

1. Introduction

1.1. What is BLUEBEE?

BLUEBEE is a Bluetooth USB adapter which provides a wireless network and Internet connection between PCs without access point and any connection cables. With BLUEBEE, you don't need to worry any more about setting up a LAN cable or changing complex network configurations to access Internet with your laptop computer in the office or at home.

PLEASE READ THROUGH THIS MANUAL BEFORE YOU USE BLUEBEE.

1.1.1. BLUEBEE Wireless Network

BLUEBEE can make a wireless network, Point to Point and Multipoint connection (1 Server : 7 Clients)

A wireless network consists of two sides, a Server and a Client. The Server is a PC that is directly connected to Internet through ADSL, Cable Modem or LAN. Where as the Client is a PC that can connect to Internet through the wireless network, which is provide by the Server PC, without having any direct connection sources.

This manual describes, in detail, installing software, setting network configuration, software user manual, and troubleshooting.

The three steps below help you configure a wireless network.

- A. Install PAN and EasyGate on a Server.
- B. Install PAN on a Client(s).
- C. Clients attempt to access the Server.

Server: a PC with a direct connection to Internet (such as ADSL, Cable Modem, LAN, or Dial-up Modem)

Client: a PC without a direct connection to Internet

1.1.2. Main features and specifications

- Wireless Internet and Data sharing
- Plug & Play USB port with high speed support
- Multi-users : Maximum seven PCs can share at the same time
- Bandwidth : Maximum 1Mbps
- Range : 100m
- Security option: Password authentication for network connection
- Specification : Bluetooth Specification 1.1 and PAN Profile V0.96E

1.2. Supplied Items

- Two Bluetooth USB Adapters
- Extension cable
- Program CD
- User Manual

1.3. System Requirements

- CPU : Pentium III or higher is recommended.
- Memory : 64MB or higher is recommended.
- Interface
 - ✧ Server : a LAN card, a USB port, and CD_ROM
 - ✧ Clients : a USB port and CD_ROM
- Operating System: Windows98SE / ME / 2000 / XP

2. Installing Software

In Chapter 2, a step-by-step installing guide will be given for software installation.

Install PAN on both a Sever and Clients, but EasyGate on the Server only!

[SERVER]

2.1. Installing PAN

First, install PAN on the Server. Assuming D:\ is a CD-ROM Drive, do as follows:

- Double click on the Setup.exe icon at **D:\ Pan\ Setup.exe**.
- You can **install the USB adapter** before installing PAN, but we recommend installing the USB adapter **after PAN installation is complete**.

2.1.1. InstallShield wizard

- Click on “Next” button to start installation.

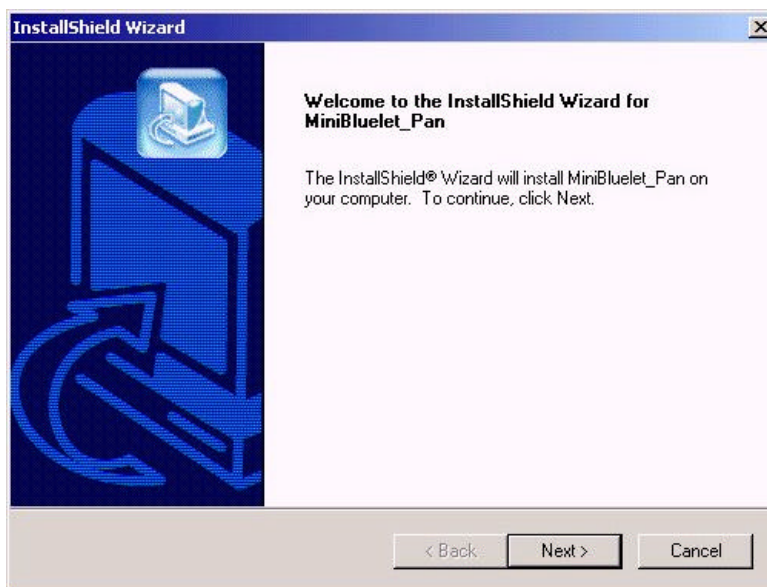


Figure 2-1: PAN Installing Wizard

2.1.2. Software license agreement

- Click “Yes” to continue the installation if you agree to all the terms in the license agreement.

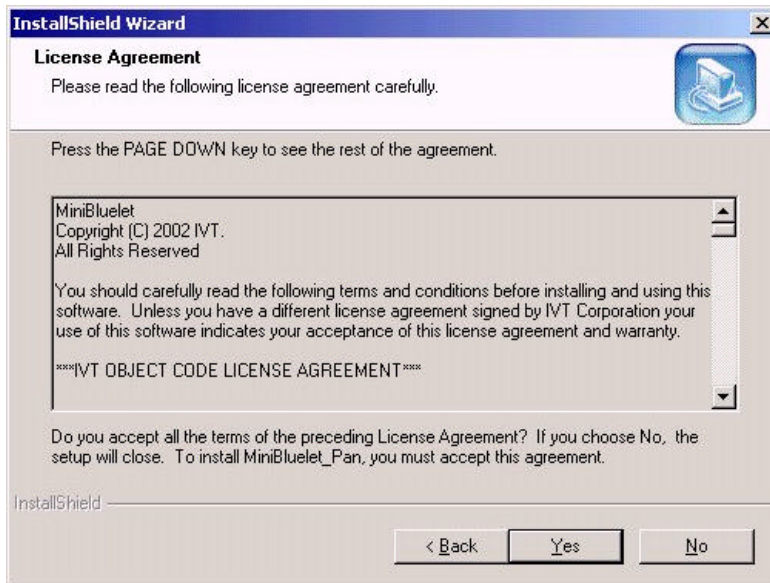


Figure 2-2: Software License Agreement

2.1.3. Choose destination location

- The default location is **C:\ Program Files\ IVTCorporation\ MiniBluelet\ Pan.**
- Click “Next” button to install program to this folder.
(Click “Browse” to select different destination folder.)

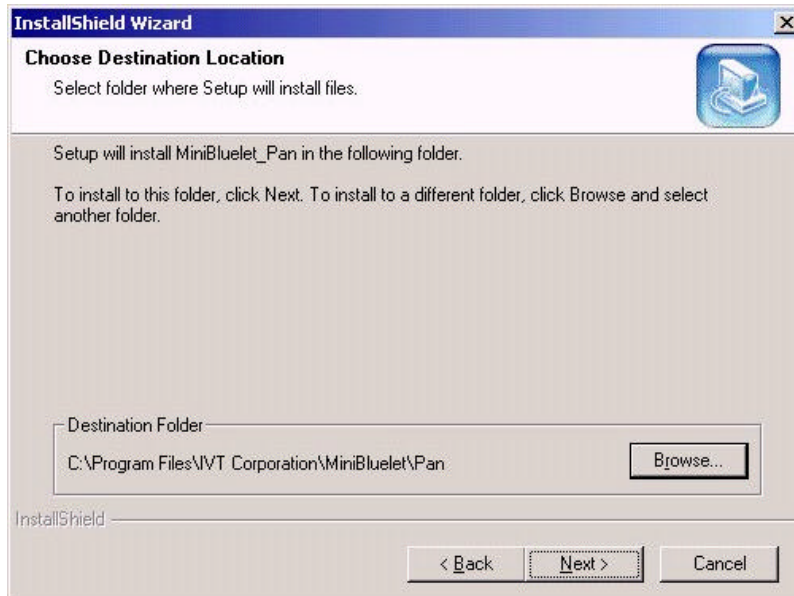


Figure 2-3: Choose Destination Location

2.1.4. Windows2000 or WindowsXP configuration

2.1.4.1. Digital signature [Windows 2000 only]

- If you are using Windows 2000, it might prompt “Digital Signature Not Found” form as follows. In this case, click “Yes” to continue the installation.

