

DOT 400

User's Guide

V 400.1.0k

Copyright Notice

Copyright © 2003 D.O.Tel Co., LTD. All Rights Reserved.

No part of this document may be transcribed, adapted, transmitted, reproduced, or translated into any language without the prior written consent of D.O.Tel Co., LTD ("D.O.Tel")

The information contained in this document is provided "as is" and is subject to change without prior notice.

D.O.Tel makes no warranty of any kind with regard to this User 's Guide, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

The programs contained in this product are copyrighted and all rights are reserved. Reproduction, adaptation, or translation of those programs without prior written permission of D.O.Tel is also prohibited.

Microsoft, ActiveSync, Windows, the Windows logo, and the Windows CE.NET logo are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or in other countries. Microsoft products are licensed to OEMs by Microsoft Licensing Inc., a wholly owned subsidiary of Microsoft Corporation.

All other trademarks referenced in this document and product are trade names, service marks, trademarks, or registered trademarks of their respective owners.

D.O.Tel Co., LTD.

Marketing Division

2F, Chunma Bldg., #1, Samsung-Dong Kangnam-Gu, Seoul, Korea
135-863

Tel: 82 2 3438 3636

Fax: 82 2 3438 3637



1. Do not attempt to modify the device in any way. This may result in fire, injury, electrical shock or severe damage to your device.
2. Do not use the device in the vicinity of flammable or explosive gases, as this may increase the risk of explosion.
3. Do not operate the device with wet hands. This may pose a risk of electrical shock to you or your device.
4. Do not leave the device in places subject to direct sunlight and extremely high temperatures such as a closed vehicle. Exposure to extreme temperature may adversely affect the internal components and cause fire.
5. For safety reasons keep the device out of reach of children or animals to prevent:
 - a. Dropping the device which may result in damage,
 - b. Swallowing stylus pen, and
 - c. Injury caused by the stylus pen.In case of accidents, consult a doctor immediately.
6. Use only the dedicated battery charger. Other battery charger may result in fire or injury.



1. Do not expose the device to extreme high temperatures or humidity. This may cause critical damage to your device
 2. Avoid strong impact to the device, such as dropping the device from high position. This may cause severe damage to your device. To avoid severe damage, use this device with the outside leather case.
 3. For the first time to use the device, use it after charging the battery fully.
-

Contents

1. Welcome	1
2. Introducing DOT 400	3
3. Getting to Start	11
4. Connecting to Desktop PC	14
Installing ActiveSync 3.5	15
Connecting to Your Desktop PC Using the USB Sync Cable or Docking Cradle.....	18
Setting Up a Partnership	19
Installing the USB Driver	23
5. Overview of Microsoft Windows CE.NET	29
Main Window	30
Taskbar	32
6. Setting Up DOT 400	38
Regional Settings.....	39
Date/Time	40
Network and Dial-up Connections.....	42
Display	45
Volume & Sounds	46
Owner Information.....	48
Stylus Pen	49
System	51
Password.....	53
Certificates	54
Internet Options.....	55
Input panel.....	57
Storage Manager	58
Power	59
Dialing	61
Removing Programs	62
PC Connection.....	63
7. Using Personal Information Managers	64
Today	65
Inbox.....	67
Calendar	74
Contacts	83
Tasks	87
Notes.....	92
PIMs Backup	96

8. Using Application Software	102
Calculator	102
Viewer	103
9. Using Utility Programs.....	104
Menus.....	105
Backlight	106
Buttons	106
Volume	107
Alarm	107
Task Manager.....	108
Touch Protector	108
10. Using Microsoft Applications.....	109
Command Prompt	109
Microsoft Media Player	109
Internet Explorer	113
Microsoft WordPad	118
Transcriber	126
Windows Explorer	138
Microsoft MSN Messenger.....	142
Microsoft RDP	148
Appendix A.....	154

1. Welcome

Congratulations on purchasing D.O.Tel DOT 400, a Windows CE.NET-powered, palm-sized PC. DOT 400 is designed to allow you to keep your important business and personal information up-to-date and handy.

DOT 400 employs the newest operating system, Windows CE.NET. Windows CE.NET lets you experience Windows XP skins and functions, making important tasks easy and quick to access.

The various applications in DOT 400 lets you organize your daily life, enjoy multimedia functions and games, check your E-mail, and access the Internet anytime, anywhere.

Microsoft ActiveSync increases DOT 400's capabilities, allowing you to synchronize information from your desktop or laptop computer with DOT 400.

In this chapter, you will find:

1. A list of the DOT 400 package
2. An overview of this User's Guide

DOT 400 Package

Your package includes the following:

1. DOT 400 PDA
2. User's Guide
3. USB Sync Cable or Docking Cradle
4. Battery Charger
5. ActiveSync 3.5 CD-ROM
6. DOT 400 Bundled CD-ROM
7. Stylus Pen

How to Use This User's Guide

This user's guide is designed to provide information you need to use DOT 400 PDA easier and faster.

The information contained in this document is subject to change without notice for product improvement or specification change.

2. Introducing DOT 400

DOT 400 is a Windows CE.NET Operating System-based, palm-sized PC, powered by a Intel PXA 255 and equipped with a 16-bit color TFT-LCD display.

The “Microsoft Windows” logo provided by Microsoft Corporation is for the Embedded Systems devices running on a Microsoft Windows operation system. It should follow the logo specifications of Microsoft Corporation.

This Chapter will help you be familiar with your DOT 400. You will be introduced to DOT 400 hardware features and input functions. You will also learn how to connect DOT 400 to the battery charger and how to use the input button. You will be able to use your DOT 400 easily and comfortably.

This chapter will introduce you to the following:

1. Overview of DOT 400
 2. Input Button Functions
 3. Reset Button Functions
 4. Function Buttons
 5. USB Sync Cable or Docking Cradle
-

Overview of DOT 400

The illustrations below introduce various buttons, ports, and other features of DOT 400:



CF Type I Expansion Card Slot: You can expand the external memory by inserting the CF Type I Memory Card to the CompactFlash slot. You can also expand application functions by inserting the CF Type I application module card such as Ethernet, Modem, and Wireless LAN.

SD/MMC Card: You can expand the memory by inserting SD/MMC card.

IrDA Port: The Infrared port enables you to exchange files and data with other devices without wires or cables.

USB/Serial Port: The USB or Serial port enables you to transfer or receive files and data with your Desktop PC. To transfer files

and data, you must have ActiveSync installed on the Desktop PC. You can also connect your DOT 400 to other devices such as barcode scanners, GPS, CCD cameras, and image scanners using the serial ports.

Status LED: indicate the status of your DOT 400.

LED notifications are as follows:

LED status	Description
Red flash	Very low battery
Orange flash	Charging (when connected to the battery charger)
Orange	Fully charged (when connected to the battery charger)
Green Flash	Alarm triggered

Input Button

DOT 400's hardware functional buttons and other interfaces are as follows:

Hardware Input Functions		
Input	Operation	Function
Power Button	Press	Device on/off
	Press-and-hold	Backlight on/off
Jog Dial	Up/down	Moves up or down/Volume up or down
	Press	Runs selected function
Voice Record Button	Press	Runs Notes (when Notes is not running)
		Runs Notes (when Notes is not running)
Navigation Button	Press	Moves up, down, left, and right
Cancel Button	Press	Cancels the current function or returns to the previous menu.
Function Buttons	Press or Press-and-hold	Runs the functions registered. Pressing-and-holding the Function button runs the alternative function. Every Function button has two different functions, and the user can assign his or her favorite programs to each Function button
Reset Button	Click	Software reset
	Press-and-hold plus Click	Hardware reset (press-and-hold for more than 4 seconds, and then click the reset button again)

Note !

Press: A short press (click) for about 1 second

Press-and-hold: A long press for about 4 to 5 seconds

Power Button: To save the battery power while you are not having any task with your DOT 400, press the Power button quickly. DOT 400 shifts to the Sleep Mode and the LCD screen becomes off. Pressing the power button again turns DOT 400 back in the normal operation mode. (when a password is registered, the password window will pop up, and the main screen can be displayed only when the password is correctly entered).

Pressing-and-holding the Power button will turn off the LCD backlight of DOT 400. Press-and-hold the power button again to turn the LCD backlight on.

Voice Record Button: Press the Voice Record button to run Notes or record voices and sounds. Pressing Voice Record button once will run Notes. To proceed with recording voices or sounds, press Voice Record button again while Notes is running. To stop recording, press the Voice Record button again.

Jog Dial: The functions of Jog Dial consist of the Scroll-up, Scroll-down, and Enter function. You can navigate between the icons on the desktop with the Scroll-up/down button and select the highlighted icon (or item). The Jog Dial is also used to control volume in the voice recorder and Windows Media Player.

Navigation Button: The Navigation button consists of Up, Down, Left, Right navigation. You can select an icon or item on the desktop and navigate within a document by pressing the Navigation button.

Cancel Button: The Cancel button functions just like the Esc key in a PC. You can use this button to close programs currently in use or undo earlier executions.

Reset Button

Software Reset: If you have any unexpected problems with your DOT 400 software, click the Reset button on the bottom of your DOT 400. Then you will see the initial display screen. The screen will display the Microsoft Windows CE.NET logo, and it will display the main window (If you have set your own password, the password input window will be displayed. Once you enter the correct password, DOT 400 will display the main window). In the Software Reset mode, only currently running programs will be closed. Although you may lose the current data or files, the data and files saved previously will not be affected.

Hardware Reset: When there is a serious problem with DOT 400 which cannot be fixed by software reset, you must restart DOT 400 by hardware reset. Press-and-hold the Reset button for more than 4 seconds to cut off the power supply of DOT 400. And then click the Reset button again, DOT 400 enters into Hardware Reset Mode and loads images in Flash ROM to SDRAM. In four or five seconds, the D.O.Tel company logo and progress bar will start to appear. You can check the loading status with this progress bar. After the images are loaded, the main window appears.



