

PHONE i 1000 / 2000

Installation Manual

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About This Manual

This section discusses the intended audience, scope and legal notice for the Phone i Installation Manual.

Phone i Installation Manual is shipped with your product. To order additional copies of this document, contact your local sales representative, call customer service.

Audience and Scope

This manual is for users who have some experience installing and maintaining hardware and software. We assume that Phone i users are familiar with the terminology, concepts and Windows applications although we try to create instructions that are accurate and can easily be understood throughout the installation as well as for maintenance.

This manual describes the functionalities and physical features of the Phone i and provides installation procedures, troubleshooting information and technical specifications

Phone i Overview

This section introduces the Phone i system and covers the following topics:

- Front-Panel LEDs
- Rear-Panel Ports
- System Specifications
- System Requirements
- Unpacking the Phone i

Front-Panel & Rear-Panel

Figure 1-1 Front-Panel LEDs



Table 1-1 Front-Panel LEDs

LED Label	Color	Description
MSG1,2	Orange	Blinking indicates the Phone i is on and connected
MSG3	Green	Blinking indicates the Phone i is on and connected
PWR	Red	On – Power is supplied to the Phone i

Figure 1-2 Rear-Panel Ports



Table 1-2 Rear-Panel Connectors

Ports	Label	Description
Phone	Phone	Connects the Phone i to a standard phone through this port
IP Port	IP	Connects the Phone i to the serial port of the computer
Power Port	DC 9V	Connects the power cable

System Specifications

This section describes the Phone i system specifications, which are listed in Table 1-3

Table 1-3 System Specifications

Item	Description
Port	1 FXS Port
Speech Compression	ITU-T G.723.1 (5.3 / 6.3 kbps)
Echo Cancellation	G.168 (Automatic)
COM Port	Interface: one RS-232 port Connector: RJ-45 Speed: 115.2 kbps
Bandwidth Consumption per Channel	6 kbps up to 10 kbps
Status Indicator	1 Power LED 3 System LEDs

System Requirements

This section describes the system requirements for the Phone i, which are listed in Table 1-4

Table 1-4 System Requirements

Item	Detail	Description
Hardware	CPU	Pentium MMX(166) or higher
	RAM	32 MB Memory or higher
	Drive	CD ROM and 3.5" drive ready
Operating System		Windows 95 / 98 / ME / NT 4.0 / 2000 professional

Unpacking the Phone i

Figure 1-3 shows the items that come with your Phone i. All of items are in the accessory kit that is inside the box. If you find any part missing, please contact your local sales representative or call customer service.

Figure 1-3 **Phone i box contents**



1. Phone i



2. Serial Cable

3. Phone i Software CD

Installing the Phone i

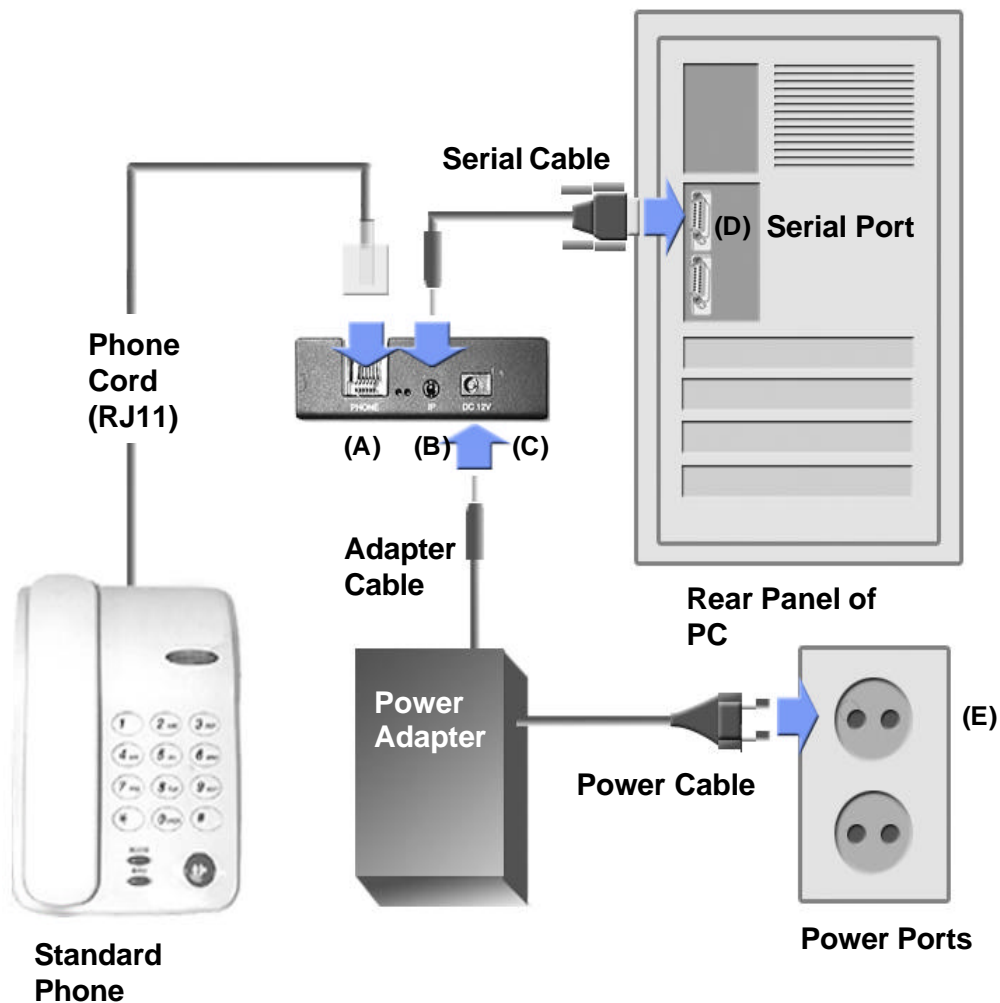
This section of installation procedures for the Phone i includes the following topics:

- Connecting the Phone i to your computer
- Phone i software Installation
- How to open / close the Phone i program

Phone i Hardware Installation

Figure 2-1 shows how to connect Phone i to your phone and computer. Please follow the instruction steps to complete the hardware installation.

Figure 2-1 Phone i Hardware Installation



1. Connect the Phone Cord(RJ11) from your phone to (A) of Phone i rear panel
2. Connect the Serial Cable to (B) of Phone i rear panel and (D) Serial Port of your computer
3. Connect the Power Cable to (C) of Phone i rear panel and to a power port

Phone i Software Installation

This section describes how to install Phone i software into your computer. Please follow the instruction steps to complete the hardware installation.

