connect to the Internet, you must have already signed up with a provider and obtained a connection ID and password. Please ensure you have confirmed the ID, password and telephone number of your provider's access point before you begin the set-up process

- Please refer to your instruction manual for information on connecting the modem station to a telephone line.
- A Bluetooth passkey (PIN code) is required for you to connect to the modem station. Please make a note of your Bluetooth passkey before you start the set-up process.

## Setting up the modem station

### Procedure

1. Turn on the wireless modem station
2. Right-click the Bluetooth icon in the task tray, and then click on [Add New Connection]



### Note

- Alternatively, click [Start]→[All Programs]→[Bluetooth]→[Bluetooth Settings], and then click on [New Connection] from the active [Bluetooth Settings] window.

The [Add New Connection Wizard (Welcome to the Add New Connection Wizard)] window will appear.

3. Confirm that [Express Mode] has been selected, and then click on the [Next] button



The [Add New Connection Wizard (Searching for Bluetooth devices)] window will appear.



4. Select the device name of the wireless modem station from [Device List], and then click on the [Next] button



The [Add New Connection Wizard (Searching for Services)] window will appear.





Once a service has been detected successfully, connection to the device and COM port creation will be performed automatically, after which the [Add New Connection Wizard (Modem Settings)] window will appear.

5. If you are connecting to a wireless modem station for the first time, enter the passkey for the modem station under [Bluetooth Passkey (PIN code)], and then click on the [OK] button



Once the program has finished searching for the devices, the [Add New Connection Wizard (Device Selection)] window will appear.

6. Click on the [Next] button



Certain modems require you to configure initialization commands separately. Please click on the [Additional initialization Command Settings] button, enter the initialization commands in the following window, and then click on the [OK] button.





#### Note

- Please refer to the modem or mobile phone instruction manual for further details on the initialization commands.

7. Enter the connection name (optional), telephone number (of your provider's access point), user name and password (as issued by your provider), and then click on the [Finish] button.



#### Important

- The sample entries shown in the window are provided solely for purpose of explanation. Please use your own telephone number, ID and password according to the arrangement with your provider.

The settings will be registered, and an icon will appear in the [Bluetooth Settings] window.



## Connecting to the Internet

You can connect to the Internet by following the procedure below if the connection destination registered when you configured the wireless modem has been set as the [default connection destination](#).

1. Start your browser, e-mail application or other application

### ★ Important

- Please enter the e-mail settings separately if you are going to use e-mail (the set-up method will vary with the application).
2. Enter the URL of the Web page you wish to display and then press the [Enter] key, or use the e-mail tool to send/receive items or perform other activities.

The [Dial-up Connection] window will appear.

3. Click on the [Connect] button



### ★ Important

- A connection will be automatically established with the modem station if [COM Auto Connect](#) is available. If COM Auto Connect is not available, please [manually](#) connect to the modem station.

The following message will appear once you have connected to the Internet.



4. End the connection

The window below will appear if you double-click on the  icon in the task bar.