1. When performing software reset, be aware that clicking the Reset button for more than 1 second may trigger hardware reset..
 2. In the hardware reset mode, all data, files, programs, and PIMs data created in DOT 400 or transferred from your desktop PC will be erased. To avoid data loss from unexpected problems, it is recommended to backup all data and files created in DOT 400 to desktop PC, and PIMs data to Flash ROM or CF Flash Memory card (for more information, see PIMs Backup).
-
-

Function Button

You can run the programs previously configured quickly by pressing or pressing-and-holding each function button. The programs of below table are assigned to each function button by default setting. Users can reconfigure this default setting. For more information, refer to **9. Using Utility Programs**.

Function Buttons		
Buttons	Function1 (Press)	Function2 (Press & Hold)
	Calendar	Inbox
	Tasks	Backlight
	Today	Task Manager
	Contacts	PIMs Backup
REC	Notes	Touch Screen Lock

USB Sync Cable

The USB sync cable supports the connection to your PC via the USB port.

For more details, refer to **4. Connecting to Your Desktop PC**

To connect, follow these steps:

1. Connect the USB sync cable to the USB port of your desktop PC.
 2. Connect the 24-pin connector of the other end to the I/O connector of DOT 400.
 3. For charging, connect the DC plug of the charger to the jack of DOT 400.
-

Docking Cradle

The docking cradle of DOT 400 provides an external power connection and an USB port connection.

To connect your DOT 400 to the docking cradle, follow these steps:

1. Connect the DC Jack of battery charger to the docking cradle.
2. Connect the DC plug of battery charger to the electrical outlet.
3. Connect the USB cable or the docking cradle to the USB Port of your desktop PC.
4. Place your DOT 400 on the docking cradle. Synchronize with your desktop PC.

For more details about the synchronization with the desktop PC, refer to **4. Connecting to Your Desktop PC.**

The following illustration shows how to connect your DOT 400 to the docking cradle:



<USB sync cable connection>



<Docking cradle connection>

3. Getting to Start

This chapter describes how to use DOT 400 for the first time.

Follow the steps below:

- 1. Click Reset Button:** When using your DOT 400 for the first time, the battery is disconnected. Tapping the Reset button with the stylus pen automatically connects the battery to the device. In four or five seconds, DOT 400 enters into Hardware Reset Mode and loads images in Flash ROM to SDRAM. The D.O.Tel company logo and progress bar will start to appear. You can check the loading status with this progress bar. After the image loaded, Calibration control screen will appear.



- 2. Connect to the battery charger:** Connect the battery charger to the DC jack of your DOT 400, an orange LED light flashes. For your safety, charge your DOT 400 until the LED light stays at orange. It takes approximately three hours to charge DOT 400 fully when its battery is empty. You can still use your DOT 400 while charging



You may lose all data and files if the battery is completely discharged. To avoid losing data, you must prevent the battery from being completely discharged, using the Power Saving Mode. If the notification LED blinks red, or the Battery Low message appears in the display, charge the battery with the battery charger before using the device.



3. Set up Stylus: When DOT 400 starts, you will see the Welcome Wizard (Welcome Wizard appears after the hardware reset). The welcome Wizard aligns your touch screen. Press-and-hold the + mark with your stylus pen until the + mark moves to the next position, then press the + mark again. When you complete all the procedure, DOT 400 will automatically display the main screen. Now, you can work with your DOT 400.



4. Connect DOT 400 to your desktop PC: To synchronize the files and data on DOT 400 with the information on your desktop PC, connect your device to the desktop PC with the USB sync cable or docking cradle. And then, run the ActiveSync on your desktop PC. For more information, refer to **4. Connecting to Your Desktop PC.**

5. Insert CF Type I expansion card for additional functions:

Memory, LAN, modem, wireless LAN card can be inserted into the CF Type I extension slot.

4. Connecting to Desktop PC

For more data and files management and sharing, you will need to connect your DOT 400 to a desktop PC or a notebook PC. This chapter introduces how to connect, synchronize, and transfer data and files between DOT 400 and a desktop PC. This Chapter will show you how to:

1. Install Microsoft ActiveSync 3.5 on your desktop PC
 2. Connect DOT 400 to your desktop PC with the USB cable or docking cradle
 3. Set up a partnership between DOT 400 and your desktop PC
 4. Install USB driver
 5. Browse files on DOT 400 from your desktop PC
 6. Transfer files between DOT 400 and your desktop PC
-

Installing ActiveSync 3.5

ActiveSync 3.5 must be installed on your PC to synchronize between DOT 400 and your PC. Microsoft ActiveSync 3.5 is included in the bundled CD-ROM which comes with DOT 400. And you can also download it from

<http://www.microsoft.com/mobile/pocketpc/downloads/activesync35.asp>.

If you want to use ActiveSync 3.7 or the higher version of it, you can download it from the Microsoft Web Site site.

System Requirements

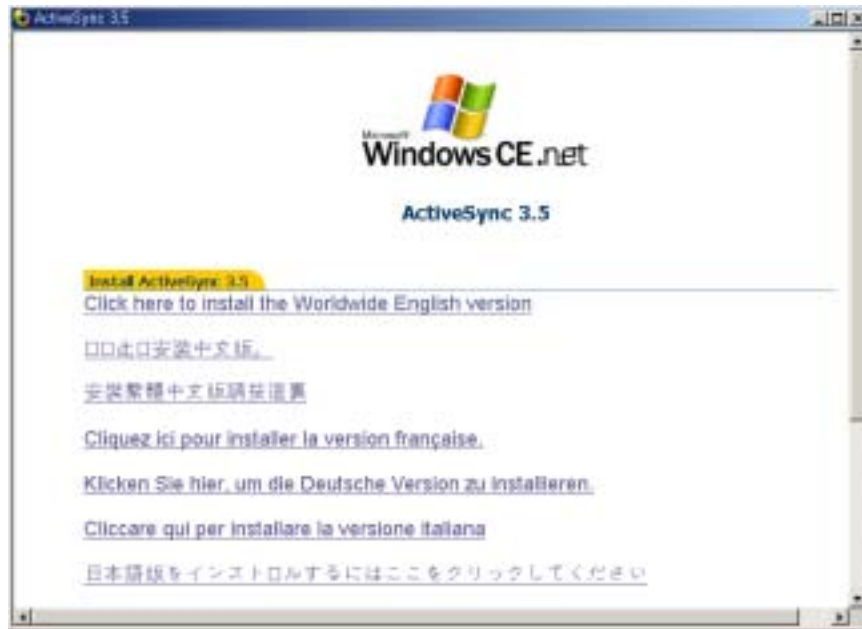
To install ActiveSync 3.5, your PC must meet the following minimum requirements:

1. OS: Microsoft Windows XP/2000/ME/98, or Windows NT Workstation 4.0 SP6 or higher
2. Application: In order to synchronize DOT 400 with a desktop or notebook for E-mail, calendar, contacts, tasks, and notes, you must have Microsoft Outlook 98 or higher (Outlook 2002 recommended).
3. Browser: Microsoft Internet Explorer 4.01 SP1 or higher
4. Hard Disk: More than 65 MB available hard-disk space (actually required space varies based on the selection of features and user's current system configuration)
5. Communication Port: Available 9 or 25-pin communication port (adapter required for 25-pin communication port), infrared port, or USB port (available for Windows 98/Me/2000/ XP only)
6. Graphics Card: VGA graphics card or compatible video graphics adapter with 256 colors or higher
7. Keyboard
8. Microsoft mouse or compatible input device
9. CD-ROM drive

DOT 400 PDA supports the connection using USB. Therefore, for synchronization, it supports Microsoft Windows 98/ME/2000/XP only, not Windows 95.

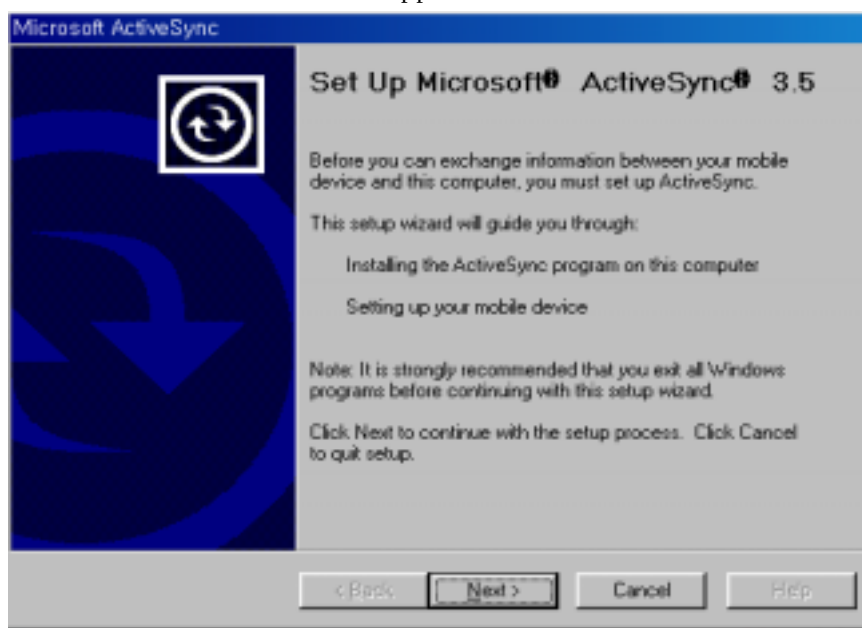
Installing ActiveSync

1. Insert the ActiveSync CD into the CD-ROM drive of your PC.
At this time, PDA should be disconnected from the USB sync cable or cradle.

