1.0



USB Adapter

Manual and

Application note

Index

INTRODUCTION	1
CHAPTER 1	
Supported profiles	2
Supported languages	3
Supported operating systems	3
Limitations	4
CHAPTER 2	
Setup for Windows 98SE/ME/2000/XP	5
CHAPTER 3	
Basic setting	7
Express Mode Set-up	7
Custom Mode Set-up	15

CHAPTER 4

Making the most of your Bluetooth	
device	25
Connecting to the internet	25
Connecting to the internet using a mode	em
station	25
Connecting to the internet using a mob	ile
telephone	34
Connecting to a network[LAN]	43
Connecting to a LAN using an access	
point[LAP]	43
Connecting to a LAN using an access	
point[PAN]	51
Sending Files	57
Exchanging Files with a PC or PDA	57
Sending images to a mobile telephone	64
Exchanging business card data with a l	°C
or PDA	67
Synchronizing data with a PDA	77
Connecting using ActiveSync	77
Fax transmission	87
Using a modem station for fax	
transmission	87
Using a mobile telephone for fax	
transmission	107
Using a Bluetooth-compatible camera	122
Using a headset communicate	127
CHAPTER 5	

Advanced features	135
Making an undiscoverable to other	
users	135

Encrypting the content of your	
transmissions	136
Changing the default connection	137
Manually creating a virtual Bluetooth	n COM
port	140

CHAPTER 6

Troubleshooting	145
General operating of the Bluetooth	
Utility	145
Using a wireless modem station	148
Using an access point	151
Using a mobile telephone	152
Using a PDA	155
Using a camera	155
Using a Bluetooth Headset	156
FCC Caution	158



Introduction

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

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

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

Chapter1

Supported profiles

Windows 98SE/ME

This Bluetooth Stack for Windows supports the following profiles. Please note that profiles HSP, PAN, BIP, A2DP, AVRCP and GAVDP are supported by Windows XP and Windows 2000 only.

- (a) Dial-Up Network (DUN)
- (b) Fax profile (FAX)
- (c) Local Access Profile (LAP)
- (d) Serial Port Profile (SPP)
- (e) Human Interface Devices (HID)
- (f) Hard Copy Replacement Profile (HCRP)
- (g) File Transfer Profile (FTP)
- (h) Object Push Profile (OPP)

Windows 2000/XP

- (a) Dial-Up Network (DUN)
- (b) Fax profile (FAX)
- (c) Local Access Profile (LAP)
- (d) Serial Port Profile (SPP)
- (e) Human Interface Devices (HID)
- (f) Hard Copy Replacement Profile (HCRP)

- (g) File Transfer Profile (FTP)
- (h) Object Push Profile (OPP)
- (i) Headset Profile (HSP)
- (j) Personal Area Network (PAN)
- (k) Basic Imaging Profile (BIP)
- (I) Advanced Audio Distribution Profile (A2DP)
- (m) A/V Remote Control Profile (AVRCP)
- (n) Generic Audio Video Distribution Profile (GAVDP)

Supported languages

The Bluetooth Stack for Windows supports the following languages.

English Danish French German Italian Japanese Norwegian Spanish Swedish

The following languages are supported by Windows XP and Windows 2000 only.

Dutch Korean Simplified Chinese Traditional Chinese Russian Finnish Portuguese (Brazil)

Supported operating systems

The Bluetooth Stack for Windows supports the following operating systems.

Windows 98 Second Edition Windows ME Windows 2000 Professional (Service Pack 3 or above) Windows XP Professional (Service Pack 1 or above) Windows XP Home (Service Pack 1 or above) Windows XP Tablet PC Edition Windows XP Media Center Edition

Limitations

(a) External Bluetooth drivers cannot be "signed drivers" to receive Microsoft WHQL logo. Therefore, Microsoft's "Unsigned driver" warning messages may pop up during the software installation, Bluetooth headset, mouse or keyboard setup. Please install the drivers and then follow the on-screen instructions.

(b) On Swedish Windows XP, an error message (error code = 633) may be seen during dial-up. Please update the operating system to Windows XP Service Pack 2 or refer to Microsoft knowledge base #831717.

(c) Windows XP fast user switch is not supported. When switching to another user, the Bluetooth Manager is not launched. Please log off before switching to another user.

(d) If "automatic FAX receiving" is enabled on Microsoft FAX manager, and if DUN, FAX, or LAP profile icon is registered on Bluetooth Settings, and then Bluetooth's "resume from standby" may take a couple of minutes to turn on.

(e) Windows 98 Second Edition: If the "Install New Modem" dialog pops up when setting up a Bluetooth modem, mobile phone, or access point, please choose "Don't detect my modem; I will select from a list". Otherwise, the system may freeze during the modem detection. If the manual for your Bluetooth device does not specify a modem driver, then please select "Standard 33600bps modem".

(f) Before connecting or disconnecting a Bluetooth headset, please exit any voice or sound-related applications (e.g. Windows Messenger, Windows Media Player). The audio input and output may not be switched properly if those applications are running. This same precaution is important prior to system standby, hibernate or shutdown, and prior to turning off or unpluging the primary Bluetooth device.

2

Chapter2

Setup for Windows 98SE/ME/2000/XP

Installing Bluetooth software for Windows

1. Please insert the accompanying CD and the setup menu should launch automatically. If the setup menu does not launch automatically, use Windows Explorer to navigate to the appropriate CD-ROM drive and run "setup".

TOSHIBA	_
Bluetooth [™] Se	ettings
Setup Progr	am
Install(v3.03.13(C))	
Show release note	(((-)))
Browse this folder	
Close	

2. When the License Agreement screen is displayed, read the License Agreement, then click the radio button to the left of "**I accept**" and then click the "**Next**" button.

в	luetooth Stack for Windows by Toshiba Setup	
	TOSHIBA CORPORATION	
	End User License Agreement	
	This End User License Agreement (EULA) is a legal agreement between you and TOSHIBA CORPORATION (TOSHIBA) with regard to the copyrighted Software provided with this EULA.	
	Use of any software and related documentation (Software) made available by downloading or otherwise to you by TOSHIBA in whatever form or media, will constitute your acceptance of these terms, unless separate terms are provided by the software supplier, in which case certain additional or different terms may apply. If you do not agree	~
	© Laccept O Ldon't accept OK Cancel	

3. During the installation, the system will try to detect your Bluetooth device, please plug in your Bluetooth device and then click on the "**OK**" button.



4. When the installation is completed, please click on the "**Yes**" button to restart your system.

Bluetoot	th Stack for Windows by Toshiba Setup 🛛 🛛 🔯
i	You must restart your sysem for the configuration changes made to Bluetooth Stack for Windows by Toshiba to take effect. Click Yes to restart now or No if you plan to restart later.
	<u>Yes</u> <u>N</u> o

3

Chapter 3

Basic setting

Methods for registering new devices using the Bluetooth Utility shall now be described. A Bluetooth mouse shall be connected and set up using [Bluetooth Settings] as an example.

[Bluetooth Settings] provides two set-up methods: "Express Mode" and "Custom Mode."

• Express Mode

[Bluetooth Settings] will automatically detect and register services. If several services (profiles) are supported by the device the service that has been set to the highest priority shall be selected and registered.

Express Mode is normally recommended for device set-up.

Custom Mode

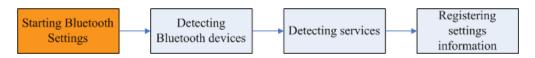
After having been detected, the services supported by the device are displayed as a list, from which you can select the desired function(s).

Custom Mode must be used to set up a device if, for example, you wish to use a modem station to send a fax (because in Express Mode, the DUN profile will be automatically selected since it has a higher priority than the FAX profile).