1. Run the Phone i Installation CD from your CDROM drive.
2. Open the folder 'Phone i' and double click 'Phone i.exe'
3. The window of InstallShield wizard will appear (Figure 2-2)
4. Click 'Next' to start installation
5. Wait while the InstallShield Wizard finishes installation of the Phone i (Figure 2-3)

Figure 2-2 Phone i InstallShield Wizard

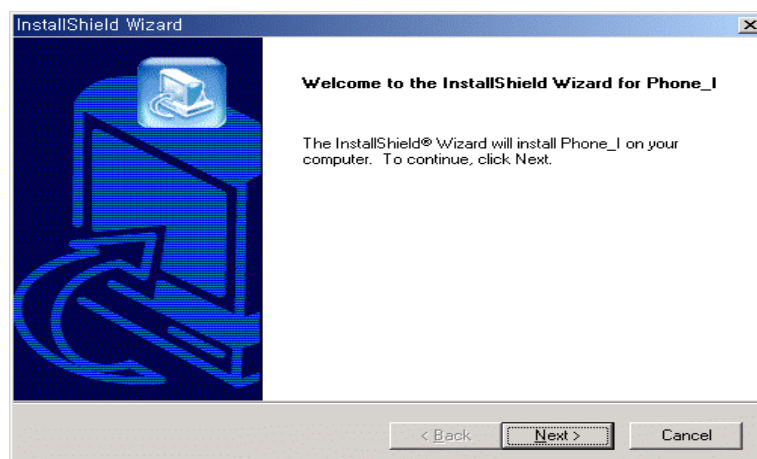
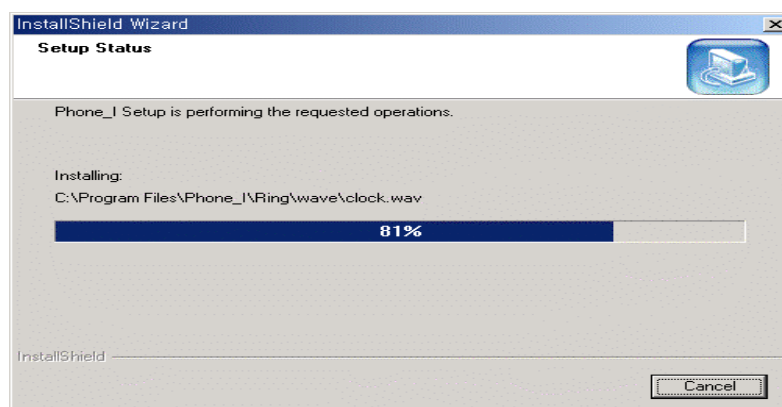


Figure 2-3 Phone i InstallShield Wizard



Phone i Software Installation ... continued

6. Click 'Finish' when the installation is completed (Figure 2-4)
7. The icon of Phone i will appear on your desktop (Figure 2-5)

Figure 2-4 Phone i InstallShield Wizard

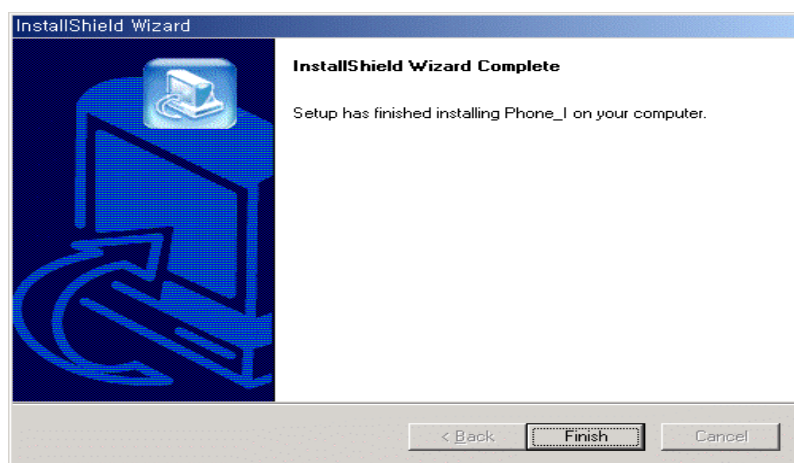


Figure 2-5 Phone i InstallShield Wizard



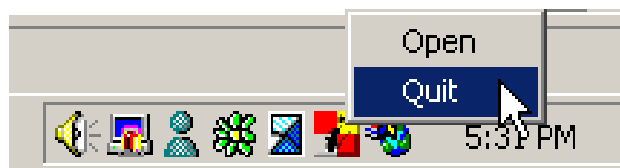
Phone_i

How to open and close Phone i program

1. To open the Phone i program, double-click the icon on your desktop (Figure 2-5)
2. Once you logged in, the icon of Phone i will appear on your system tray (See also Figure 3-2 of next section)
3. To close the Phone i program, click the 'X' button on the top right side of the window

* You can also open or close the Phone i program by right-button clicking on the icon on your system tray and select the appropriate option 'Open' or 'Quit'. (Figure 2-6)

Figure 2-6 To open or close the Phone i program



Using the Phone i

This section of Using the Phone i includes the following topics:

- Login
- Making Calls
- Receiving Calls
- Main Screen – Call / Receive Window
- Guild Check
- Quick Dial
- Phone book
- Latest Number
- Record

Log In

1. Double click the icon of Phone i
2. The login window will appear (Figure 3-1)
3. Input your ID and choose your service provider from the list in the right box
4. Input password
5. Save: checked - When the program starts, your ID and password will be shown
6. Auto: checked - The program will automatically log in with your ID and password
7. Once you logged in, the icon of Phone i will appear on your system tray (Figure 3-2)
8. Now, you are ready to use the Phone i

Figure 3-1 Phone i Login

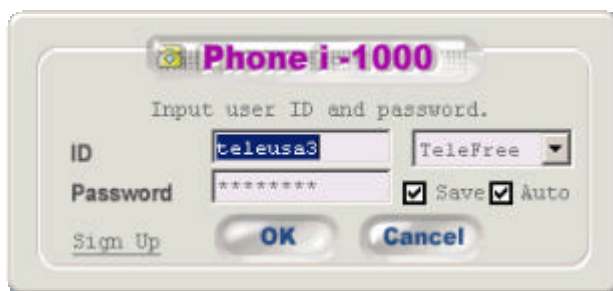


Figure 3-2 Phone i System tray icon



Log Out

1. To log out, click the 'LOGOUT' button
2. Once you logged out, the 'LOGOUT' button will become 'LOGIN' button
3. You can log in again by clicking the 'LOGIN' button

Making calls

There are many ways to make phone calls with Phone i

1. To standard phone
 - Using your phone that is connected to the Phone i
 - Using the dial pad of the Phone i program on your screen
 - Using the keyboard of your computer
2. Phone i To Phone i
 - Using ID (Phone i to Phone i)
 - Using IP Address (Phone i to Phone i)

❖ Make a phone call to a standard phone

1. Domestic

1 + Area Code + XXX + XXXX + *

2. International

011 + Country Code + Area Code + XXX + XXXX + *

* When using the Phone i program, hit 'Enter' or click the 'Call' button instead.