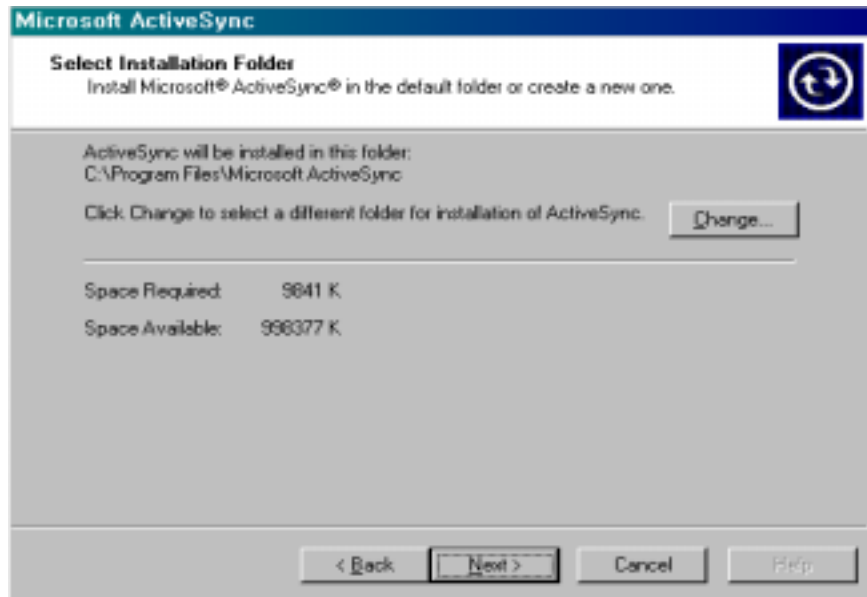


Since Korean version of ActiveSync 3.5 is not provided, You need to install English version. Click **“Click here to install the Worldwide English version”**. And then the ActiveSync Setup Wizard begins.

2. The installation Wizard appears as shown below. Click **“Next”**

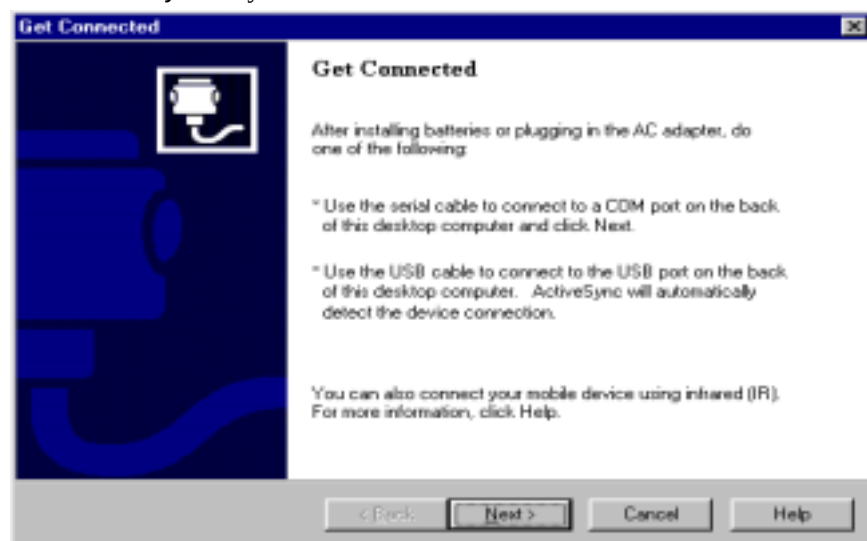


3. A message appears as shown below. In this message, you may assign a folder that you wish to install the program. Usually, you can install it in the default folder as shown in the message. If you wish to change the folder, click "**Change...**" icon and assign a folder.



Click "**Next**". It will automatically install the program
Depending on the PC environment, a dialog box "**Read only File Detected**" may appear. In this case, select "**Yes**".

4. When the installation of ActiveSync 3.5 is complete, the Connection Program begins as shown below. Click "Cancel" and Restart your system



Connecting to Your Desktop PC Using the USB Sync Cable or Docking Cradle

Connect your DOT 400 to a desktop PC using the USB sync cable or docking cradle. USB Driver will be installed automatically. Then, The synchronization between your device and the desktop PC will start after establishing a partnership. The following table shows the available communication devices (USB, serial, infrared) according to Operating Systems.

Operating Systems supported				
Connection Method	Desktop PC Operating System			
	Windows 95	Windows 98	Windows 2000	Windows NT
USB	No	Yes	Yes	No
Serial	Yes	Yes	Yes	Yes
Infrared	Yes	Yes	Yes	No

USB Sync Sable

Follow the procedures below to connect between the desktop PC and DOT 400 using the USB sync cable:

1. Connect the USB sync cable to the USB port of the desktop PC.
2. Connect the 24-pin connector of the other end to DOT 400.

Docking Cradle

Follow the procedures below to connect between the desktop PC and DOT 400 using the docking cradle:

1. Connect the DC plug from the battery charger to the DC jack on the cradle, and plug the battery charger into an electrical outlet.
2. Connect the USB cable from the cradle to a USB port on your desktop PC.
3. Slide your DOT 400 into the cradle. The connection program of DOT 400 and Microsoft ActiveSync of the desktop PC will start automatically for their connection,
4. USB driver will be installed automatically, Otherwise You should install USB driver manually referring to **Install USB driver** Part.
5. The **New Partnership Wizard** will appear on your desktop PC to help you set up a partnership. The set up method is explained

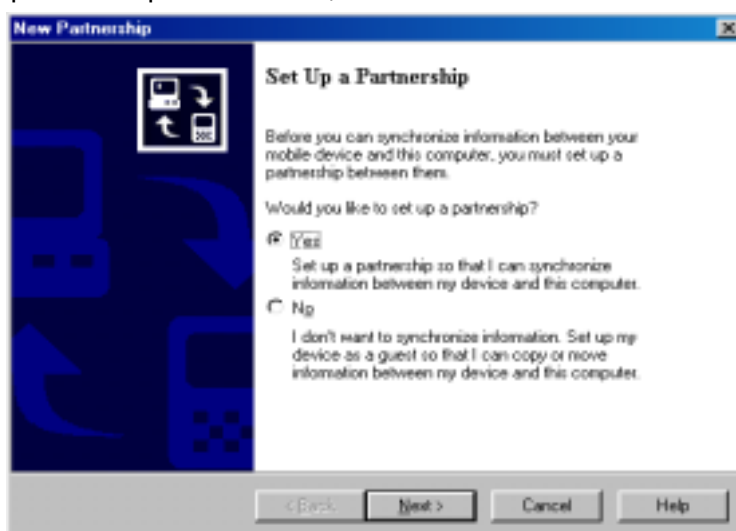
in the next section.

Setting Up a Partnership

The first time you connect your DOT 400 to your desktop PC, Microsoft ActiveSync asks whether you will set up a partnership. Once the partnership is set up, you can synchronize data with your DOT 400. Though your DOT 400 can have partnerships with two desktop PCs, E-mail messages can be synchronized with only one desktop PC.

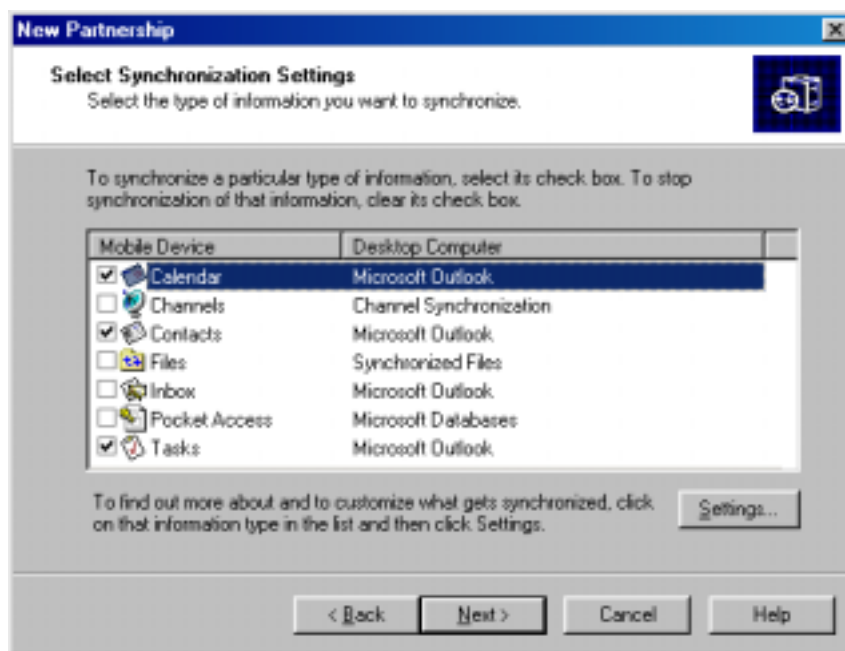
To set up a partnership:

1. Place your DOT 400 on the docking cradle that is connected to your desktop PC. At the desktop PC screen, the New Partnership Wizard will automatically start, asking you whether you will set up a partnership. Select **Yes**, and then click **Next**.



2. Enter the device name (for instance: Windows CE1, Windows CE 32, etc.) and click **Next**.
3. If your DOT 400 already has a partnership with another desktop PC, but you no longer want to use it, select **Yes, I want to synchronize with only this computer** in the Select Number of Partnerships dialog box. The partnership settings with other desktop PC will be removed from your device, and the former desktop PC will no longer be recognized by this device. Click **Next**.
4. The synchronization settings window appears. To synchronize a particular type of information, check the particular box and click **Next**.

Basically, the most commonly used items in the menu include the Calendar, Contacts, Tasks, inbox (E-mail), etc. It is recommended that you use these items regularly. In the item list,



5. Click **Finish** to complete the setup
6. Upon completing setup a partnership between your DOT 400 and desktop PC, ActiveSync will synchronize the selected information automatically.

Synchronizing data

In the Microsoft ActiveSync window on the desktop PC, there is an Options icon. When you click this icon, you can see tabs like "Sync Options," "Sync Mode," and Rules." "Sync Options" is a tab that allows you to select the items to synchronize, whereas "Sync Mode" is used in selecting the method of synchronizing. There are three ways of synchronizing depending on the synchronization mode you select. The default synchronization mode is "Continuously while the device is connected."