The differences between setting up the same device (a Bluetooth mouse) using Express Mode and Custom Mode are described on the following pages.

3.1 Express Mode Set-up

3.1.1 Starting Bluetooth Settings



 Click [Start]→[All Programs]→[Bluetooth]→[Bluetooth Settings]. (Under Windows 2000, click [Start]→[Programs]→[Bluetooth]→[Bluetooth Settings].)

 \cdot The same result can be achieved by right-clicking on the Bluetooth icon in the task tray and selecting [Bluetooth Settings] from the menu that appears.

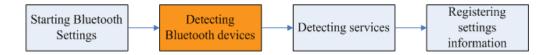
Bluetooth Settings	
Add New Connection	
Device Properties	
Options •	
Help	
Exit	
<u> </u>	10:29 PM

The [Bluetooth Settings] window below will appear when other devices have already been registered.

Bluetooth Settings	
Bluetooth View Help	OBurtout
BT-Modem [Dial-up connection]	Bluetooth
New Connection	Detail X Delete

Please click the [New Connection] button to open the [Add New Connection Wizard] window. If no devices have been registered yet, please proceed directly to "Detecting Bluetooth Devices."

3.1.2 Detecting Bluetooth devices



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

- 1. Switch the device power ON to make it connectable via Bluetooth.
- 2. Confirm that [Express Mode] has been selected in the [Add New Connection Wizard (Welcome to the Add New Connection Wizard)] window, and click on the [Next] button.



Searching for Bluetooth devices will start.



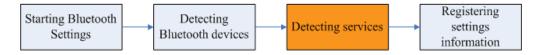
When the device has been detected, the name and address of the device will appear in the [Add New Connection Wizard (Select Device)] window.

dd New Connection Select a device	1 112010		
	Please choose the Bluet Bluetooth device addre Device list	ooth device you wish to use.	
6	Device Name	Device Address	~
$\mathbf{U}(\mathbf{O})$	BT-Mouse-1	00:03:74:08:75:89	
	2		~
		Re	fresh
	< Ba	* Next>	Cancel

• If no device is found, please confirm that the device has been made connectable via Bluetooth, and click on the [Update] button.

· A further device search will be performed.

3.1.3 Detecting services



1. Select the device name from [Device List] and click on the [Next] button.

Select a device			
	Please choose the Bluet Bluetooth device addre Device list	ooth device you wish to use.	
()	Device Name	Device Address	~
LO)	BT-Mouse-1	00:03:7A:08:75:89	
10	2		
S		Re	iresh

Bluetooth device detection will commence.

d searches for remote device services.
The local device is searching for remote device services.

Note

 \cdot If several services (profiles) are supported by the device, the service that has been set to the highest priority shall be automatically selected and set up in Express Mode. Please use Custom Mode if you wish to select desired services manually.

• When a service has been detected, a window prompting you to enter the Bluetooth passkey (PIN code) may appear. Please enter the passkey and click on the [OK] button.

Bluetooth Passkey (PIN):	
 (If left blank, the d	efault PIN will be used.)
Request Device	
Bluetooth Device Address:	00:07:61:01:B1:DE
Bluetooth Device Name:	BT-Mouse-1

 \cdot If you have not entered your Bluetooth passkey after a certain amount of time has passed, the connection process will be cancelled for security reasons. Please perform the passkey entry process again.

A message will appear prompting you to prepare the device for connection.

2. Click on the [OK] button.

Bluetoo	th Settings 🛛 🔀
i)	Prepare to connect to the remote HID device, then click OK.
	ок

Note

 \cdot When the settings information has been registered, a window prompting you to enter your Bluetooth passkey (PIN code) may appear. Please enter your passkey and click on the [OK] button.

	Bluetooth Passkey (PIN):	
-	(If left blank, the d	efault PIN will be used.)
(ACC)	Request Device	
	Bluetooth Device Address:	00:07:61:01:B1:DE
	Bluetooth Device Name:	BT-Mouse-1

 \cdot If you have not entered your Bluetooth passkey after a certain amount of time has passed, the connection process will be cancelled for security reasons. Please perform the passkey entry process again.

The [Add New Connection Wizard (Connection Name Setup)] window will appear if a service has been properly detected.

3. Select the type and name of the icon to be displayed once the device has been registered, and click on the [Next] button.

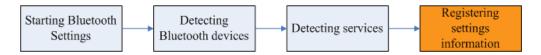
Add New Connection	Wizard 🛛 🛛 🕅
Enter a name and se	elect an icon.
	Set up the connection name and icon. Setting information Connection Name:
	BT-Mouse-1
	Change Icons
	Create a shortcut on the desktop
	<back next=""> Cancel</back>

Note

 \cdot If you wish to change the icon, please click on the [Change Icon] button and select your preferred icon from the list that appears.

Change Icons	X
	
≝瓣∞ఎ∩⋓	
🚣 🛱 📾 🖠 숙 🌶	
@■₽₽₽₩	
	2
OK Cancel	

3.1.4 Registering settings information



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

1. Click on the [Finish] button

Add New Connection	Wizard 🛛 🕅
Completing the Add	New Connection Wizard
	Registration of connection information complete.
	K Back Finish Cancel

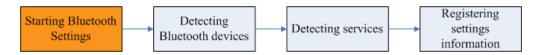
The [Bluetooth Settings] window will appear.

The icons of the registered devices will appear, and the devices will be ready to use.

Bluetooth Settings Sluetooth View Help	
	3 Bluetooth
BT-Mouse-1	10
D1-m0use-1	
	<i>UL</i>
lu .	11
	//
New Connection	Detail X Delete

3.2 Custom Mode Set-up

3.2.1 Starting Bluetooth Settings



Click [Start]→[All Programs]→[Bluetooth]→[Bluetooth Settings].
 (Under Windows 2000, click [Start]→[Programs]→[Bluetooth]→[Bluetooth Settings].)

Note

• The same result can be achieved by right-clicking on the Bluetooth icon in the task tray and selecting [Bluetooth Settings] from the menu that appears.

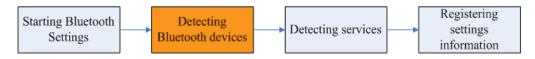
Bluetooth Settings	
Add New Connection Device Properties Options	
Help Exit	
<u>ଞ୍ଚ</u> (10:29 PM

The [Bluetooth Settings] window below will appear when other devices have already been registered.



Please click the [New Connection] button to open the [Add New Connection Wizard] window. If no devices have been registered yet, please proceed directly to "Detecting Bluetooth Devices."

3.2.2 Detecting Bluetooth devices



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

- 1. Switch the device power ON to make it connectable via Bluetooth.
- 2. Confirm that [Custom Mode] has been selected in the [Add New Connection Wizard (Welcome to the Add New Connection Wizard)] window, and click on the [Next] button.



Searching for Bluetooth devices will start.



When the device has been detected, the name and address of the device will appear in the [Add New Connection Wizard (Select Device)] window.

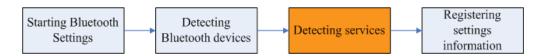
Add New Connection Select a device	ı Wizard		
	Please choose the Bluet Bluetooth device addre	ooth device you wish to use.	
(0)	Device Name BT-Mouse-1	Device Address 00:03:7A:08:75:89	
		Ba	v
			Cancel

Note

 \cdot If no device is found, please confirm that the device has been made connectable via Bluetooth, and click on the [Update] button.

· A further device search will be performed.