❖ Phone i to Phone i

1. Using ID

Type the recipient's ID* on the screen of Phone i program and click 'Enter' or 'Call' button

ex) Candice + Enter or Call

* ID is case sensitive

2. Using IP Address

Type the recipient's IP Address on the screen of Phone i program and click 'Enter' or 'Call' button

ex) 65.119.31.100 + Enter or Call

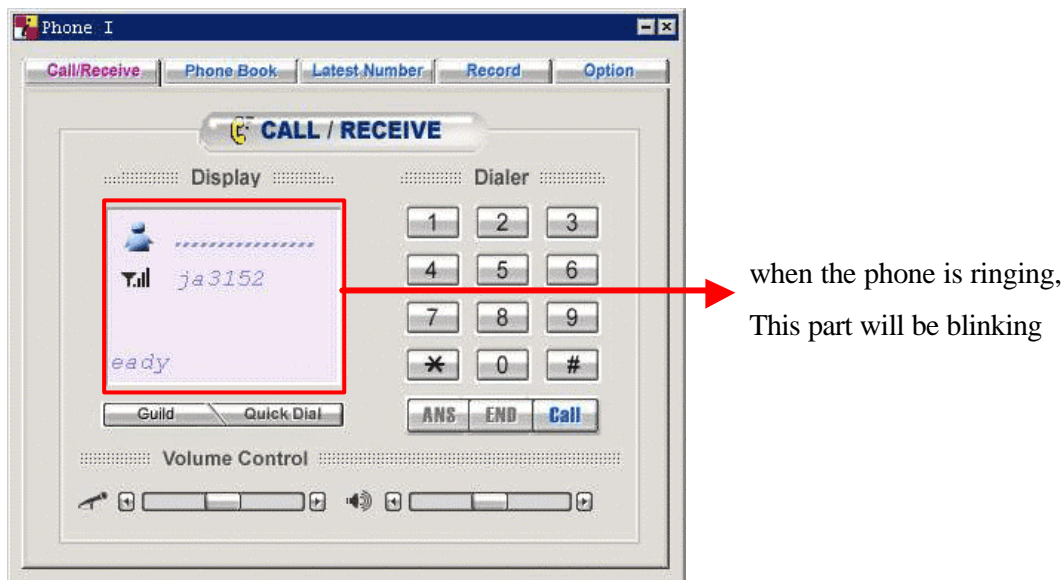
* Applicable only when the recipient is using static IP

Receiving calls

When receiving a call through Phone i, you can simply pick up the phone and talk. You can also click 'ANS' button on the Phone i program.

1. The phone rings
2. The Phone i program will pop up and show caller's ID information (Figure 3-3)

Figure 3-3 **Ringing**



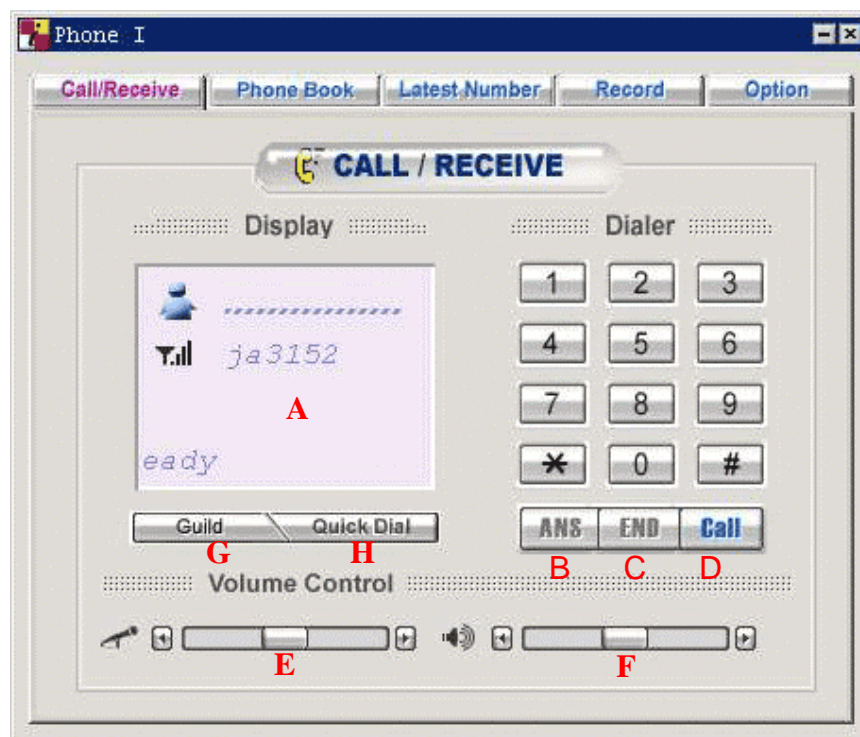
Disconnecting a call

To disconnect, you can hang up the phone or click 'END' button of the Phone i program.

Call / Receive Screen

Call/Receive screen is the main window of Phone i program. It displays call information and messages, enables volume controls and provides buttons with various functions.

Figure 3-4 Call / Receive



A: Display screen – caller ID, messages, etc.

B: Answer button

C: End button to disconnect calls

D: Call button

E: Microphone volume control

F: Speaker volume control

G: See 'Guild Check' (Figure 3-5)

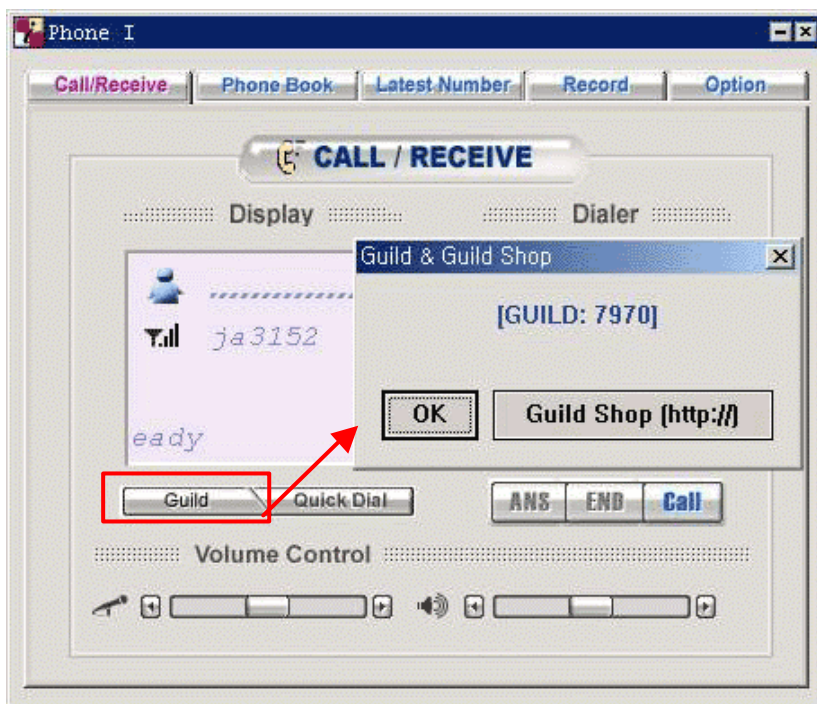
H: See 'Quick Dial' (Figure 3-6)

Guild Check

You can check how much guilds* left in your account by clicking the 'Guild' button (Figure 3-5). Click the 'Guild Shop' button to purchase more guilds.