- a. **Continuously while the device is connected:** To synchronize in this mode, connect your DOT 400 to your desktop PC. ActiveSync will immediately start synchronization and will continue to

synchronize whenever you make a change either on a desktop PC or on DOT 400.

- b. **Only upon connection:** To synchronize in this mode, connect your DOT 400 to your desktop PC. ActiveSync will immediately start synchronization. To synchronize after the first synchronization manually, click **Sync**.
- c. **Manually:** In this mode, ActiveSync won't be triggered automatically. To synchronize in this mode, click **Sync**.

Synchronization compares the data on your DOT 400 with the data on your desktop PC and updates both computers with the most recent information. You can synchronize any files on your DOT 400 with the corresponding files on your desktop PC such as PIMs data and E-mail messages.

Resolving synchronization conflicts

If a problem or conflict occurs during synchronization, it will be marked as unresolved in ActiveSync and on your DOT 400. You can resolve problems at your convenience.

ActiveSync may not be able to perform synchronization for many different reasons. For example, if you are trying to access your Microsoft Outlook information and the mail server is not available, ActiveSync will not be able to synchronize your Calendar, Contacts, Tasks, or Inbox items. A conflict might occur because an item has been changed both on your DOT 400 and on your desktop PC.

You can modify your conflict resolution settings so that ActiveSync will not register conflicts as unresolved items. By selecting DOT 400 or the desktop PC as the default version, ActiveSync will automatically replace the information on the other computer. To avoid resolving conflicts manually, set your conflict resolution settings so that ActiveSync always uses the version on either DOT 400 or the desktop PC.

1. Click **Options** and then click the **Rules** tab.
2. Under **Conflict Resolution**, select the setting you want.

The items that cannot be synchronized without your assistance are marked as unresolved items in ActiveSync and on your mobile device.

1. Connect your DOT 400 to your desktop PC and perform synchronization.
2. If you have unresolved items, click Resolve items in the Tools menu.

Follow the screen instructions. Dialog boxes will appear to resolve problems depending on the cause of synchronization failure.

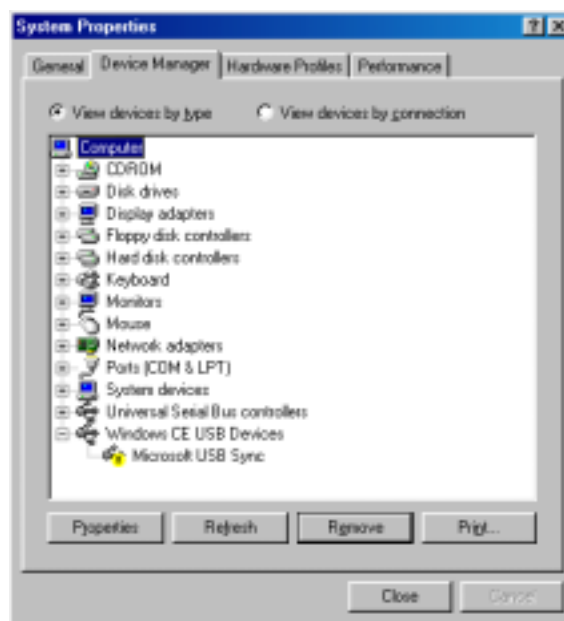
Installing the USB Driver

Normally, the USB driver can be automatically installed; otherwise, you must install it manually. To install the DOT 400 driver, refer to the figure below.

The figure below is based on a Windows 98 operating system

1. When USB Driver is not installed automatically, Open device manager window (Click **My Computer Icon -> Right Button-> Properties**) and check the USB driver status.

If the USB driver status is same as below, You should update USB driver.



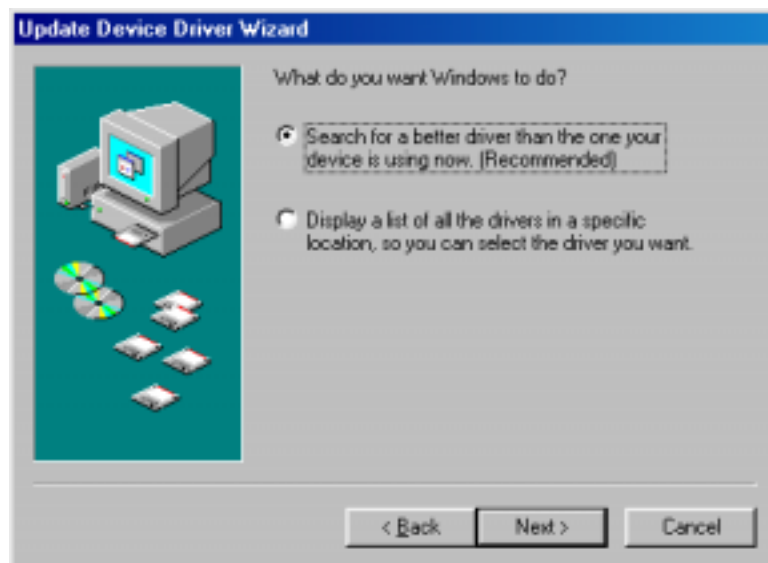
2. Select **Microsoft USB Sync** and Click Properties Button.



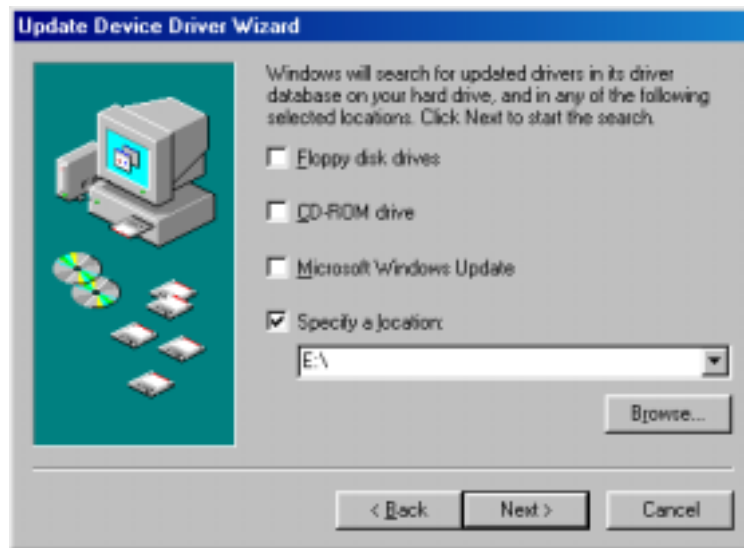
Before proceeding to the next step, make sure the installation CD, which is among the DOT 400 bundled CD-ROMs, is in your CD-ROM drive. When you insert the CD, the Autorun window will appear. The right driver of Microsoft USB sync for DOT 400 is in the USB driver folder of the installation CD.