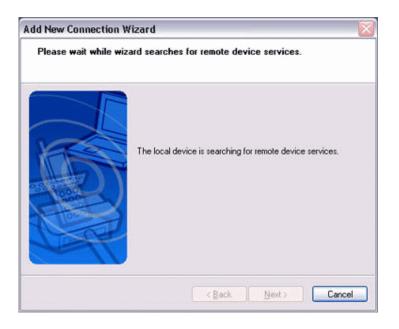
3.2.3 Detecting services



1. Select the device name from [Device List] and click on the [Next] button.

Add New Connection	Wizard	
Select a device		
	Please choose the Bluet	ooth device you wish to use.
0	Device Name BT-Mouse-1 BT-Modem	Device Address 00:03:7A:02:C9:87 00:03:7A:09:AA:46
		<u>R</u> efresh
	(<u>B</u> a	ck Next> Cancel

Bluetooth device detection will commence.



 \cdot When a service has been detected, a window prompting you to enter the Bluetooth passkey (PIN code) may appear. Please enter the passkey and click on the [OK] button.

Bluetooth Passkey (PIN):	
 (If left blank, the d	efault PIN will be used.)
Request Device	
Bluetooth Device Address:	00:07:61:01:B1:DE
Bluetooth Device Name:	BT-Mouse-1

• If you have not entered your Bluetooth passkey after a certain amount of time has passed, the connection process will be cancelled for security reasons. Please perform the passkey entry process again.

• If you try to register a device that has already been registered, the following message will appear, and you will not be able to proceed with further operation. Please click on the [OK] button to close the message.

Bluetoo	th Settings 🛛 🔀
1	This HID device is already registered.
	Сж

The services supported by the device will be displayed.

2. Select the desired service and click on the [Next] button.

Select a service.		
	Please choose the service b	o use.
2	Service selection	Service Name
6		Device Cordless Presenter
N		
XO	<	
	< Back	Next > Cancel

· When a device supports several services

If the device supports several services, you can use Custom Mode to manually select the services (profiles) you wish to use from the list that appears under [Select Services].

Example: List of wireless modem station services

ervice Class	Service Name
Dial-up Netwo	Dial-up networking
Fax	Fax
Serial Port	Serial Port

If Express Mode is used to perform the set-up, the highest-priority service in the device will be automatically selected and configured.

3. Click on the [OK] button.



 \cdot When the settings information has been registered, a window prompting you to enter your Bluetooth passkey (PIN code) may appear. Please enter your passkey and click on the [OK] button.

	Bluetooth Passkey (PIN):	
-	(If left blank, the d	efault PIN will be used.)
	Request Device	
	Bluetooth Device Address:	00:07:61:01:B1:DE
	Bluetooth Device Name:	BT-Mouse-1

 \cdot If you have not entered your Bluetooth passkey after a certain amount of time has passed, the connection process will be cancelled for security reasons. Please perform the passkey entry process again.

The [Add New Connection Wizard (Connection Name Setup)] window will appear if a service has been properly detected.

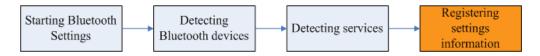
4. Select the type and name of the icon to be displayed once the device has been registered, and click on the [Next] button.

Add New Connection	
Enter a name and s	elect an icon.
	Set up the connection name and icon.
	Setting information Connection Name:
	BT-Mouse-1
82300	lcon
	Change Icons
	Create a shortcut on the desktop
	< Back Next > Cancel

 \cdot If you wish to change the icon, please click on the [Change Icon] button and select your preferred icon from the list that appears.



3.2.4 Registering settings information



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

1. Click on the [Finish] button

Add New Connection	Wizard 🛛 🕅
Completing the Add	New Connection Wizard
	Registration of connection information complete.
	K Back Finish Cancel

The [Bluetooth Settings] window will appear.

The icons of the registered devices will appear, and the devices will be ready to use.



4

Chapter 4

Making the most of your Bluetooth device

- 4.1 Connecting to the internet
- 4.1.1 Connecting to the internet using a modem station

Setting up the modem station

- 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] \rightarrow [All Programs] \rightarrow [Bluetooth] \rightarrow [Bluetooth Settings], and then click on [New Connection] from the active [Bluetooth Settings] window.

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.

Add New Connection	
Searching for Blueto	Jour devices.
0	Searching for Bluetooth devices.
	< Back Next > Cancel

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

Select a device	
0	Please choose the Bluetooth device you wish to use. Bluetooth device Device Name BT Modem PC-1 PocketPC Bluetooth Printer Refresh
and an other states	< <u>B</u> ack <u>N</u> ext> Cancel

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.

	Bluetooth Passkey (PIN):	
-	(If left blank, the default f	PIN will be used.)
	PRequest Device	
	Bluetooth Device Address:	00:00:00:00:00:00
	Bluetooth Device Name:	TOSHIBA BT Modem

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

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

35
mmands for the installed modern. This onnections, e.g. GPRS and HSCSD.
of your provider and your mobile phon ings. These settings will vary between rs and providers.
'apn.provider.de'' SN-4,0,0,0
OK Cancel

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.

Create dial-up con	nection	
1	Please give the dial-up con number, and if required, a u	
K	Dial-up connection name:	London A
	Telephone number:	0207 987 6543
Hote	User name:	rgoody99
10000	Password:	•••••
	Confirm password:	•••••
	Set as Default Dial-up	

Important

 \cdot 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

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

Important

 \cdot 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 sicon in the task bar.

ted
:06
bps
382
382 0%
0

Please click on the [Disconnect] button when you want to disconnect from the Internet.

Alternatively, please right-click on the sicon, and then click on [Disconnect].



Note

 \cdot You can start an application to make an automatic connection to the Internet, but you can also make a manual connection using the connection destination icon. The procedure is described below.

1. From the [Bluetooth Settings] window, right-click on the connection destination icon, and then click on [Connect] from the menu that appears.

/	ew Help	Blueto
	20	
Londo	nA	
	Connect	
	Disconnect	
	Delete	-
	Detail	
	Create Shortcut on Desktop Rename Change Icons	X Delete
200 million	New Constructions	X Delete

A window indicating that the connection is being established will appear.

Bluetooth Settings	
Bluetooth Yiew Help	
	Bluetooth'
Bluetooth Settings	
Now connecting. Please wait	
New Connection	K Delete

If the connection has been established successfully, the connection icon and task tray will appear as shown below.



You will be able to browse Web pages using your browser and send and receive e-mail.

Important

 \cdot 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. End the connection

Right-click on the icon, and then click [Disconnect] to end the connection.

luetooth Vie	w Help	Bluetooth
日間	25	
Londor	Connect	
	Disconnect	
	Delete	
	Detail	
	Create Shortcut on Desktop Rename Change Icons	
	New Connection	. X Delete

The following message will appear. Click on the [Yes] button.

ndon A car e you sure			
	e you sure Yes	e you sure you war Yes	Yes No

When the icon appears as shown below, the connection will have ended.



4.1.2 Connecting to the internet using a mobile telephone

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.

 \cdot A Bluetooth passkey (PIN code) is required for you to connect to the mobile telephone. Please make a note of your Bluetooth passkey before you start the set-up process.

Configuring a mobile telephone for use a modem

- 1. Turn on the mobile phone, and set it to be connectable via Bluetooth.
- 2. Right-click the Bluetooth icon in the task tray, and then click on [Add New Connection].



Note

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

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.

Add New Connection W Searching for Bluetoc	
	Searching for Bluetooth devices.

4. Select the device name of the mobile telephone from [Device List], and then click on the [Next] button.

Select a device	
0	Please choose the Bluetooth device you wish to use. Bluetooth device Device Name BT Modem PC-1 PocketPC Bluetooth Printer Refresh
	(Back Next) Cancel

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 mobile telephone for the first time, enter the passkey for the wireless modem station under [Bluetooth Passkey (PIN code)], and then click on the [OK] button.

	Bluetooth Passkey (PIN):	
-A-	(If left blank, the default f	PIN will be used.)
	C Request Device	
	Bluetooth Device Address:	00:00:00:00:00:00
	Bluetooth Device Name:	TOSHIBA BT Modem

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.