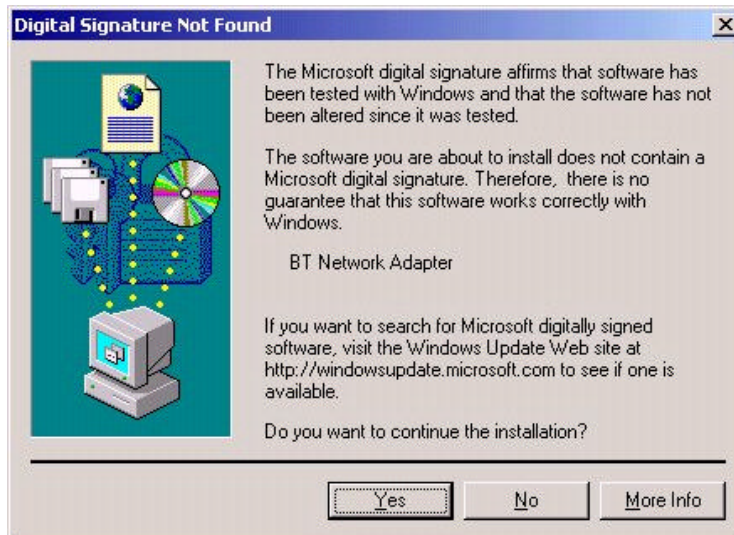


Figure 2-4: Digital Signature Prompt [Windows 2000]

2.1.4.2. Installing BT network adapter [Windows XP only]

- If you see similar message as [Figure 2-5] in Windows XP, click “Continue Anyway” to continue the installation.



Figure 2-5: BT Network Adapter Installation Message [Windows XP]

2.1.5. InstallShield wizard complete

- If you see as [Figure 2-6], PAN is successfully installed on your computer.
- [Windows98SE / ME] User : Restarting PC is required to accept changes.
- [Windows2000 / XP] User : Restarting PC is not required.



Figure 2-6: PAN Installation is Completed

Note:

Windows98SE / ME Users may experience a failure of locating device drivers while installing BT network adapter during the PAN software installation process.

In this case, you can install the BT network adapter manually using

C:\ProgramFiles\IVTCorporation\MiniBluelet\Pan\Device\win9x\IVTnetBT_For98.inf

Please refer to “Chapter 6. Troubleshooting” for more details.

2.1.6. PAN first run configuration

Plug in USB Adapter to any empty USB port.

[Windows98SE / ME] User: After restarting PC, PAN First Run Configuration window will pop up automatically.

[Windows2000 / XP] User : Double click on the PAN icon from the Desktop.

- Type user name for ' Device Name' . (Example: BT Server, BT Client)
This name will appear on the BlueNetwork list [Refer to Figure 3-1].
- Type passkey in, and retype the passkey to confirm.
- Select the type of your device. For a notebook computer, select ' Laptop' , and otherwise, select ' Desktop' .
- Check mark on "Automatically start Pan" if you want to make PAN application operate immediately whenever the system is booted.
- You need to do this initial configuration only once, and the configuration is changeable.

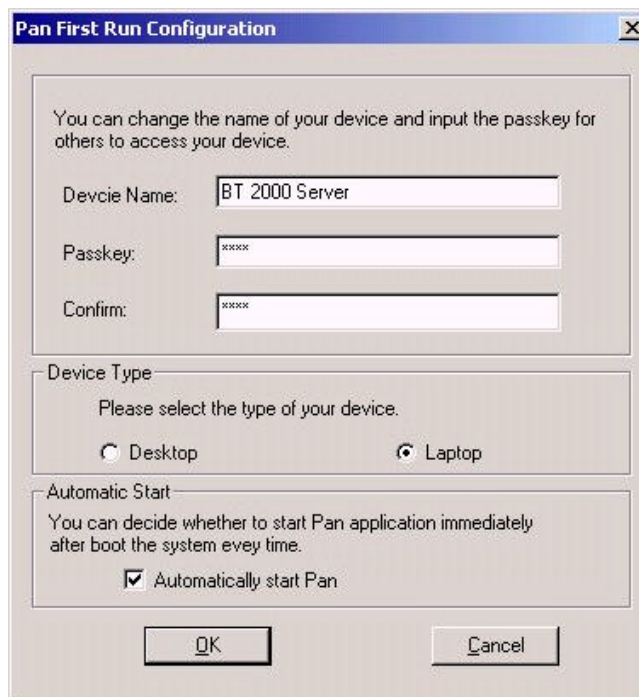


Figure 2-7: Initial PAN Configuration

2.1.7. Select work mode

- You might see a notice as [Figure2-8], if the USB Adapter is not plugged in. (If you have completed section 2.1.6 successfully, you may skip this section.)
- Make sure the USB adapter is properly plugged in, and click “Exit” button. And then run PAN application again.

It might take a few minutes to configure the USB Adapter.

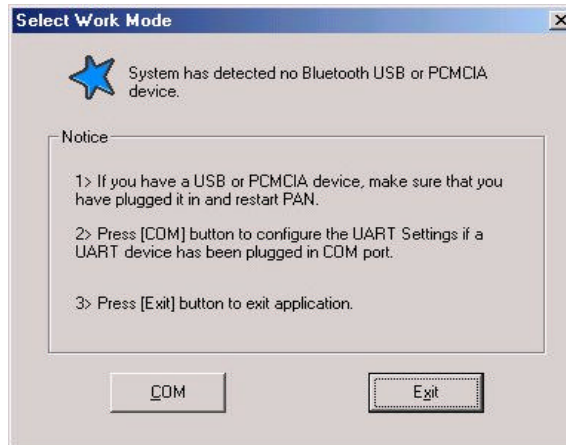


Figure 2-8: Select Work Mode

2.2. Installing EasyGate

After completing PAN installation, install EasyGate on the Server.

EasyGate is an Internet sharing program, which enables the Clients to share the Internet connection through the Server.

If your Internet connection is LAN, ADSL, or Cable Modem, then refer to section 2.2.1 to install EasyGate. If your Internet connection is a dial-up modem, refer to section 2.2.2 to install EasyGate.

2.2.1. If you have LAN, ADSL, or Cable Modem

Before installing EasyGate, run PAN by double clicking PAN icon on the Desktop.

The PC on which you are installing EasyGate needs to be connected to Internet before you install EasyGate.

Assuming D:\ is the CD-ROM Drive,

- Double click “ D:\ EasyGate\ Setup.exe” to run installation program.

2.2.1.1. Choosing network adapter

- After EasyGate ‘Finish checking IP address for using’, choose network adapter that is connected to the Internet, and then click “ Configuration” button.
- In Windows98SE / ME, the name of network adapter is usually the manufacture’ s model name. In Windows 2000 / XP, the name of network adapter can be found under “ Network Environment” properties.