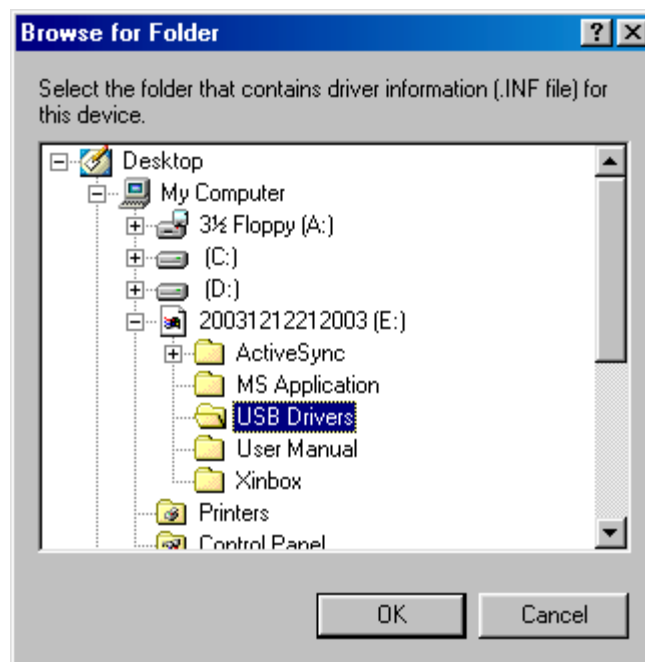
3. Click **Update Driver** Buton



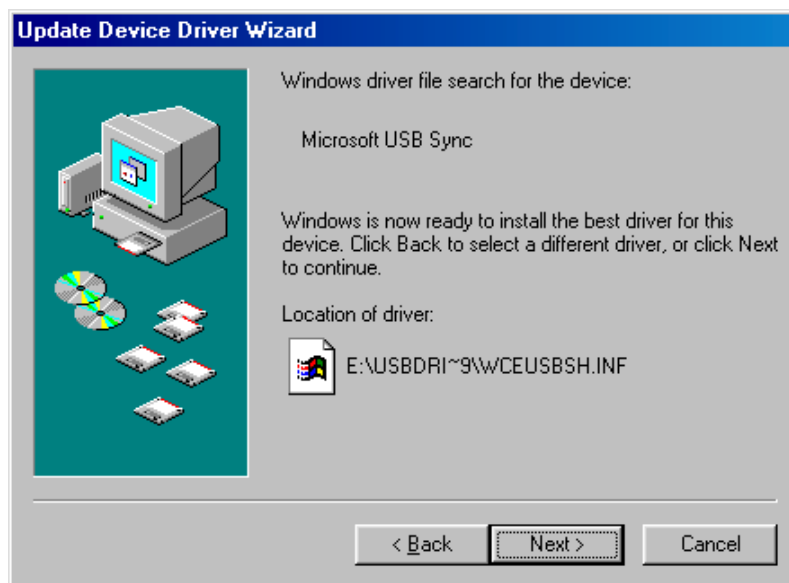
4. Click Next



5. Push the Brows Button and set the Path in which the USB driver is. (the USB driver is in the Companion CD-Rom)

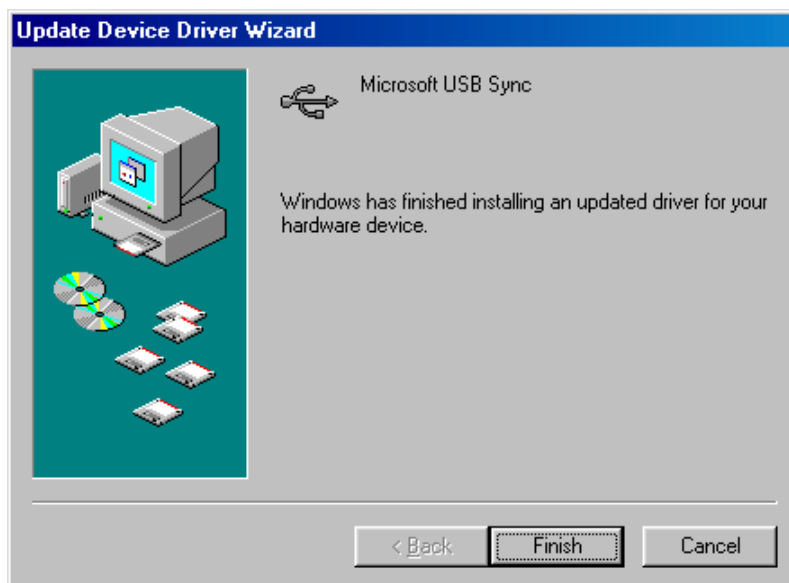


6. The Wizard will find USB driver and install.



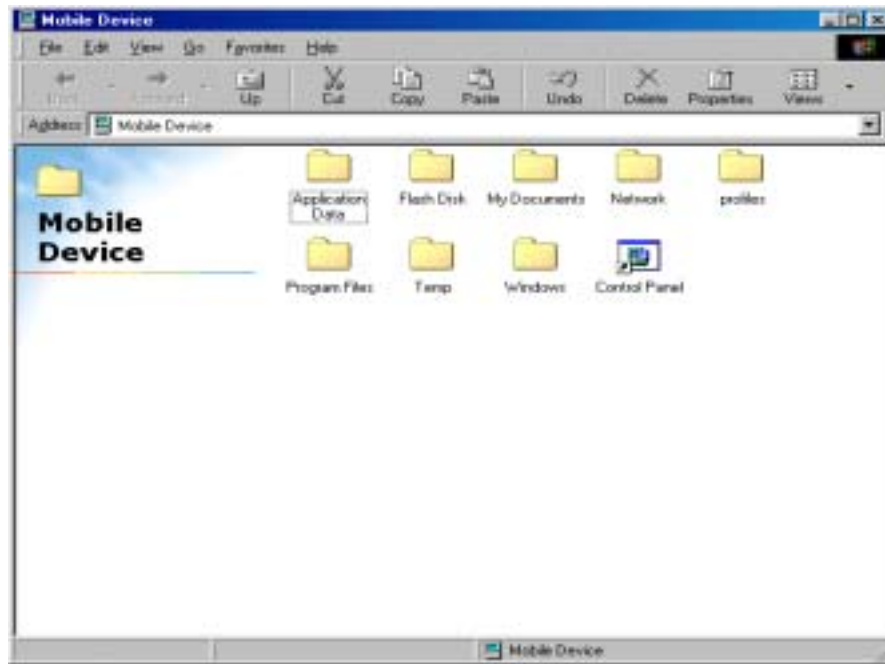
Click Next

7. Click finish button.



Browsing DOT 400 contents from a desktop PC

While DOT 400 is connected to a desktop PC, you can use ActiveSync to browse the contents of your DOT 400 from the desktop PC. In ActiveSync, click **Explorer** on the File menu. The contents of your DOT 400 will be displayed in the Mobile Device window.



Using ActiveSync, you can view the files on your mobile device by following these steps:

1. Connect your DOT 400 to your desktop PC.
2. In ActiveSync, click **Explore**. Windows Explorer will open the **Mobile Device** folder.
3. In Windows Explorer, browse the files on your device as you would in any Explorer window.

When you double-click a folder in the Mobile Device folder, it may take a few seconds for the folder to open.

While browsing, you can cut, paste, and copy files and data by simply dragging the file icons to folders.

In your desktop PC, you can access the DOT 400 contents using

Windows explorer. If you select **Files** when setting up a partnership, **WindowsCE My Documents** will be created in your My Documents folder. You can easily access My Documents in your DOT 400 using **WindowsCE My Documents** folder in your desktop PC.

5. Overview of Microsoft Windows CE.NET

This Chapter provides information on Microsoft Windows CE.NET, the operating system of DOT 400.

This chapter will introduce aspects of Microsoft Windows CE.NET such as:

1. Using the Main Window
2. Using the Navigation Bar
3. Using the Settings

Main Window

When you turn on DOT 400, you will first see the Windows CE.NET main window, which looks like Windows XP. This main window consists of the desktop and taskbar.



In the desktop, you can see the shortcut icons of Microsoft Windows CE. NET's main programs. The descriptions of the icons are as follows:



My Computer: Shows the inner structure of your DOT 400. You can see folders and files in your DOT 400.



Recycle Bin: Deletes completely or restores deleted files and data. This folder stores the files you have deleted from Windows Explorer or the desktop. You can completely delete or restore files and data in the Recycle Bin.



Be aware you cannot restore files and data in the Recycle Bin after emptying the Recycle Bin



Internet Explorer: Browses the Web or Intranet Microsoft Internet Explorer. Internet Explorer helps you browse the Internet or a corporate intranet. DOT 400 uses Microsoft Internet Explorer 6.0 sample browser.



Media Player: Plays the digital audio and video files. Using Microsoft Windows Media Player, you can enjoy digital audio/video files. Media player support the files in the following formats: ASF, WMA, MP3, WAV, etc. For more information about

Media Player, refer to **10. Using Microsoft Applications.**



Microsoft WordPad: Creates and manages documents

Microsoft WordPad is compatible with Microsoft Word on your desktop PC, allowing you an easy access to copies of your documents. For more information on Microsoft WordPad, refer to **10. Using Microsoft Applications.**



My Documents : Saves and views your programs, files, and data

You will create your own files using various applications and save these to My Documents. Also, you can read and modify these files and data on My Documents folder.



Messenger: Enables you to transfer real-time voices, text messages and files. You can control your online status as well as the other party's. And using messenger, you can enjoy multi-user games with remotely logged-on users, and you can also initialize other applications.



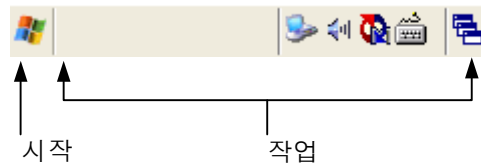
Remote Desktop Connection: Controls remote systems from your DOT 400. Using Remote Desktop Connection, you can connect to any system such as Windows 2000 Server, Windows 2000 Advanced Server, and Windows XP which support Remote Desktop. The installation file is in the MS Application folder of DOT 400's installation CD-ROM. You can use this feature with MS messenger by installing it on your DOT 400. For more information on installation, refer to the Help in the bundled CD.

You can use the right mouse functions of the desktop PC in DOT 400. Tap and hold the LCD touch panel by the Stylus Pen until the right button menu appears. You can arrange and line up icons, refresh the desktop, copy/cut/paste files and data, create new folders, and set the properties in the menu by right-clicking the mouse.

Taskbar

The Taskbar of Windows CE.NET is designed simple and easy to use.

The figure below shows the appearance of the taskbar:

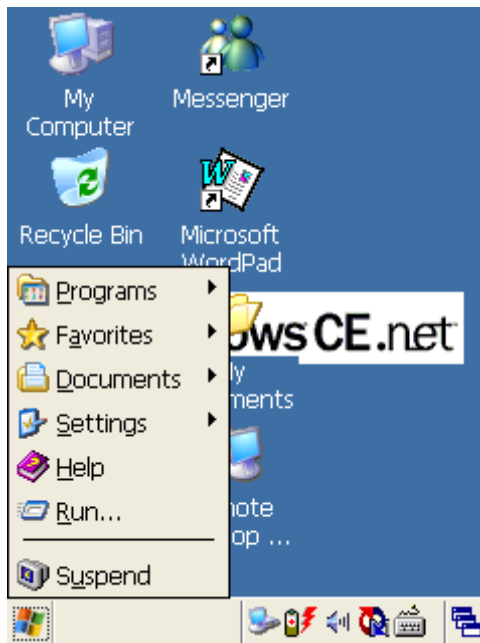


Start Icon

The Start icon is the starting point of DOT 400 programs.

Upon Tapping the Start menu, you will see the Programs, Favorites, Documents, Settings, Help, and Run. When you tap each menu, the executable programs will show up as shown in the figure below. If you tap any of those programs, you can directly execute the program.

The Start menu of Windows CE.NET is similar to the Start button on your desktop PC Windows.



Taskbar

The Taskbar shows the status of input method, battery and network connection, and running programs.

You can change the properties of the Taskbar by clicking Start menu > Settings > Taskbar and Start menu.

The “**Always on top**”, “**Automatically hide**”, “**Show the clock**” menu can be used by choosing a check box of the desired options.

The following describes the icons on the Taskbar:



Quick Link:

Tap the Quick Link icon in the Taskbar, then the Program link menu appears. You can quickly launch frequently used programs by using Quick Link. This menu consists of Screen Rotation, IR Send_Receive , Contrast Control, Backlight Control, and Task Manager.



Screen Rotation: Changes the display direction. Using Screen Rotation, you can view DOT 400 display vertically or horizontally.