35
mmands for the installed modern. This onnections, e.g. GPRS and HSCSD.
of your provider and your mobile phon ings. These settings will vary between rs and providers.
'apn.provider.de'' SN-4,0,0,0
OK Cancel

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.

Create dial-up co	nnection	
1	Please give the dial-up con number, and if required, a u	
Kan l	Dial-up connection name:	London A
	Telephone number:	0207 987 6543
Hose	User name:	rgoody99
10000	Password:	•••••
	Confirm password:	•••••
	Set as Default Dial-up	

Important

 \cdot 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

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

Important

 \cdot 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

 \cdot 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 mobile telephone .

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 sicon in the task bar.

Connection			
Status:		Connected	
Duration:		00:01:06	
Speed:		115.2 Kbps	
Bytes:	7,177	35,382	
Compression:	0%	0%	
Errors:	0	0	

Please click on the [Disconnect] button when you want to disconnect from the Internet.

Alternatively, please right-click on the sicon, and then click on [Disconnect].



Note

 \cdot You can start an application to make an automatic connection to the Internet, but you can also make a manual connection using the connection destination icon. The procedure is described below.

1. From the [Bluetooth Settings] window, right-click on the connection destination icon, and then click on [Connect] from the menu that appears.

1		🕄 Bluet
Londor		1.
	Connect Disconnect	
	Delete	
	Detail	
	Create Shortcut on Desktop Rename Change Icons	X Delete

A window indicating that the connection is being established will appear.

Bluetooth Settings	
Bluetooth View Help	
	3 Bluetooth
Bluetooth Settings	
Now connecting. Please wait	
New Connection	X Delete

If the connection has been established successfully, the connection icon and task tray will appear as shown below.



You will be able to browse Web pages using your browser and send and receive e-mail.

Important

 \cdot 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. End the connection

Right-click on the icon, and then click [Disconnect] to end the connection.

luetooth Vie	w Help	Bluetooth
日間	25 55	
Londor	Connect	
	Disconnect	
	Delete	
	Detail	
	Create Shortcut on Desktop Rename Change Icons	
	New Connection	. X Delete

The following message will appear. Click on the [Yes] button.

Bluetoo	th Settings 🛛 🛛 🕹
?	London A cannot be used if disconnected. Are you sure you want to disconnect?

When the icon appears as shown below, the connection will have ended.



4.2 Connecting to a network[LAN]

4.2.1 Connecting to a LAN using an access point[LAP]

Setting up the access point

Important

• The access point must have been started and a normal connection already established to the network before the access point is set up. Please refer to the access point instruction manual for information on how to set up the access point.

• A Bluetooth passkey (PIN code) is required for you to connect to the access point. Please make a note of your Bluetooth passkey before you start the set-up process.

- 1. Turn on the access point, and confirm that a connection has been established with the network.
- 2. Right-click the Bluetooth icon in the task tray, and then click on [Add New Connection].



Note

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

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.

Add New Connection W Searching for Bluetoc	
	Searching for Bluetooth devices.

4. Select the device name of the access point from [Device List], and then click on the [Next] button.

Select a device			
	Please choose the Bluet Bluetooth device addre Device list	ooth device you wish to use.	
La	Device Name	Device Address	^
TEP	BT-AP-1	00:03:7A:02:C9:87	
	PC-1	00:03:7A:06:6A:83	~
		<u>R</u> ef	resh
	∠ Ba	ck Next> 0	Cancel

You will be asked for the Bluetooth passkey in the window that appears.

5. Enter the passkey under [Bluetooth Passkey (PIN code)], and then click on the [OK] button.

	Bluetooth Passkey (PIN):	•••
-	(If left blank, the de	efault PIN will be used.)
<i>6</i>	Request Device	
	Bluetooth Device Address:	00:03:7A:02:C9:87
	Bluetooth Device Name:	BT-AP-1

Service detection and COM port creation will be performed automatically. The [Add New Connection Wizard (Create Connection Destination)] window will appear.

6. Enter the connection name, user name and password, then click on the [Next] button.

Add New Connection W	izard	×
Create a connection s	etting	
	Please give the connec name and password.	ction a name, and if required, a user
	Connection name:	Direct Connection
(-(O))	User name:	
	Password:	
	Confirm password:	
	< Ba	ck Next > Cancel

Note

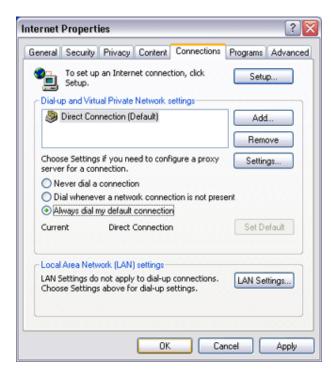
 \cdot The user name and password are entered here to allow you to connect to the access point.

The [Add New Connection Wizard (Confirm Dial-up Settings)] window will appear.

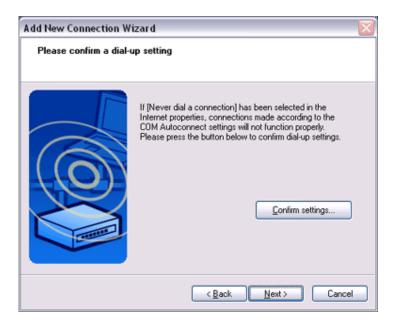
7. Click on the [Confirm Settings] button.



8. **Configure the connection method, and then click on the [OK] button.** Set the connection destination used for the LAN connection set up in (6) above as the default connection destination, and then select "Always dial my default connection."



9. Click on the [Next] button.



10. Enter the type and name of the icon displayed after registration, and then click on the [Next] button.

Please click on the [Next] button if you are satisfied with the settings.

Add New Connection W Enter a name and sel	•
	Set up the connection name and icon. Setting information Connection Name: BT:AP:1[192:168.100.11] [Direct Connection] Icon Change [cons Change [cons Create a shortcut on the desktop
	< <u>B</u> ack <u>N</u> ext> Cancel

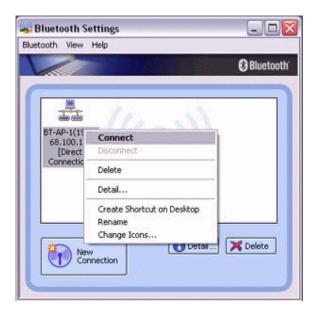
11. Click on the [Finish] button.

The access point icon will be registered in the [Bluetooth Settings] window.



Connecting to a LAN(LAP)

1. Right-click on the connection icon in the [Bluetooth Settings] window, and then click on [Connect].



2. Confirm that "Direct connection" has been selected under [Connection Destination], and then click on the [Connect] button

Cognect to:	Direct Connection	~
Jser name:		
Password:		
	Save password	
	Connect gutomatical	y
Connect	Settings C	ancel

A connection will be initiated.

Note

 \cdot This is an example of what happens when you use "Direct connection" as a connection name under "Connect to access point." If a name different from the connection name is used, that name will appear under [Connection Destination].

• Please simply click on [Settings] if no user name or password have been entered (i.e., if those fields have been left blank)

 \cdot Please change the connection destination if a different connection name (for a dial-up connection) appears in [Connection Destination].

Direct Connection	~
Direct Connection	
London A	

Once you connect to the network, Internet Explorer will start automatically, and you will be able to exchange data with other computers on the network.

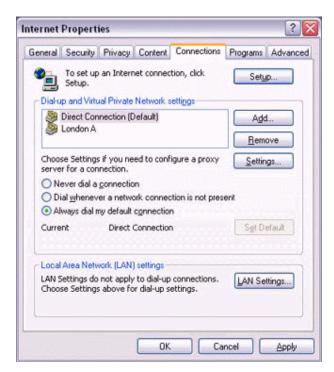
Note

 \cdot Please follow the procedure below if you need to set up a proxy server to connect to the Internet (the following procedure is not necessary if the PC you are going to use has already been set up as a proxy server).

