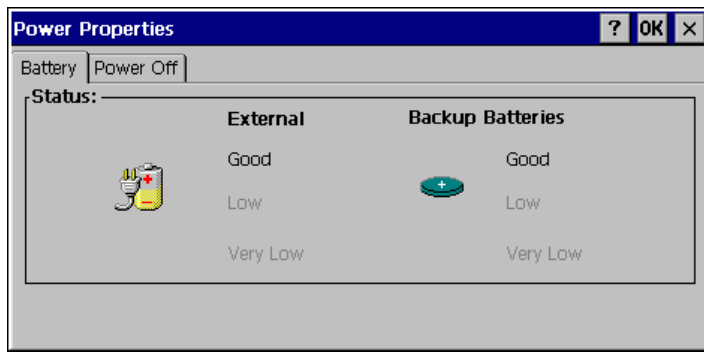
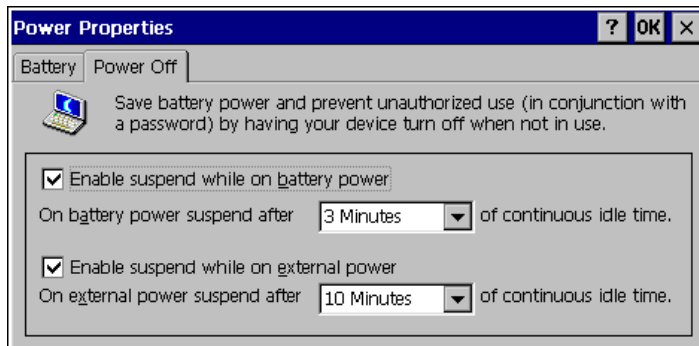


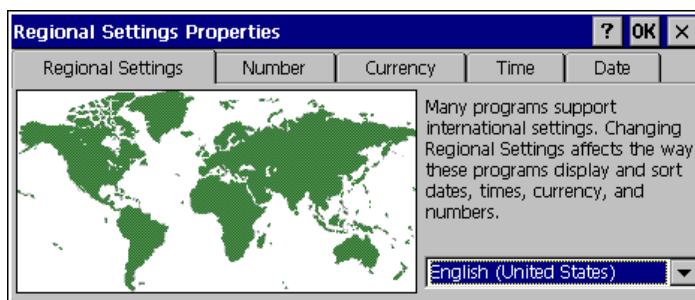


- 2) Power Off : You can set the battery power to automatically suspend after a certain period of continuous idle time to minimize battery drainage.



(10) Regional Settings

- 1) Regional Settings : First choose the national language in order to change program Date, Time, Currency, and Number display forms and how to line up numbers through Regional Settings.



- 2) Number : Set the Number forms used in the system.

Regional Settings Properties [?] [OK] [X]

Regional Settings | **Number** | Currency | Time | Date

Appearance: Positive: 123,456,789.00 Negative: -123,456,789.00

Decimal symbol: .
 No. of digits after decimal: 2
 Digit grouping symbol: ,
 No. of digits in group: 3
 Negative sign symbol: -
 Negative number format: -1.1
 Display leading zeros: 0.7
 Measurement system: U.S.
 List separators: ,

- 3) **Currency :** Set the Currency forms used in the system.

Regional Settings Properties [?] [OK] [X]

Regional Settings | Number | **Currency** | Time | Date

Appearance: Positive: \$123,456,789.00 Negative: (\$123,456,789.00)

Currency symbol: \$
 Position of currency symbol: x1.1
 Negative number format: (x1.1)
 Decimal symbol: .
 No. of digits after decimal: 2
 Digit grouping symbol: ,
 No. of digits in group: 3

x = Universal currency symbol

- 4) **Time :** Set the Time forms used in the system.

Regional Settings Properties [?] [OK] [X]

Regional Settings | Number | Currency | **Time** | Date

Appearance

Time sample: 1:22:54 AM
 Time style: h:mm:ss tt
 Time separator: :
 AM symbol: AM
 PM symbol: PM

- 5) **Date :** Set the Date forms used in the system.

Regional Settings Properties [?] [OK] [X]

Regional Settings | Number | Currency | Time | **Date**

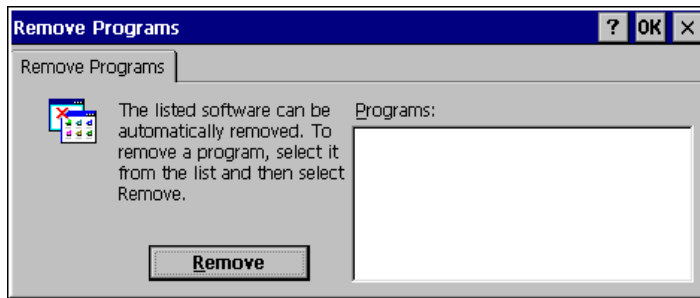
Calendar: Gregorian Calendar

Short Date Format
 Sample: 2/28/01
 Style: M/d/yy
 Separator: /

Long Date Format
 Sample: Wednesday, February 28, 2001
 Style: dddd, MMMM dd, yyyy

(11) Remove Programs

Allows you to delete or uninstall a program no longer in use.

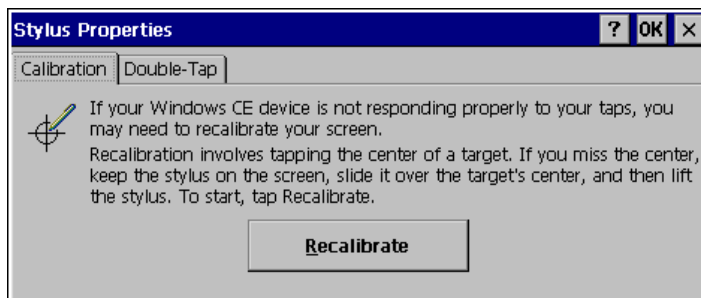


(12) Stylus

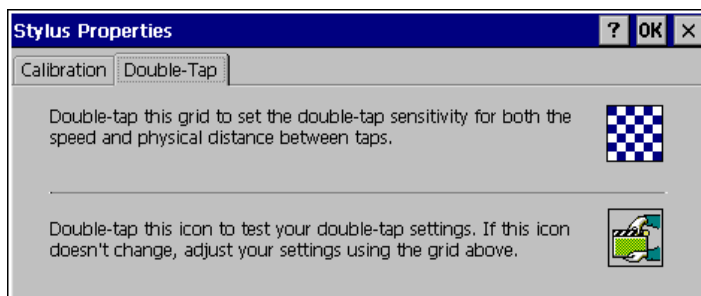
- 1) Calibration : From time to time you may need to recalibrate your PC-EPhone touch screen. Calibration is essential for adjusting your touch screen's recognition sensitivity.



Lightly holding the stylus, tap the exact center of the target (+). The target moves around on your screen in the order of ***“center→upper left→lower left→lower right→upper right”***.

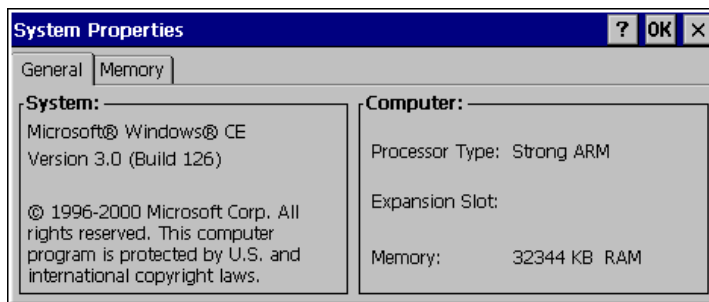


- 2) Double-Tap : You can set the double-tap sensitivity for the speed between taps.

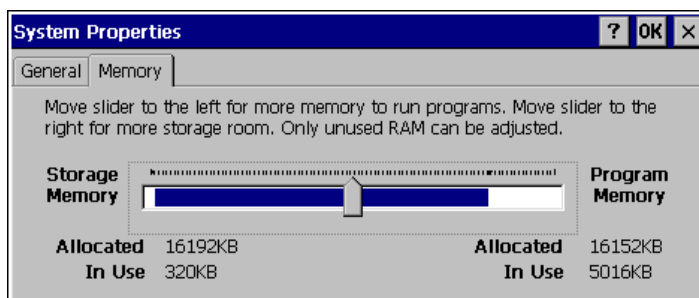


(13) System

- 1) General : Indicates general system information.



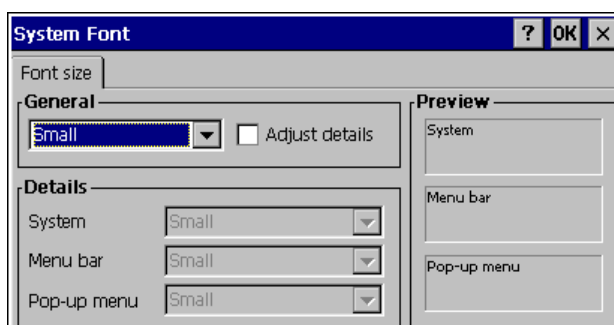
- 2) Memory : Allows you to allocate the memories between storage memory and program memory by using the slider.



Be careful as system operations may be suspended when either the *storage memory* or *program memory* is allocated to the extreme.

(14) System Font

You can adjust system font sizes, and in the Details field, you can adjust the font size of System, Menu bar and Pop-up menu.



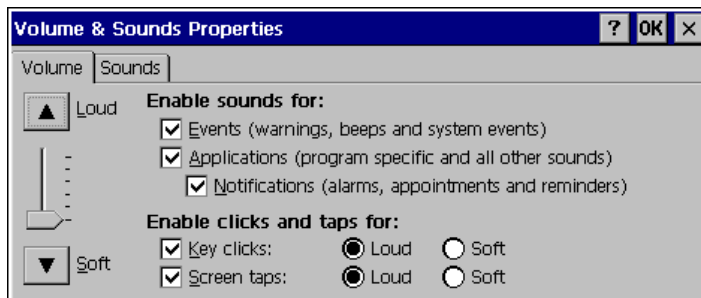
The system will reset after adjusting the System Font, so perform this task after having saved all necessary data.

(15) Volume & Sounds

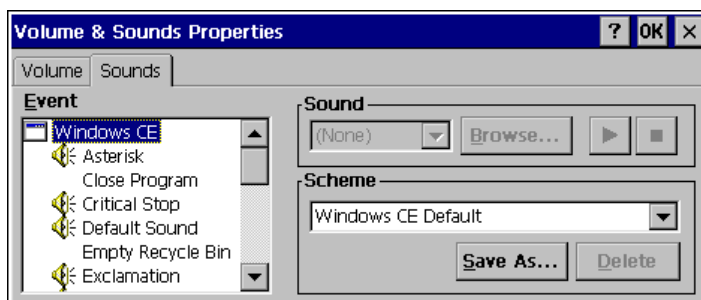
- 1) Volume : Allows you to set the volume of sounds coming through the headset and your PC-EPhone speakers.



In order not to hear the sound coming through speaker when tapping any Hot Keys, clear the **Screen taps** check box.



- 2) Sounds : Allows you to set different sounds associated with different events used in Windows CE.



