

PC - EPhone

USER'S MANUAL



CYBERBANK

2001. 2.

COPYRIGHT

Please be sure to read the following before using your PC-EPhone.

The information contained in this user's manual is subject to change without notice for product performance enhancement.

Cyberbank Co., Ltd. shall not be liable for any technical or editorial errors or omissions contained herein, nor for incidental or consequential damages in connection with the furnishing, performance, or use of this manual or the examples herein.

This document contains information protected by copyright.

No part of this document may be photocopied, reproduced, adapted, or translated in any form without the prior written consent of Cyberbank Co., Ltd.

The programs that are used in PC-EPhone are copyrighted and all rights are reserved. Reproduction, adaptation, or translation of those programs without prior written permission of Cyberbank Co., Ltd. is also prohibited.

Microsoft, MS, ActiveSync, Active Desktop, Outlook, Windows, and Windows NT are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Microsoft products are licensed to OEMs by Microsoft Licensing, Inc., a wholly owned subsidiary of Microsoft Corporation.

The software in this document is offered through program license contracts or contracts not open to the public. Software may only be used or copied according to the articles in the above contract. All product names mentioned herein trade names or registered trademarks of their respective owners.

CYBERBANK CORP.

18th Floor, Mirae Bldg., 1306-6
Seocho-dong, Seocho-gu, Seoul, Korea

February 2001

TABLE OF CONTENTS

Chapter 1 About PC-EPhone

Product Components	3
Using the Manual	4
Conventions	6
Programs Installed in PC-EPhone	7
Finding Information (PC-EPhone related information)	10
FCC RF Exposure Information	11

Chapter 2 Getting Started

Product Hardware Features	2
Using your PC-EPhone for the first time	12
Turning your PC-EPhone ON/OFF	13
Using Hardware Buttons	13
How to Input Data	14

Chapter 3 PC-EPhone Customizing and Maintenance

Setting PC-EPhone Preferences	2
Managing Battery Power	12
Managing and Applying Memory	17
Resetting Systems	19

Chapter 4 Connecting to a Desktop PC

Installing ActiveSync on your Desktop PC	2
Establishing Partnership	8
Connecting your desktop PC with PC-EPhone	11
How to Synchronize data between your desktop PC and PC-EPhone ...	15
How to copy files between your desktop PC and PC-EPhone	18
How to Backup/Restore PC-EPhone Data	19
Installing/Uninstalling Programs using ActiveSync	20

Chapter 5	Backing up and Restoring Data	
	Backing up and Restoring using ActiveSync	2
	Full Backup and Restoring to a CF Memory Card	5
	Backing up and Restoring by File	12
Chapter 6	Internet Connection and Use	
	Connecting to the Internet using a LAN Card	2
	Connecting to the Internet using a Modem	4
	PC-EPhone Web Browser	7
	E-Mail	13
Chapter 7	Applications	
	Contacts	2
	Calendar	8
	Tasks	17
	Memo	24
	Calculator	27
	Recorder	30
	Microsoft Pocket Word	34
Chapter 8	Accessories	
	CYBERBANK Accessories	2
	CF (CompactFlash) Memory Card	3
Chapter 9	Tips & Troubleshooting	
	Maintaining your PC-EPhone in its Best Condition	2
	Reset your PC-EPhone	3
	Backup and Restore Data	5
	Troubleshoot basic problems with PC-EPhone	6
	Tips for better using PC-EPhone	9
	Travel Safety of PC-EPhone	11

Chapter 10 Support and Service

Web Sites.....	1
Service Center	1
Purchasing Accessories	2

Appendix

- A. Using the Character Recognizer
- B. Hardware Specifications
- C. Glossary
- D. Warranty

CHAPTER 1

ABOUT PC-EPHONE

Congratulations on purchasing the PC-EPhone, a Palm-Size PC that is a combination of high technology from the areas of Mobile Computing and Wireless Communication. PC-EPhone is a mobile device powered by Microsoft Windows CE OS. The size and capabilities of the PC-EPhone let you keep your most important business and personal information current and close at hand.

Through the self-developed personal information management programs, PC-EPhone enables you to check E-mail and manage your appointments and contacts in situations where your desktop PC is unavailable. This is made possible through a process of downloading the data stored on your desktop PC to your PC-EPhone by synchronization, and then updating the information you have acquired on the road back to your desktop PC through yet another synchronization. PC-EPhone offers you the highest quality in performance and battery life as well as a variety of programs and utilities planned and designed by CYBERBANK.

In order to stand out from other products in the world, PC-EPhone has installed mobile phone modules (including CDMA, AMPS) in the Personal Data Assistant(PDA) for voice calls and wireless Internet communications, anywhere and anyplace.

In addition, by supporting VGA-level resolution (640x480, 200dpi), PC-EPhone offers you direct wireless access without having to adjust sizes of Web Sites or Information System user screens much. Also, in contrast to the existing PDA which needed separate cables, mobile phones, or wireless modems for data communication, PC-EPhone fully supports voice calls, wireless data communication, and wireless Internet all in one device.

Although PC-EPhone has many features illustrated above, you will have no problems if you are familiar with Microsoft Windows series.

In this chapter, you will find information on:

▶ **Product Components**

Introduces PC-EPhone components.

▶ **Using the Manual**

Describes how to use this manual and gives an overview of the contents in each chapter.

▶ **Conventions**

Describes Notice, Reference, Warning.

▶ **Programs installed in PC-EPhone**

Introduces the applications built in PC-EPhone.

▶ **Finding Information**

Introduces web sites providing information related to Windows CE and PC-EPhone.

▶ **FCC RF Exposure Information**

I. Product Components

After purchasing your PC-EPhone, check to see if all the components shown below are included. If there is a defect in the product or a missing component, please contact the place of purchase immediately.



PC-EPhone
(Battery included)



Cradle
(Charging and desktop PC
connecting device)



AC adapter
(110 V, 220V/50~60Hz)



Leather case



Stylus & Connecting strap



Product guarantee



Customer registration Card



PC-EPhone Software CD



Quick reference

II. Using the Manual

This User's Manual will give you quick and effective guides to using your PC-EPhone more efficiently and conveniently.

This User's Manual consists of the following :

► **Chapter 1 About PC-EPhone**

Describes PC-EPhone components and introduces Internet sites and services where you can get information related to your PC-EPhone.

► **Chapter 2 Getting Started**

Outlines PC-EPhone's main features and introduces the steps you should take when first using your PC-EPhone.

► **Chapter 3 PC-EPhone Customizing and Maintenance**

Gives information on PC-EPhone system settings and battery & memory management. Describes how to utilize the Intel Persistent Storage Management (IPSM) built in your PC-EPhone.

► **Chapter 4 Connecting to a Desktop PC**

Explains how to connect your PC-EPhone and desktop PC via serial cable or IrDA ports, and how to synchronize and copy data between your desktop PC and PC-EPhone using Microsoft ActiveSync. Also explains how to install and un-install programs in PC-EPhone.

► **Chapter 5 Backing up and Restoring Data**

You need to backup data periodically or when needed to prevent data loss. This chapter introduces various ways of backing up and restoring data using ActiveSync and CF Cards.

► **Chapter 6 Internet Connection and Use**

As PC-EPhone has a built-in mobile phone module, you can connect to the Internet through dial-up connection or a LAN card of CF Type II Card. This chapter describes how to connect directly to the Internet from your PC-EPhone and gives information on the Web Browser and the E-mail program.

► **Chapter 7** **Applications**

Outlines basic PC-EPhone applications including PC-EPhone Contacts, PC-EPhone Calendar, PC-EPhone Tasks, Calculator, Memo and Recorder programs.

► **Chapter 8** **Accessories**

Describes accessories provided by CYBERBANK and explains how to use a CF Card.