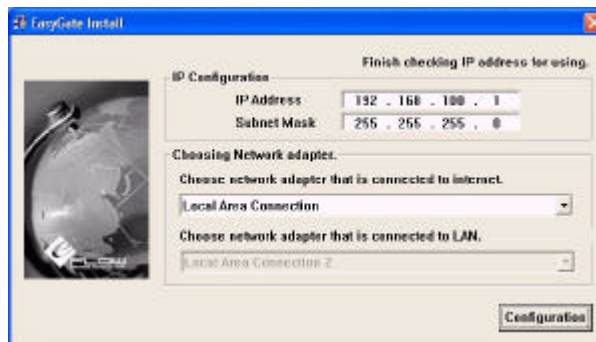


Figure 2-9: Choosing Network Adapter

- Reboot your computer to complete the installation process.



Figure 2-10: Installation Complete

2.2.1.2. Confirmation of software installation

After rebooting your computer, PAN and EasyGate will run together at the same time.

- A notice window will pop up for PAN information.



Figure 2-11: PAN Information

- You can also find 'Blue Star' icon and the 'EasyGate network' icon on the right corner of the window taskbar.



Figure 2-12: Blue Star Icon and EasyGate Icon

2.2.2. If you have Dial-up Modem (if you have high speed Internet, refer to 2.2.1)

Before installing EasyGate, run PAN by double clicking PAN icon on the Desktop.

The PC on which you are installing EasyGate needs to be connected to Internet before you install EasyGate. Therefore connect to Internet using 'Dial-Up Networking' before you install EasyGate.

(If you are using customized dial-up Internet program, you may not be able to use EasyGate. Please refer to 'Chapter 6. Troubleshooting' for more details.)

Assuming D:\ is the CD-ROM Drive,

- Double click "D:\ EasyGate\ Setup.exe" to run installation program.

2.2.2.1. Choosing network adapter

- After EasyGate 'Finish checking IP address for using', choose "Dial-Up Adapter" as a network adapter, and then click "Configuration" button.

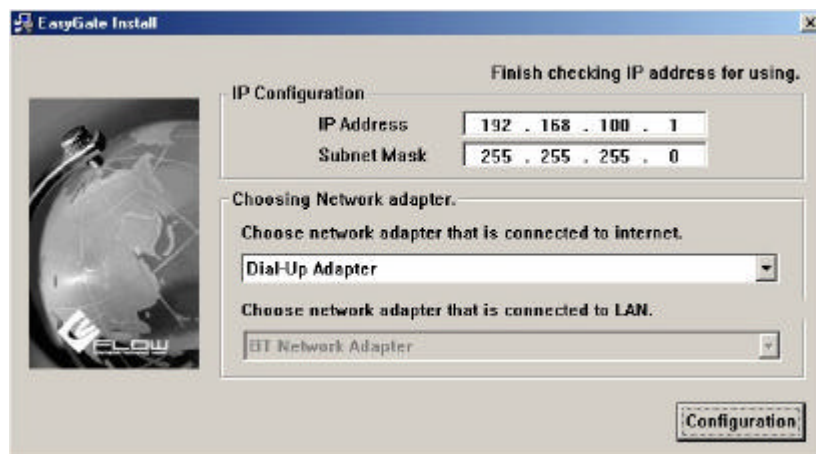


Figure 2-13: Choosing Network Adapter

- Reboot your computer to complete the installation process.



Figure 2-14: Installation Complete

- After rebooting, you have lost dial-up Internet connection and as a result, you will see following message pop up. Click on “Ok” button.

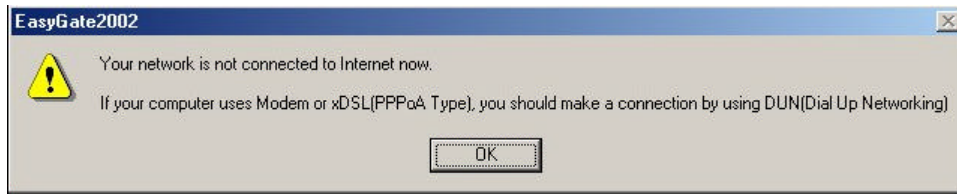


Figure 2-15: Network Connection Confirm Message

- When ‘ EasyDial’ window appears, enter ‘ User name’ and ‘ Password’, choose ‘ Network name’, then click ‘ Dial’ button.



Figure 2-16: EasyDial window

[CLIENTS]

2.3. Installing PAN

Install PAN application on Clients. The installation procedure is same as one’ s on the Server.

Refer section 2.1 (page 3 ~) for step-by-step installation guide.

DO NOT INSTALL EasyGate ON CLIENTS.

3. Network Configuration

In Chapter 3, a detailed explanation of network configuration between the Server and the Clients will be given.

' Computer name' and " Workgroup' of Server and Clients are set as indicated in the following table.

	Computer name	Workgroup
Server	Bluebee Server	Bluebee
Client	Bluebee Client	Bluebee

You can check your computer name and it' s workgroup as follows.

[Windows98SE / ME] User : ' Network Neighborhood' -> ' Properties' -> ' Identification' Tab

[Windows2000 / XP] User : ' My Computer' -> ' Properties' -> ' Network Identification' Tab

Please, make sure to have same ' workgroup' names for all computers.

3.1. Using PAN

- Clients attempt to access the Server.
(Before you attempt to access the Server, make sure the Server is running ' PAN, and ' EasyGate' , on other hand, the Client is running ' PAN' .)

3.1.1. Searching BlueNetwork list

- Double click on the Blue Star icon on the taskbar of a Client to join BlueNetwork.
- Click on ' Search' button to search more Bluetooth devices around.

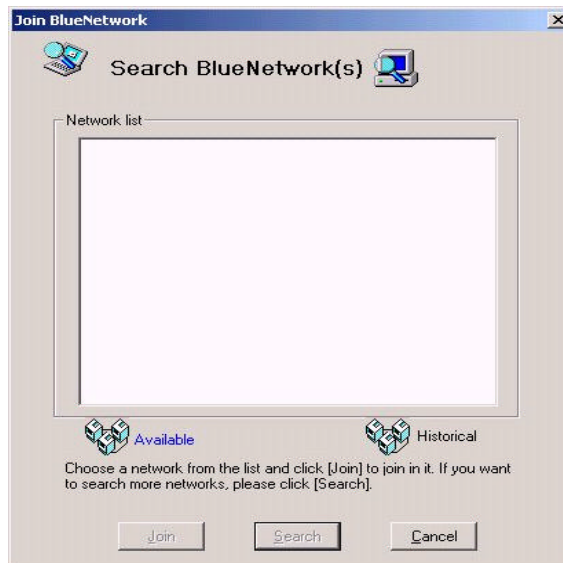


Figure 3-1: Search for Wireless Network

3.1.2. Joining BlueNetwork

- Select a desired Server from the BlueNetwork List, and click 'Join' button. Or you can simply double click on the Server name to join BlueNetwork.
- Enter the passkey as you have set on [Figure 2-7].