*Prepaid cyber money to make calls using the Phone i. You can purchase Guilds at <http://www.telefree.co.kr> or <http://www.telefree.com>

Figure 3-5 Guild Check

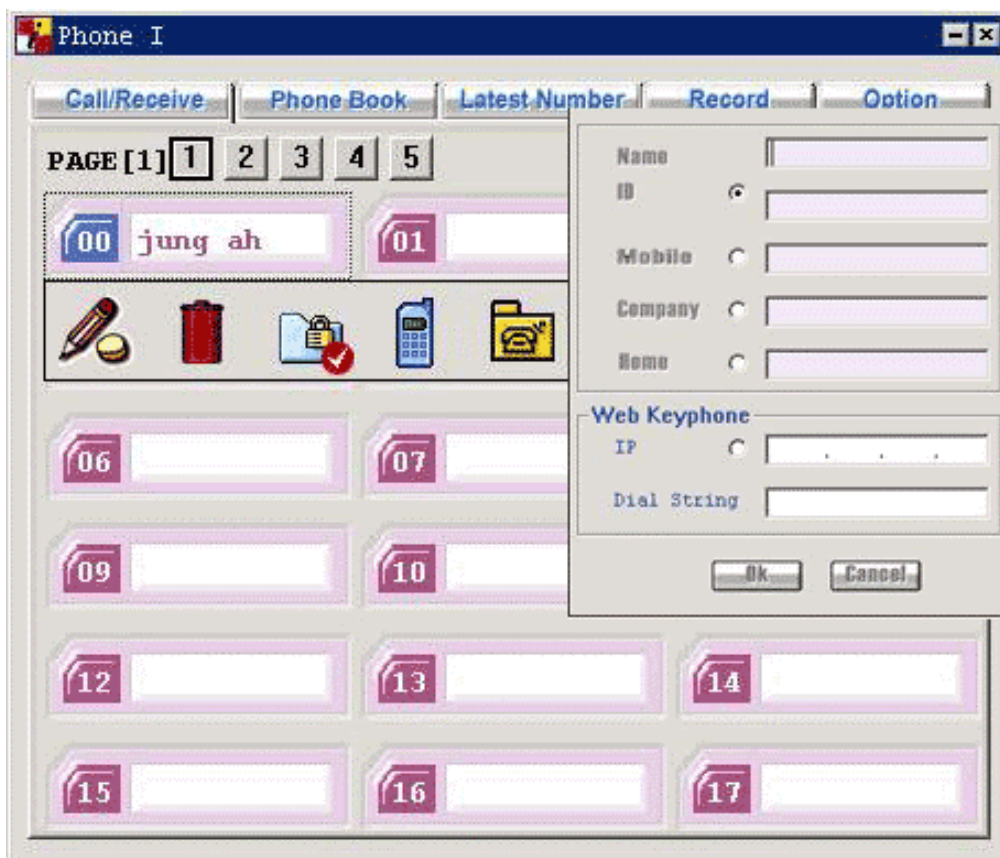


Quick Dial

Quick dial makes it easy for you to call numbers that you use frequently. To assign a quick dial number, click the 'Quick Dial' button (Figure 3-4). After you add a contact person to one of the quick dial numbers displayed on the screen, you can choose any one phone number or ID or Web Keyphone*.

*You can assign a quick dial number to a person who uses Telefree's Web Keyphone. For more information about the Web Keyphone, go to <http://www.telefree.com> or <http://www.telefree.co.kr>

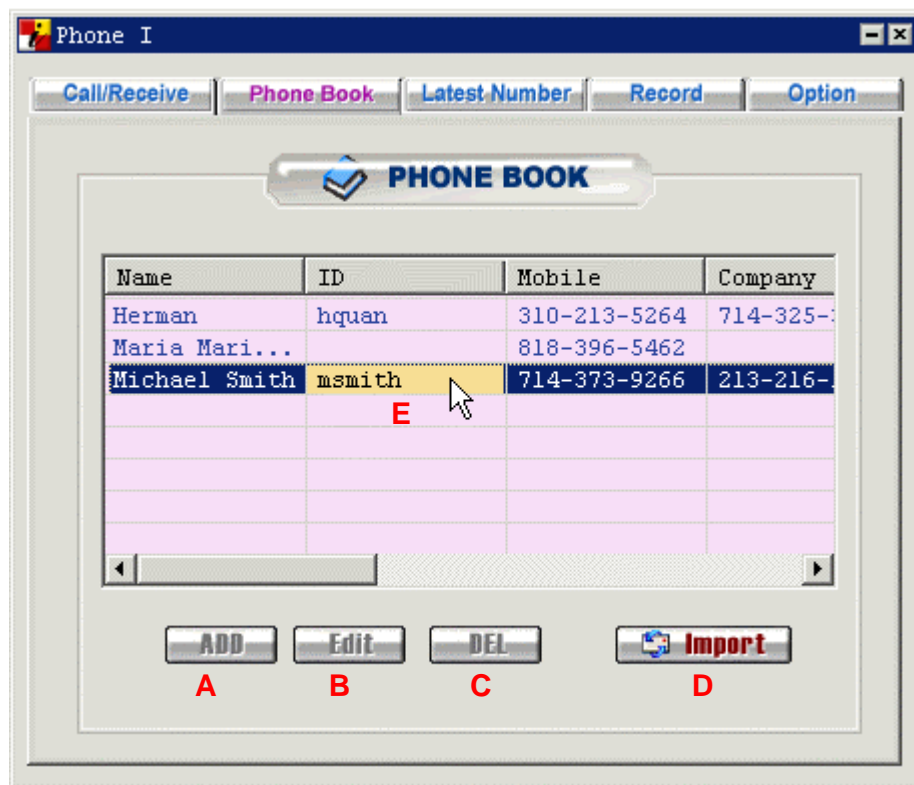
Figure 3-6 Quick Dial



Phone Book

Phone Book provides convenience to the Phone i users. Users can save/edit/delete information of friends, family and business customers.