► **Chapter 9** **Tips and Troubleshooting**

Introduces tips and troubleshooting methods that will come in handy when using PC-EPhone.

► **Chapter 10** **Support and Service**

Gives information on web sites with PC-EPhone related information, and on customer support.

III. Conventions

This User's Manual uses the following conventions that will help you find and understand the information easily.



Indicates that failure to follow directions could result in data loss or damage to equipment.



Indicates that failure to follow directions could result in moderate losses.



Indicates helpful information for using your PC-EPhone.

IV. Programs Installed in PC-EPhone

The following programs are provided with your PC-EPhone.

(1) Programs installed in ROM (Read Only Memory)

You may not voluntarily uninstall and install programs in your PC-EPhone's ROM.

▶ Memo

Enables you to create simple written memos using Handwriting Recognizer program.

▶ Contacts

Manages names, addresses, and phone numbers, and can always be updated through synchronization with a desktop PC.

▶ Calendar

Manages important meetings, events, and schedules, and can always be updated through synchronization with a desktop PC.

▶ Tasks

Reminds you of tasks by setting off alarms, and can always be updated through synchronization with a desktop PC.

▶ E-Mail

Enables you to directly send and receive E-mail along with attachments.

▶ MineSweeper

Pass the time at the airport, on the train, or during a not-so-important meeting or lecture with this classic game.

▶ Calculator

Provides a scientific calculator as well as a standard calculator. Also, CYBERBANK has added a weights and measures conversion feature.

▶ Recorder

Enables you to voice record memos and important items that you can listen to later through playback.

► **Backup & Restore**

Enables you to backup or restore the data in your PC-EPhone's RAM (file, DB, registry) to and from CF Cards and IPSM.

► **Short Message Service(SMS)**

Enables you to send and receive short messages to and from other mobile phones.

► **Phone**

Enables you to make voice calls just like a mobile phone.

► **Remote Networking**

Enables you to connect to an Internet Service Provider(ISP) through a modem.

► **Terminal**

Used to connect to online services that need VT-100 TTY terminal emulation.

► **ActiveSync**

Used to exchange data by connecting your PC-EPhone and desktop PC.

► **PC Link**

Used to connect your PC-EPhone and desktop PC.

► **Microsoft Pocket Word**

Enables you to download MS Word documents from your desktop PC through synchronization and to edit them on your PC-EPhone when desktop PC is unavailable.

► **bSpreadSheet**

Enables you to view Excel documents and to compute numerical figures.

► **PC-EPhone Web Browser (Internet Explorer 4.0 compatible)**

Enables you to freely browse Web sites.

► **Windows Explorer**

Used to find or organize files.

(2) Programs provided in PC-EPhone Software CD

▶ **PC-EPhone PIMSSync**

Is S/W needed in synchronizing Outlook 2000 on the desktop PC and PIMS data (PC-EPhone Calendar, PC-EPhone Tasks, PC-EPhone Contacts) of PC-EPhone using ActiveSync.

▶ **PDF Viewer (Ansys Primer)**

Enables you to view documents in PDF form on your PC-EPhone.

▶ **AvantGo Client**

Enable you to receive AvantGo Channel services.

▶ **Dictionary(Korean/English, English/Korean) (Korean Version Only)**

Is installed from PC-EPhone Software CD.



You can also install programs other than the applications that are basically provided. For more detailed information, see the “Installing/Uninstalling Programs” section in Chapter 4.

V. Finding Information (PC-EPhone related information)

When you need to find other information related to your PC-EPhone, refer to the following :

Synchronizing Data

See Microsoft ActiveSync Help installed on your Desktop PC or your PC-EPhone User's Manual

Unfamiliar Technical Terminology

See the technical terminology section in the appendix C

Product Use Guide and Troubleshooting

See your PC-EPhone User's Manual. (<http://www.pc-ephone.co.kr>)

Connecting your desktop PC and PC-EPhone

See your PC-EPhone User's Manual or Microsoft ActiveSync Help

Product Information

<http://www.cb.co.kr>, <http://www.pc-ephone.co.kr>

Customer Support

<http://www.pc-ephone.co.kr>

Product Registration

Customer Registration Card, <http://www.pc-ephone.co.kr> Online registration

Guarantees and Service Information

Product Guarantee Card

Downloading Latest Updated ActiveSync

<http://www.microsoft.com/mobile/pocketpc/downloads/activesync.asp>

Microsoft Windows CE Update information

<http://www.microsoft.com/mobile>

VI. FCC RF Exposure Information

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of PC-EPhone complies with the FCC guidelines and these international standards.

Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage your PC-EPhone, or result in violation of FCC regulations.

Do not use your PC-EPhone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-worn Operation

PC-EPhone was tested for typical body-worn operations using the optional belt-clip / holster placed 1 inch (2.54cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 1 inch (2.54cm) must be maintained between the user's body and PC-EPhone, including the antenna, whether extended or retracted. The use of third-party belt-clips / holsters with no metallic components that provide the minimum separation distance of 1 inch (2.54cm) can be used to satisfy FCC RF exposure requirements. The use of non-tested accessories or other body-worn operations may not comply with FCC RF exposure requirements and should be avoided. Contact your local dealer for optional accessory items.

For more information about RF exposure, please visit the FCC website at www.fcc.gov

CHAPTER 2

GETTING STARTED

This chapter provides you with the basic information you need to use your PC-EPhone.

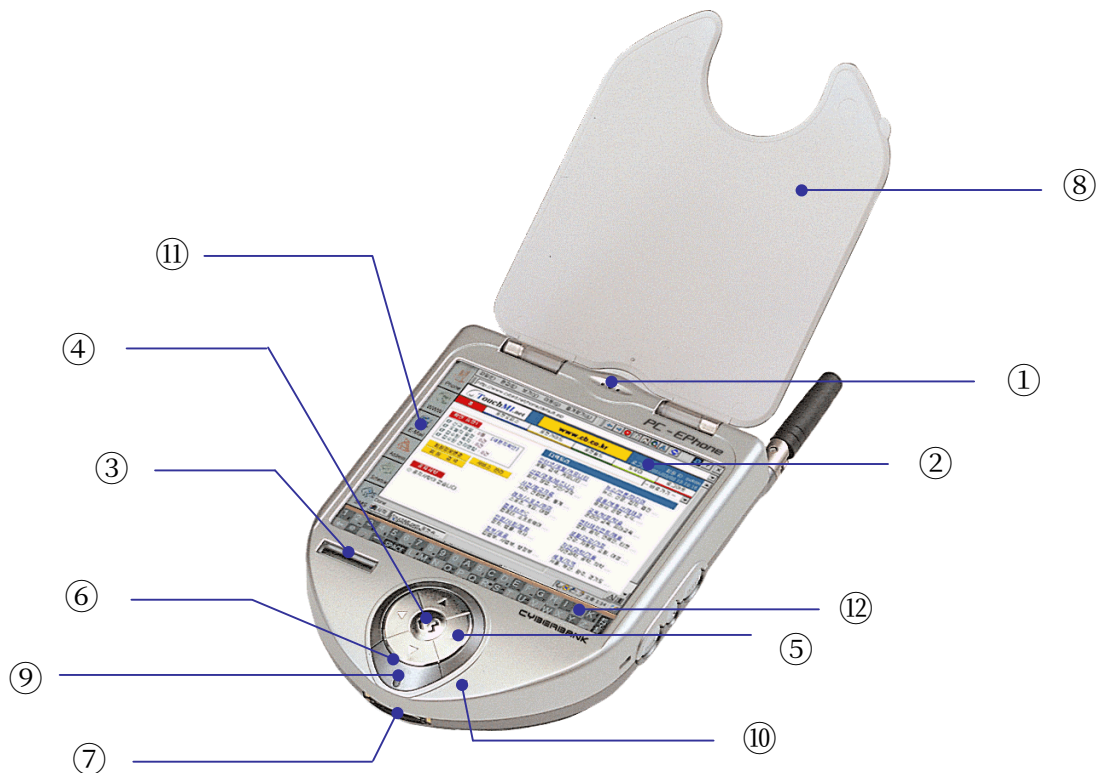
This chapter includes information on:

- ▶ **Product Hardware Features**
Describes PC-EPhone's features and tips on usage.
- ▶ **Using your PC-EPhone for the first time**
Describes the steps you must take when using PC-EPhone for the first time.
- ▶ **Turning your PC-EPhone ON/OFF**
Explains how to turn your PC-EPhone ON/OFF.
- ▶ **Using Hardware Buttons**
Gives information on PC-EPhone hardware buttons.
- ▶ **How to input data on PC-EPhone**
Describes how to input data on PC-EPhone.