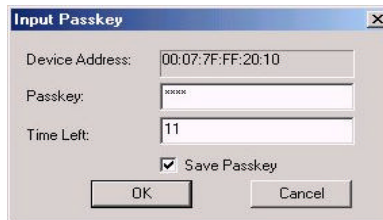


Figure 3-2: Enter Passkey to Join BlueNetwork

- When you have successfully joined BlueNetwork, acquired IP address will be noticed and the 'Blue Star' icon on the taskbar will start spinning. If you don't see the notice or the acquired IP address is not 192.168.X.X, then disconnect the connection and try again.



Figure 3-3: IP Address is Acquired

- You have successfully configured the wireless network between a Server and a Client, and **now Client can also use the Internet.**



Figure 3-4: Computers Near Me

If a Client uses Internet again after it is rebooted, it must be connected with a Server as above process of 3.1.2. 'Joining BlueNetworking'

4. Software Manual

In chapter 4, you will find more detailed user manual and explanation about PAN and EasyGate program.

[PAN]

4.1. PAN menu

- Right click on the Blue Star icon to see the PAN menu.



Figure 4-1: PAN Menu

4.2. About PAN

- It displays software version as well as other device information such as Device Name, Manufacturer, and Device Address. Device Name is the name that appears on the BlueNetwork List when other devices search on BlueNetwork.

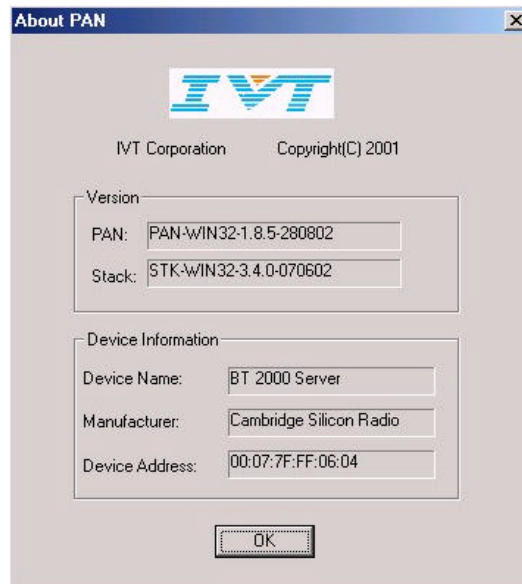


Figure 4-2: About PAN

4.3. Joining BlueNetwork

- By selecting a desired Server from the BlueNetwork List, it configures wireless network with the Server and allows for Clients to share the Internet through the Sever.
- From the PAN menu, Click 'Join BlueNetwork'. Or simply double click on the 'Blue Star' icon on the taskbar.
- Click 'Search' button to search more Bluetooth devices around. Device names in blue color are available devices for wireless network connection.
- Select a desired sever name, and click 'Join' button.

When 'Input Passkey' window appears, enter the passkey that had been set on the Server.

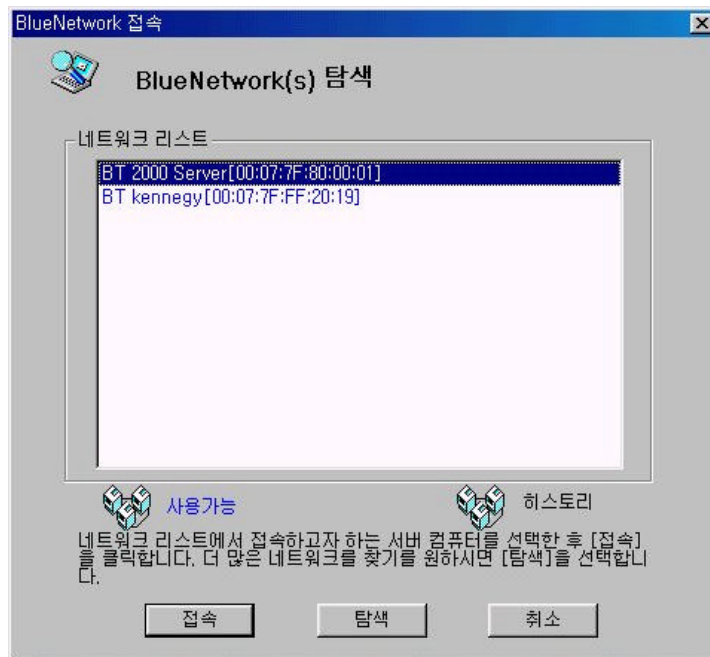


Figure 4-3: Joining BlueNetwork

After wireless connection is established, the Server assigns IP address to the Clients, allowing them to share the Internet through the Server. The Blue Star icon on the taskbar starts spinning as soon as the connection is established. If it stops spinning, it means the connection has been dropped and you need to reestablish the connection. If you place the mouse pointer on the spinning Blue Star icon, it will display acquired IP address and this means the connection is in normal mode.

If you're having trouble establishing wireless network, exit PAN and try 'Search' and 'Join' again.

4.4. Connection Status (User Management)

- When the wireless network is established, 'Connection Status' will appear on Client's PAN menu and 'User Management' will appear on Server's PAN menu.
- 'RSSI(Receiver Signal Strength Indicator)' on Connection Status window indicates the strength of receiver signal. As the level goes down, the connection status becomes better.
- To disconnect the connection between the Server and Clients, click 'Disconnect' button from [Figure 4-6], or select device and click 'Disconnect' button from [Figure 4-7].

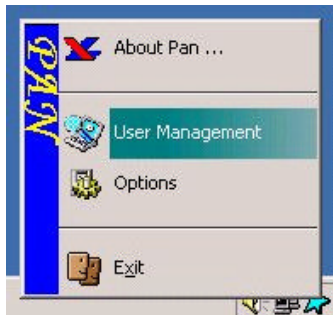


Figure 4-4: Connection Status on Client's Menu

Figure 4-5: User Management on Server's Menu

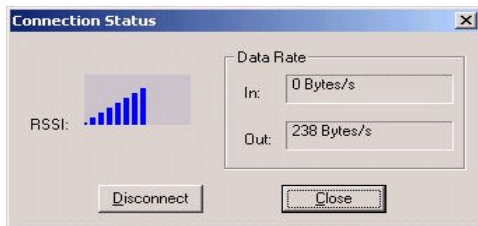


Figure 4-6: Connection Status

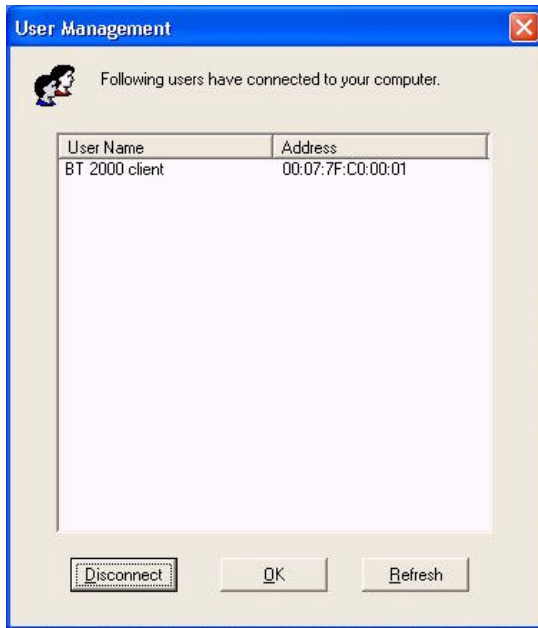


Figure 4-7: User Management

4.5. Option settings

- The sub sections include Access Passkey, Advanced Settings, NAP settings, and Automatic start option.