1. Select [Internet Options...] from the [Tools] menu in Internet Explorer.

The [Internet Options] window will appear.

2. Click on the [Connections] tab, and then click on the [Settings...] button.



3. Enter the IP address and port number of the proxy server under [Proxy Server], and then click on the [OK] button.

	tion Settings			
Automatic con	iguration			
	figuration may ove settings, disable a			
Automatica	lly detect settings			
Use autom	atic configuration s	cript		
Addgess				
Proxy server				
Use a pro <u>x</u> apply to ot	y server for this co her connections).	nnection	(These se	ttings will not
Address:	172.17.40.100	Port:	80	Advanged
Bypass	proxy server for k	ocal addre	sses	
Dial-up setting	5			
User name:				Properties
Password:				Adyanced
Domain:				

4.2.2 Connecting to a LAN using an access point[PAN]

Setting up the access point

Important

• The access point must have been started and a normal connection already established to the network before the access point is set up. Please refer to the access point instruction manual for information on how to set up the access point.

 \cdot A Bluetooth passkey (PIN code) is required for you to connect to the access point. Please make a note of your Bluetooth passkey before you start the set-up process.

- 2. Turn on the access point, and confirm that a connection has been established with the network.
- 3. Right-click the Bluetooth icon in the task tray, and then click on [Add New Connection].



Note

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

4. 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.

Add New Connection	
Searching for Blueto	Jour devices.
0	Searching for Bluetooth devices.
	< Back Next > Cancel

5. Select the device name of the access point from [Device List], and then click on the [Next] button.

Add New Connection Wi	zard		$\overline{\mathbf{X}}$
Select a device			
	Please choose the Bluet Bluetooth device addre Device list Device Name BT-AP-1	Device Address 00:40:8C:5C:8C:87	
	< Ba	ck Next > Cano	el

You will be asked for the Bluetooth passkey in the window that appears.

6. Enter the passkey under [Bluetooth Passkey (PIN code)], and then click on the [OK] button.

Bluetooth Mana	ger - Bluetooth Security	
À	Bluetooth Passkey (PIN): (If left blank, the de Request Device Bluetooth Device Address:	efault PIN will be used.) 00:40:8C:5C:8C:87
	Bluetooth Device Name:	BT-AP-1 (192.168.100.21)

Service detection and COM port creation will be performed automatically. The [Add New Connection Wizard (Connection Name Settings)] window will appear.

7. Enter the type and name of the icon displayed after registration, and then click on the [Next] button. Please click on the [Next] button if you are satisfied with the settings.

Add New Connection Wizard	$\overline{\times}$
Enter a name and select an icon.	
Set up the connection name and icon. Setting information Connection Name: DT-AP-1 (192.168.100.21) Icon Icon Create a shortcut on the desktop < Back Next> Cancel	

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

8. Click on the [Finish] button.

The access point icon will be registered in the [Bluetooth Settings] window.



This will complete the access point set-up process.

Connecting to a LAN(PAN)

1. Right-click on the connection icon in the [Bluetooth Settings] window, and then click on [Connect].

		Bluet
	11	
BT-AP-1(19 68.100.1	Connect	1
[Direct	Distannect.	
Connectic	Delete	
	Detail	
	Create Shortcut on Desktop Rename Change Icons	X Delete

2. Enter the passkey under [Bluetooth Passkey (PIN code)], and then click on the [OK] button.

Bluetooth Ma	anager - Bluetooth Security	
-	Bluetooth Passkey (PIN): (If left blank, the default PIN will be used.)	
~	Request Device Bluetooth Device Address: 00:40:80:50:80:87	
	Bluetooth Device Name: BT-AP-1 (192.168.100	.21)
	ОК	ancel

A connection will be initiated.

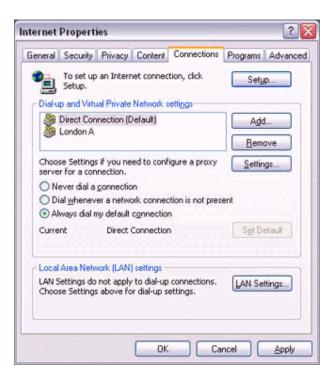
Note

 \cdot Please follow the procedure below if you need to set up a proxy server to connect to the Internet (the following procedure is not necessary if the PC you are going to use has already been set up as a proxy server).

1. Select [Internet Options...] from the [Tools] menu in Internet Explorer.

The [Internet Options] window will appear.

2. Click on the [Connections] tab, and then click on the [Settings...] button.



3. Enter the IP address and port number of the proxy server under [Proxy Server], and then click on the [OK] button.

ocal Area Net	work (LAN) Settings 🛛 🔹 👔
-Automatic conf	iguration
	iguration may override manual settings. To ensure the settings, disable automatic configuration.
Automatica	ly detect settings
Use automa	tic configuration script
Address	
Proxy server Use a proxy dial-up or V	/ server for your LAN (These settings will not apply to PN connections).
Address:	172.17.40.100 Port: 80 Advanced
Bypass	proxy server for local addresses
	OK Cancel

4.3 Sending files

You can send and receive files other than business card data with a Bluetooth-enabled PC or PDA.

Use "File transfer" in the Bluetooth Information Exchanger to exchange files.

Note

 \cdot The same operations will be valid as long as the PC and PDA support the FTP profile

 \cdot "File transfer" cannot be used to send or receive business card data. Please instead use "Object Push" to perform these activities.

4.3.1 Exchanging files with a PC or PDA

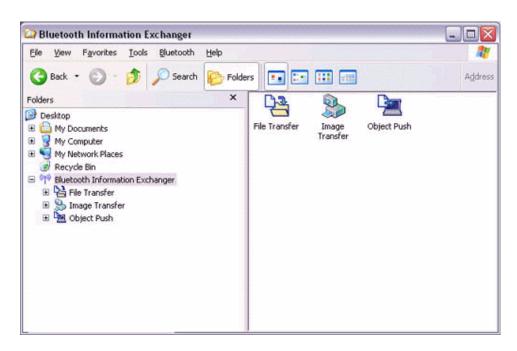
Sending files to a PC or PDA

- 1. Turn on the PC or PDA.
- 2. Double-click on the Bluetooth Information Exchanger icon on the Desktop.



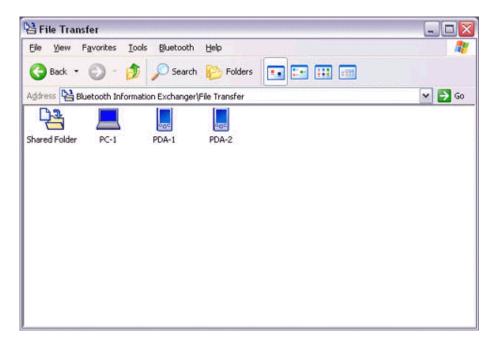
Note

 \cdot Alternatively, opening Explorer and clicking on the Bluetooth Information Exchanger folder will produce the same result.



3. Double-click on the [File transfer] icon.

A list of devices will appear in the [File transfer] window.



Note

 If the desired device does not appear in the list, please confirm that the device has been turned on, and then select [Bluetooth]→[Search Devices].
 A device search will be performed.

 \cdot You can also use "Image transfer" when sending individual image files.

4. Use the mouse to drag and drop the file you wish to send over the destination icon.

In this case, the file will be sent to a PC named "PC-1".



Note

 \cdot When using "File transfer", you can send individual files as well as entire folders.

5. Confirm that the file is being sent.

The file will be sent to the PC.