Figure 3-7 Phone Book



A: Add a new contact (See also Figure 3-8)

B: Edit details of a selected contact (See also Figure 3-8)

C: Delete the selected contact

D: Import contact(s) from Microsoft Outlook Express automatically

E: One-click Call function

you can make a call by simply double-clicking the ID or phone number

Phone Book . . . continued

Figure 3-8 shows how to manage your contact information. When you click the 'Add' or 'Edit' button, the phone book window will pop up and allow you to add or edit your contact details.

Figure 3-8 Phone Book – Add / Edit information

The screenshot shows a window titled 'Add' with a close button. Below the title bar is a header with a book icon and the text 'PHONE BOOK'. The form contains the following fields:

- F** Name: Michael Smith
- G** ID: msmith
- H** Mobile: 714-373-9266
- I** Company: 213-216-1234
- J** Home:
- K** Email Address:
- L** Webkey Phone:
- M** IP: 65 . 119 . 31 . 134
- Dial String:

At the bottom are 'Ok' and 'Cancel' buttons.

F: Name of the contact

G: ID of the contact

H~K: Contact information details

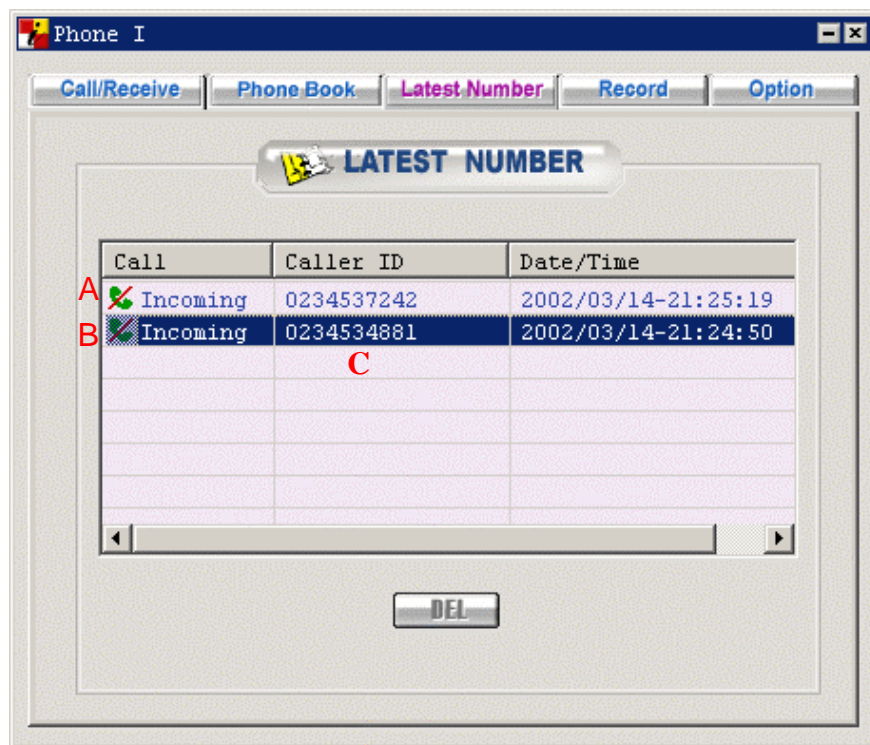
L: IP Address of the Web Keyphone*

M: Phone number assigned by the Web Keyphone

Latest Number

Latest Number shows information of calls that you have made or received. It provides Caller ID information (Caller's phone number or ID or IP address), Date & Time of calls as well as Call Back function by double-clicking the phone number.

Figure 3-9 Latest Number



A: Indicates Incoming calls

B: Indicates Outgoing calls

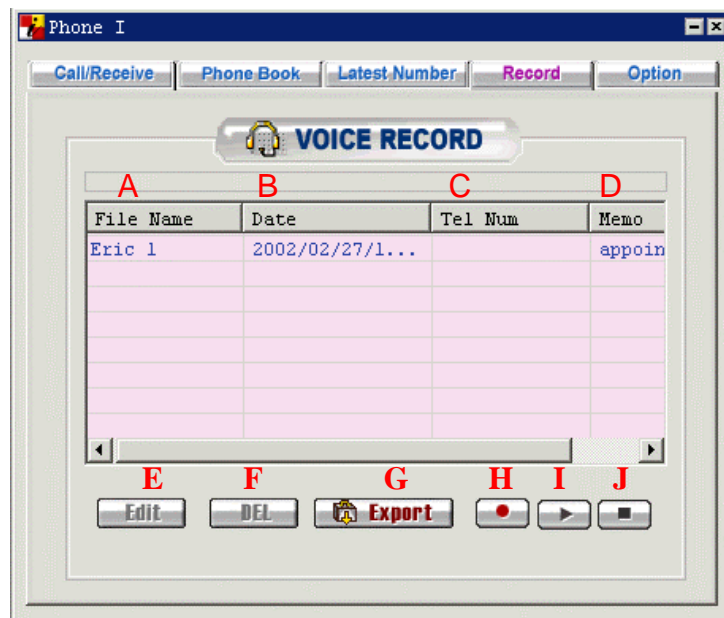
C: One-click Call function

you can make a call by simply double-clicking the Caller ID

Record

Record your conversations. Recorded voice files can be used as a effective personal scheduling tool, evidence for important contracts, etc. You can also record your own voice using a microphone and export it to use as your personal greeting.

Figure 3-10 Record



A: Name of the recorded file (editable)

B: Date & Time of the recorded call

C: Phone number of the contact (editable)

D: Notes for the call (editable)