I. Product Hardware Features

(1) PC-EPhone

1) Front panel and Bottom edge



1. Voice Call Speaker

Voice comes out when the other speaks.

2. LCD Display Screen

With a 640 x 480 resolution and a 256-color, 4" color TFT LCD, the screen displays when applications are actually run.



As the touch screen is made of very delicate materials, when tapped by sharp objects such as a knife or an awl, it is easily damaged and will no longer be capable of recognition.

3. CDMA Status Display

Displays cellular phone reception intensity, current time, and battery remainder.

4. Speaker

A speaker built in PC-EPhone.



Does not operate when the headset jack is connected.

5. Navigation button

The four way direction buttons located on the bottom part of your PC-EPhone allows you to quickly and conveniently move the cursor (up/down/left/right) when selecting an icon or editing a document.

6. Enter button

Performs the same task as the “**Enter**” key on the common keyboard. In other words, it is used to open a selected item.

7. Serial Port

Enables serial communication with your desktop PC through a serial cable.



Serial cable must be purchased separately.

8. Cover

A protective lid to protect the LCD screens.



The purpose of the cover is to protect the LCD screen. It does not perform the functions of disconnecting communication (voice and data communications) or converting your PC-EPhone to the Sleep mode.

9. LED Light

The LED flickers with a **Red** light when a Hard Reset (Cold Booting) is performed on your PC-EPhone. A steady **Red** light indicates that the recording program is recording a voice message and shows that the system is in a normal running state.



When initially attaching the battery, if the booting logo does not appear and the LED stays lit, check the battery connection and the Battery Lock in the back. If the LED continues to light on, despite a battery is connected in the right way, please contact the *Customer Support Center*.

10. Microphone

Used for speaking in the phone and voice recordings. The microphone does not operate when the headset jack is connected.

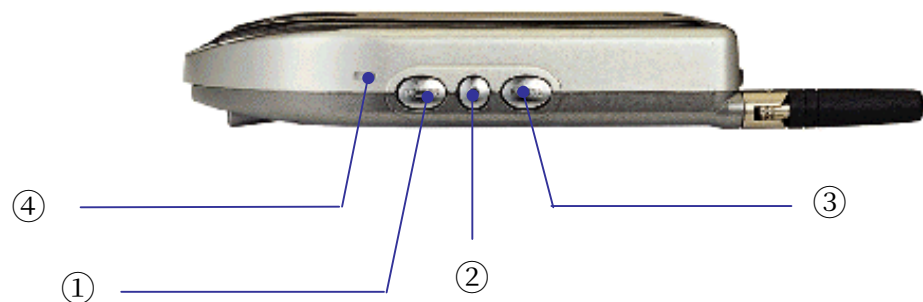
11. Hot Keys for Applications

Allows one-touch access to main applications (Phone, Web Browser, E-mail, Contacts, Calendar, SMS). Select the corresponding one-touch Hot Key button to run a program.

12. Touch Panel Keyboard

A soft keyboard program, which carries out the same functions as a desktop PC keyboard, is provided in your PC-EPhone. As a supplementary input device of the soft keyboard, the touch panel keyboard allows you to input simple numbers and characters without having to run the soft keyboard.

2) Right Side



1. Power button

Used to turn your PC-EPhone ON and OFF. The PC-EPhone is said to be in a **Sleep Mode** status when it is turned off. In **Sleep Mode**, all PC-EPhone functions, except for the phone function, are suspended and only the least amount of power needed to preserve data is supplied.



When you are not using your PC-EPhone, turn it off using the **Power** button so that the battery can be used more efficiently. Even when the power is turned off, power is continuously supplied to the **Phone** so you may receive incoming calls. To turn the power supplied to the phone completely off, press the **END/PWR** button on the phone screen for about 3 seconds and no data will be shown on the CDMA Status Display as the phone program is turned off.

2. Record button

Used to run the recording program or control recording functions. More specifically, when the PC-EPhone is turned on you can run the recording program by pressing this button, and another press will start recording. Also, you can stop recording by pressing this button while recording.

3. Phone button

Used to run the Phone program or control phone calls.

- **How to run the Phone program**

- When your PC-EPhone is turned off, first press the **Power** button then press the **Phone** button to run the Phone program on your PC-EPhone.
- You can run the Phone program by pressing the **Phone** button when your PC-EPhone is on. When pressing the **Phone** button, the last number you dialed will appear on the Phone program screen. At this time, pressing the **Phone** button again will connect you to that phone number.

- **How to control Phone Calls**

- To receive an incoming call to your PC-EPhone, press the **Phone** button as you would with a cellular phone. If you press the **Phone** button during a phone call, the call will be disconnected.

4. Buzzer

The phone bell rings on the arrival of a call.

3) Left side and Upper edge



1. CF (CompactFlash) Card Slot

The CF Card Slot is used to install CF Type II Memory Card, LAN Card, and GPS Receiving Card. You may utilize it to your needs, for example, adding storage memory by purchasing a CF Card that meets standard requirements or connecting your PC-EPhone to a LAN.

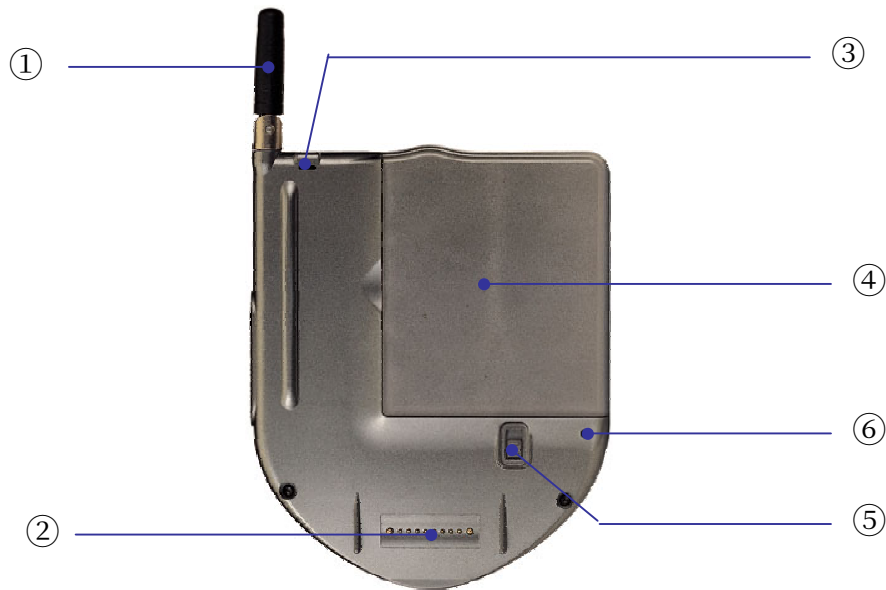
2. Infrared Port

A communication window that enables infrared communications. Infrared Port allows you to connect your PC-EPhone to your desktop PC via infrared beam. For more information, see ***“Chapter 4 Connecting to a desktop PC”***.