Note

 \cdot When sending files using "File transfer", a message requesting permission to receive the files may appear on the destination (receiving) device. The content of the message will vary with the Bluetooth software installed on the destination device, so please be sure to follow the instructions provided.

If you are using the Bluetooth Utility, a message similar to the one below will appear.

e Folder	
Documents and Settings\Administrator\My Document	Brows

If the file has been sent successfully, the message below will appear. Please click on the [OK] button.

Bluetoot	th 🔀
Ú)	File transfer was successful.
	ОК

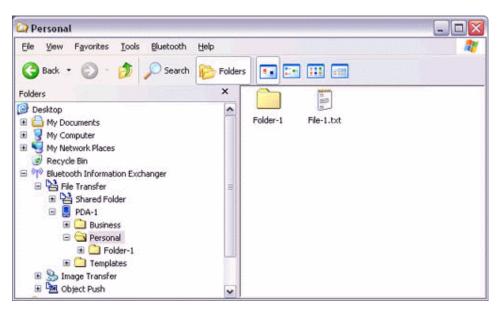
The message below will appear if the file transmission was unsuccessful. Please click on the [OK] button to close the message, and repeat the procedure.

Bluetoo	th 🛛 🔀
⚠	Sending of file failed.
(ок

Note

 \cdot Files that have been sent will be saved in a file transfer shared folder on the destination device.

 \cdot Additionally, with "File transfer", you can open the shared folder on the destination device using Explorer, specify a subfolder, and then send the file there.



 \cdot You can use Properties in the Bluetooth Information Exchanger to change the location of the "Shared folder" on the hard drive.

Receiving files from a PC or PDA

Your PC is able to receive files that have been saved in the shared folder on the destination PC or PDA. Received files will be saved in the shared folder under "File transfer".

1. Turn on the PC or PDA.

Confirm that a Bluetooth connection has been enabled before proceeding.

2. Double-click on the Bluetooth Information Exchanger icon on the Desktop.



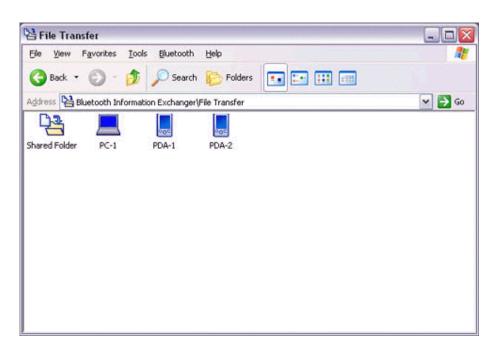
Note

 \cdot Alternatively, opening Explorer and clicking on the Bluetooth Information Exchanger folder will produce the same result.

Bluetooth Information Exchanger		
🔇 Back 🔹 🕥 - 🎓 🖉 Search 📂 Folde	** • • • •	Address
Folders × Image: Desktop Image: Desktop Image: Desktop Image: Desktop <tr< td=""><td>File Transfer Image Object Push Transfer</td><td></td></tr<>	File Transfer Image Object Push Transfer	

3. Double-click on the [File transfer] icon

A list of devices will appear in the [File transfer] window.

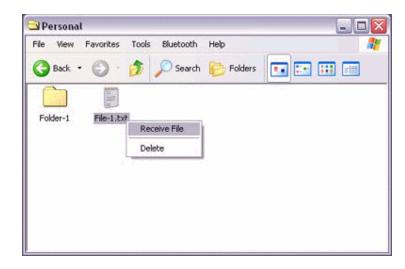


In this case, the file will be received from the PDA named "My Mobile".

4. Double-click on the [PDA-1] icon

The file saved in the shared folder in "My Mobile" will appear.

5. Right-click on the file you wish to receive, and then select "Receive file".



The file will be received from a PDA.

Note

 \cdot With "File transfer", you can send individual files as well as entire folders. Please right-click on the folder you wish to receive, and select "Receive folder".



Subsequent operations should be performed in the same manner as when receiving individual files.

If the file has been received successfully, the message below will appear. Please click on the [OK] button.

Bluetoot	th 🛛 🔀
Ú)	File transfer was successful.
	ОК

The message below will appear if the file transmission was unsuccessful. Please click on the [OK] button to close the message, and repeat the procedure.

Bluetoot	th 🔀
⚠	Sending of file failed.
(ОК

Note

 \cdot The received file will be saved in the "Shared folder" under "File transfer" in the Bluetooth Information Exchanger



You can use Properties under the Bluetooth Information Exchanger to specify the location of the "Shared folder" on the hard drive.

4.3.2 Sending images to a mobile telephone

- 1. Turn on the PC or PDA.
- 2. Double-click on the Bluetooth Information Exchanger icon on the Desktop.

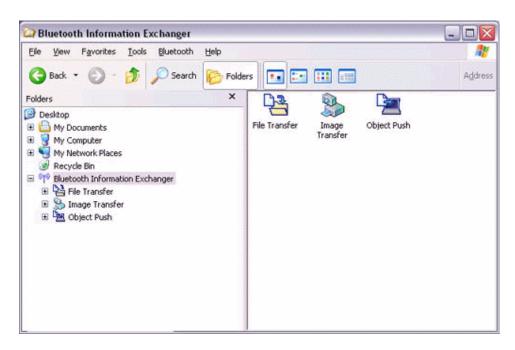


Note

· The mobile telephone must support the BIP profile.

• The image file"(*.bmp)(*.jpg,*.jpeg)(*.png)" formats can be sent and received using "Image transfer".

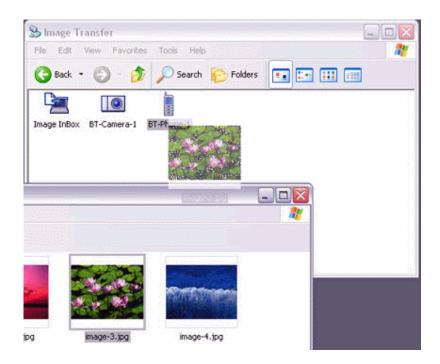
 \cdot Alternatively, opening Explorer and clicking on the Bluetooth Information Exchanger folder will produce the same result.



3. **Double-click on the [File transfer] icon.** A list of devices will appear in the [File transfer] window.

🗄 File Transfer			
Elle <u>V</u> lew F <u>a</u> vorites	Iools Bluetooth	Help	
🌀 Back 🔹 🕥 -	🇊 🔎 Searc	h 😥 Folders 💽 📰	-111
Address 😫 Bluetooth In	formation Exchange	r\File Transfer	🛩 🔁 Go
P3 💻			
ihared Folder PC-1	PDA-1	PDA-2	

4. **Drag and drop the file you wish to send over the destination icon.** In this case, the image will be sent to a mobile telephone named "BT-Phone-1".



The image will be sent.

If the image has been sent successfully, the message below will appear. Please click on the [OK] button.

Bluetoot	th 🛛 🔀
i	Image transfer was successful.
	ОК

The message below will appear if the image transmission was unsuccessful. Please click on the [OK] button to close the message, and repeat the procedure.

Bluetoo	th 🔀
⚠	Sending of image failed.
	ОК

4.4 Exchanging business card data with a PC or PDA

You can exchange business card data with a Bluetooth-enabled PC or PDA. Business card data are exchanged using "Object Push" under Bluetooth Information Exchanger.

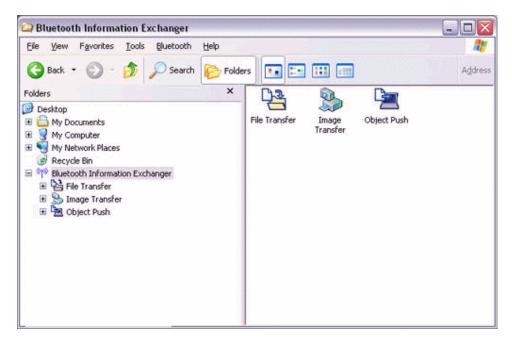
Selecting a business card and sending it to a PC or PDA

- 1. Turn on the PC or PDA.
- 2. Double-click on the Bluetooth Information Exchanger icon on the Desktop.