4.5.1. Change access passkey

Setting Access Passkey prevents any unauthorized access to the Server. The default Passkey is 'root', and you can change Passkey by entering a new Passkey into 'Passkey' and 'Confirm' boxes. NAP is an acronym of Network Access Point and can be used as an option to configure a server. NAP is useful to expand LAN cable wired network such as in small office or home to a wireless network. But NAP is not applied to WAN (such as ADSL and cable modem). Since NAP performs software bridge function, it also increases the CPU usage level. Therefore, **it is recommended not to use NAP option unless it is necessary.**

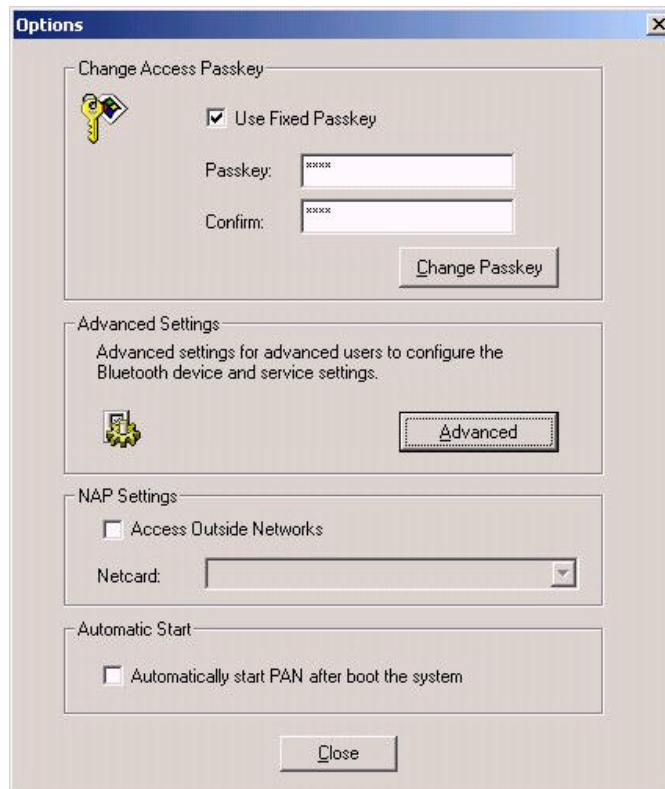


Figure 4-8: Changing Passkey

4.5.2. Advanced settings

- Advanced Settings are about the Bluetooth options and is **recommended to use provided default values.**

4.5.2.1. Security

- This tab includes 'Security Mode' and 'Miscellaneous' subsections. Set the Security Mode on 'No security', then 'Password window' doesn't appear when you access the device.

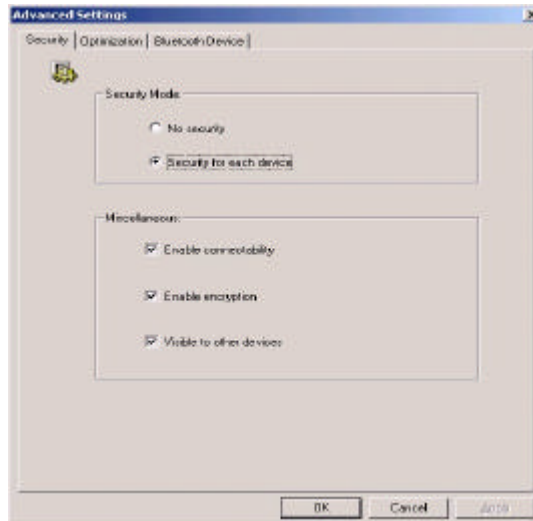


Figure 4-9: Security

4.5.2.2. Optimization

- This tab has subsections including 'Search mode', 'Device Shortcut', and 'Automatic Join'. In case you previously save the device address of then server as shown in [Figure 4-3], search time will possibly be saved.

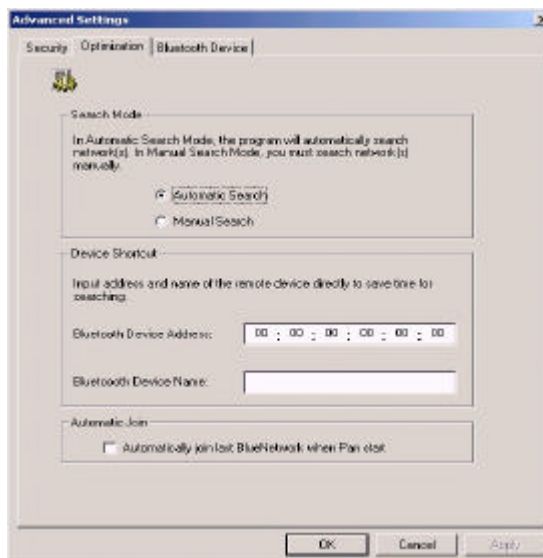


Figure 4-10: Optimization

4.5.2.3. Bluetooth device

- You can check Device Name and Device Address.

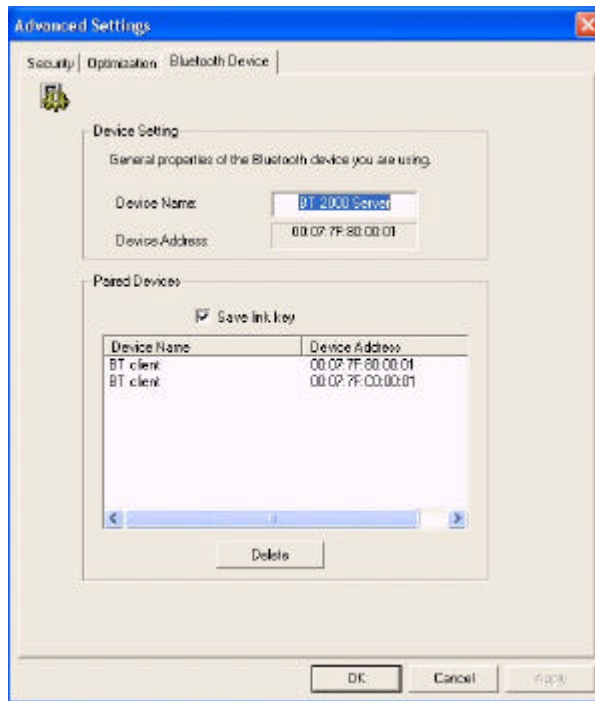


Figure 4-11: Bluetooth Device

4.6. Exit

- Exit PAN first before you turn off or reboot your PC.



Figure 4-12: Exit on PAN Menu

[EasyGate]

4.7. EasyGate menu

- Right click on the ' EasyGate Network' icon to see the EasyGate menu.



Figure 4-13: EasyGate Menu

4.8. Open

- You can configure Network Adapter information and options.
'Adapter to the Internet' will select the actual LAN card. Uncheck mark on ' Use DHCP' , then click ' DHCP Config..' button to assign IP address manually to Client.