II. Managing Battery Power

The files or data you have drawn up are saved in your PC-EPhone's volatile RAM, non-volatile IPSM, or in external memory storage card. When your PC-EPhone's battery (Main Battery and Backup Battery) is fully drained out, all data stored in the volatile RAM is lost. This section will inform you of how to manage the batteries to maximize its use and to secure data.

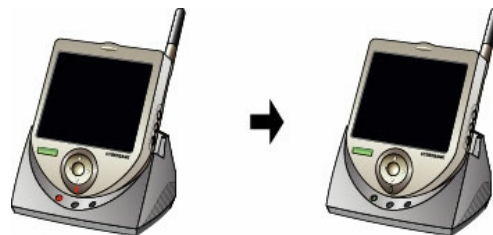
Your PC-EPhone comes with two types of batteries-**Main Battery** and **Backup Battery**. The Main Battery acts as a power supplier when you are using your PC-EPhone, while the Backup Battery supplies your PC-EPhone with the minimum amount of power needed to preserve the data stored in RAM when you are exchanging the Main Battery or when the Main Battery is fully drained.

(1) Charging the Battery

1) Charging the Main Battery

You can charge the main battery using the cradle (charger and desktop connector). The cradle can charge up to two Main Batteries simultaneously. When charging the Main Battery, the color of the first LED from the left indicates the charging status of the battery currently attached to your PC-EPhone. The second LED color represents the charging status of the separate battery. Although it may differ according to the battery charging status, it takes approximately 2 ~ 3 hours to fully charge the Main Battery.

- ▶ **Red:** charging
- ▶ **Green:** fully charged
- ▶ **Yellow:** Stand-by



It takes too long time(about 4 ~ 5 hours) charging PC-EPhone in the state of PC-EPhone ON. In order to charge it quickly, press the Power button on the right side of PC-EPhone to turn PC-EPhone OFF.



A flickering light, while charging, indicates that charging is not taking place properly and that you should reinstall the battery or your PC-EPhone in the cradle. If the light continues to flicker, even after reinstallation, contact the *Customer Support Center* for repairs.

2) Charging the Backup Battery

The Backup Battery is automatically charged when your PC-EPhone is placed in the cradle, and is charged by the Main Battery when your PC-EPhone is removed from the cradle.



As a substantial amount of time (about 24 hours) is required in recharging the Backup Battery, use your PC-EPhone placed in the cradle so the Backup Battery does not become fully drained.

3) Checking the battery's charging status

You can check the Main Battery's charging status in the **CDMA Status Display** () or in the **Control Panel**. The Backup Battery's charging status can be checked in **Power** of the **Control Panel**. In other words, on the **Start** menu, point to **Settings** and tap **Control Panel**, and then tap **Power**, which will show you the remaining battery power.



The battery's charging status may be temporarily displayed differently according to the condition in which it is used. In other words, an amount of electric power is needed when connected to the Internet or during a phone call. In these cases, the battery's charging status will appear to be very insufficient.

(2) Replacing and Installing the Battery

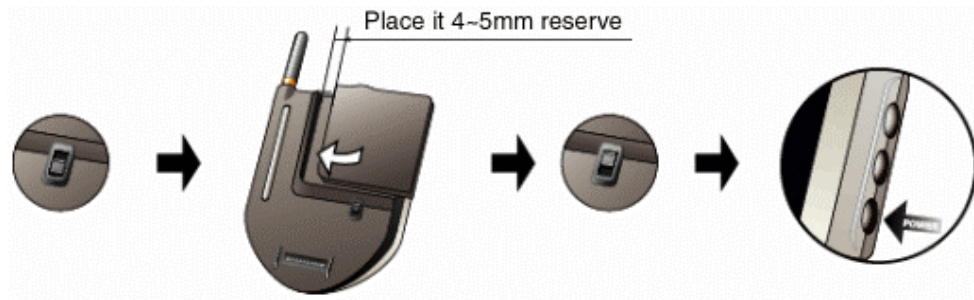
1) How to detach a battery

Switch the **Battery Lock** on the back of your PC-EPhone downwards and slightly slip the battery out.



2) How to install a battery

With switching the **Battery Lock** on the back of your PC-EPhone downwards, place the battery in your PC-EPhone's battery slot leaving a 4 ~ 5mm space. After pushing the battery to the left to click it into place, switch the **Battery Lock** upwards again.



Be careful not to get PC-EPhone's terminal caught when installing the Main Battery in the PC-EPhone. The battery groove can be damaged if excessive force is used.



Place the battery in the battery slot leaving a 4 ~ 5mm space as shown above and then push the battery to the left to click it into place.

(3) When to Replace and Charge the Battery

When the “**Very Low Main Battery**” warning message appears while using your PC-EPhone, replace the battery with a fully charged one or recharge it by placing it in the cradle. If you continue to use your PC-EPhone after the “**Very Low Main Battery**” warning message appears, your PC-EPhone will automatically be converted to the “**Very Low Battery Sleep Mode**” and power will be off. (PC-EPhone's function keys no longer operate in this state.)



When replacing batteries, install the fully charged battery as quickly as possible after detaching the discharged battery. Your PC-EPhone's built-in Backup Battery preserves data for a certain period while you replace a battery with the fully charged one. When in “**Very Low Battery Sleep Mode**”, place your PC-EPhone in the cradle and start charging as quickly as possible. All stored data is lost when the battery is fully drained.

(4) **Battery Maintenance**

In order to maximize the Main Battery's life span and keep it in its best working state, you should follow the tips given below.

- ▶ Charge the Lithium-ion Main Battery in room temperatures. If surrounding temperatures fall below 5°C(or 41°F) or rise over 35°C(or 95°F), you should stop charging.
- ▶ When recharging a new Lithium-ion Main Battery or recharging after a long period of negligence, the charging time and usage time may shorten. This is a characteristic of a Lithium-ion battery, but 4 ~ 5 repeats of Full Discharging / Full Recharging will bring back normal operation.
- ▶ For the Lithium-ion battery to maintain its best performance, you should periodically perform a Full Discharge / Full Recharge.
- ▶ As the Lithium-ion battery is a consumable goods, it does have a set life span. Its battery life will shorten with repeated Recharge / Discharge. Therefore, when usage time falls to half of that when you first used it, you had better purchase and use a new Lithium-ion battery.

(5) **How to effectively use Electricity**

This is how to use your PC-EPhone longer, when supplying power through the Main Battery:

- ▶ Use your PC-EPhone placed in the cradle whenever possible.
- ▶ When supplying power with the Main Battery, you can follow the steps given below to automatically convert your PC-EPhone to the **Sleep mode** after a continuous period of idle time.
 - On the **Start** menu, point to **Settings**, and select **Control Panel**. The Control Panel will be displayed. Tap the **Power** icon on the Control Panel to activate the Power window, then select the **Power Off** tab and set it to the shortest time interval.
 - On the **Start** menu, point to **Settings**, and select **Control Panel**. The Control Panel will be displayed. Tap the **Display** icon on the Control Panel to activate the Display window, then select the **Backlight** tab and set it to the shortest time interval.
- ▶ Make sure all unnecessary sounds are turned off.
 - On the **Start** menu, point to **Settings**, and select **Control Panel**. The Control Panel will be displayed. Tap the **Volume & Sounds** icon on the Control Panel to activate the Volume & Sounds window, then set only the sounds you need.

- ▶ When using your PC-EPhone for extended period of time, place it in the cradle if possible. Especially, Power drainage is severe during **Internet Connection** or **phone Calls**, so it is recommended that you use your PC-EPhone placed in the cradle.
- ▶ Use the **Power** button on the right to put your PC-EPhone into the **Sleep Mode** when not in use.



What is PC-EPhone's Sleep Mode?

It is a state where your PC-EPhone powers off leaving only the minimum amount of power needed, to conserve battery power when not in use. Even when it is turned off, minimum power is supplied to your PC-EPhone in order to maintain memory data.

There are 3 ways to put your PC-EPhone into the “Sleep Mode”:

- ***Automatic Sleep by system settings***
Converts to the “Sleep Mode” according to the idle time set in **Power** of Windows CE **Control Panel**.
- ***Automatic Sleep due to insufficient battery power (Very Low Battery Sleep Mode)***
Converts to the “Sleep Mode” in order to preserve data when the Main Battery is drained.
- ***Automatic Sleep by selecting Suspend on the Start Menu of Windows CE desktop.***
Converts to the **Sleep Mode** when you directly tap **Suspend** on the **Start** menu, using the stylus.



The system does not convert to the Sleep Mode during data communications (Phone program, E-mail) and ActiveSync.

III. Managing and Applying Memory

There are 3 types of memories in the PC-EPhone that you can use: RAM, IPSM, and CF Memory Card.

(1) RAM

RAM is used as storage space where you can store data or files, and as program space. In other words, you can either save data and files or install programs in RAM. RAM memory is mainly used when running a program, so refer to the following directions when using your PC-EPhone for best system performance and safe use.

- 1) When running several programs at the same time, running may slow down due to memory shortage, or when RAM space is being entirely used, your PC-EPhone may not be able to carry out operations properly. Be sure to run only the programs that you need.
- 2) Delete files and data that you do not need right away or store them in IPSM or CF Card memory in order to secure sufficient RAM space needed in running programs.



Since RAM is a volatile memory, all data stored in it is lost when there is no power supply to the PC-EPhone (full drainage of Main & Backup Battery) and when a Hard Reset is performed on the system. Consequently, you should back up your data using Backup Utility from time to time in order to restore lost data.

(2) IPSM(Intel Persistent Storage Management)

IPSM, a non-volatile memory, performs the same role as the hard disk of the desktop PC. As no damage is done to data stored in IPSM even in the event of power shortage or a Hard Reset, you had better copy important data to IPSM and gain security.



Saving and reading speed to and from IPSM's data is slower than those of RAM. So don't install the execution programs in IPSM. Copy frequently used data or data requiring quick speeds onto RAM.

(3) CF Memory Card

CF Memory Card is a device that performs the same functions as the floppy disk of a desktop PC, thus the CF Memory Card can be used to store data when it is installed in

the CF Card slot of your PC-EPhone. And because a CF Memory Card can store data permanently, you can use it to back up data from RAM to safely preserve it. For more information on CF Card use, see the ***CF (CompactFlash) Card section in Chapter 8.***

IV. Resetting Systems

You can get your PC-EPhone back to normal by performing a system reset when it is not operating properly. There are 3 types of system resets : **Soft Reset**, **CDMA Reset**, and **Hard Reset**.

(1) Soft Reset

Performs a Soft Reset when your PC-EPhone operating system suddenly responds slowly or is temporarily out of order. To perform a Soft Reset, press the **Reset** button on the back of your PC-EPhone using the stylus.



When you perform a Soft Reset, you will lose unsaved data in all open documents or programs. Be sure to save all data beforehand.

(2) CDMA Reset

Resets systems and CDMA communications module by detaching the Main Battery from your PC-EPhone's battery slot, and reinstalling it. A CDMA Reset will have the same affects on the system as a Soft Reset, and also will reset the CDMA module. A CDMA Reset may be performed in the following instances.

- ▶ When the system does not operate properly even after performing a Soft Reset.
- ▶ When the CDMA module is not activated, that is, when nothing appears on the **CDMA Status Display** screen.