E: Edit file name, phone number and memo

F: Delete the selected file

G: Export the selected file to use as voice greeting

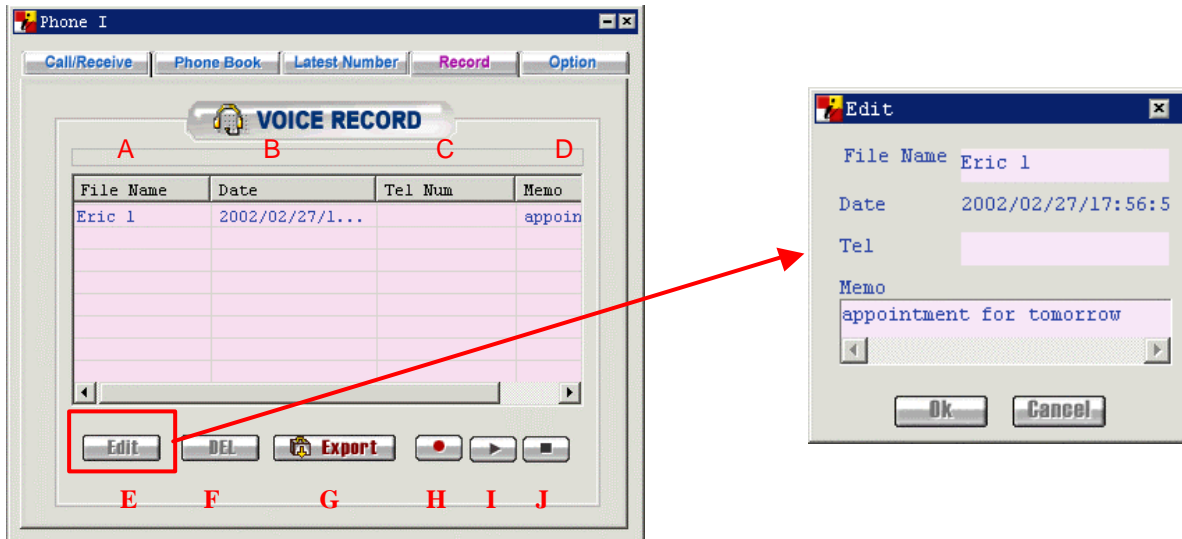
H: Record button

I : Play button

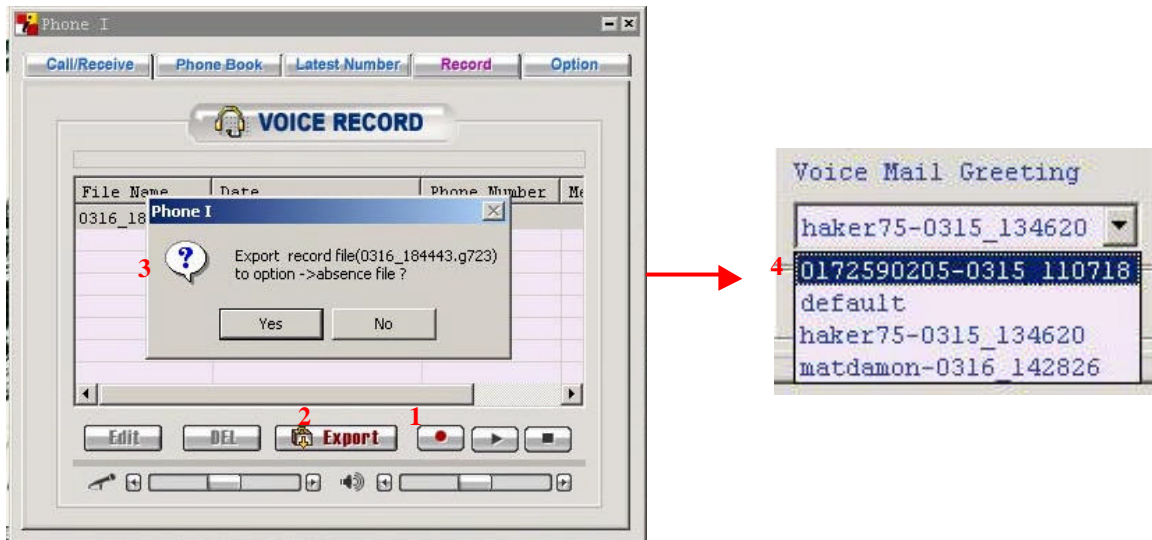
J: Stop button

Record . . . continued

- If you click the Edit Button, you can edit the description of the file which your contact recorded, that is file name, phone number and/or memo



- If you click the Export Button, you can replace the file of voice greeting with yours



1. Click the red button, and record your comment
2. Select the recorded file, and click the Export button in order to export it
3. If you want to export it, click the Yes button
4. At the Option, please select your file in Voice Mail Greeting

Option - Settings and Preferences

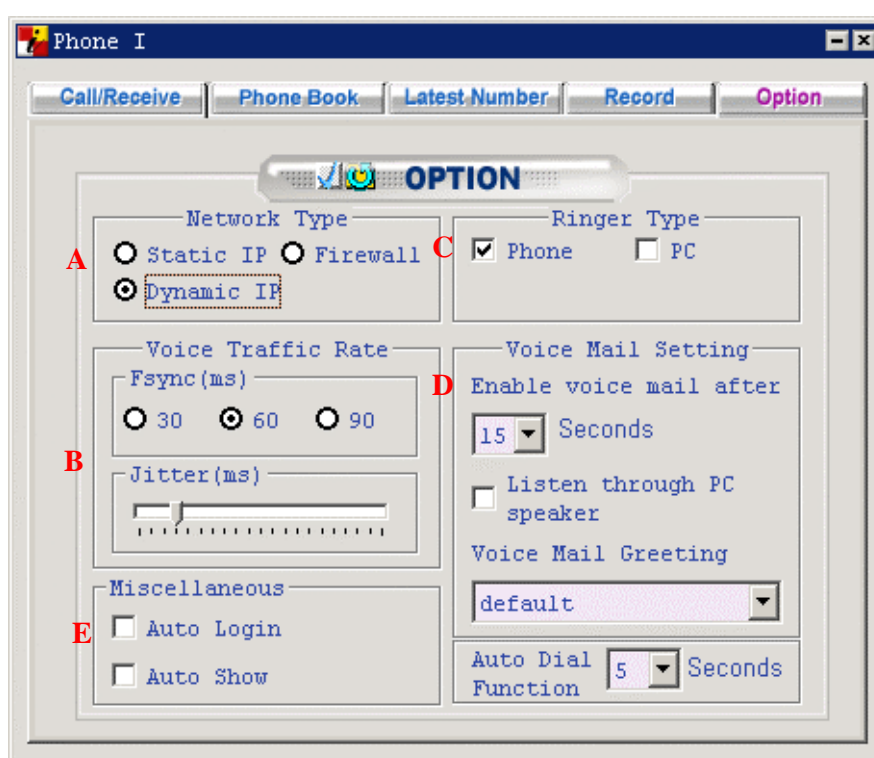
This section of Option Settings and Preferences for the Phone i includes the following topics:

- Network Type
- Voice Traffic Rate Setting
- Ring Type
- Absence Setting
- Miscellaneous Settings

Option - Settings and Preferences

Option window enables users to change the setting of the Phone i. Available options are Network Type, Voice Traffic Rate, Ring type, Status setting and other miscellaneous settings. You can easily choose the option and change it for a convenient use.

Figure 4-1 Option



A: Network Type setting

B: Voice Traffic Rate - controls voice quality

C: Ring type setting - PC and Phone

D: Voice Mail Setting – set status mode and voice greeting

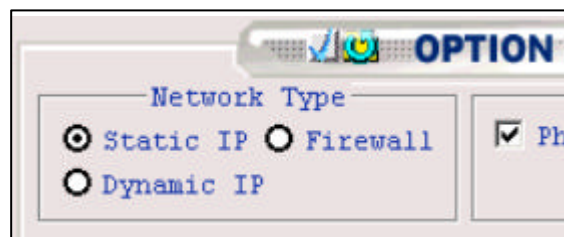
E: Miscellaneous- miscellaneous setting

Network Type

This shows the type of network that your computer is in. It is strongly recommended that you keep the default setting when first installed. The Phone i might not work properly if you choose a wrong network type.