To rotate the display:

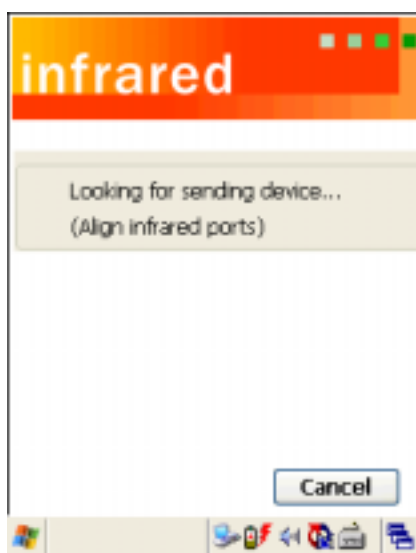
1. Tap Quick Link and select Screen Rotation.
2. Run an application. You can use the rotation feature with My Computer, Media Player, My Document, Internet Explorer, Microsoft WordPad, Image Viewer, and PIMs.



1. When you rotate the display, an application may not fit in the screen in some cases..

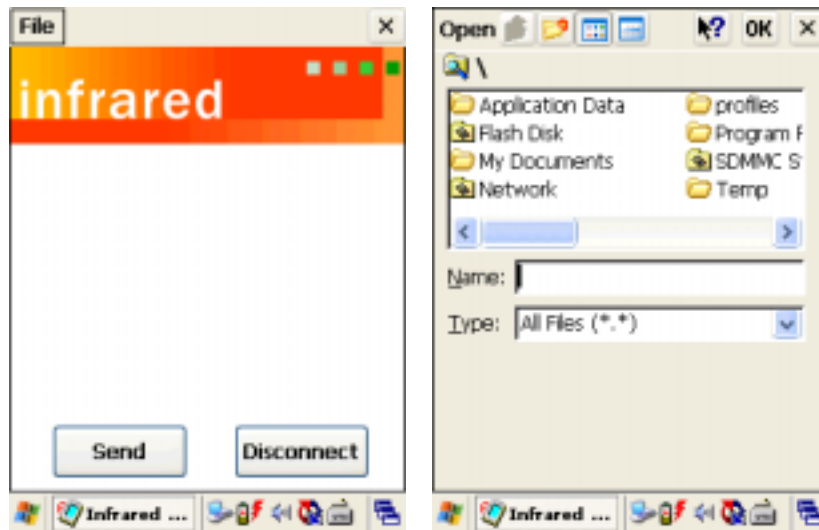
2. When you run an application in landscape mode, be sure to rotate the display first so that the “normal” screen will be displayed.

IR Send_Receive: Runs infrared communication using the Object Exchange Protocol (OBEX). The OBEX feature for Microsoft Windows CE.NET provides an efficient, compact binary protocol that enables a wide range of devices to exchange data spontaneously in a simple, efficient way. This feature works over the Infrared Data Association (IrDA) protocols. DOT 400 can communicate with the desktop PC, note book, pocket PC, and other PDA which has OBEX protocol for IrDA communication.



To use IR Send_Receive, follow procedures below:

1. Align the infrared (IrDA) port of your DOT 400 with the infrared port of other device to communicate.
2. Tap Quick Link icon, and then Infrared Communication menu.
3. The infrared communication program starts and the connection status message appears as shown above. When the program finds a device to communicate with, it displays the device name, **Send**, and **Disconnect** button.
4. Tap **Send** button to transfer files or data.
5. The Open File window appears. Select a file to transfer, then tap **OK**.



6. The File/Data Sending message appears in the middle of the infrared communication window. When the transfer is completed, the message, "Transfer rate 100%" appears.
7. When transferring files or data from other device to DOT 400, the Receiving Status message appears. Received file is saved in the \My Computer\Received Files directory.
8. Close IR Send_Receive by tapping the **Disconnect** icon after completing IrDA communication.

Contrast: refer to **9. Using Utility Programs.**

Backlight: refer to **9. Using Utility Programs.**

Task Manager: refer to **9. Using Utility Programs.**

**Soft Keyboard:**

When DOT 320 starts, you can see soft keyboard icon on taskbar. Tap soft keyboard icon, then soft keyboard appears. You can input characters, numbers, and symbols by tapping proper key on soft keyboard.

Functions of the soft keyboard are as following:

**Select Capital/Small Letter:**

Tap this icon to change capital/small letter. When capital is selected, capital letters and symbols appear on number keypad. It does the same as the Shift key.

**Select Symbols:**

Tap this icon to select symbols. When combined with the Cap icon, you can input capital symbols.

**Select Shortcut:**

You can Undo, Cut, Copy, and Paste mix—use with “z”, “x”, “c”, and “v”.

You can combine a function key with other function keys. For example, you can input capital symbols by tapping CAP and áü.

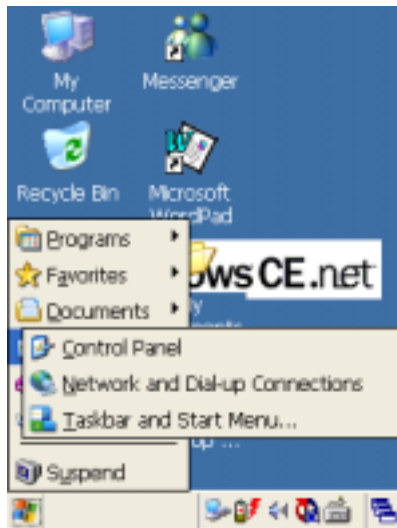
Status Icon

The following icons can be displayed in the status area of DOT400 taskbar.

Status Icons on the Taskbar	
Icon	Description
	Connected to the external (AC) power.
	Battery capacity is low.
	Battery capacity is extremely low.
	Battery is fully charged.
	Connected to desktop PC by USB
	Quick link icon
	Shows network connection status
	Shows currently running programs, moves immediately to one of those programs.
	Adjusts volume quickly

6. Setting Up DOT 400

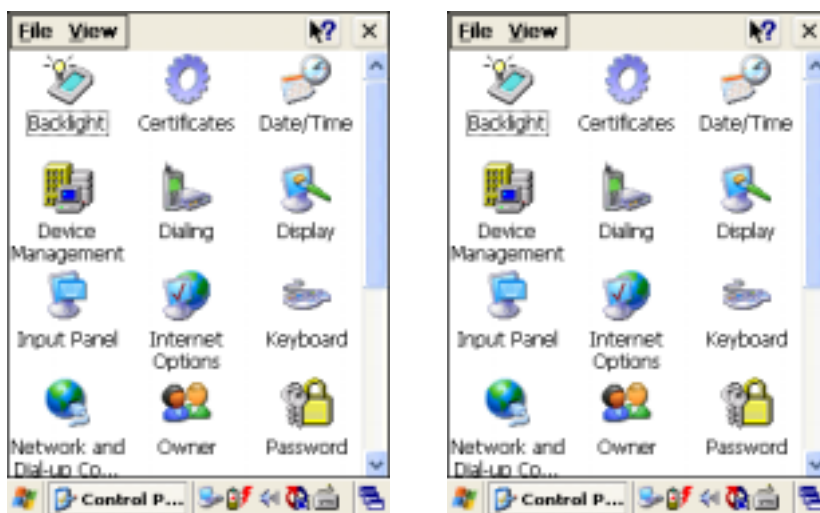
You can set the date/time, network, display, volume, power, system of your DOT 400 in the Control Panel.



Tap Start > Setting > Control Panel, then the Control Panel window appears.

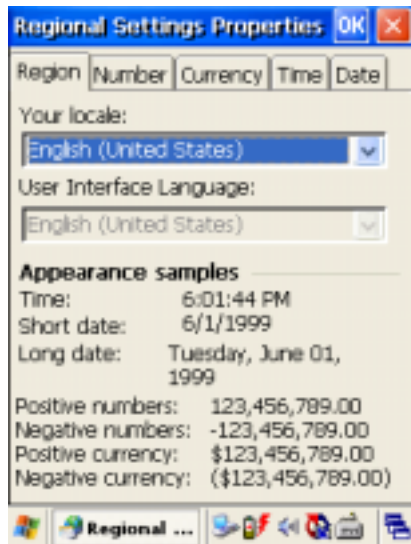
You can change the view mode- Large Icon, Small Icon, and Details. You can also arrange the icons in the View menu.

The Control Panel is as follows:



Regional Settings

You can set the region, number format, currency, time and date.

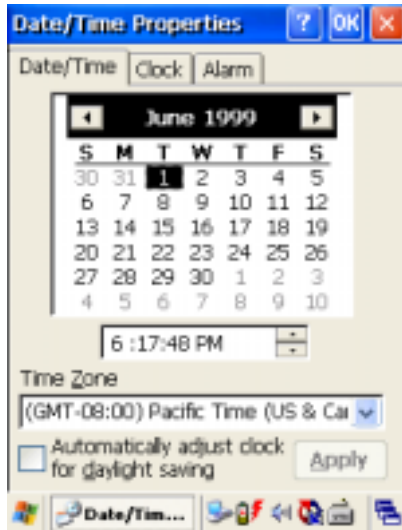


To set the region, number format, currency, time and date, follow these steps:

1. Select Start > Settings > Control Panel.
 2. Open the Regional Settings icon.
 3. Select the tab for the type of information you want to change.
 4. Select desired options. The properties available are determined by the region selected on the Region tab.
-

Date/Time

You can set the date, time, time zone, clock, and alarm.



Date / Time

You can set the time zone, year, month, day, and time as follows:

1. Select your location from the Time Zone drop-down list. If the previous setting value is normal, proceed to the next.
2. Select the year and month from the calendar. You can select the year and month using the arrows on either side of the month or the month label shown upon tapping month.
3. Select the date from the calendar.
4. Set the time by entering in the Current Time box. In this box you can see hour : minute : second : am/pm. Tap each item and adjust time using the arrows up and down.
5. Tap **Apply** to save changes. Check if the set time is correct.

Clock

You can set the time of Home and Visiting.

1. Set the year, month, and day from the calendar
2. Set the region from the drop-down list.
3. Set the year, month, and day from the calendar
4. Tap **Apply** to reflect your changes.