Note

 \cdot Alternatively, opening Explorer and clicking on the Bluetooth Information Exchanger folder will produce the same result.



3. Double-click on the [Object Push] icon.

A list of devices will appear in the [Object Push] window.

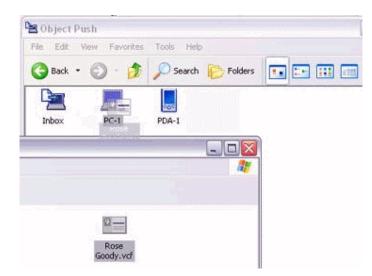
le Yjew	Favorites Ic	ols <u>B</u> luetooth	Help	
Back •	© · 👌	Searc	h 😥 Folders	•• •• ••
Inbox	PC-1	PDA-1		
J.COX				

Note

 If the desired device does not appear in the list, please confirm that the device has been turned on, and then select [Bluetooth]→[Search Devices].
 A device search will be performed.

4. Use the mouse to drag and drop the business card you wish to send over the destination icon

In this case, the business card will be sent to a PC named "PC-1".



Note

 \cdot When you try to send a business card, a message requesting permission to receive the card may appear on the device belonging to the other party (i.e., on the receiving end). The content of the message will vary with the Bluetooth software installed on the destination device, so please be sure to follow the instructions provided. If you are using the Bluetooth Utility, a message similar to the one below will appear.

) o you want to rec	eive a Business Card from 00:03:7A:02:C9:87?
Save Folder	
C:\Documents an	d Settings\Administrator\My Document: Brows

If the business card has been sent successfully, the message below will appear. Please click on the [OK] button.

Bluetooth	
i	Business Card transfer was successful.
	ОК

The message below will appear if the business card transmission was unsuccessful.

Please click on the [OK] button to close the message, and repeat the procedure.



Selecting your personal business card

You can prepare a business card bearing your name and other details such as your company and telephone numbers, and then send it to another party.

Note

 \cdot Alternatively, opening Explorer and clicking on the Bluetooth Information Exchanger folder will produce the same result.

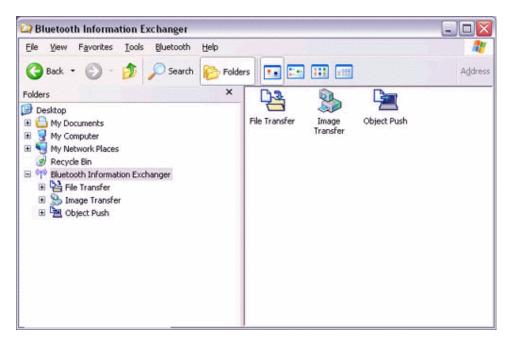
1. Turn on the PC or PDA.

2. Double-click on the Bluetooth Information Exchanger icon on the Desktop.



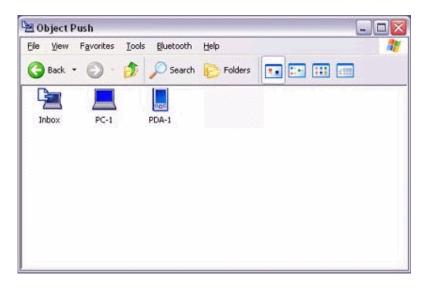
Note

 \cdot Alternatively, opening Explorer and clicking on the Bluetooth Information Exchanger folder will produce the same result.



3. Double-click on the [Object Push] icon.

A list of devices will appear in the [Object Push] window.



Note

 If the desired device does not appear in the list, please confirm that the device has been turned on, and then select [Bluetooth]→[Search Devices].
 A device search will be performed. 4. Right-click on the destination icon, and then click on [Send business card To].

In this case, your personal business card will be sent to a PC named "PC-1".

🖻 Object Push		
File View Favorite	s Tools Bluetooth Help	A 2
🚱 Back 🔹 🕥	- 🏂 🔎 Search 🜔 Folders 💽 📰	-121
Gar 📕		
Inbox PC-		
1.000	Open	
	Explorer	
	Property	
	Delete	
	Service Discovery	
	Send Business Card To	
	Receive Partner's Business Card From	
	Exchange My Business Card	

The business card will be sent.

Note

 \cdot When you try to send a business card, a message requesting permission to receive the files may appear on the device belonging to the other party (i.e., on the receiving end). The content of the message will vary with the Bluetooth software installed on the destination device, so please be sure to follow the instructions provided. If you are using the Bluetooth Utility, a message similar to the one below will appear.

Bluetooth					
2	Will you allow a Business Card transfer to 00:03:7A:02:C9:87?				
	Yes No				

 \cdot Business cards that have been sent will be saved in the Inbox of the destination party.

If your business card has been sent successfully, the message below will appear. Please click on the [OK] button.

Bluetoot	ih 🛛 🔀
i	Business Card transfer was successful.
	ок

The message below will appear if the business card transmission was unsuccessful. Please click on the [OK] button to close the message, and repeat the procedure.

Bluetoo	th 🔀
♪	Sending of Business Card failed.
	ок

Note

 \cdot Data that has been sent will be saved in a folder for exchanged business cards on the destination device.

Receiving a business card from another party

You can prepare a business card bearing your name and other details such as your company and telephone numbers, and then send it to another party.

Note

 \cdot Alternatively, opening Explorer and clicking on the Bluetooth Information Exchanger folder will produce the same result.

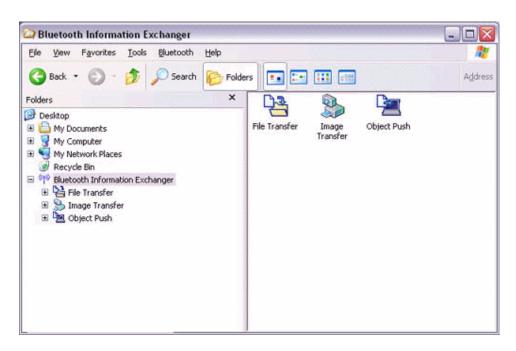
1. Turn on the PC or PDA.

2. Double-click on the Bluetooth Information Exchanger icon on the Desktop.



Note

 \cdot Alternatively, opening Explorer and clicking on the Bluetooth Information Exchanger folder will produce the same result.



3. **Double-click on the [Object Push] icon.** A list of devices will appear in the [Object Push] window.

BObjectPu ∃le ⊻jew		ols <u>B</u> luetooth	Help		
🕒 Back 🝷	© · 💋	Search	Polders	•• •• ••	
Lapor.		EDA-1		an a' ann an an Anna a' an An	
Inbox	PC-1	PDA-1			

Note

 If the desired device does not appear in the list, please confirm that the device has been turned on, and then select [Bluetooth]→[Search Devices].
 A device search will be performed.

4. Right-click on the icon of the party whose card you wish to acquire, and then click on [Receive business card]

In this case, the business card of the other party will be acquired from a PC named "PC-1".

ile View Favorites	Tools Bluetooth Help	
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Inbox PC-1	Open Explorer	
	Property	
-	Delete	
	Service Discovery	
	Send Business Card To	
	Receive Partner's Business Card From	
	Exchange My Business Card	

The business card will be received.

Exchanging business cards

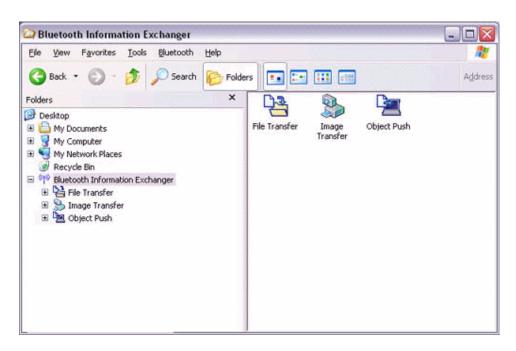
Simultaneously exchange your business card with one belonging to another party.