3. Headset Jack

The Headset jack is used to connect the headset, which has the functions of earphone and microphone. You can use this jack to speak on the phone or listen to MP3 music files.

4) Back side



1. Antenna

Used for the Cellular Phone built in your PC-EPhone.

2. Cradle Connection Pin

Enables power supply and serial communication with a desktop PC when your PC-EPhone is placed in the cradle.



Damages to this pin may result in a defect in charging power to your PC-EPhone and in connection to a desktop PC.

3. Hook

Is used to tie a string around in order to make your PC-EPhone easier to carry around.

4. Battery

Is the main battery that supplies power to your PC-EPhone. For more information, refer to the ***Exchanging and Installing the Batteries section in chapter 3.***

5. Battery Lock

Performs two main functions. This locks the battery into place to prevent it from being detached, when it is installed on the battery slot of PC-EPhone. Also, it enables your PC-EPhone to use power from its internal backup battery so as not to lose data while changing the battery.



Exchange batteries quickly and do not switch the Battery Lock upward when the battery is detached. If your PC-EPhone is neglected for a long time with its battery detached, the Backup Battery becomes fully drained and data stored in the RAM will be lost.



To turn off your PC-EPhone, do not switch the Battery Lock downward. Use the **POWER** button on the right side of your PC-EPhone.

6. Reset Button

The Reset button is in an inward position to the product case. When your PC-EPhone is running slow or improperly, use the stylus to press the **Reset** button to reset the system. There are three kinds of Resets: **Soft Reset**, **CDMA Reset**, and **Hard Reset**. You can perform a **Soft Reset** by pressing the **Reset** button with the stylus, and a **CDMA Reset** by detaching the Main Battery then attaching it again. A **Hard Reset** requires you to simultaneously press the **Reset** button and the **Power** button on the right side, and then let go of the **Reset** button first and of the **Power** button about 0.5 second later. For more information, see the ***Resetting systems section in Chapter 3.***

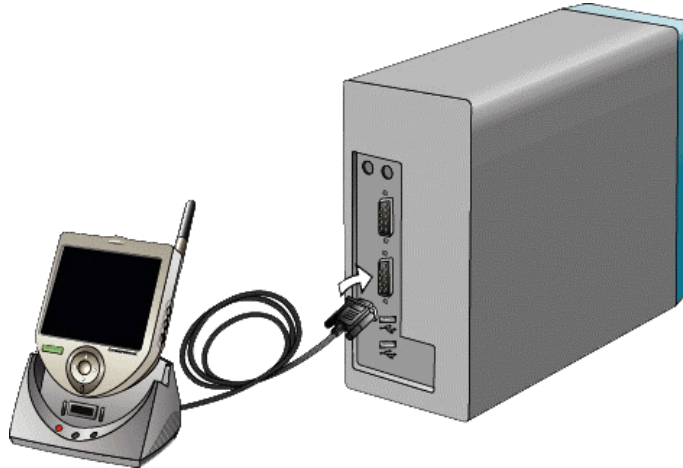


When you perform a **Soft Reset**, you will lose all unsaved data. Be sure to save all data in open documents or programs beforehand. Also, when you perform a **Hard Reset**, you will lose all information that is stored in the RAM. Be sure to save all data using ActiveSync or system Backup utility before you perform a Hard Reset. For more information on backing up data, refer to '***Chapter 5 Backing up and Restoring Data***'

(2) Accessories

1) Cradle (charger and desktop connector)

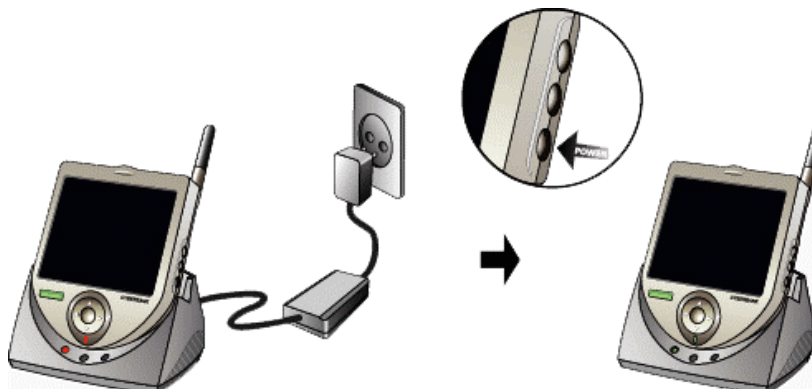
The Cradle connects your PC-EPhone to your PC partner and also takes on the role of charging the main battery. Connecting to a desktop PC is accomplished via serial cable, which is attached to the cradle. Charging is done by connecting a power source to supply power to the cradle.



You must supply a power source to the cradle before connecting to your desktop PC. If power is not supplied to the cradle, you will not be able to establish a connection.

2) A/C Adapter

The A/C Adapter supplies an external power source to the cradle.



3) Stylus

You can use the stylus in much the same way you would use a mouse on the desktop PC. Use it to run programs and to press the **Reset** button.



Do not touch the screen with any other sharp objects other than the enclosed stylus. The LCD Display screen may be damaged.

(3) Handling cautions for your PC-EPhone

- ▶ Do not place heavy objects on your PC-EPhone. Your PC-EPhone may be damaged.
- ▶ Do not store near a strong magnetic force.
- ▶ Dropping your PC-EPhone and creating a strong impact or using excessive force on it may result in damage or malfunctioning.
- ▶ Getting your PC-EPhone wet in the rain or spilling some beverage may result in a break down.
- ▶ Do not voluntarily disassemble, repair, or assemble your PC-EPhone. If it needs to be repaired, contact the customer support center.
- ▶ When using the touch screen, be sure to use the stylus that comes with your PC-EPhone. Using your fingertips or other sharp objects may cause damage to the touch screen so as to dull the character recognition function and cause other defects.
- ▶ Your PC-EPhone must be used in the following temperature conditions due to the characteristics of the LCD. If used in conditions outside this range, malfunctions and breakdowns may occur. (Temperature conditions: 0 ~ 40°C / 32 ~ 104°F)
- ▶ When removing dirt or other residue, use a soft cloth.
- ▶ When the battery's capacity is insufficient, either charge it or exchange it with a charged battery as quickly as possible. Important data stored in the memory will be lost if the battery is completely drained.
- ▶ For safekeeping, store your PC-EPhone in its original case from purchase.

II. Using your PC-EPhone for the first time

Follow the steps in this section to start using your PC-EPhone for the first time.

(1) Connecting the Battery to PC-EPhone

Install the Main Battery to your PC-EPhone as shown below.



Please place the battery in the slot leaving 4 ~ 5 mm space and push it firmly, and be careful not to get the battery caught in the groove of PC-EPhone's battery slot. While inserting the battery, the battery slot can be damaged if excessive force is used.

The Main Battery may be drained during the transportation from the factory to the consumer; therefore you should connect AC power to the cradle and place your PC-EPhone in it in order to charge the battery when using your PC-EPhone for the first time.

(2) Check the following operations of your PC-EPhone

1. After connecting your PC-EPhone to a power source and pressing the Power button, the CYBERBANK logo will be displayed for approximately 2 seconds, and then gives way to a display that will help you calibrate the touch screen.
2. A target (+) will move in the order of “**center** → **upper left** → **lower left** → **lower right** → **upper right**”, to different locations on your screen. Since calibrating the touch screen has a direct affect on the recognition ability of your touch screen, be sure to accurately tap the center of the target (+) with your stylus. For more information, see the **Setting PC-EPhone Preferences** section in **Chapter 3**.