Alarm

The Alarm program is designed to remind you of important matters or events. You can set alarms at any time you want. DOT 400 Alarm has four alarm events with two separate menus, including Reminder for Calendar and Tasks. You can set the day and time for each alarm event. To set alarms, follow these steps:

1. Select each check box you want to use the alarm.
 2. Enter a name or description for each alarm. By default it is named as Alarm1, Alarm2... You can erase and rename them using the keyboard.
 3. Select the day check box (from Sunday to Saturday) which will trigger the alarm.
 4. Set the time in the time setting box.
 5. Tap the speaker icon for setting options.
 6. The options window shows the alarm notifications, such as sound, message and flashing light.
 7. You can set up to four alarms maximum. Tap **Apply** to save the set alarms.
-

Network and Dial-up Connections

You can connect directly to a network through a network (Ethernet, LAN) or dial-up (Modem) connection. You can access your E-mail and the files available on the network server, and browse the Internet or an intranet.



Creating a new connection on your DOT 400

You must create a connection for each computer or network that you want to access remotely unless you are using an Ethernet card.

1. Insert the CF modem card into the CF slot of DOT 400
 2. Select Start > Settings > Control Panel > Network, or select Start > Settings > Network.
 3. Double-tap the Make New Connection icon.
 4. In the Make New Connection dialog box, enter a name for the connection.
 5. Select Dial-Up Connection and tap **Next**.
 6. Select the modem to use and tap **Configure**.
 7. Set the port and call options. If you can't connect using these settings, obtain the detailed information from your ISP or network administrator. If you want to always enter a phone number before connecting, select Manual Dial and **OK**.
 8. Select TCP/IP Settings. On the General tab, make sure Use Server-assigned IP address is selected. On the Name
-

Servers tab, make sure Use Server-assigned IP address is selected, and select **OK**. If you are unable to make connection with these default settings, obtain the detailed information from your ISP or network administrator

9. Tap **Next** and type in the country/region code, area code, and telephone number.
10. Tap the **Finish** button.

The connection you just created appears as an icon in the Network and Dial-up Connections folder.

If you are using an external modem, select Hayes Compatible on COM1. When connecting to a network using an external modem, you need to use the modem cable or adapter supplied by the modem manufacturer.



1. Check if the modem card works with Windows CE.NET from its manufacturer.
 2. When using an external modem, check if it is compatible with the Hayes commands.
-

To create a direct connection to a desktop PC, follow these steps:

1. Select Start > Settings > Network.
2. Double-tap the Make New Connection icon.
3. Select **Direct Connection**.
4. Tap **Next**.
5. Select a device you want to connect in the device window. Since DOT 400 supports the connection via USB by default, it's not necessary to make this connection. Select "**Infra Port**" or "**Serial Cable on SP3**" depending on the connection method to the desktop PC.
6. Select **Configure** to proceed with settings.
7. Tap **Finish**.

This connection is used in the "PC Connection" method of the Control Panel.

Creating a dial-up network connection

1. Select **Start > Settings > Network**, and double-tap the new connection created by the instruction above..
-

2. Ask your network administrator to create a RAS account before connecting to a network. Once the account is set up, enter the following information in the dial-up network connection window: user name, password and domain.
3. Tap the Dial-up Connection Properties icon and if you find the settings correct, tap the **Connect** icon.
4. When connected, you can run programs such as Internet Explorer or Inbox for your working.

Creating an Ethernet connection

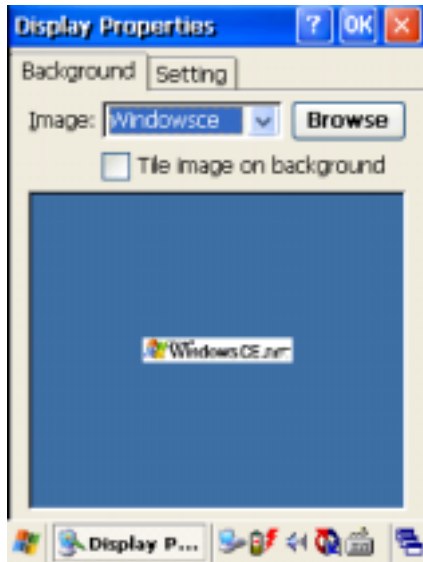
To make a network with an Ethernet card, you must have a NE2000/NE2001-compatible Ethernet card.

1. Insert the Ethernet card to the CF type slot of your DOT 400.
 2. Select Start > Settings > Network to create the NE2000 icon in the network folder window. Double-tap the NE2000 icon, and then the "NE2000 Compatible Ethernet Driver Settings" window appears. Select "Obtain an IP address via DHCP", then tap **OK**.
 3. You can also connect to a network by entering an IP address. Obtain the detailed information from your ISP or network administrator.
-

Display

You can set the background image, change the desktop's color scheme, and change the contrast settings.

You can also enter the Display Properties window by right-clicking on the desktop and selecting Properties.



Background

You can change the background image on the desktop.

1. Select the Background tab.
2. From the Image list, select an image to set the background of the desktop. The image list shows the image files in the Windows folder. Click **Browse** to use images in other folders.
3. To set an image in a tile format on the background, select the check box Tile.

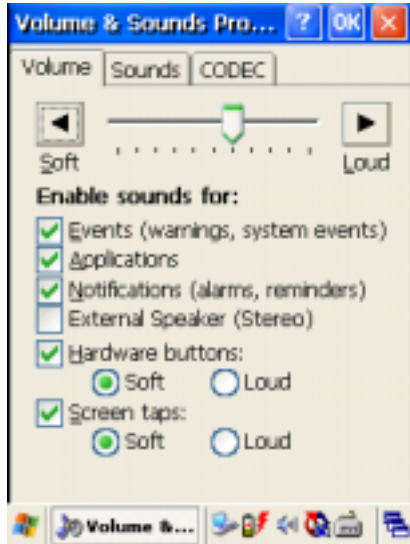
Settings

You can adjust the contrast and brightness of the LCD.

1. Select the Settings tab.
 2. Adjust the contrast and brightness by dragging the slider bar.
 3. Tap **OK** to save and exit.
-

Volume & Sounds

You can set the volume control and select sounds to use.



To adjust volume and to set sounds:

1. Select Start > Settings > Control Panel.
2. Open the Volume & Sounds and select the Volume tab.
3. Adjust volume by tapping the left and right arrows or by dragging the slider bar.
4. Select each check box you want to enable sounds for: events (warning, system events), applications, and notifications (alarms, reminder).
5. Select each check box you want to enable sounds for: buttons. Tap the soft or loud arrow to adjust volume.
6. Select each check box to enable sounds for the Stylus and to decide soft or loud sound.

Sounds

To change event sounds:

1. Select Start > Settings > Control Panel.
 2. Open the Volume & Sounds icon, and then select the Sound tab.
 3. From the Event list, select an event.
 4. From the Event sound list, select a sound. You can check it with the preview button.
-

5. To remove a sound from the selected event, select **None**.
6. To save the changes to a different scheme, select **Save As**, and then name the sound scheme.
7. To delete a sound scheme, select it in the list and select **Delete**.

Codec

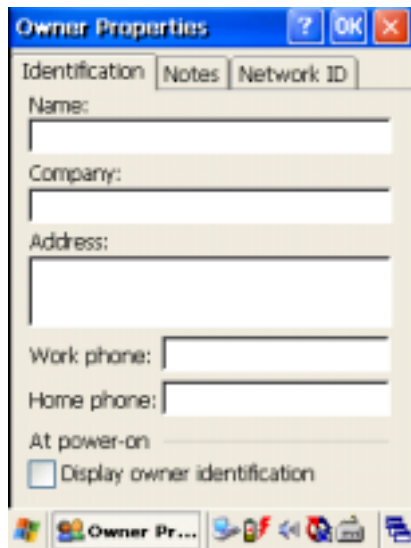
To use the options for the microphone codec:

1. 1. Select **Start > Settings > Control Panel**.
 2. Open the **Volume & Sounds** and select the **Codec** tab.
 3. Decide if you want to enable **SideTone**, and decide the level of **Side Tone**.
 4. Decide if you want to enable the **Digital to Analog Codec (DAC)**.
 5. Decide if you want to activate the input of the microphone to the speaker.
 6. Decide if you want to amplify the input of the microphone.
 7. Decide if you want to turn off the microphone while recording is not in progress.
 8. Decide if you want to enable filtering against high-pitched tones during recording.
-

Owner Information

You can set your DOT 400 to display owner information at its startup, and you can add more information about the owner, and set the network ID.

Owner information

The image shows a Windows-style dialog box titled "Owner Properties". It has three tabs: "Identification", "Notes", and "Network ID". The "Identification" tab is selected. Inside the dialog, there are several text input fields: "Name:", "Company:", "Address:", "Work phone:", and "Home phone:". Below these fields is a checkbox labeled "At power-on" with the text "Display owner identification" next to it. The dialog box has standard Windows controls: a question mark icon, an "OK" button, and a close button (X) in the title bar. The taskbar at the bottom shows the "Owner Pr..." icon.

On the Owner Information tab, enter the name, company, address, and telephone number.

To display the owner information in the initial screen at the system startup, select the check box Display Owner Information.

Memo

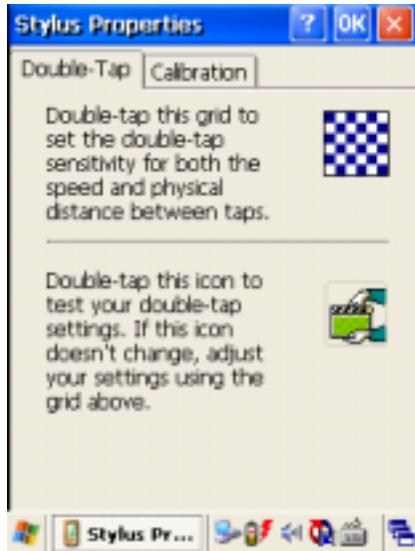
You can enter additional owner information or other information. To display the Memo in the initial screen at system startup, select the check box Display Owner Information

Network ID

Windows CE.NET uses the owner's information to gain access to network resources.