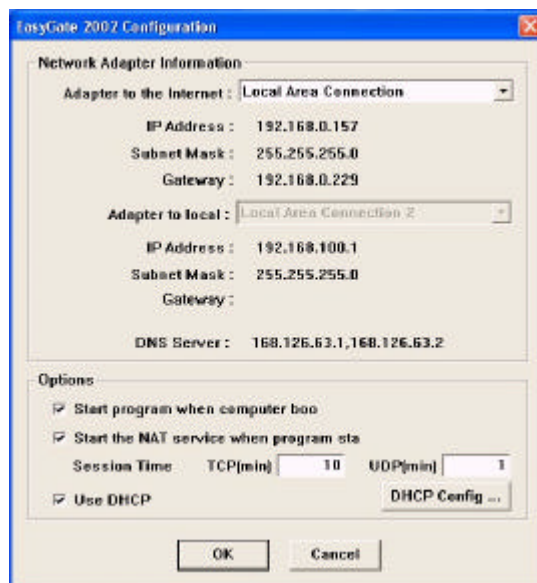


Figure 4-14: EasyGate Configuration

4.9. Miscellaneous

If you want to close the Internet sharing and network service, click ' Stop Service' from the menu. If you want to completely exit program, click ' Exit' from the menu. If you need any additional help, click ' Help' from the menu.

5. Uninstalling Software

In chapter 5, you will find out how to uninstall program successfully.

Important! For Server, uninstall EasyGate first, before you uninstall PAN.

[PAN]

5.1. Uninstalling PAN

Exit PAN first, from the PAN menu and remove Bluetooth adapter prior to uninstalling PAN software.

If this computer is a Server, then make sure you have already uninstalled EasyGate before you continue uninstalling PAN. Refer section 5.2 to uninstall EasyGate.

5.1.1. Run ' Uninstall PAN'

- Click on ' Start' -> ' Programs' -> ' MiniBluelet_Pan' -> ' Uninstall Pan' .



Figure 5-1: Uninstalling PAN

- Press 'OK' to continue PAN uninstallation process.

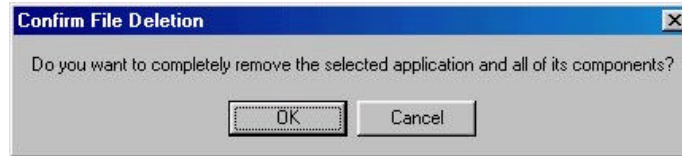


Figure 5-2: Confirm Uninstallation

- PAN Uninstall Wizard will be executed.

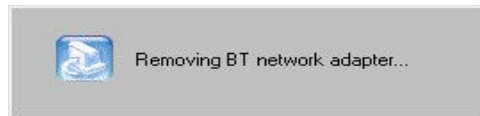


Figure 5-3: PAN Uninstall Wizard

- Uninstallation Complete

[Windows98SE / ME] User : Reboot you PC to complete uninstallation.

[Windows2000 / XP] User : Rebooting is not required.

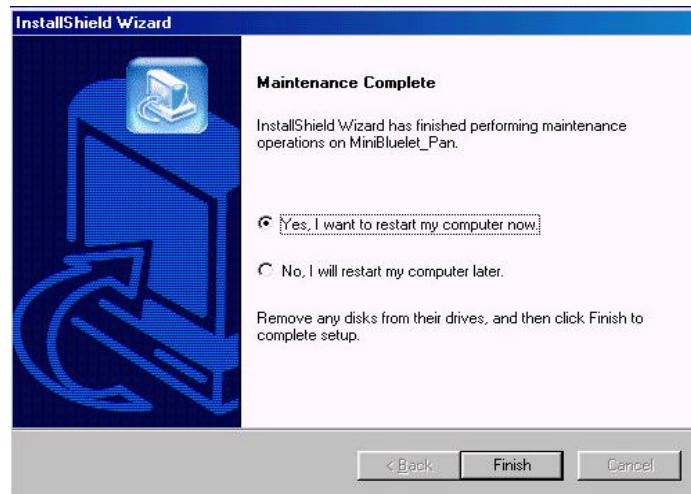


Figure 5-4: PAN Uninstallation Complete

5.1.2. PAN uninstallation troubleshooting

- If you encounter any errors during uninstallation process, exit PAN Uninstall Wizard, and try to run it again.

[EasyGate]

5.2. Uninstalling EasyGate

Exit EasyGate first, from the EasyGate Network icon in window task bar. Then run EasyGate uninstall program.

5.2.1. Run ' EasyGate Uninstall'

- Click on ' Start' -> ' Programs' -> ' MiniBluelet_Pan' -> ' EasyGate Uninstall' .



Figure 5-5: Uninstalling EasyGate

- Click ' Uninstall' button. Uninstallation does not require rebooting.

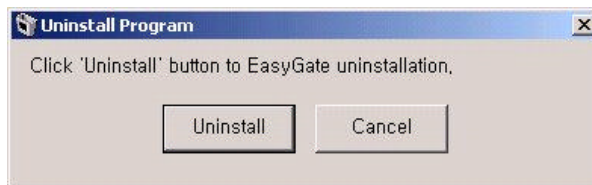


Figure 5-6: EasyGate Uninstall

6. Troubleshooting

Here are the general tips and troubleshooting to the most common problems you might encounter.

6.1. USB Adapter Initial Installation Error

If you plug in USB Adapter to an empty USB port after you have installed PAN, then Windows will automatically install its driver. But, if you see an error message saying "Cannot find Btusb.sys", click on 'Browse' to locate the file from

' C:\ Program Files\ IVT Corporation\ MiniBluelet\ Pan\ Driver\ USB\ BTusb.sys' .

Once USB is installed, Windows will be able to recognize it in next time.

6.2. BT Network Adapter First time Installation Error

While installing PAN, if you cannot find BT network adapter driver, then locate file from

' C:\ Program Files\ IVT Corporation\ MiniBluelet\ Pan\ Device\ win9x\ IVTnetBT_For98.inf' .

If you encounter BT network adapter related errors after rebooting your system, remove adapter and reinstall it. This kind of error will not occur in the second installation attempt.

6.3. Running PAN for the First Time

When you initially run PAN under Windows98SE / ME, it might take a few minutes for the system to allocate MAC address to BT network adapter, and an error might occur due to this delay. If an error occurs in the system, Exit PAN and reboot your computer. At this time, the system will store MAC address, and the same problem will not be repeated.

6.4. Internet Connection Problem with LAN Adapter

It might raise an Internet connection problem when a PC, which is running Windows98SE / ME with a LAN card but uses the Internet through USB adapter as a Client in wireless network, now wants to switch back to LAN card to use the Internet. This is because the system overwrites the default Gateway routing table with Bluetooth Adapter Gateway when you install USB adapter under Windows98SE / ME. (Note: you can verify this using ' route print' commend on MS-DOS prompt.)

This problem is due to the fact that Windows98SE / ME manages Route Table in static manner depending on the network settings. Whereas Windows2000 / XP does not encounter to this particular problem since it manages Route Table in dynamic manner depending on the network cards.

To resolve this problem, ' My Computer' -> ' Properties' -> ' Device Manager' Tab -> Network adapters -> Select ' BT Network Adapter' -> ' Properties' -> Check mark on ' Do not use this device (disable)'.