(3) Setting System Preferences

Before using your PC-EPhone, you should customize it to your needs by setting basic system preferences in the **Control Panel**. You may also set preferences during use. On

the **Start** menu, tap **Settings**, and then point to **Control Panel** and set system configurations. For more information, see the **Setting PC-EPhone section in Chapter 3**.

III. Turning your PC-EPhone ON/OFF

By using the **Power** button on the right side of your PC-EPhone, you can easily turn off or restart your PC-EPhone. When you press the **Power** button while using your PC-EPhone, all current operations, except for data communication (Internet use), are preserved as their current conditions even when your PC-EPhone is suspended. Press the **Power** button once more when you wish to resume operations, and all operations will be restored on the screen exactly where you left them.

IV. Using Hardware Buttons

(1) **Phone button**

Activates the Phone program immediately and you can make a call using this program.

(2) **Record button**

One press gets you to the recorder screen, and another press starts recording. Recording is ended if you press the Record button during recording.



Recorded data is stored as a file in the memory allowing you to listen to it whenever you wish. As it is stored in the memory in file form, recording time depends on remaining memory space and recording method.

(3) **Power button**

Allows you to end or start PC-EPhone operations. When you turn on your PC-EPhone again, you can resume working right where you left off.

(4) **Navigation button**

Performs the same actions as the up, down, left, right arrows on a common keyboard.

(5) **Enter button**

Perform the same actions as the Enter key on a common keyboard.

V. How to Input Data

Your PC-EPhone allows you to input data in the following three ways, instead of providing a separate common keyboard.

- ▶ **Inputting data using the Touch Panel keyboard**
- ▶ **Inputting data using Diopen**
- ▶ **Recording voice messages with the recorder**

(1) Using the Touch Panel Keyboard

You can input simple numbers or alphabet characters using the Touch Panel keyboard on the bottom of the LCD screen.



(2) Using Diopen

Tap the Diopen/keyboard selection icon (), and the Diopen screen appears.



The following gives you information on Diopen, by item.

Diopen item	Description
Handwriting Recognizer mode	A handwriting recognizer program that uses SIP (Simple Input Panel).
Keyboard mode	A soft keyboard input program that uses SIP.
Keyboard/ Handwriting Recognizer mode	A program that let you write down character and use keyboard.
Screen Recognizer mode	Instead of using SIP, a character recognizer program that lets you write down in any location of screen.

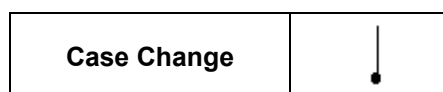
1) Diopen Handwriting Recognizer mode

Diopen's default mode is the Handwriting Recognizer mode. If Diopen is currently in the Keyboard mode or Screen Recognizer mode, tap the handwriting recognizer mode button. 



◆ Alphabet Letter input

You must write in the Alphabet writing area. Lower case letters are set as default. To enter capital letters, you must first input the “**Case change gesture**” (see **Gesture input**).



When you perform the “**Case change gesture**” 2 consecutive times, Caps Lock is activated. To deactivate Caps Lock, input the “**Case change gesture**” once more. The current input character mode is displayed in the lower right-hand corner. Also, to enter Accented letters, first write the Alphabet and then mark in the Accent Mark in the adequate location of the Alphabet.

◆ Numeric Letter input

You must write in the Numeric writing area.

◆ Symbol Letter input

You must write in the Symbol writing area. You can input symbols included in the **Latin1 Basic character set** (US ASCII) and **Latin1 Supplement character set**, and **Euro Symbol**.

‘_’, ‘,’ : Write in the lower part of Symbol writing area

‘”’, ‘”’ : Write in the upper part of Symbol writing area

‘/’, ‘\’ : Write in the center part of Symbol writing area

Tap the  button and the following symbols keyboard appears.

~	ı	œ	€	£	¥	\$	β	±	μ	¢	←	→
Tab	!	@	#	\$	%	^	&	×	(	)	\	"
←	→	{	}	[	]	<	>	;	:	'	↵	
Esc	`	ı	-	-	+		=	/	?	,	.	

The symbols keyboard automatically disappears, by default, after inputting one character.

Tap the  key to consecutively input symbols. When you are finished entering symbols, tap the  key or  key to return to the writing screen.

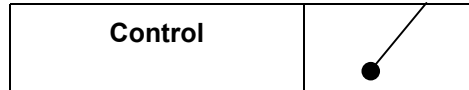
◆ Gesture input

Gestures can be used to input commonly used symbols and edit input text, as well as for Upper case mode change and Hot Key input (see **Hot Key input**). When you enter the gestures shown below into the writing screen, the corresponding symbol is input and the corresponding editing method is executed on the text. You can see gesture strokes in **HELP**. The Case Change gesture is only applied to the next entered character (similar to Shift Key). If you make the Case Change 2 consecutive times(similar to Caps Lock Key), it is applied until you input the Case Change gesture once more to cancel it.

Command	Stroke	Command	Stroke
Space		Back Space	
Enter 1		Tab	
Enter 2		Delete	
Case Change		Control	

◆ Hot Key input

You can enter “**Ctrl + Alphabet Letter**” (for example, Ctrl + a, c, x, v, z, q. etc.). Enter the Alphabet you need after inputting the Control gesture.



A beep sounds when you input the Control gesture.

You can input in the same way in all handwriting recognizer modes. You can input all hot keys supported in each application. If you input the “**Upper case mode change gesture**” once, only the next character will appears in upper case. To consecutively input upper case letters, write after making the Upper case mode change gesture twice.

2) Keyboard mode

Tap the **keyboard** button  in the Diopen handwriting recognizer mode or tap the **keyboard** button  on the screen recognizer toolbar to change to the keyboard mode. If Keyboard Recognition is not selected in the setting, the Keyboard mode is activated.

◆ Latin1 Basic Letter keyboard

You can take turns selecting the following screens by tapping the Shift key() or Caps Lock key() .

Esc	1	2	3	4	5	6	7	8	9	0	-	=	←	↩
→	q	w	e	r	t	y	u	i	o	p	[	]	\	↪
↑	a	s	d	f	g	h	j	k	l	;	'	`		↵
↑Shift	z	x	c	v	b	n	m	,	.	↑	/	Enter	↵	↵
Ctrl	Alt	123	Space				Del	À	←	↓	→	↵	↵	↵

Esc	!	@	#	\$	%	^	&	*	(	)	_	+	←	↩
→	Q	W	E	R	T	Y	U	I	O	P	{	}		↪
↑	A	S	D	F	G	H	J	K	L	:	"	~		↵
↑Shift	Z	X	C	V	B	N	M	<	>	↑	?	Enter	↵	↵
Ctrl	Alt	123	Space				Del	À	←	↓	→	↵	↵	↵

◆ Latin1 Supplement Letter keyboard

When you tap the  key on the Latin1 Basic Letter keyboard, the Latin1 Supplement Letter input soft keyboard window appears as shown below.

You can take turns selecting the following screens by tapping the Shift key() or Caps Lock key() .