1. **Static IP:** your computer has a fixed IP address
2. **Dynamic IP:** your computer has a dynamic IP address (ex. Cable modem, xDSL, Dialup modem)
3. **Firewall*:** your computer is protected with a firewall program.

Figure 4-2 Network Type



* A method for keeping a network secure from intruders. Firewalls are widely used to give users secure access to the Internet as well as to separate a company's public Web server from its internal network. Firewalls are also used to keep internal network segments secure; for example, the accounting network might be vulnerable to infiltration from foreign entities.

Voice Traffic Rate

You can control voice quality of the Phone i. It is recommended that you keep the default setting for the best quality. Changing the default setting might cause some delay.

1. **Fsync* (ms):** 30 / 60 / 90

Default : 60 (recommended)

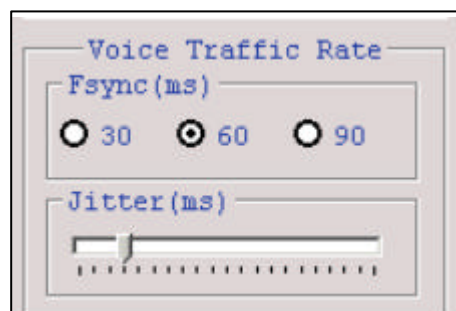
Choose a higher number for better voice quality. However, you might experience some delay

2. **Jitter** (ms):** 0ms ~ 90ms

Default : 90ms (recommended)

Choose a higher number for better voice quality. However, you might experience some delay

Figure 4-3 Voice Traffic Rate



* Frequency Synchronization

** A flicker or fluctuation in a transmission signal. The term is used in several ways, but it always refers to some offset of time and space from the norm. For example, in a network transmission, jitter would be a bit arriving either ahead or behind a standard clock cycle or, more generally, the variable arrival of packets.

Absence Setting

Absence option allows the callers to leave a message when you are not available. The Phone i will send a voice greeting after designated period (ring time). You can also use your personal greeting by using a record function (See Record: Figure 3-10).

1. **Ring Time (sec)** : Set a ring time that will send a voice prompt to enable a voice mail function

Default : 5 sec

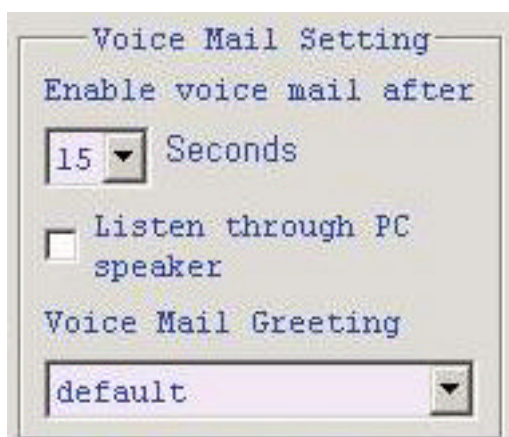
2. **Record file >> speaker** : To listen to voice mail through your speaker, select the check box of this option.

3. **Absence File Name** : Choose a voice prompt from the list box

Default : default

Personal greeting: You can choose a personal greeting from the file you have recorded and exported from the 'Record' window (See Record: Figure 3-10). You can also delete a unwanted file from the list by using the 'Delete' button on the right side.

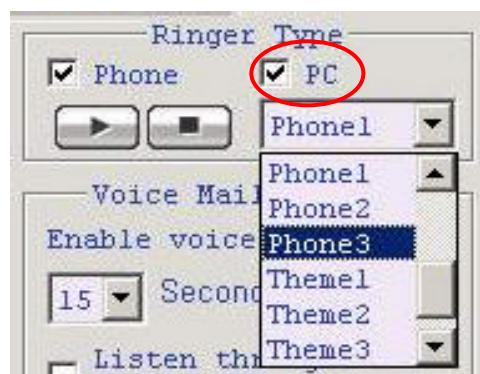
Figure 4-4 Absence Setting



Ring Type

You can choose the ring type from the given sound files installed in your computer. Default setting is a ring from your phone. If you wish to hear the ring from your computer, simply click the check box next to 'PC' and buttons will appear (Figure 4-5). You can listen to each sound file to choose a ring type you like.

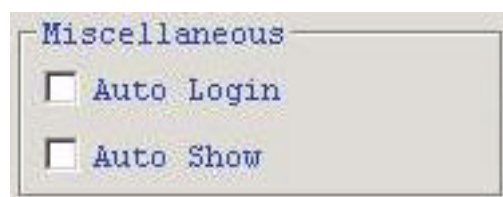
Figure 4-5 Ring Type



Miscellaneous Settings

1. **Auto Login:** Select the check box to enable automatic login
Default : unchecked
2. **Auto Show:** Select the check box to show the Phone i program automatically when you pick up your phone.
2. **IDT Time (sec) :** Off / 4 – 10
Off (default) : You should press '*' after the phone number you wish to call
4 – 10 sec : The call will be automatically connected after ()seconds you choose

Figure 4-6 Miscellaneous Settings



Troubleshooting

This section describes how to troubleshoot the problems you may encounter while using the Phone i hardware and software. Please follow the instructions to solve the problems before contacting your local sales representative or customer service.