(3) Hard Reset

You can perform a Hard Reset when the system does not return to proper operation even after performing a Soft Reset and CDMA Reset. To perform a Hard Reset, simultaneously press the **Reset** button on the back of your PC-EPhone with stylus and the **Power** button on the right side, and first lift the stylus from the **Reset** button and then let go of the **Power** button about 0.5 second later. After a Hard Reset, the CYBERBANK logo appears and then gives way to the touch screen calibration.



All data stored in RAM is lost as a result of a Hard Reset, so it is best that you store all RAM data in non-volatile storage devices (IPSM or CF Card, desktop PC hard disk) before performing a Hard Reset.



Your PC-EPhone will automatically perform a Hard Reset when the Main Battery and Backup Battery are both fully drained, in turn resulting in a loss of all stored data and installed programs in RAM.

CHAPTER 4

CONNECTING TO A DESKTOP PC

Connecting your PC-EPhone to a desktop PC enables you to synchronize your PC-EPhone PIMS data(PC-EPhone Calendar, PC-EPhone Tasks, PC-EPhone Contacts) and files with desktop applications data(Outlook 2000) and files, and enables you to Backup and Restore your PC-EPhone data to and from a desktop computer.

Synchronization is the process of comparing data on your PC-EPhone and your desktop PC and updating both computers with the most recent information. As these features are provided through Microsoft ActiveSync with the desktop PC and your PC-EPhone physically connected, you must install ActiveSync on the desktop PC before you connect.



You can get the latest edition of the Microsoft ActiveSync program in the Download Center at Microsoft's Web site (<http://www.microsoft.com>).

With ActiveSync, you can:

- Back up and Restore your PC-EPhone PIMS data and files
- Install and Uninstall programs on your PC-EPhone
- Copy (rather than synchronize) files between your PC-EPhone and desktop PC, and convert file formats
- Synchronize data(Outlook 2000) on your desktop PC with PIMS data(PC-EPhone Calendar, PC-EPhone Contacts, PC-EPhone Tasks) on your PC-EPhone

This chapter includes information on :

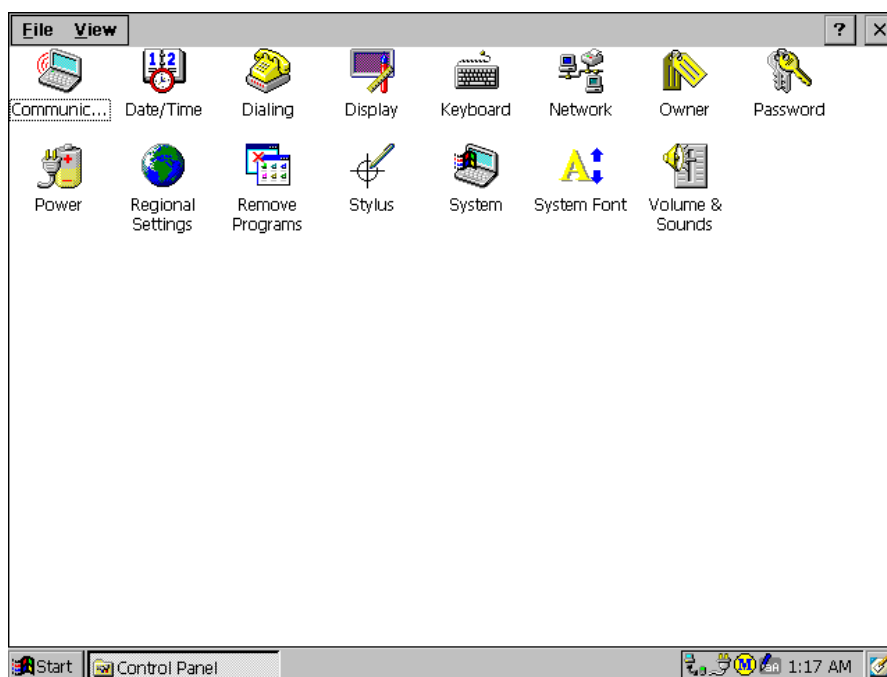
- ▶ **How to install ActiveSync on your desktop PC**
- ▶ **How to establish a Partnership**
- ▶ **How to connect your desktop PC to PC-EPhone**
(Serial Cable, Infrared Port, LAN Card)
- ▶ **How to synchronize data between desktop PC and PC-EPhone**
- ▶ **How to copy files between desktop PC and PC-EPhone**
- ▶ **How to Backup/Restore the data of PC-EPhone**
- ▶ **How to Install/Uninstall a program using ActiveSync**

I. Installing ActiveSync on your Desktop PC

Using Microsoft ActiveSync, you are able to copy or back up PC-EPhone data to your desktop PC or synchronize data between your PC-EPhone and desktop PC.

(1) Installing Microsoft ActiveSync Program

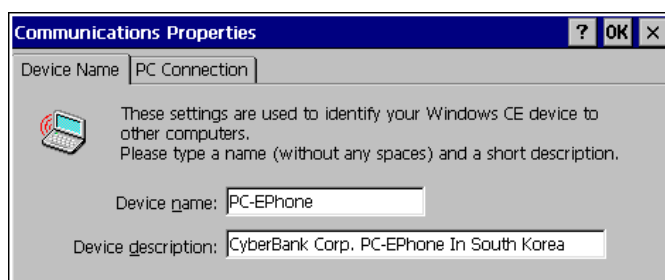
1. On the **Start** button, select **Settings**, point to **Control Panel** to activate Control Panel screen.



2. Select the **Communication** icon to activate the Communication Properties screen. Input in **Device name** box the corresponding names.



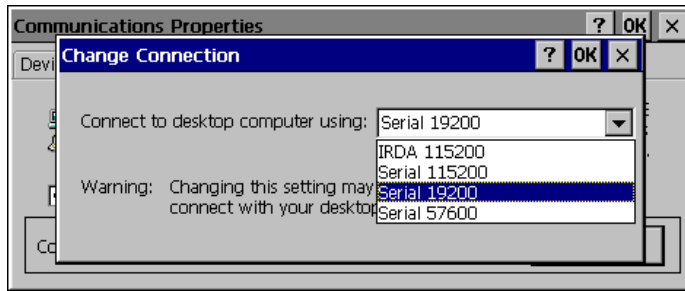
Device name is used in establishing Partnership and set as **PC-EPhone** by default.



3. Tap **PC Connection** tab, the **Change** button to activate the **Change Connection** dialog box. Select **Serial 19200** in the drop-down list box.



PC-EPhone is set as 19200 by default. When Baud Rate is set as 19200, connection to desktop PC is performed by ActiveSync without any problem.

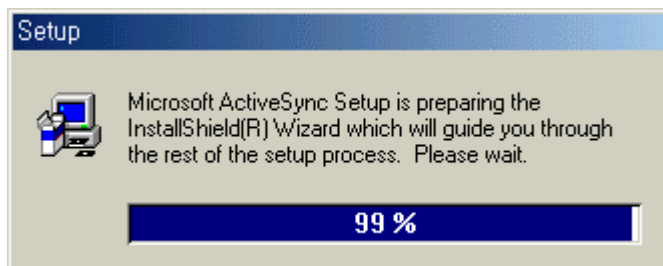


4. Download Microsoft ActiveSync program in your desktop PC.

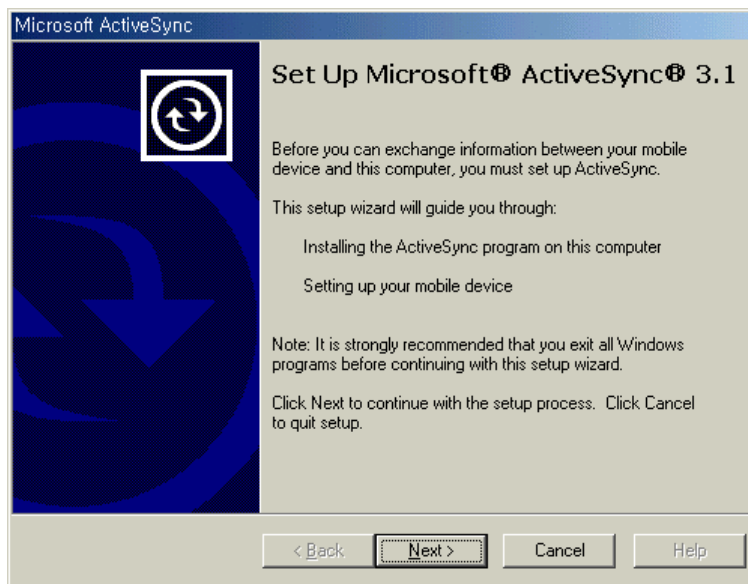


You can download the latest version of Microsoft ActiveSync program from Microsoft Web site (<http://www.microsoft.com/mobile/pocketpc/downloads/activesync.asp>).

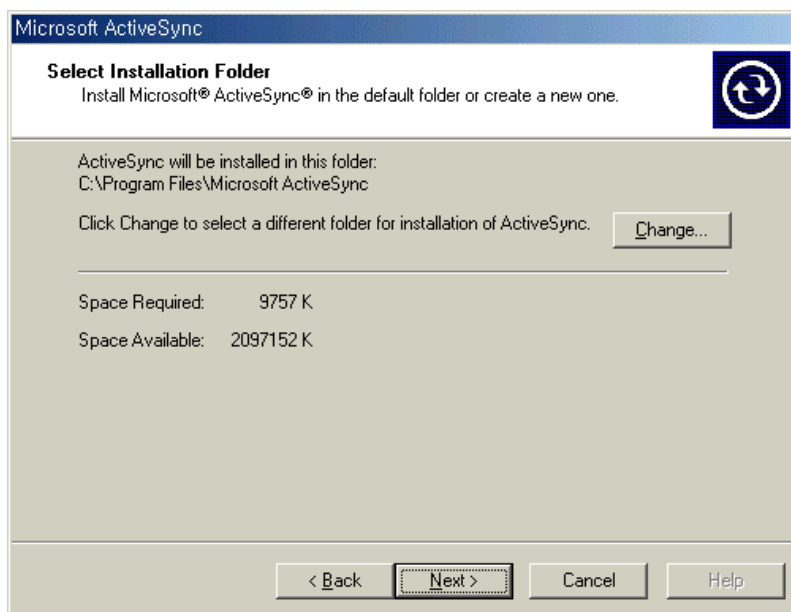
5. Run **msasync.exe** to start the ActiveSync Setup Wizard.



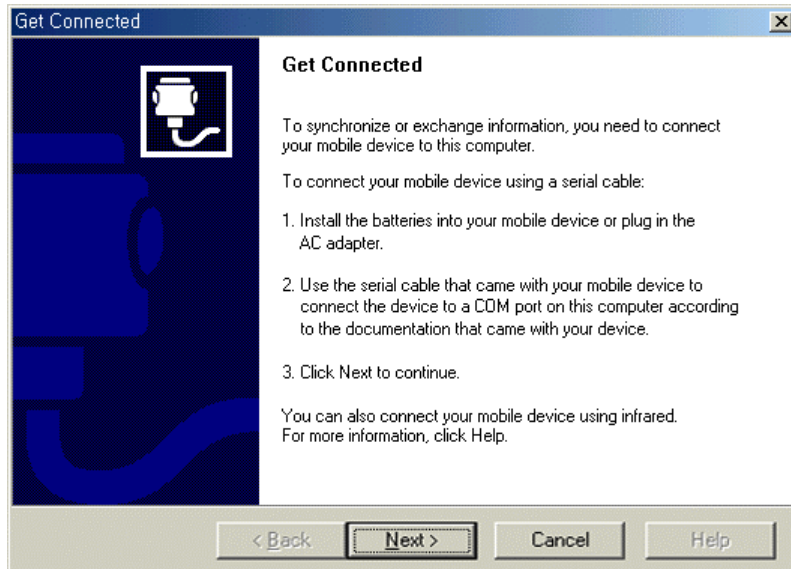
6. After file is copied, tap the **Next** button when the Microsoft ActiveSync window appears.