Esc	ı	ı	œ	ø	£	¥	§	°	±	μ	ý	ÿ	←	⌂
→	à	á	â	ã	ä	å	æ	ç	ð	ñ	[	]	\	⌂
↑	è	é	ê	ë	ì	í	î	ï	þ	š	'	`		↵
↑Shift	ò	ó	ô	õ	ö	ù	ú	û	ü	↑	ø	Enter	↵	↵
Ctrl	⌂	Alt	123	Space				Del	AU	←	↓	→	⌂	⌂

Esc	€	□	œ	«	»	¶	©	®	×	÷	Ý	ÿ	←	⌂
→	À	Á	Â	Ã	Ä	Å	Æ	Ç	Ð	Ñ	{	}		⌂
↑	È	É	Ê	Ë	Ì	Í	Î	Ï	Þ	Š	"	~		↵
↑Shift	Ò	Ó	Ô	Õ	Ö	Ù	Ú	Û	Ü	↑	ø	Enter	↵	↵
Ctrl	⌂	Alt	123	Space				Del	AU	←	↓	→	⌂	⌂

It is changed back to the Latin1 Basic Letter keyboard after you enter one character. Also, if you want to return to the Latin1 Basic Letter keyboard without entering a character, tap the **AU** key.

◆ Numeric Letter keyboard

Tap the **123** key and the following Numeric letter keyboard appears.

7	8	9	/		Home	End	←
4	5	6	*		Enter	↑	Esc
1	2	3	-		←	↓	→
0	.	Del	+		Space		

Tap the **Esc** key on the numeric keyboard and it will disappear.

3) Keyboard/Handwriting Recognizer mode

Tap the keyboard button  on the Diopen Handwriting recognizer screen or tap the keyboard button on the screen recognizer toolbar to change to the keyboard mode. If “**Keyboard Recognition**” is selected in settings, the Keyboard/Handwriting recognizer mode is activated (see *Diopen user settings*).

4) Using Diopen Screen Recognizer

To convert to the screen recognizer mode, tap the  button in Diopen Handwriting Recognizer mode, or tap the  button in the Keyboard mode, and the following Diopen toolbar appears.



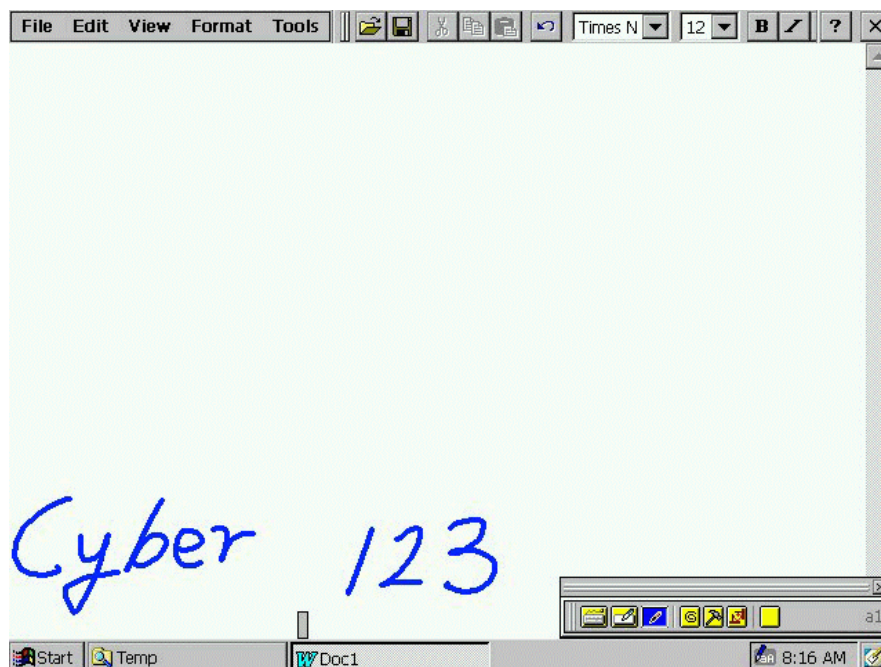
“Capital change gesture” is activated in English letter input mode.

When tapping this button , the another Diopen toolbar appears as shown below.



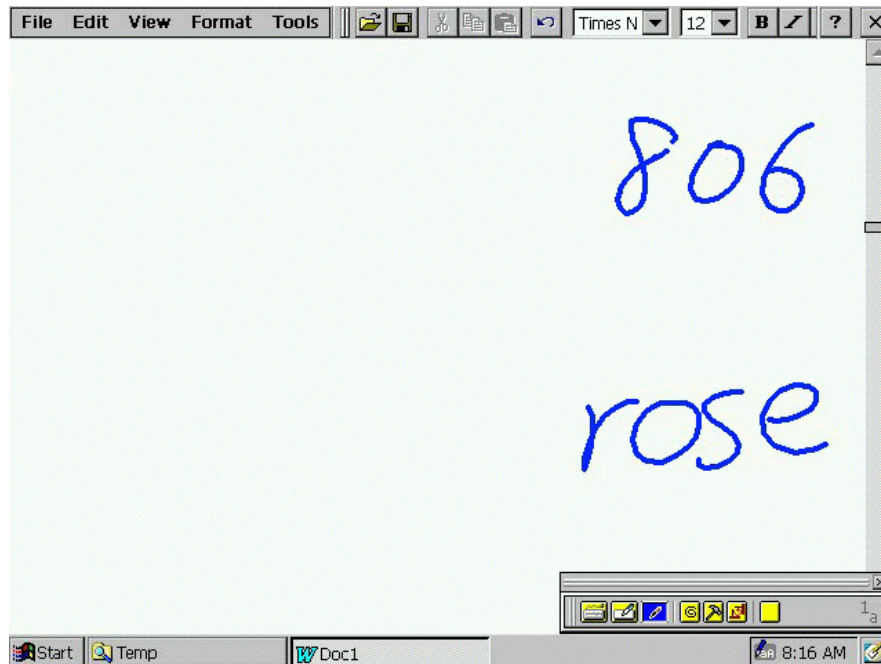
You can take turns selecting the horizontal and vertical division mode by tapping button .

- Horizontal division



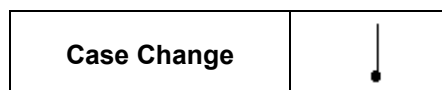
In the horizontal division mode, the upper side of the division mark is for writing the number and the lower side is for writing the letter of Alphabet.

- Vertical division



In the vertical division mode, the left side of the division mark is for writing the letter of Alphabet and the right side of the division mark is for writing the numbers.

Tap “Capital change gesture”



and you can input the upper and lower case letters. Tap  button and you can go back to the other toolbar.

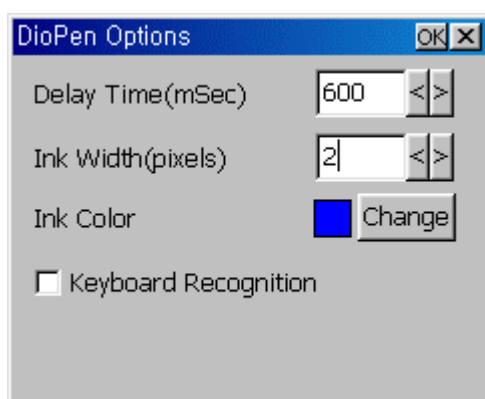
The following are descriptions of each button on the Diopen tool bar.

Button	Description	Button	Description
	Select Diopen keyboard		Open symbols keyboard
	Select Diopen Handwriting recognizer		Diopen User Settings
	Screen recognizer/Pointing Mode Conversion		Area division type conversion
	Select Handwriting recognizer mode		Convert to area division

	Select Numeral recognizer mode		Convert entire area
	Select Symbol recognizer mode		

5) Diopen User Settings

When you tap the settings button  in each Diopen mode, the following Diopen Options dialog box appears.



◆ Delay Time

When entering a symbol, if the next stroke is not made within the Delay Time, Diopen proceeds with the recognition of the previous strokes. In addition, if the Delay Time passes by after completing writing in Screen Recognizer, the writing ink is deleted. You are able to set the Delay Time in mSec units, within the range of 100 ~ 5000(mSec). The default Delay Time is set at 600 mSec.