- 1. Turn on the PC or PDA.
- 2. Double-click on the Bluetooth Information Exchanger icon on the Desktop.



Note

 \cdot Alternatively, opening Explorer and clicking on the Bluetooth Information Exchanger folder will produce the same result.



3. **Double-click on the [Object Push] icon.** A list of devices will appear in the [Object Push] window.

BObjectPu ∃le ⊻jew		ols <u>B</u> luetooth	Help		
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Inbox	PC-1	PDA-1			

Note

 If the desired device does not appear in the list, please confirm that the device has been turned on, and then select [Bluetooth]→[Search Devices].
 A device search will be performed.

 Right-click on the icon of the party with whom you wish to exchange business cards, and then click on [Object Push].
 In this case, the business cards will be exchanged with a DC named "DC 11"

In this case, the business cards will be exchanged with a PC named "PC-1".

ile View Favorites	Tools Bluetooth Help		1
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Inbox PC-1	Open		
-	Explorer		
	Delete		
-	Service Discovery		
	Send Business Card To Receive Partner's Business Card From		
	Exchange My Business Card		

The business card from the party who executed the "Exchange business cards" command will be sent first.

Note

 \cdot When you try to send a business card, a message requesting permission to receive the files may appear on the device belonging to the other party (i.e., on the receiving end). The content of the message will vary with the Bluetooth software installed on the destination device, so please be sure to follow the instructions provided.

If you are using the Bluetooth Utility, a message similar to the one below will appear.

) o you want to	preceive a Business Card from 00:03:7A:02:C9:87?
Save Folder	
C:\Documen/	s and Settings\Administrator\My Document: Brow

4.5 Synchronizing data with a PDA

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

4.5.1 Connecting using ActiveSync

Preparing the PC

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].

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Ex	obile De plore dete Pa	ip	,					•
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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".

2.	Click Get Connected to connect your mo computer.	bile device to this
	Status: Waiting for device to connect	Get Connected.
✓ Allor	egerial cable or infrared connection to thi	s COM port:
00	м7	•
Stat	us: COM port is not available	
Allor	v USB connection with this desktop com	outer.
Stat	us: USB is available	
	v getwork (Ethernet) and Remote Access er connection with this desktop computer	
serv	us: Network is available	
serv		

Note

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

Preparing the PDA

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



Important

 \cdot The graphic above shows an example of a PDA operating window.

The connection procedure may be different depending on the manufacturer or model of PDA you use. Please refer to the product instruction manuals for further details.

The [Bluetooth Settings] window will open.

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



Please tap on [OK] to close the message.

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

🎊 Bluetooth	Sett 👘 🚚	4€ 12:06 🐽				
Remote Device	es	Status				
Service Name	Status	Description				
Device Searc	:h					
Search Optio	Search Options 🔸					
Delete Ghost	Devices					
Tools View Opt	ions 🔍	▲				

The application searches for nearby Bluetooth devices.

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

Bluetooth 9	5ett [©] ¶ ⁴ "	* ◀€ 12:11	8
Service Name	Status	Description	1
Tools View Opt	ions 🔍	in a second a s	≝ -

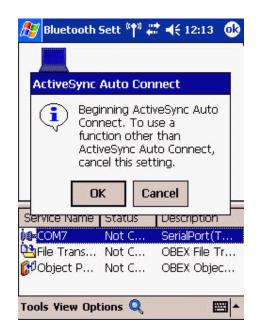
A search for services will be carried out, and then a list of service names and their connection status will appear as list in the lower window.

🎊 Bluetooth	Sett 👫 🗸	‡ 4 € 12:13 🛛 🐽
PC-1		
Service Name	Status	Description
Ó 0 ⊨COM7	Not C	SerialPort(T
💾 File Trans	Not C	OBEX File Tr
💕 Object P	Not C	OBEX Objec
Tools View Opl	tions 🔍	■ ^

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

Bluetooth	Sett ⁽⁽ † ³⁾ 4	4 € 12:15	•
File Tr	Status tiveSync Ro nnection Ro operties		
Tools View Op	tions 🔍	E	

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 the PC.

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

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 appear.

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

New Partnership 🛛 🔀
Specify how to synchronize data Choose to synchronize with your desktop and/or a server
You can synchronize data, such as e-mail messages and calendar items, between your device and this desktop computer. However, if you have access to a Microsoft Exchange Server with Exchange ActiveSync, you can also choose some information types to synchronize directly with a server, getting the most up-to-date information, even when your desktop computer is turned off.
How do you want to synchronize with your device?
Synchronize with this desktop computed
Synchronize with Microsoft Exchange Server and/or this desktop computer (Note: You must have access to Microsoft Exchange Server with Exchange ActiveSync
or Microsoft Mobile Information Server.)
< <u>B</u> ack <u>N</u> ext> Cancel Help

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

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

	ar type of information, select its check box. To ormation, clear its check box.	o stop
Mobile Device	Desktop Computer	^
AvantGo	AvantGo Channels	
Calendar	Microsoft Outlook	
Contacts	Microsoft Outlook	14
Favorites	Internet Explorer	
E Ges	Synchronized Files	27
🗹 🙆 Inbox	Microsoft Outlook	
□ □ Notes	Microsoft Outlook	~
	nd to customize what gets synchronized, clic n the list and then click Settings.	k Settings

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

4. Click on the [Finish] button.



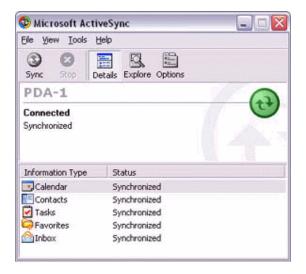
When you click on the [Finish] button, ActiveSync will begin to synchronize your information.

[Confirming changes]

🚳 Microsoft A	ctiveSync	
Eile Yiew Iools	: Help	
Sync Stop	Details Explore Options	
PDA-1		
Looking for ch		



[Synchronization 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

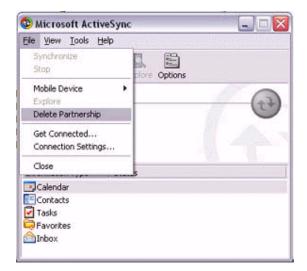
Tap and hold on "COM7" in the Bluetooth Settings window, and select [ActiveSync Release].

Bluetooti	h 5ett [®] ¶ [®] ∔	*
Service Name	e Status	Description
COM7 File Trans	Conne ActiveSynt Connection Properties	n Registration
Tools View Options 🔍 🔤 🔺		

Cancelling a partnership

Click on [File]→"Delete partnership".

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



4.6 Fax transmission

4.6.1 Using a modem station for fax transmission

Important

 \cdot Please refer to the modem station instruction manual for information on how to connect the station to a telephone line.

 \cdot Please ensure that any drivers used to connect the PC to the modem have been installed.

 \cdot 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.

 \cdot A fax application is required for you to be able to send and receive faxes. The description below is based on a example using Microsoft Fax, which is installed with Windows XP as standard.

If you are going to use a commercially available fax application, then please refer to the manual that came with the application for information on how to send and receive faxes.

Setting up the modem station

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



Note

 \cdot Alternatively, click [Start] \rightarrow [All Programs] \rightarrow [Bluetooth] \rightarrow [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. Select [Custom Mode], and then click on the [Next] button.



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

Add New Connection V	Vizard 🛛 🛛 🕅
Searching for Blueton	oth devices.
	Searching for Bluetooth devices.

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

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