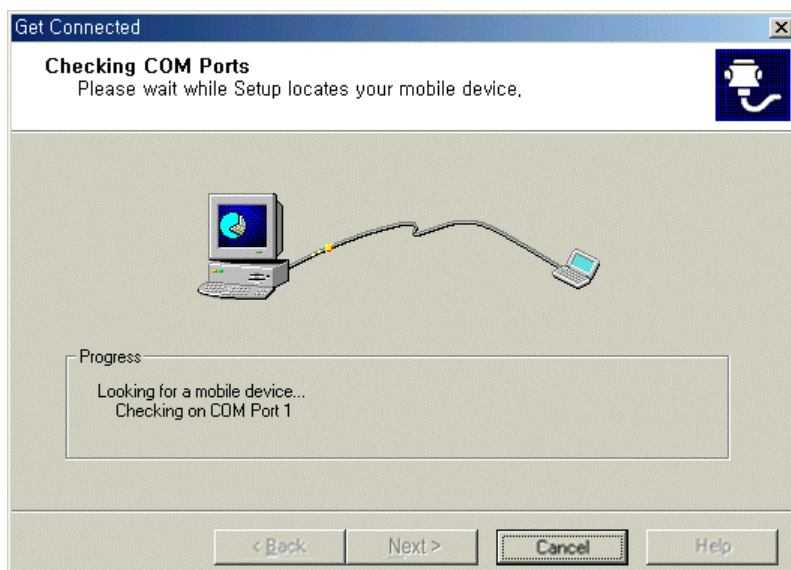
7. Tap **Next** to move on to the next step of the setup process.



8. After the file is copied, a **Get Connected** window is displayed for you to adjust communication settings between your desktop PC and PC-EPhone. Tap the **Next** button.



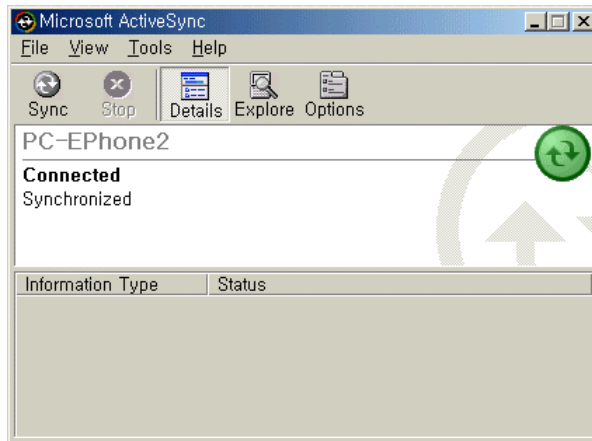
9. Tap the **Next** button to let the setup program check communication ports and automatically attempt a connection between your PC-EPhone and desktop PC.



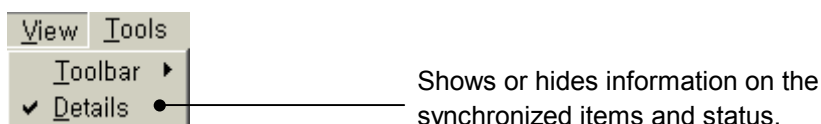
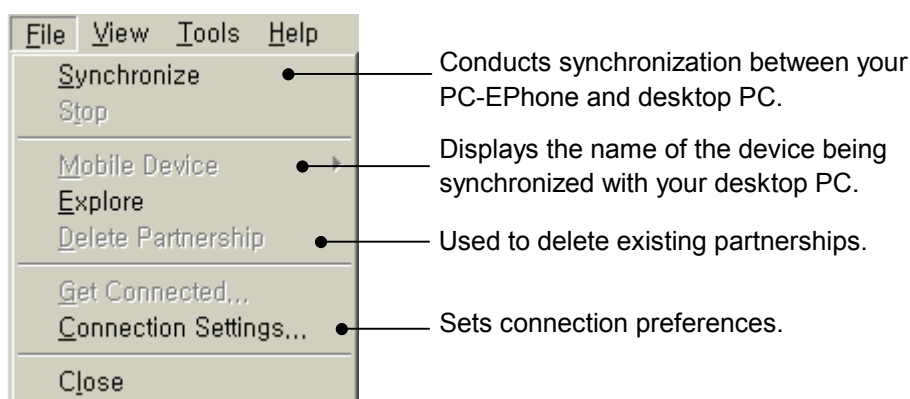
10. If you have already made a physical connection between your PC-Ephone and desktop PC before installing ActiveSync program, a display for establishing a Partnership will appear. (Refer to **Establishing Partnership**)

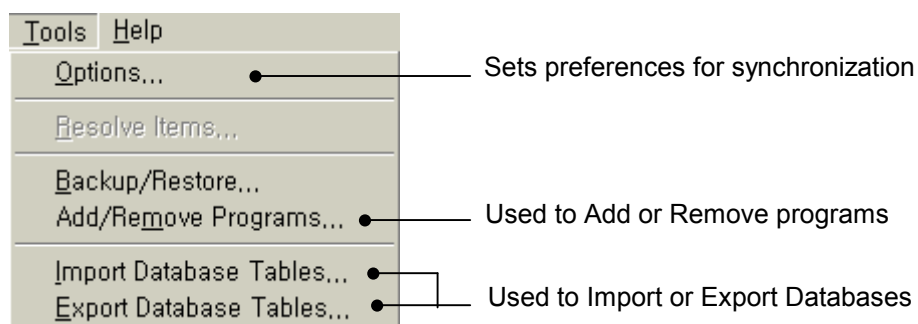
(2) Microsoft ActiveSync Window

Allows you to control Microsoft ActiveSync program and check the connection status. It also shows synchronized items and status.



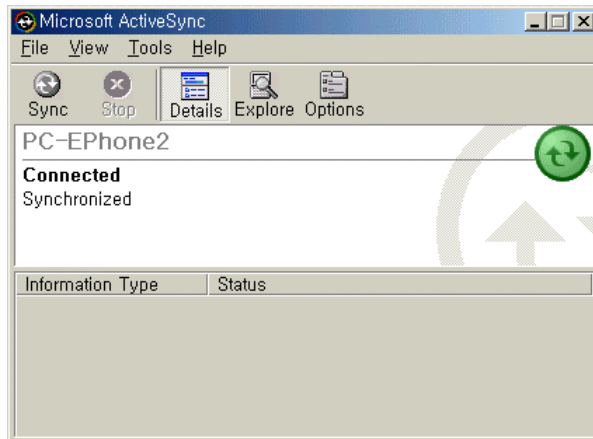
- ▶ **Sync button:** Conducts synchronization between your PC-EPhone and desktop PC.
- ▶ **Stop button:** Used to stop operations during synchronization.
- ▶ **Details button:** Shows or hides information on the synchronized items and status.
- ▶ **Explore button:** Activates the Mobile Device display and enables you to move, copy, and delete files between your PC-EPhone and desktop PC.
- ▶ **Options button:** Activates a window for setting synchronization options.





II. Establishing Partnership

1. When you place your PC-EPhone in the cradle, ActiveSync is automatically run on your desktop PC and the ActiveSync screen is activated.

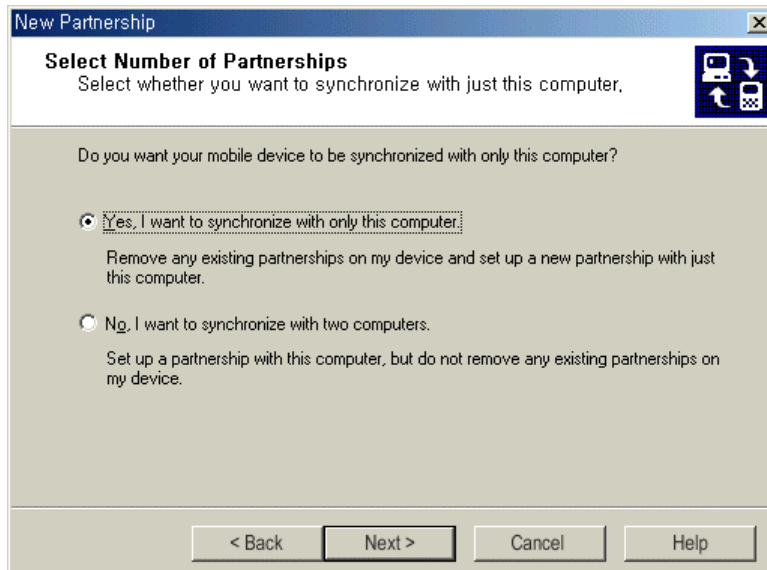


Because PC-EPhone is set as 19200bps by default, it is recommended to change speed into 115200bps. (Refer to *Installing ActiveSync* for more information on communication speed)

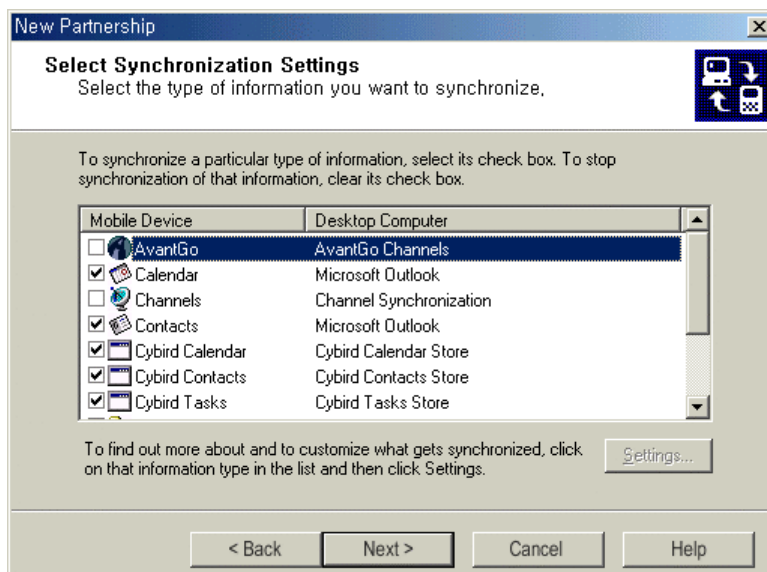
2. The **New Partnership** screen appears.



3. Tap the **Next** button to activate a series of Partnership screen.



Select **YES** to connect to one desktop PC, **NO** to connect to two desktop PCs, then tap **Next**.