◆ Ink Width

Indicated the width in which your stroke is displayed on the screen. You can set it in Pixel units within a range of 1 ~ 5(pixels). The default Ink Width is set at 2 pixels.

◆ Ink Color

Select the color in which you wish your stroke to be displayed on the screen.

◆ Keyboard Recognition

You can input characters by writing on the Diopen keyboard. If it is not selected, you can only use the Diopen keyboard and not Handwriting Recognizer. The default settings enable you to use Handwriting Recognizer on the Diopen keyboard.

(3) Recording Sounds using Recorder

You can capture and effectively manage ideas or thoughts that suddenly strike you by saving them in voice message on your PC-EPhone. You can **Run, Start Recording, Stop** the Recorder program just by using the **Record** button on the right side of your PC-EPhone.



◆ Recording

Press the **Record** button once to run the recorder program. Press it once more to start recording. After recording you wish to save using the microphone, press the **Record** button again to end recording and save it in a temporary file. You can perform the same operations by tapping the **Rec** and **Stop** buttons on the Recorder display screen.

◆ Saving recorded file as another name

To save the file you have recorded as another name, tap **SAVE** right after you have completed recording. When the Save As dialog box appears, select the location you want to save at, enter the file name, and tap the **OK** button.

◆ Playing back

When tapping the **Play** button, the prerecorded file will be played back. To open a prerecorded file, tap the **Open** button and after selecting the file of your choice, tap the **Play** button. Tap the **Stop** button to stop in the middle of playback, and the **Pause** button to pause in the middle of playback.



For more information on the available recording time, see the **Setting System Memory** section in “Chapter 3 PC-EPhone Customizing and Maintenance”.

CHAPTER 3

PC-EPHONE CUSTOMIZING & MAINTENANCE

This chapter will provide you with information on how to optimize your PC-EPhone use by setting general preferences. It will also introduce how to manage the power and batteries, giving you tips on how to extend battery usage time and protect important data.

This chapter includes the following information:

- ▶ **Setting PC-EPhone Preferences**

Explains how to set basic system preferences before using your PC-EPhone.

- ▶ **Managing Battery Power**

Teaches you how to charge and efficiently manage the battery.

- ▶ **Managing and Applying Memory**

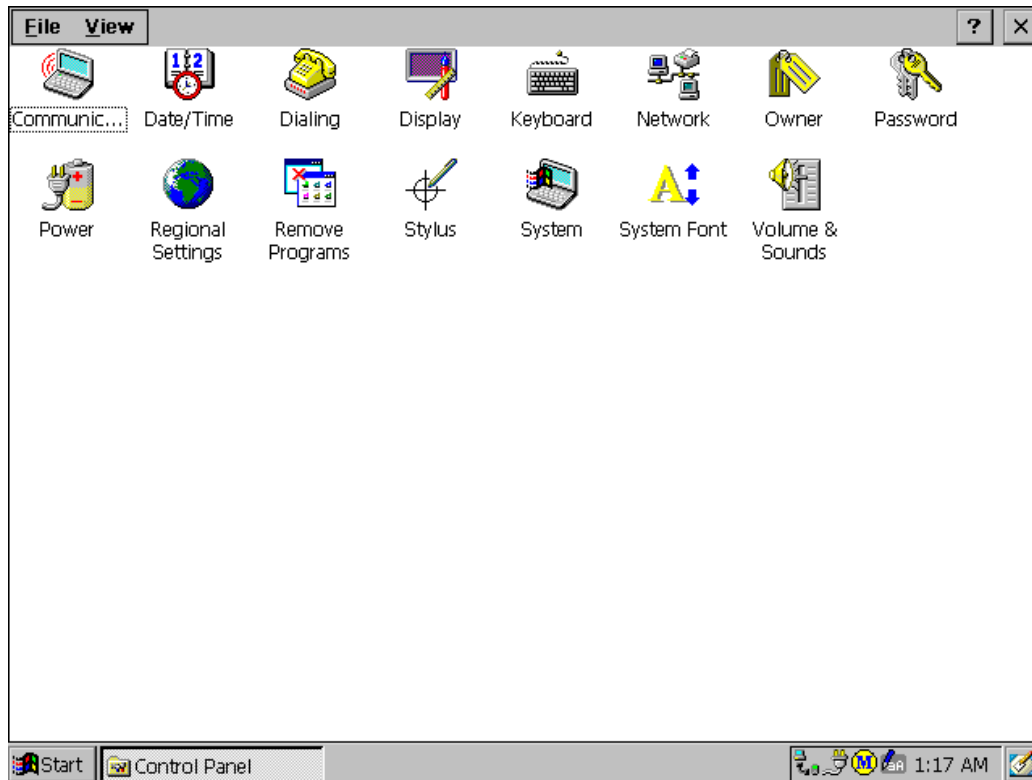
Gives information on the kinds of memory (RAM, IPSM, CF Card) used in your PC-EPhone.

- ▶ **Resetting Systems**

Explains how to perform a Soft Reset, CDMA Reset and a Hard Reset along with the precautions you must take.

I. Setting PC-EPhone Preferences

Set and adjust basic system settings before using your PC-EPhone to customize it just for you. On the **Start** menu, point to **Settings**, tap **Control Panel**, and the following display will appear.



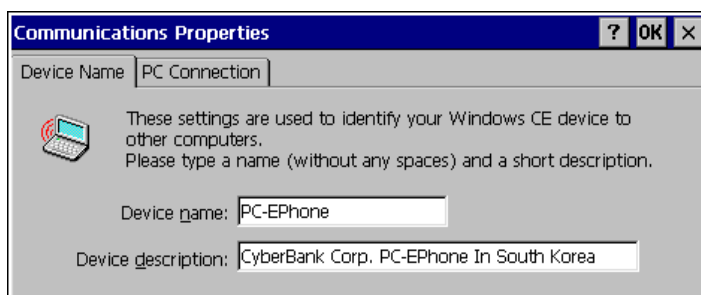
Double-tap on the icon of your selection. A tap on the **OK** button on the corresponding settings applies all settings changes.

(1) Communications

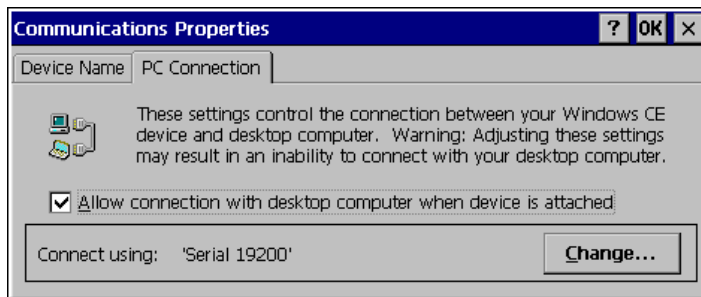
- 1) Device Name : Set a device name.



The device name is set as **PC-EPhone** by default.



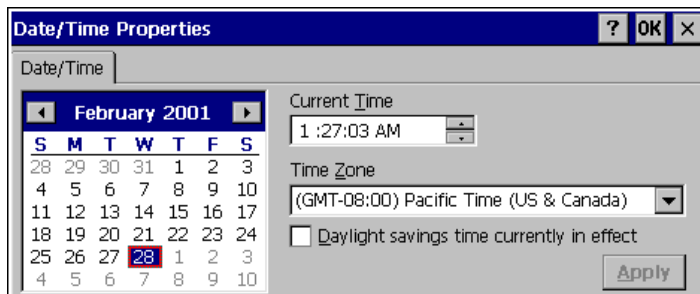
- 2) PC Connection : Set options for establishing a connection to your desktop PC.



PC-EPhone's Baud Rate is set as **19200** by default. You can also change this setting after the first synchronization through ActiveSync. For example, **Serial 115000** is recommended in Korea.