If you want to use BT network adapter again to be a client on a wireless network, disable the LAN

card in the same manner and enable BT Network Adapter.

6.5. ' Select User Mode' window prompt while running PAN

If ' Select User Mode' window prompts while running PAN, it might be the case where the system cannot recognize the USB adapter. Please verify if the USB adapter is properly plugged in.

If you are still encountering the same message, check ' Device Manager' from ' My Computer' and see if USB is properly installed. And if not, unplug the USB adapter from the USB port and plug in again so that system can install the USB adapter automatically.

6.6. PAN Troubleshooting

After you have established connection to BlueNetwork, if you cannot use the Internet, then open MS-DOS prompt and type ' ping www.yahoo.com'. If the result is ' destination is unreachable ' or ' Hardware error ', then reboot your computer and run PAN again.

6.7. Joining BlueNetwork Troubleshooting

When you join the BlueNetwork, you will see a message like [Figure 6-1] and then it will display ' IP address acquired' message as in [Figure 3-3].

If you only see a message like [Figure 6-1], without ' IP address acquired' message, then it means IP address was not successfully acquired. In this case, exit PAN and run PAN again, and then try to join again.



Figure 6-1: Device Connecting Message

6.8. Confirmation of hardware installation

Once you have installed PAN, hardware installation is done automatically (plug-and-play) by plugging the USB adapter into computer.

- [Windows98SE / ME] User: Check hardware installation of these three items.
Right click on ' My Computer' -> ' Properties' -> ' Device Manager' tab.
 - Network adapters : BT Network Adapter
 - Universal serial bus controllers : Bluetooth USB
 - BlueletMgrDevice : Bluelet Device Manager

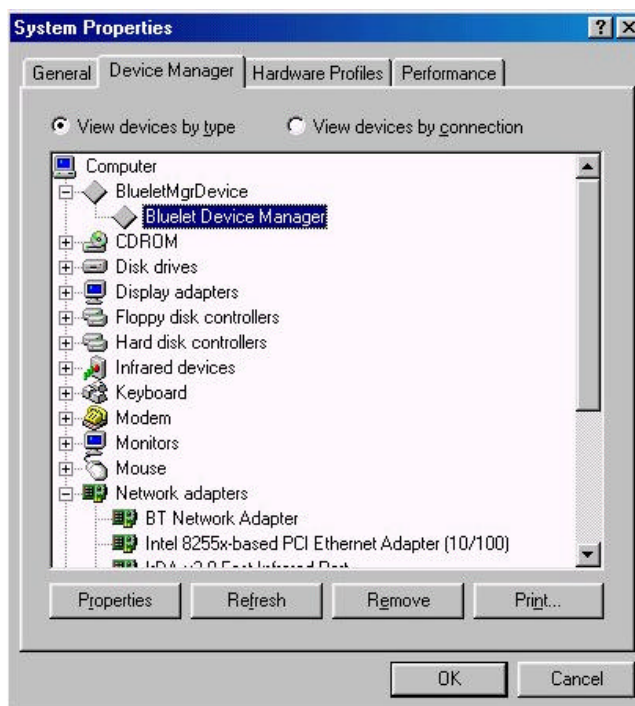


Figure 6-2: [Windows98SE / ME] Device Manager

BLUEBEE - Wireless Internet Sharing Wizard

- [Windows2000 / XP] User: Check hardware installation of these three items.
Right click on ' My Computer' -> ' Properties' -> ' Hardware' Tab -> ' Device Manager' .
 - Network adapters : BT Network Adapter
 - Universal serial bus controllers : Bluetooth USB
 - Bluelet device manager : Bluelet Device Manager

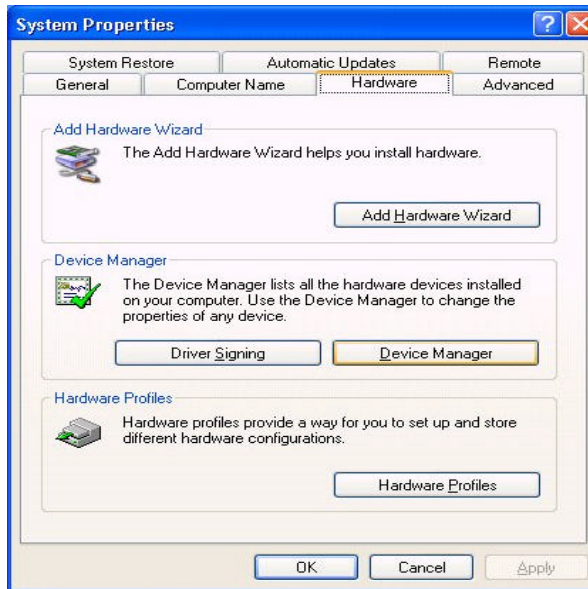


Figure 6-3: System Properties

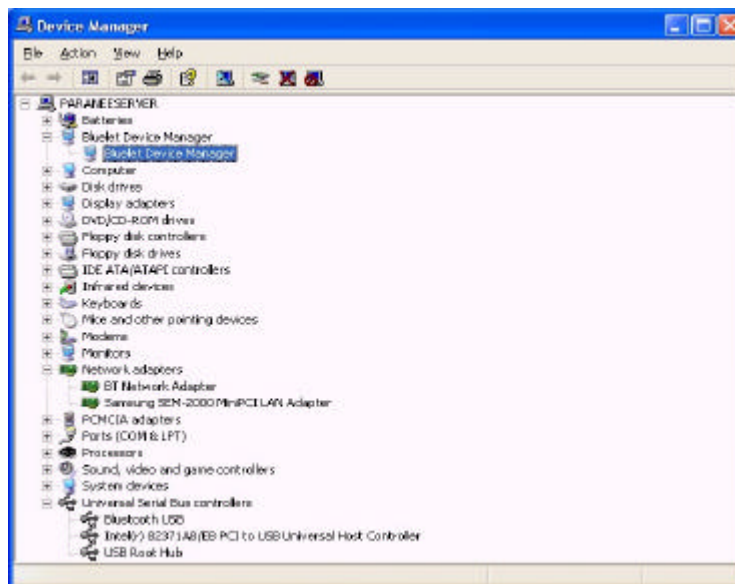


Figure 6-4: [Windows2000 / XP] Device Manager

6.9. Dial-Up Networking

- [Windows98SE / ME] User : ' Start' button -> ' Settings' -> click ' Dial-Up Networking' .
Or ' Start' button -> ' Programs' -> ' Accessories' -> ' Communication' -> ' Dial-Up Networking'
- [Windows2000 / XP] User : right click ' My Network Places' -> ' Properties' -> ' Make New

Connection'

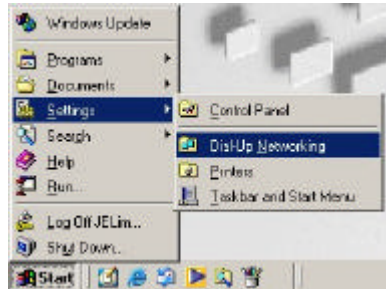


Figure 6-5: Dial-Up Networking

- Double click on ' Make New Connection'

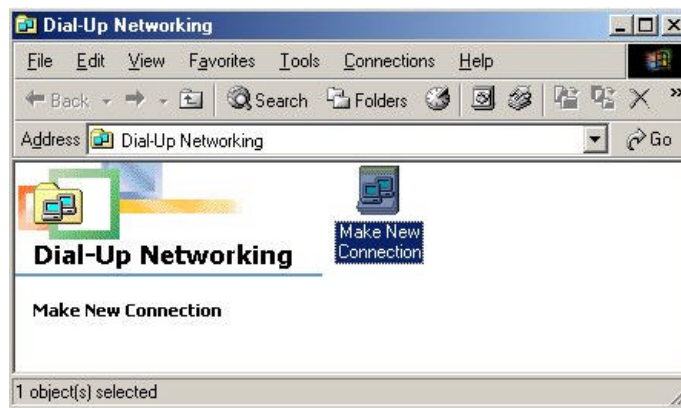


Figure 6-6: Make New Connection

- Type a name for the computer you are connecting to.
In this manual, we used ' My Connection' as a name.