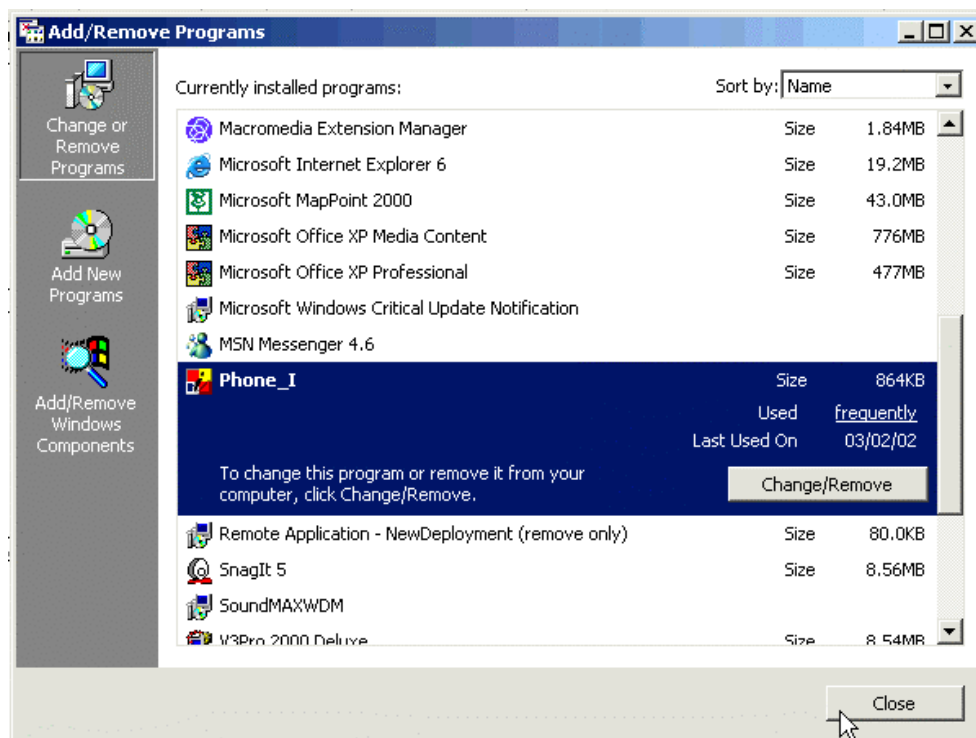
This section of troubleshooting for the Phone i includes the following topics:

- Trouble with Software Installation
- Trouble with Using the Phone i Program
- Trouble with Opening the Phone i Program
- Trouble with Using the Phone i Hardware

Trouble with Software Installation

1. Check the operating system of your computer (See System Requirements section).
 - To check your operating system, right-click the 'My Computer' icon on your desktop, select 'Properties' and view the 'System' section
 - Phone i software can not be installed under Linux, Unix, Windows XP and Mac
2. Check if the Phone i is already installed
 - Go to Start → Settings → Control Panel → Add-Remove Programs. If you see the Phone i program, it is already installed in your computer. (Figure 5-1)

Figure 5-1 Add/Remove Programs



Trouble with Using the Phone i Program

If your Phone i is not working properly, please make sure that your computer and phone are working properly before you try troubleshooting. If the problem still exists, please follow the instructions below.

- ❖ Make sure your computer is on (both the system and monitor)
- ❖ Check if the Phone i is properly connected to your computer
 - Power cable
 - Serial cable from the 'IP port' of Phone i to the Serial Port of your computer
 - Phone line from the 'Phone port' of Phone i to your phone
- ❖ Check your Internet access
 1. Make sure the LAN cable is connected properly to your computer
 2. Make sure that you are connected to the Internet properly

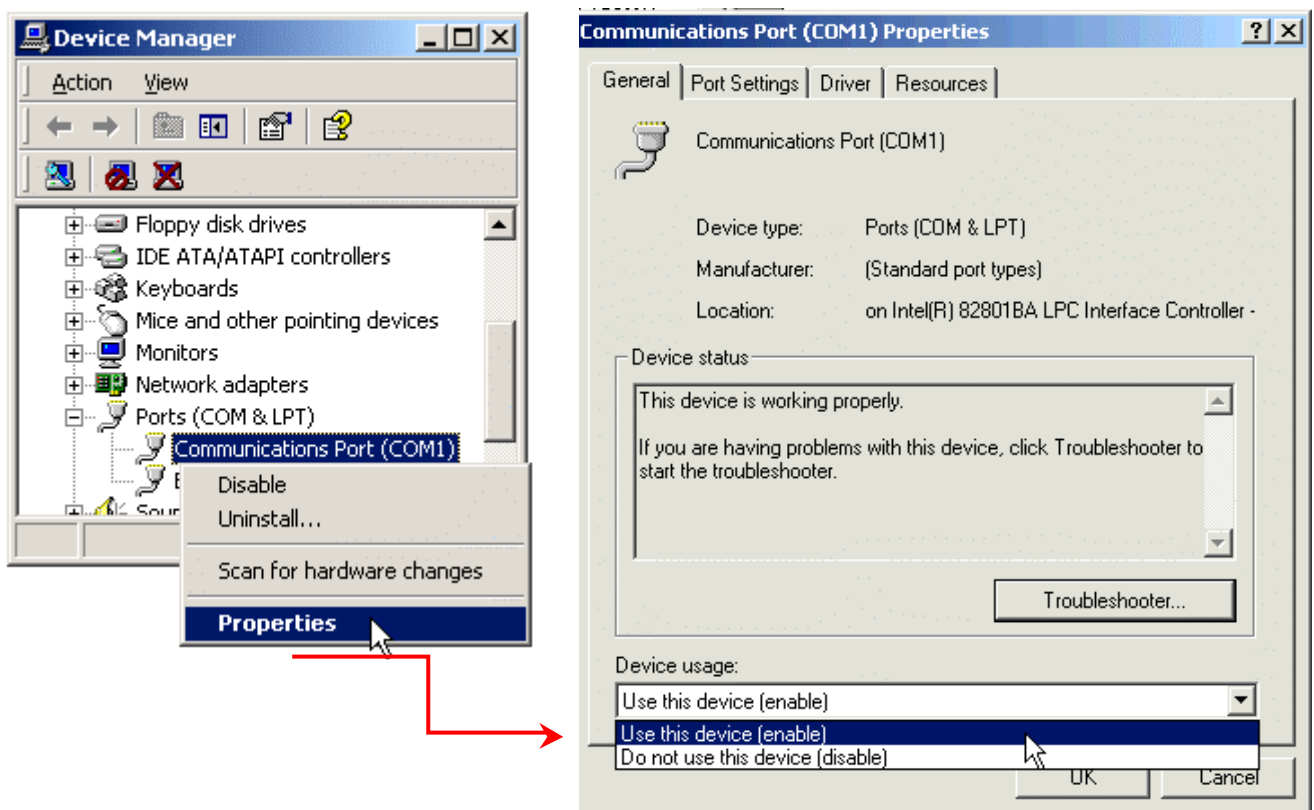
Trouble with Opening the Phone i Program

We recommend that you keep the Phone i hardware connected to your computer. However, when you disconnect the Phone i hardware from your computer and try reconnect it, you might experience trouble with opening the program. In this case, close the Phone i program and restart it. If the problem still exists, try reboot your computer.

Trouble with Using the Phone i Hardware

- ❖ Check the COM Port is properly installed in your computer (Figure 5-2)
 - Go to Start → Settings → Control Panel → System → Hardware → Device Manager
 - Click the '+' sign next to the 'Ports' from the list of devices.
 - Open the 'Communication Port (COM1)' and check if the system is working properly.
 - If it is disabled, enable the COM Port.
 - When you see any error, click the 'Troubleshooter' button to solve the problem.
-
- ❖ If the problem still exists after performing all of the above, try reboot your computer

Figure 5-2 COM Port check



FCC Information

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

CAUTION : Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.