(2) **Date/Time**

Set the Year, Month, Day, Time, and select the Standard Time Zone and Daylight savings time and press the **Apply** button and the current time is automatically set. However, if you want to set time manually, select **Manual** option box.



(3) **Dialing**

Dialing properties allows you to create dialing locations and set dialing options.

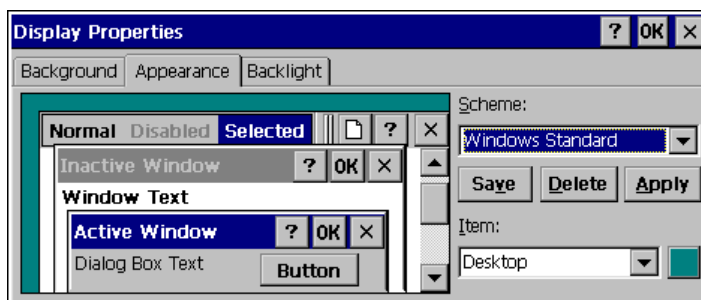


(4) Display

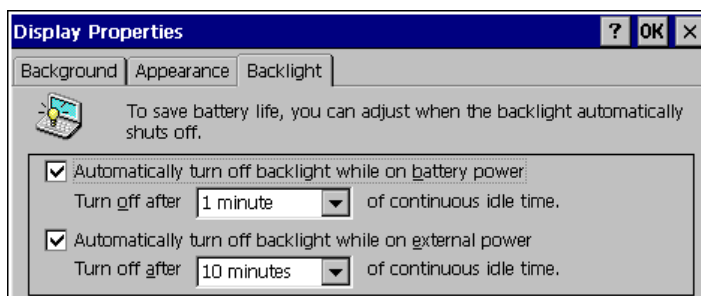
- 1) Background : You can change the picture file (BMP) using the **Browse...** button.



- 2) Appearance : You can change the background color the way you want it. First, select an item you want from the **Scheme** drop-down list box and you can apply it as you want by pressing the **Save**, **Delete**, or **Apply** buttons.

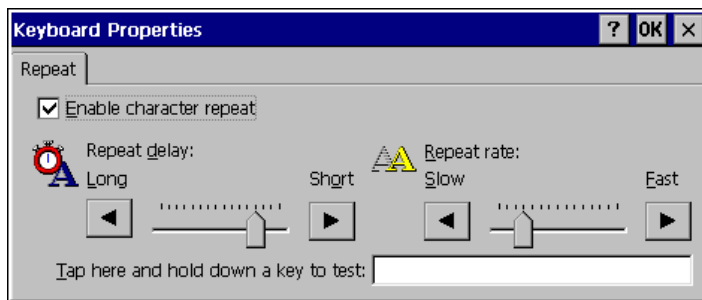


- 3) Backlight : For battery conservation, the backlight can be set to go off after the preset time when the your PC-EPhone is not in use. When you resume work on your PC-EPhone, the backlight automatically turns back on.



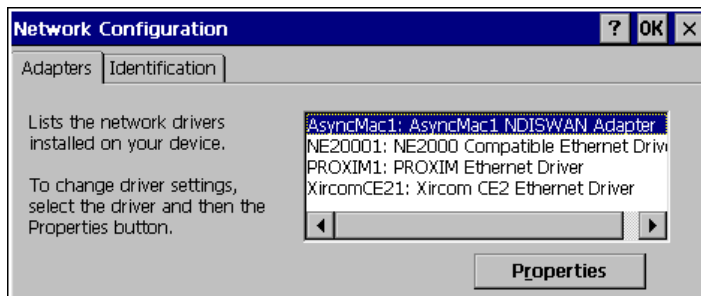
(5) Keyboard

You can control how quickly characters respond to pressing a key on your keyboard (Repeat delay and Repeat rate).



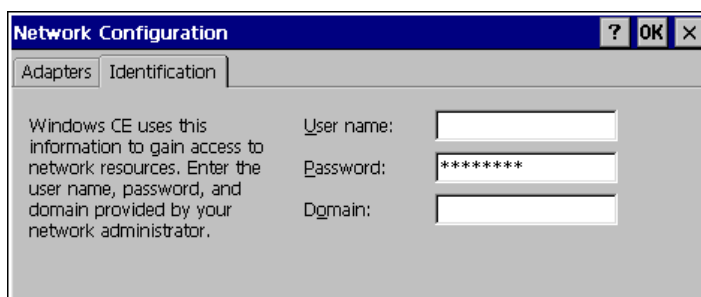
(6) Network

- 1) Adapters : To change the network driver settings, tap the **Properties** button.



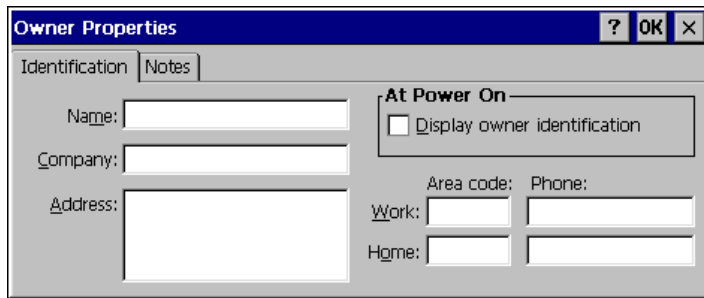
PC-EPHONE is set as **NE20001** by default. If you want to change a Network Driver other than NE20001, select the one you want and press the **Properties** button to set the preference for that driver.

- 2) Identification : Set the User Name, Password, and Domain used for accessing networks.



(7) Owner

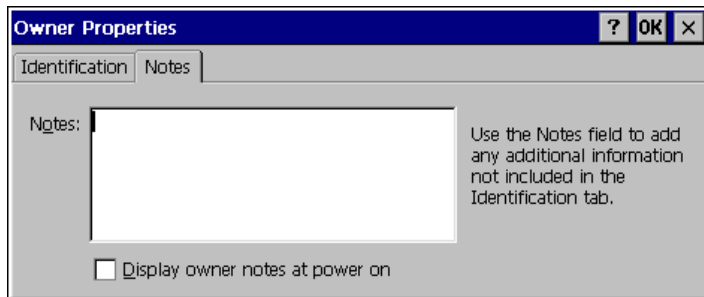
- 1) Identification : You can set the general information of the Owner.



The 'Owner Properties' dialog box has two tabs: 'Identification' and 'Notes'. The 'Identification' tab is active. It contains the following fields:

- Name:** A text input field.
- Company:** A text input field.
- Address:** A large text input area.
- At Power On:** A section containing:
 - ☐ Display owner identification
- Area code:** A text input field.
- Phone:** A text input field.
- Work:** A text input field.
- Home:** A text input field.

2) Notes : You can add any additional information.



The 'Owner Properties' dialog box has two tabs: 'Identification' and 'Notes'. The 'Notes' tab is active. It contains the following elements:

- Notes:** A large text input area.
- Use the Notes field to add any additional information not included in the Identification tab.** (Instructional text)
- ☐ Display owner notes at power on

(8) Password



The 'Password Properties' dialog box has one tab: 'Password Settings'. It contains the following elements:

- Key icon:** A yellow key icon.
- Password:** A text input field with '****' entered.
- Confirm password:** A text input field with '****' entered.
- At Power On:** A section containing:
 - ☐ Enable password protection

You can set password requirements for security while using system. You can set a new password by inputting a password in the **Password** and **Confirm Password**. However, password is only to consist of **4 digit Numerals**.



If you forget your password, you will have to perform a Hard Reset. So be careful not to forget it. All data (including file, DB data) stored in the RAM is lost when a hard reset is performed.

(9) Power

1) Battery : Indicates the kinds and status of the battery currently in use, and also the status of the backup battery.