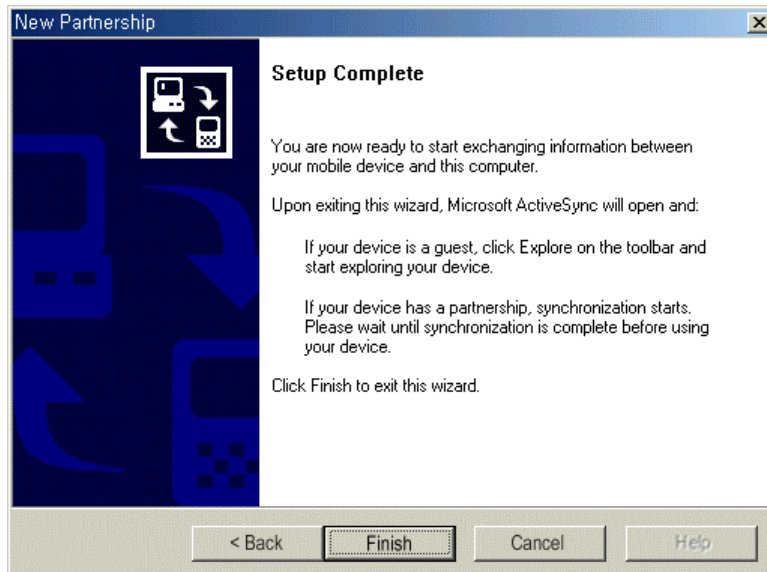


Select the items you wish to synchronize.



Be sure to select PC-EPhone Calendar, PC-EPhone Tasks, PC-EPhone Contacts as items to synchronize.

When you have made your selection, tap **Next**.



4. Tap **Finish** and a partnership is established as the Microsoft ActiveSync screen is displayed.



A desktop PC can establish partnerships with several Windows CE base Palm-size PCs, while one Windows CE base Palm-size PC can establish partnerships with up to two desktop PCs.

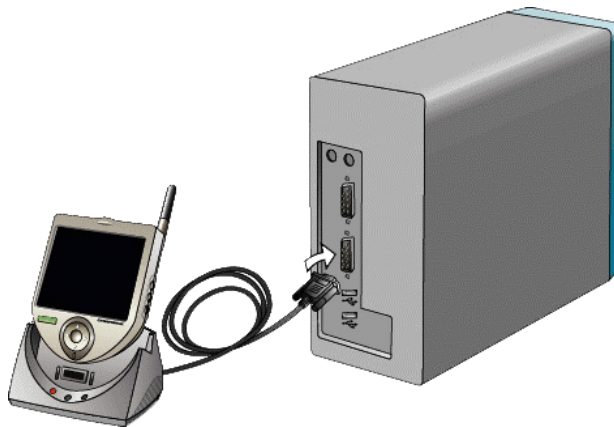
III. Connecting your desktop PC to PC-EPhone

There are 3 ways to connect your PC-EPhone to your desktop PC.

- ▶ Connection using the docking cradle's serial cable
- ▶ Connection using the Infrared Port
- ▶ Connection using a LAN

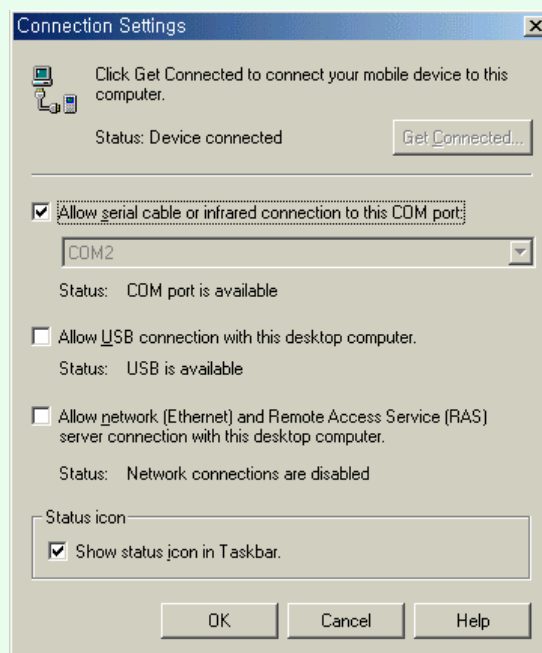
(1) Connection using the docking cradle's serial cable

1. Connect a power source to the cradle.
2. Connect the serial cable attached to the cradle to the serial port of your desktop PC.
3. Place your PC-EPhone in the cradle. When you place your PC-EPhone in the cradle connection to the desktop PC is attempted automatically.



If automatic connection does not occur, check the following points.

- ① Check power connection to the cradle and the serial cable connection to the desktop PC.
- ② Select **Connection settings** on the **File** menu in the desktop PC's ActiveSync window. Check to see that the "**Allow serial cable or infrared connection to this COM port**" field is selected in the Connection Settings window and that the correct COM port is assigned. In other words, check "**Status: COM Port is available**". If the assigned COM is unavailable, connect after setting the desktop PC's COM port. For information on setting COM ports, see your desktop computer's manual or Help.



(2) Connection using the Infrared Port

PC-EPhone's infrared port enables you to perform a wireless connection to your notebook without cables or a cradle. Most laptop PCs manufactured recently support infrared communication. To connect your PC-EPhone to one of these laptop PCs and execute communication, you must first install an infrared port on the notebook PC and set preferences. (See the **“Setting PC-EPhone and desktop PC preferences”** section in Installing ActiveSync) For detailed information, see the notebook manufacturer's manual or Help.



For infrared communication, there must not be any obstruction between the Notebook and the PC-EPhone, and the distance between the two IR ports must be under 1m. Also, you must align the IR windows of the two devices so that they are aimed directly at one another.



If connection fails, check the following points.

- ① Check the distance between the Notebook and your PC-EPhone and check if their IR windows are directly aimed at one another.
- ② Select **Connection Settings** on the **File** menu of your laptop's ActiveSync window. Check to see that the **“Allow serial cable or infrared connection to this COM port:”** field in the Connection Settings window is set at **“Infrared Port (IR)”** and that the correct IR port is selected. In other words, check **“Status: COM port is available”**. If the assigned port is unavailable, connect after setting the laptop's IR port. For information on setting IR ports, see your computer manual or Help.



(3) Connection using a LAN

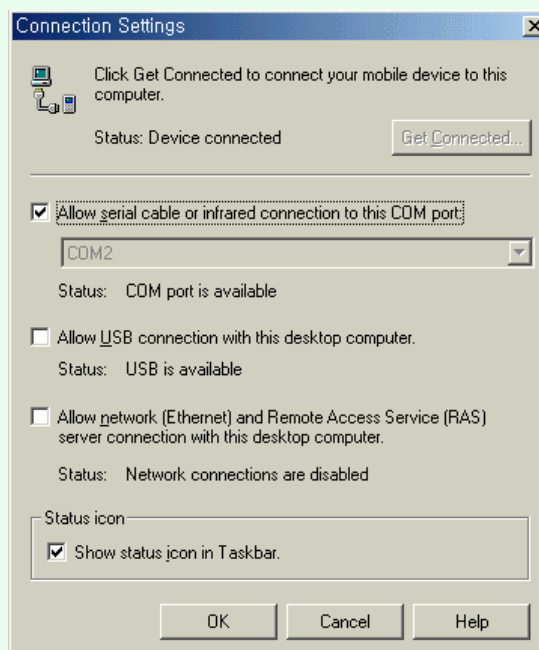
PC-EPhone can connect to a desktop PC or a network using “**NE2000 compatible Ethernet Driver**” & “**PROXIM Ethernet Driver**” compatible CF Type II LAN Cards.

1. Insert the CF Type II LAN card in the CF Card slot on the upper part of your PC-EPhone.
2. Connect the LAN card connection terminal to a LAN.
3. Decide whether you are going to import an IP address from the server using DHCP or assign an IP address for your PC-EPhone. When assigning an IP address, be sure to assign the correct IP address with help from the network administrator.



If connection using a LAN Card fails, check the following points.

- ① Check to see if the CF Type II LAN Card was properly installed on your PC-EPhone.
- ② Check to see that the LAN connector is properly connected.
- ③ Select **Connection settings** on the File menu of your desktop PC's ActiveSync window. Check to see that the “**Allow network (Ethernet) and Remote Access Service (RAS) server connection with this desktop computer**” field on the **Connection Settings** screen is selected and that the network status is properly set. In other words, check “**Status: Network is available**”. If network is unavailable, reconnect your PC-EPhone after checking the desktop PC network status and connecting your desktop PC to the network.



IV. How to Synchronize data and Disable Synchronization

By synchronizing your PC-EPhone and desktop PC, you can compare data in both devices and maintain the most recent data. You can synchronize PC-EPhone Calendar, PC-EPhone Contacts, PC-EPhone Tasks and files on your PC-EPhone.

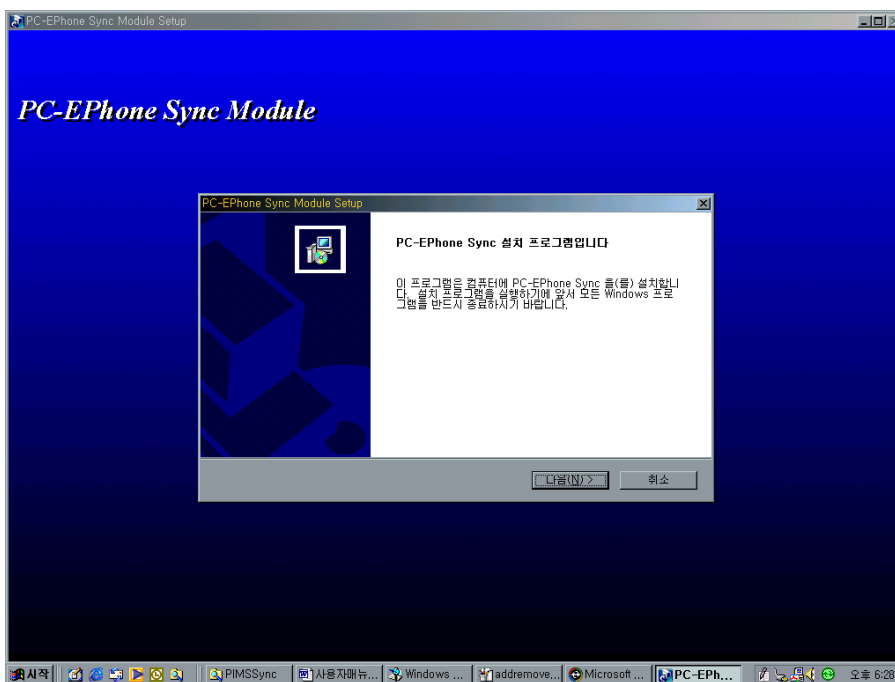
(1) Installing PIMSSync program

1. Run **Setup.exe** needed in PIMS data synchronization with PC-EPhone from PIMSSync program of PC-EPhone Software CD.



If Microsoft ActiveSync program is running, after disabling it, install PIMSSync program.