Figure 6-7: Make New Connection

- Type the phone number of the Internet Service Provider, and click ' Next' .

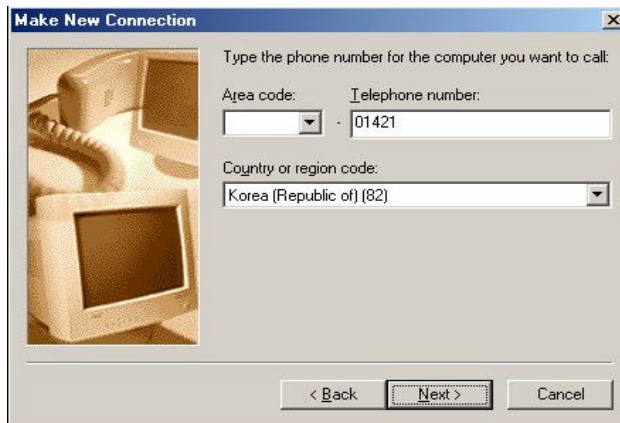


Figure 6-8: Enter ISP' s dial-up phone number

- You have completed creating a dial-up networking connection. Click ' Finish' button.



Figure 6-9: Finish creating a dial-up connection

- From ' Dial-Up Networking' window, you can find ' My Connection' icon has been generated. Double click on ' My Connection' icon.

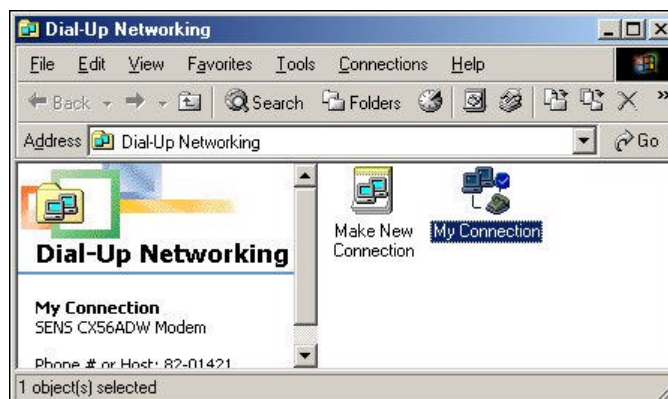


Figure 6-10: My Connection icon

- Enter ' User name' and ' Password' , then click ' Connection' button.

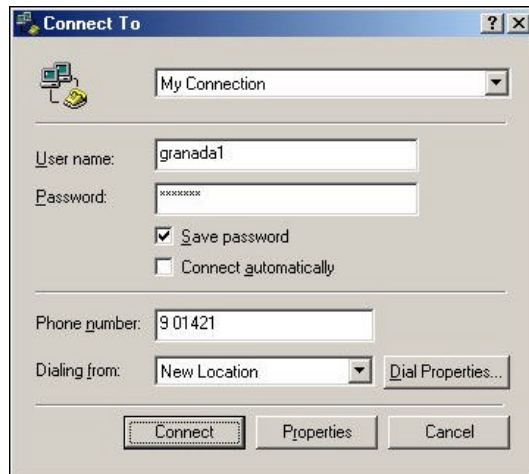


Figure 6-11: Connecting to ISP

- After you see ' Internet connection established' message pop up, you can surf the Internet using Internet browser such as Internet Explorer, Netscape.

* **Notice1** : The changes or modifications not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

* **IMPORTANT NOTE** : To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user' s authority to operate the device.

FCC INFORMATION

The Federal Communication Commission Radio Frequency Interference Statement includes the following paragraph:

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

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

The user should not modify or change this equipment without written approval Form J communications Co., Ltd. Modification could void authority to use this equipment.

Product Specifications

Key Features	
Bluetooth Specification	V 1.1 compliant / class1
USB Specification	V 1.1 compliant
Radio output power	1 to 10 dBm (100 m range)
Connection speed	1 Mbps across air
Internet Connection up to 7 clients without Access Point simultaneously	
Support O/S	Windows 98SE / ME / 2000 / XP
Internet connection sharing router - One click S/W	
Software and firmware are upgradable	
Specifications	
Operation frequency	2.402 ~ 2.4835 GHz (ISM band)
Tx power	10 dBm max with power control
Sensitivity	-80 dBm
Data rate	723.2 Kbps
Security	Paring / Digital Encryption / Authentication
DC power	5.0 V ± 10 %
Operation temperature	-10 ~ 55
Humidity	10 % ~ 90 %
Dimension	59 X 33 X 11 mm

Limited Product Warranty

We, JCommunications Co., Ltd, warrant this product against defects in materials and workmanship. If a defect is discovered, we will, at its option, repair or replace the product at no charge provided it is returned during the warranty period to the authorized dealer from whom you purchased the product, or directly to our company. Proof of purchase may be required.

If the product has been damaged by accident, abuse, misuse, or misapplication, a limited warranty will be applied with appropriate service charge on your cost.

We recommend you fill out the following Personal Reference Sheet, and keep it with the proof of purchase for future convenience.

Warranty Certificate

Thank you for choosing our product. The warranty period starts on the day you purchase our product. Therefore we recommend you to keep this certificate with the proof of purchase, and receive full coverage of warranty.

Warranty Details

1. Warranty period is 1 year from the day of purchase. (Only for defects in materials and workmanship.)
2. For the following cases, a limited warranty will be applied with appropriate service charge on your cost.
 - * Damaged by accident, misuse, or misapplication.
 - * Damaged by natural disaster.
 - * Damaged by using incorrect voltage source.
 - * Damaged by bad connection
3. We keep the parts of specific model for three years for replacing purpose.
 - This 3-year period start from the discontinuation date for each model.

Personal Reference Sheet

Customer Compensation Standard for this product follows the customer compensation regulation by the Ministry of Finance and Economy.

Product		Bluetooth USB Adapter BLUEBEE BA1000U
Serial Number		
Purchase Date		
Warranty Period		Until _____, _____ (Month Day, Year)
Customer	Name	
	Phone #	
	Address	
Dealer	Name	
	Phone #	
	Address	

We will keep providing updated version of the software for this product. You can download the newest version from our website at <http://www.bluebee.co.kr>.

If you have any comments or questions about our product, you can email us at bluebee@bluebee.co.kr Once again we thank you for choosing our product, and hope you enjoy the wireless Internet sharing.