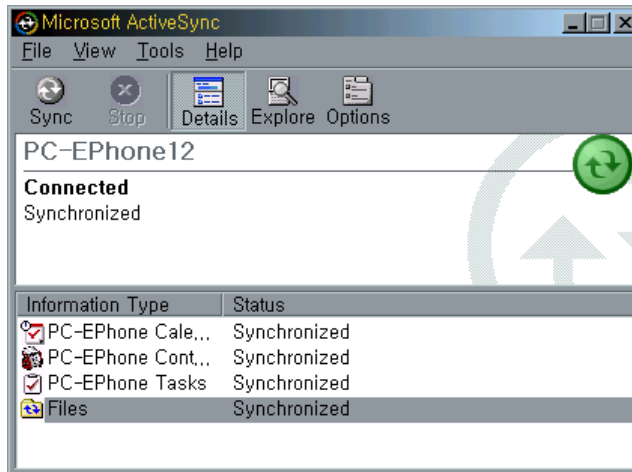
2. The PIMSSync installation wizard starts.



3. After PIMSSync installation, connect to desktop PC through ActiveSync. Tap the **Options** icon, and select PC-EPhone Calendar, PC-EPhone Tasks, PC-EPhone Contacts and files as items to synchronize.

(2) Synchronizing

When you connect your desktop PC and PC-EPhone using one of the methods given in the **Connecting your desktop PC and PC-EPhone** section of this chapter, synchronization is automatically processed.



You can add items for synchronization when establishing partnerships or in the *Options* on the *Tools* menu in the ActiveSync window. For information on establishing partnerships, see the “*Establishing Partnerships*” section in this chapter.



You can see the synchronization status by tapping the *Details* button in the Microsoft ActiveSync window. Files synchronization is performed between My Documents\Synchronized Files of desktop PC and My Computer\My Documents\Synchronized Files of PC-EPhone.

(3) Disabling Synchronization

You can disable synchronization by removing your PC-EPhone from the cradle, by powering off your PC-EPhone, or by disconnecting the serial cable. When using infrared ports, you can disable synchronization by separating the desktop PC’s IR port from your PC-EPhone so that they maintain a distance of over 1m.

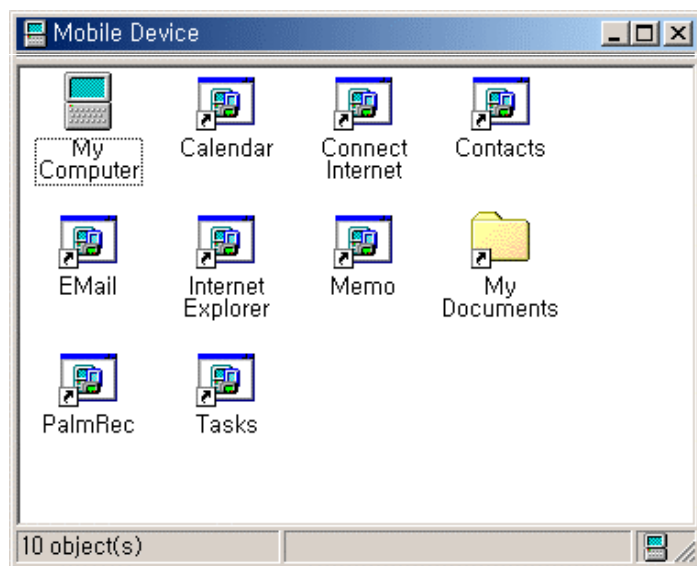


As your PC-EPhone is sensitive to its surroundings, you must place your PC-EPhone tightly in the cradle so that your PC-EPhone is connected to the cradle connection pin.

(4) Viewing PC-EPhone contents on your desktop PC

You can view PC-EPhone contents on your desktop PC through ActiveSync when your PC-EPhone is already connected to your desktop.

Tap the **Explorer** button on the ActiveSync window or tap **Explorer** on the **File** menu, and the Mobile Device dialog box appears.

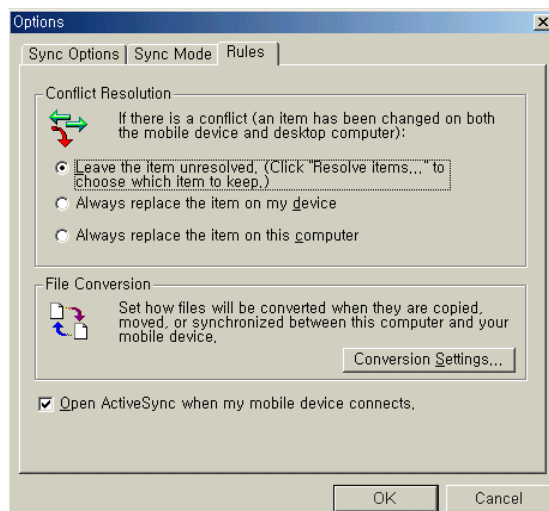


V. How to copy files between your desktop PC and PC-EPhone

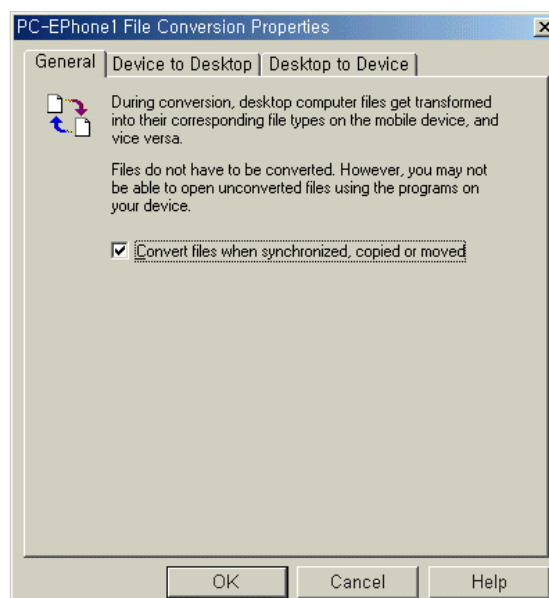
You can copy files between your desktop PC and PC-EPhone by **dragging the icons** from the Mobile Device window, or by using **Cut**, **Copy**, and **Paste** on the **Edit** menu.

When files are copied, moved, and synchronized between your PC-EPhone and desktop PC, file conversions are set in the following manner.

1. On the **Tools** menu in the ActiveSync screen, select **Options**, and then select the **Rules** tab.



2. When you tap the **Conversion Settings...** button, the File Conversion dialog box appears as shown below.



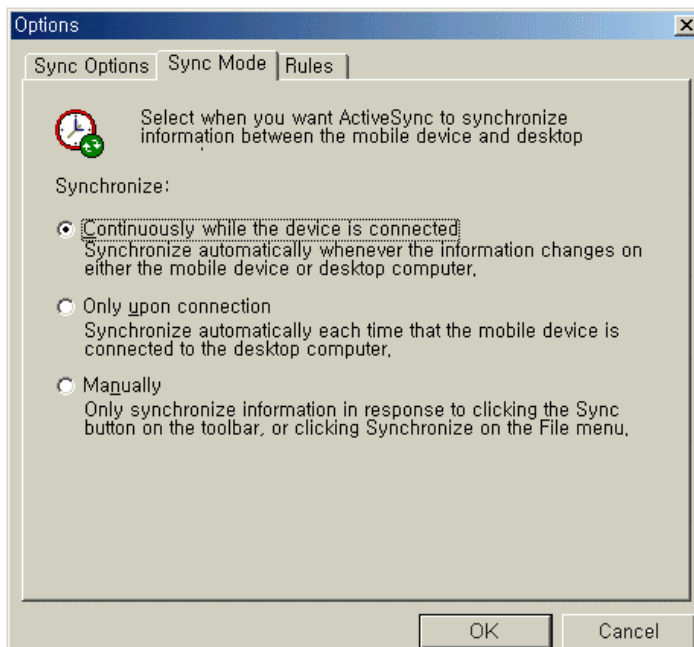
3. Check the **“Convert files when synchronized copied or moved”** box, and after selecting the **Device to Desktop** tab or **Desktop to Device** tab to modify pertaining data, tap **OK**.

VI. How to Backup/Restore PC-EPhone Data

In order to prevent data loss, you had better back up data stored in your PC-EPhone from time to time. When using ActiveSync to back up data, the files, Databases, and all programs stored in your PC-EPhone RAM are backed up. Backup files are saved in your desktop PC.

Backing up occurs automatically or manually when your PC-EPhone and desktop PC are connected. The following instructions will take you through the setup.

1. On the ActiveSync screen, tap **Options** on the **Tools** menu and then tap the **Sync Mode** tab.



2. After selecting a desired option, tap the **OK** button.



For more information on data Backup/Restore, see the *“Backing up and Restoring using ActiveSync”* section in chapter 5.

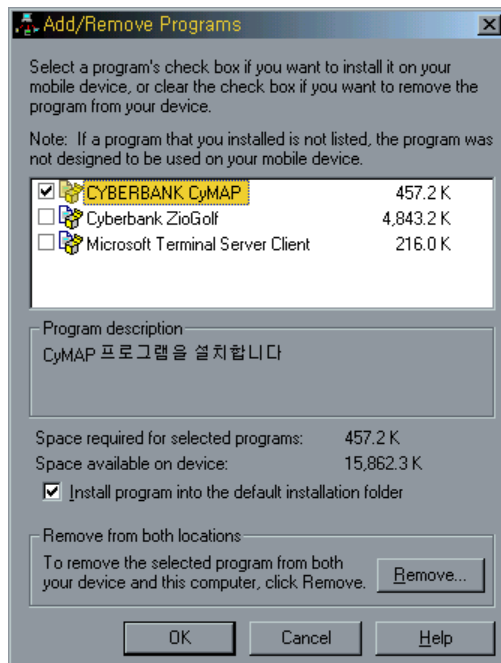
VII. Installing/Uninstalling Programs using ActiveSync

Microsoft ActiveSync enables you to install new programs or uninstall programs on your PC-EPhone.

(1) Installing Programs

You are able to install new programs through Microsoft ActiveSync.

1. Download a new program using ActiveSync with your desktop PC and PC-EPhone connected.
2. Run the Setup.exe file of the downloaded program to activate the Add/Remove Programs dialog box as shown below.



3. Tap the **OK** button to install the program. After installation is completed, the dialog box appears as shown below and the new program is added.



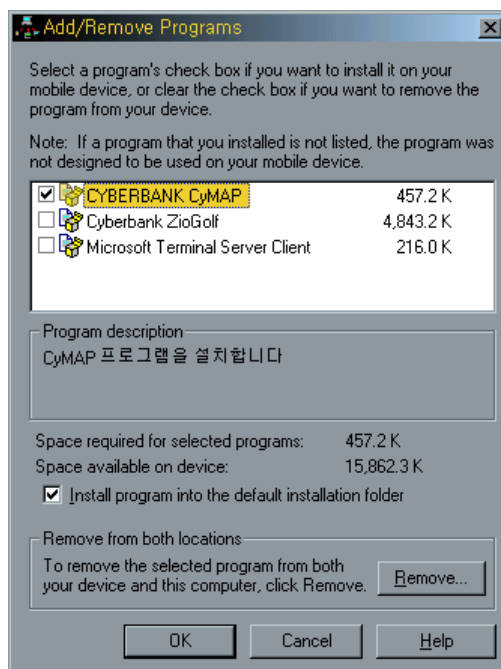
You can also perform installation through the *Add/Remove Programs* menu on the *Tools* menu in the ActiveSync screen. For more information, see Microsoft ActiveSync Help.

(2) Uninstalling Programs

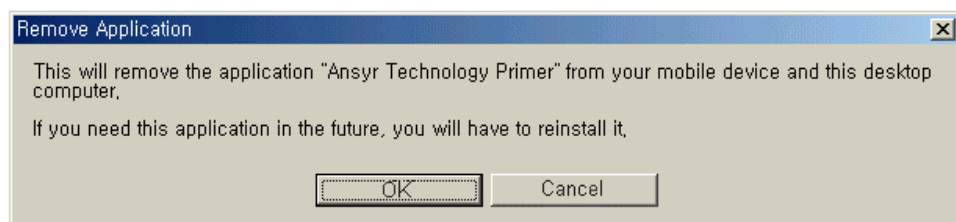
Along with adding programs, ActiveSync enables you to uninstall programs that you currently do not use. The steps to uninstalling a program are as follows:

1) Uninstalling from desktop PC

1. On the Microsoft ActiveSync screen, tap **Add/Remove Programs** on the **Tools** menu and the programs installed in your PC-EPhone are displayed as shown below.

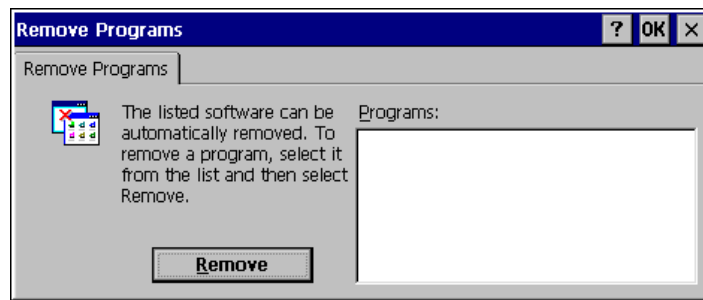


2. Check the box next to the program to be uninstalled, tap the **Remove...** button, then the following dialog box appears. Tap the **OK** button to proceed with uninstallation, and tap the **Cancel** button to cancel uninstallation.



2) Uninstalling from PC-EPhone

1. On your PC-EPhone's **Start** menu, point to **Settings**, then tap **Control Panel**, and the settings window appears. When you tap the **Remove Programs** icon, the Remove Programs dialog box appears.



2. After selecting the program to be uninstalled, tap **Remove** and the program is uninstalled.

CHAPTER 5

BACKING UP AND RESTORING DATA

PC-EPhone's storage memory consists largely of volatile memory RAM and IPSM & CF card of non-volatile memory Flash ROM. When the power source is disconnected, all data stored in volatile memory is lost, so it is best that you back up your PC-EPhone data frequently. As for the non-volatile memory IPSM, data loss may occur when your PC-EPhone is damaged so it is also recommended that you back up your data to devices(desktop PC or CF card) other than your PC-EPhone.

This chapter gives you information on the various ways to back up and restore data outlined below. It has gathered information that is dispersed all throughout this manual into one place.

► **Full Backup/Restoring to a desktop PC**

You can fully back up and restore data and program files, system settings data, and database files that are stored in the RAM of your PC-EPhone to your desktop PC using ActiveSync.

► **Backup/Restoring to CF Card and IPSM**

You can fully back up data stored in the RAM of your PC-EPhone to a CF Memory Card or PC-EPhone built-in IPSM, which are non-volatile storage memories, rather than to your desktop PC.

► **Backup/Restoring by File**

Instead of performing a full backup, you can back up selected files stored in your PC-EPhone to a desktop PC using ActiveSync or to a CF Memory Card or IPSM using your PC-EPhone's Windows explorer.

I. Backing up and Restoring Data to Your Desktop PC

You can back up files created on your PC-EPhone, database, PIM data and programs installed in RAM to your desktop PC using Microsoft ActiveSync, and restore them when needed.

Backup can either be performed automatically when your PC-EPhone is connected to your desktop PC, or manually whenever needed. Also, you can back up updated or new data only or choose to back up the entire lot.



Automatic backup is only possible when a Partnership is established with a desktop PC. Only a manual backup is possible when the partnership is established as *Guest*.

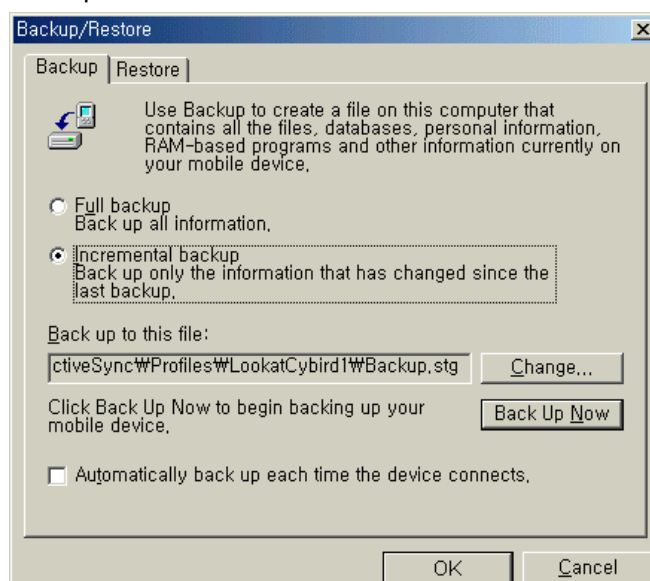


As security is not set up for backup files stored in the desktop PC, you had better use other security for your backup files if necessary.



For more information on Backup/Restoring to a desktop PC, see Microsoft ActiveSync Help.

- 1) Automatic Backup
 1. Connect your PC-EPhone to desktop PC.
 2. Tap **Backup/Restore** on the **Tools** menu of the ActiveSync screen to activate the Backup/Restore screen.



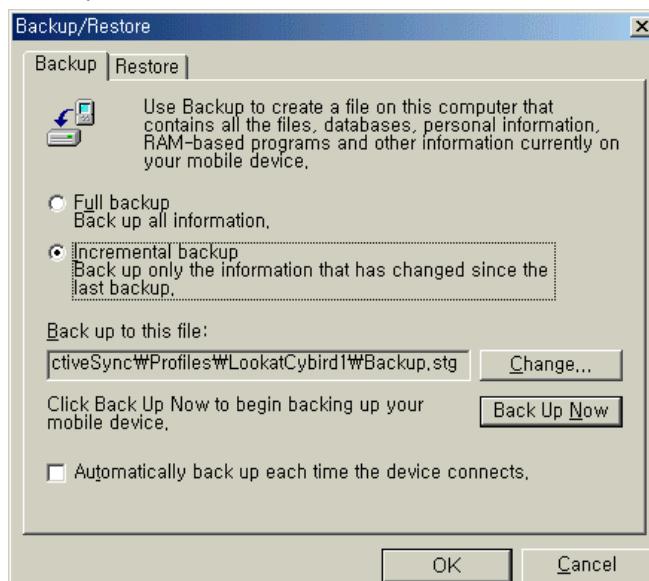
3. Select “**Automatically back up each time the device connects**”.
4. If you wish to use a backup file other than an existing one, tap “**Change ...**” and select a file.
5. Select “**Full backup**” or “**Incremental backup**” according to your needs.
6. Tap “**Back Up Now**” to start backup, or perform backup the next time you connect.



Do not remove your PC-EPhone from the cradle during a backup.

2) Manual Backup

1. Connect your PC-EPhone to desktop PC.
2. Tap **Backup/Restore** on the **Tools** menu of the ActiveSync screen to activate the Backup/Restore screen.



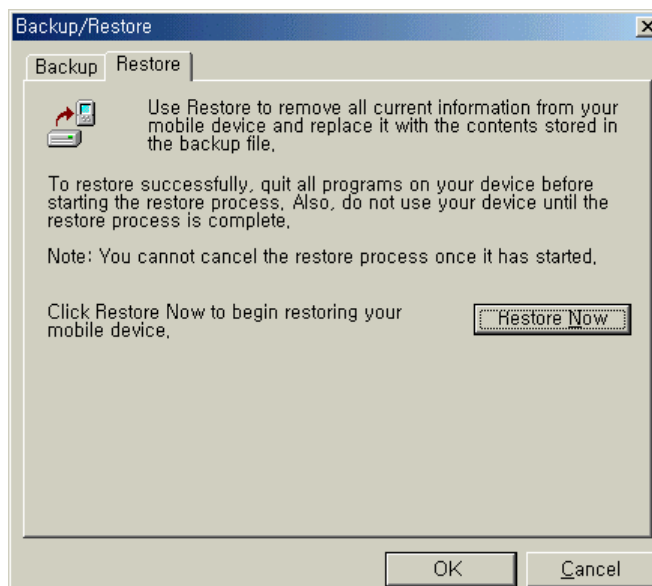
3. Clear “**Automatically back up each time the device connects**”.
4. Select “**Full Backup**” or “**Incremental Backup**” according to your needs.
5. Tap “**Back Up Now**”.

3) Restore



As newly installed programs or new files created on your PC-EPhone since your last backup will be lost during restoration, you had better move them to your *desktop PC* or to *IPSM* folder before you restore data.

1. Connect your PC-EPhone to desktop PC.
2. Close all programs running on your PC-EPhone.
3. Tap **Backup/Restore** on the **Tools** menu of the ActiveSync screen, and select the **Restore** tab.



4. Tap "**Restore Now**".



Do not use your PC-EPhone until Restoring is complete.

5. When Restoring is complete, perform a **Soft Reset** on your PC-EPhone.

II. Full Backup and Restoring to a CF Memory Card

You can fully back up PC-EPhone files, database and programs you have installed, using ActiveSync to a CF Memory Card instead of to a desktop PC.

1) Backing up to a CF Memory Card

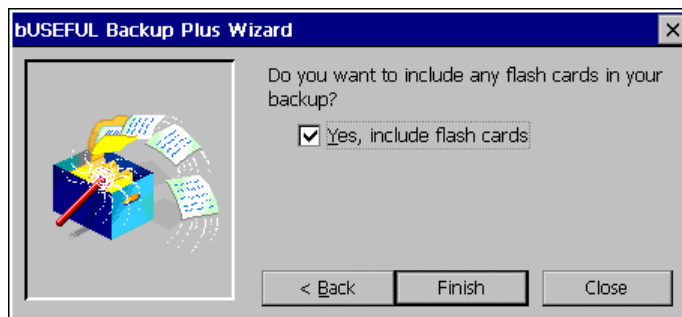
1. On the **Start** menu, point to **Programs, Accessories**, then tap **Backup & Restore** and the **bUSEFUL Backup Plus Wizard** is activated. (When the “**Show Backup/Restore Wizard on startup**” option is selected in the **Other** tab of **Options** on the **Tool** menu.)



2. Select “**Back up your device**”, then tap **Next** and the **bUSEFUL Backup Plus Wizard** screen appears.



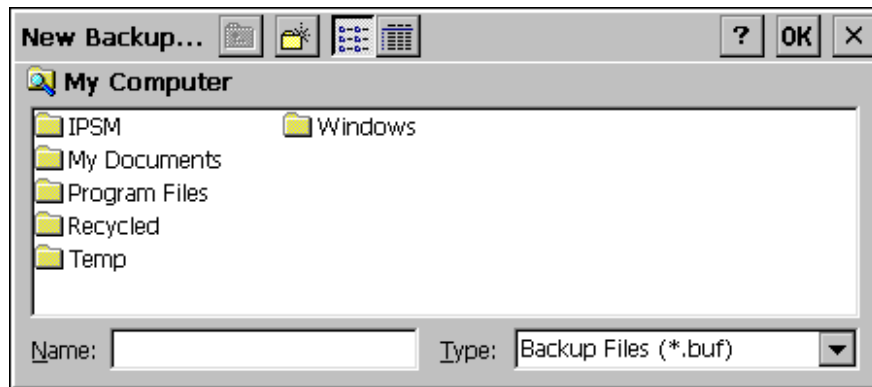
3. Select which items you wish to back up. (A case of backing up all files is given as an example here.)



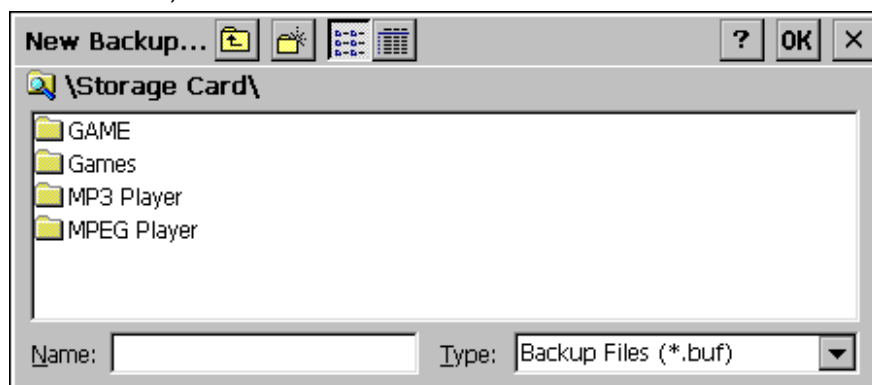
4. When you tap the **Finish** button, the **Backup Details** screen appears.



5. Tap the **Browse** button to select the location and name of file to which you are going to perform a backup, and the **New Backup** screen appears.



6. Select the **Storage Card** folder. (You can additionally select a subordinate folder as shown below.)



7. Type in the **file name**, tap the **OK** button, and you are taken back to the **Backup Details** screen. If you wish to use a **password**, check the box next to “**Password protect this backup**” and input a password. Tap the **OK** button to proceed with the backup.



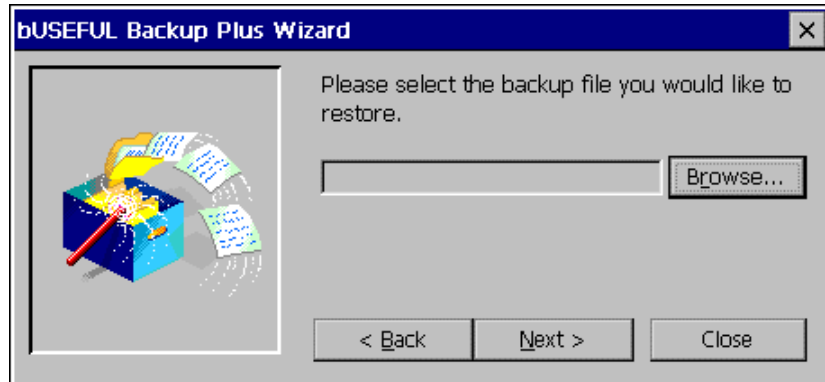
8. When the backup process is finished, check the contents of the backup in the **bUSEFUL Backup** screen.

2) Restoring from a CF Memory Card

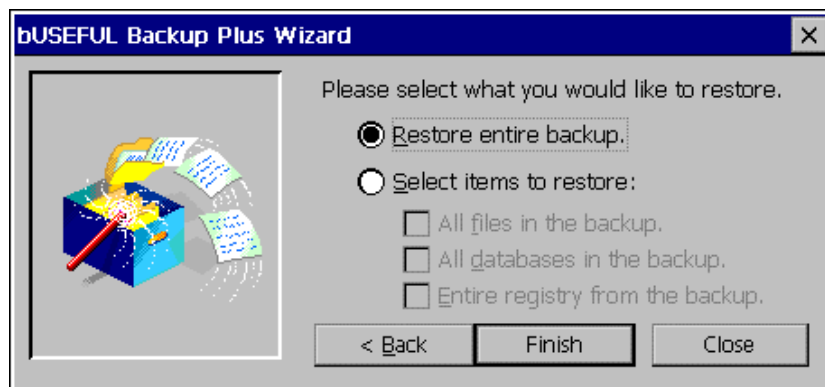
1. On the **Start** menu, point to **Programs, Accessories**, then tap **Backup & Restore** and the **bUSEFUL Backup Plus Wizard** is activated. (When the “**Show Backup/Restore Wizard on startup**” option is selected in the **Other** tab of **Options** on the **Tool** menu.)



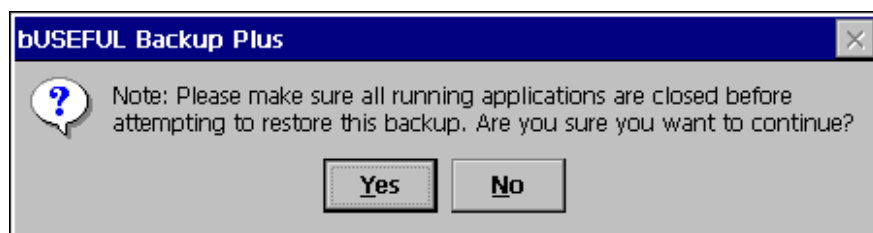
2. Select **Restore your device from a backup**, then tap **Next**, and the **bUSEFUL Backup Plus Wizard** screen appears.



3. Tap the **Browse...** button and select a backup file. Tap **Next**.



4. Select which items you wish to restore. (A case of restoring all files is given as an example here.)



5. Tap the **Yes** button to proceed with the Restoring process.

3) Backing up selected file, Database, and Registry

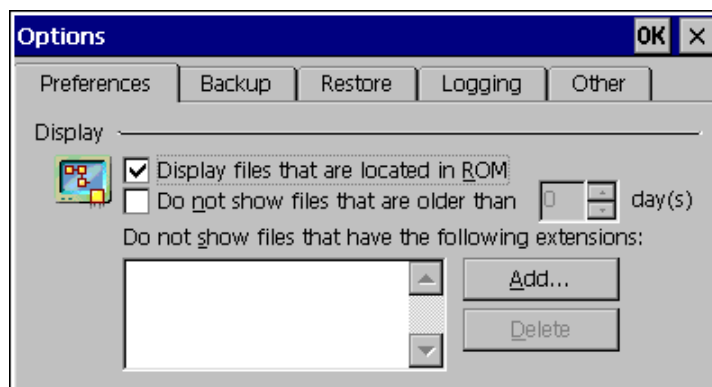
1. On the **Start** menu, tap **Programs**, **Accessories**, then **Backup & Restore** and the **bUSEFUL Backup Plus Wizard** is activated. (When the “**Show Backup/Restore Wizard on startup**” option is selected in the **Other** tab of **Options** in the **Tools** menu)
2. Close the Wizard screen by tapping **Close**, and then select from DB or registry in the file or system folder of your choice in the file selection window on the left. Tap **Start Backup** under the **File** menu to activate the **Backup Details** screen.



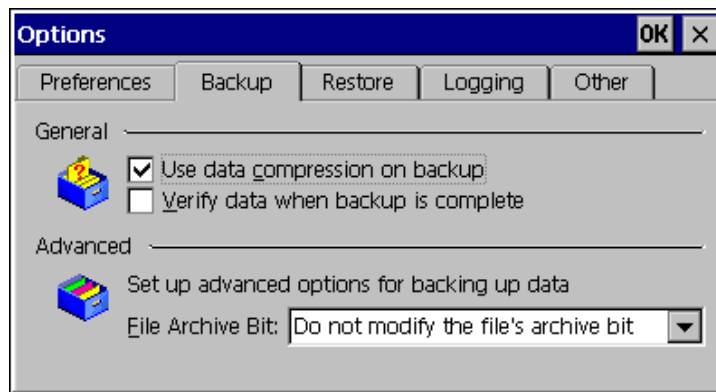
From hereon, refer to the **Backing up to a CF Card section**.

4) Setting Backup/Restore Options

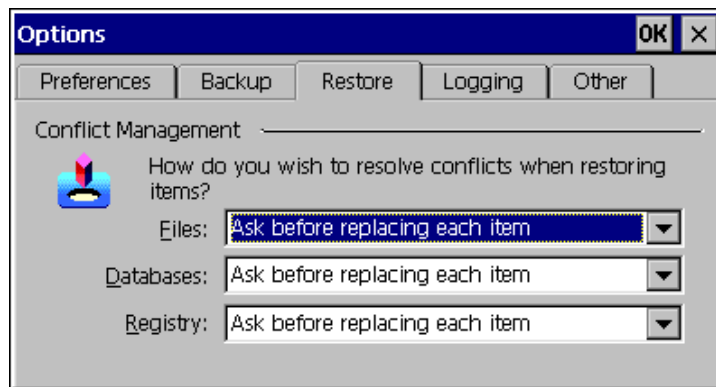
1. On the **Start** menu, tap **Programs**, **Accessories**, then **Backup & Restore**, and the **bUSEFUL Backup Plus Wizard** is activated. (When the “**Show Backup/Restore Wizard on startup**” option is selected on the **Other** tab in **Options** on the **Tools** menu.)
2. Tap **Close** to close the Wizard screen, and tap **Options** on the **Tools** menu to activate the **Options** screen.



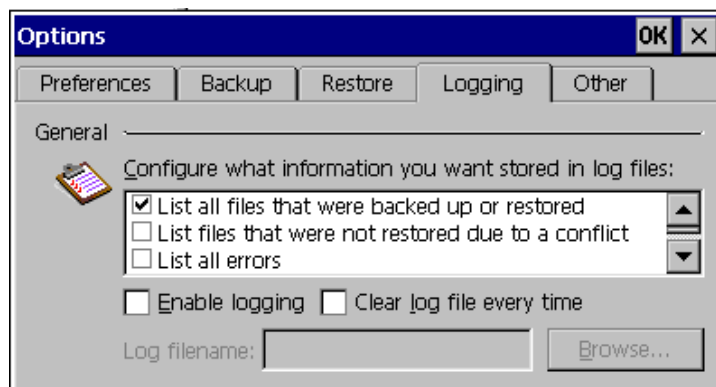
In the **Preference** tab, select “**Display files that are located in ROM**” to display the files stored in ROM and select “**Do not show files that are older than**” along with a time period to prevent files that are older than a certain time period from being displayed.



In the **Backup** tab, select “**Use data compression on backup**” when using a compressed file in backup, and select “**Verify data when backup is complete**” when you want to check backup after completion.



The **Restore** tab enables you to set resolutions to conflicts that may occur during restoration, for Files, Databases, and Registries.



In the **Logging** tab, select “**Enable logging**” to activate log file settings, and select “**Clear log file every time**” otherwise.