Stylus Pen

You can set the sensitivity and calibration of the LCD screen.



Double-tap

You can set and check the sensitivity of double-tapping.

To set the double-tap sensitivity:

1. Select Start > Settings > Control Panel.
2. Run Stylus and select the Double-tap tab.
3. Double-tap the grid. The color of grid will change.
4. The speed and area of Double-tap is automatically recorded.

To test the double-tap sensitivity:

1. Select Start > Settings > Control Panel.
2. Run Stylus and select the Double-tap tab.
3. Double-tap the icon below. The icon will change.
4. If the icon doesn't change, adjust your setting using the grid above.

Calibration

If your DOT 400 is not responding properly to your taps, recalibrate your screen using **Recalibrate**.

To start the re-calibration:

1. Select Start > Settings > Control Panel.

2. Run Stylus and select the Calibration tab.
 3. Tap Recalibrate, then the calibration process starts.
-



When tapping or double-tapping the screen with the stylus pen, it may happen to run a function of the right-mouse button. In this case, you can solve the problem by resetting the sensitivity of double-tap above .

System

The System Properties window shows the information of your DOT 400. You can see the information about your DOT 400, device name, and copyrights.



General

General information includes system information, such as the type of operating system in use, and user information, such as the type of processor, memory size, and owner information.

Memory

The memory of DOT 400 is used for data storage and for programs. The default memory of DOT 400 is 64MB.

You can set the size of your memory to run program or to store data.

To set memory:

1. Select Start > Settings > Control Panel.
 2. Run System and select the Memory tab.
 3. The blue portion of the slider bar shows available memory.
 4. Move slider. The left side of the slider is storage memory and the right side of the slider is program memory.
 5. The larger storage memory becomes, the more data and files you can store, and less problems when running programs. If you find the speed is slow when running
-

programs, move the slider left to secure more program memory capacity.

Device name

Device name is the name of a device used for the partnership with your DOT 400 when your DOT 400 is connected to your desktop using ActiveSync.

To set Device Name:

1. Select Start > Settings > Control Panel.
2. Run System, and select Device Name.
3. Enter the device name and detailed description

Copyright

To see the description about copyright:

1. Select Start > Settings > Control Panel.
 2. Run System, and select Copyright
 3. You can see detailed information about Copyright.
-

Password

You can set a password to protect and secure your DOT 400 from other unauthorized users.



To set a password:

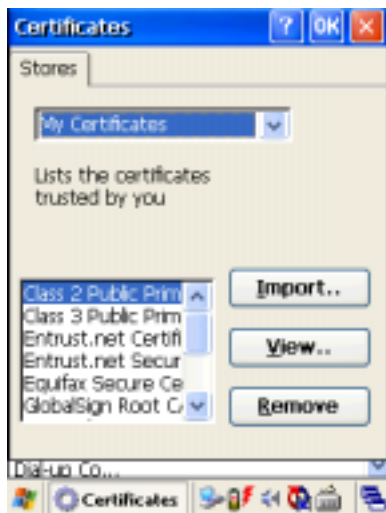
1. Select the password setting tab.
2. In the Password box, enter a password.
3. In the Confirm Password box, enter the password again.
4. To enable protection at start-up, select "Enable Password Protection at Start-up." Tap the screen with the stylus pen to enter a password, and then a keyboard appears. Entering the password directs you to the main screen.

When restarting the system after enabling the password protection at start-up or resetting software settings, you will be asked to enter a password. If you forget your password, you will not be able to restart the system. In this case, you must perform a hardware reset. Performing a hardware reset will erase all files and data you have created, and all programs previously installed. It is recommended that you use a password that is easy to remember and store it securely in your desktop PC. If you forget your password, you can only use your DOT 400 again after the hardware is reset.

To cancel the password protection, go to the Password Properties window and remove it.

Certificates

Some applications use security certificates to ensure secure communications. Security certificates are issued by certificate authorities, and they are valid for a prescribed period of time. Windows CE.NET manages multiple certificate stores.



1. Select Start > Settings > Control Panel.
2. Double-tap to run Certificates.
3. In the Stores tab, select the certificate store to view or modify from the drop-down list.
My Certificates: contains your personal certificates to identify yourself.
Other Authorities: intermediate certificate authorities that help establish a chain of trust.
Trusted Authorities: lists the top-level certificates.
4. To add a certificate or associated private key to the selected store, tap **Import** and select the way to import certificate or key. You can select from file or from a smart card.
5. To view more details of the selected certificate such as the extension name or expiration date, tap **View**.
6. To delete the selected certificates from the store, tap **Remove**.

Internet Options

To use Internet using Internet Explorer, follow these steps to set Internet Options.



General

Tap the General Tab.

1. Enter the default page when Internet Explore starts in the Start Page box.
2. Enter the default search engine for search function of Internet Explore in the Search Page box.
3. Set the cache size.
4. Tap **Clear Cache** to delete the cache in your system.
5. Tap **Clear History** to delete web history.

Connection

Tap the Connection tab and set Internet connection options.

1. Check the box **Use LAN** to use LAN for Internet connection. If you select this option you cannot use the autodial function. Typically, since DOT 400 accesses to the Internet using the CF LAN card, it uses this option.
2. Select an ID for autodial.
3. Check the box "Access the Internet using a proxy server" if you want to use a proxy server, then enter proxy address and port.
4. Check the box "Bypass proxy server for local address" if you

want to bypass proxy server when accessing a local address.

This option is available only when you use proxy server.

Security

Tap the Security tab and set security options.

1. Check the box **Allow cookies** to enable cookie.
2. Select proper security options such as TLS 1.0, SSL 2.0, and SSL 3.0.
3. Check the box **Warn when switching across secure and insecure areas**. Internet explore warns you when you enter the insecure page if this option is checked.

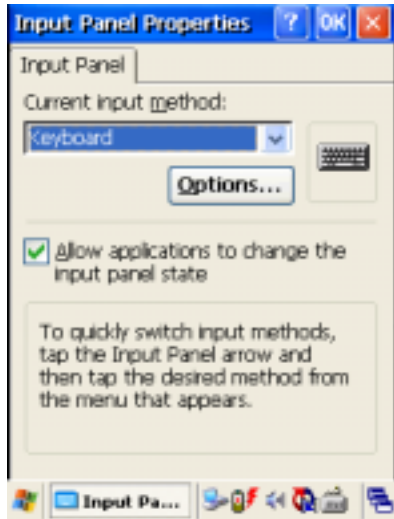
Advanced

Tap the Advanced tab and set advanced options.

1. Check the box **Display images** to show images in web pages.
 2. Check the box **Play sounds** to play sounds in web pages.
 3. Check the box **Enable scripting** to use script automatically.
 4. Check the box **Display a notification about every script error** to show a notification message for every script error.
 5. Select an underlining method for links, among **Never**, **Always**, and **Hover**
-

Input panel

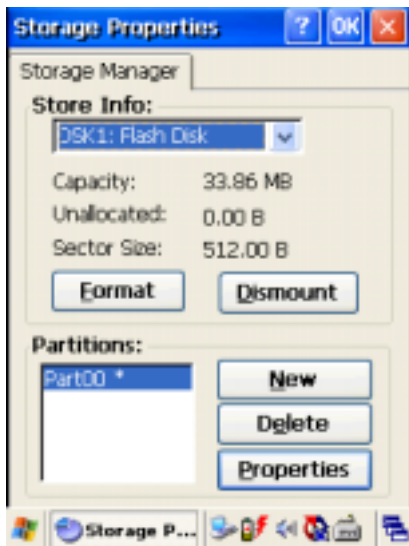
You can set the input method and options.



1. Select the input method to use from the current input method drop-down list. The Current input method shows the input methods currently available.
 2. Select Keyboard, and tap Options. Then the Soft Keyboard Options window appears.
 3. Select the key size of the keyboard. You can select large keys or small keys.
 4. Check the box **“Use gestures for Space, Backspace, Shift and Enter”** to use gestures.
 5. Tap **OK** to save changes.
 6. Select Handwriting Recognition as the current input method, and tap Options. Then the Handwriting Recognition Options window appears.
 7. You can set the time that the Handwriting Recognition program recognizes the handwriting entered.
 8. Tap OK to save the settings.
-

Storage Manager

You can manage Flash ROM (Disk1) and extended memory (Disk 2) such as CF Memory or SD/MMC (Disk 2) using the Storage Manager. Disk 1 is generally used as a space to back up the PIMs data. You can set/delete partitions and format disks.



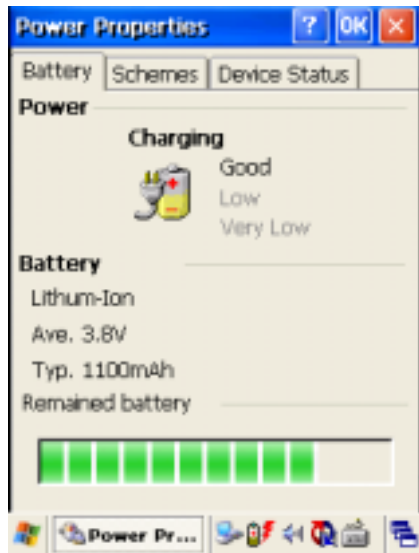
1. Select built-in **Disk 1** or **Disk 2** from the Store Info drop-down list.
2. To format the partition of selected Disk, tap the Dismount Icon and the Format icon. In the Partitions list, partition name disappears.
3. Tap the New icon, and enter new partition name. Then, new partition will be created and configured automatically.
4. To delete partition, select a partition you want to delete, tap the Dismount icon, and tap **Delete**.
5. To view the **properties** of selected partition, Tap the Properties icon.
6. You can backup PIMs data in the mounted partition. For more information on PIMs backup, refer to **7. Using Personal Information Managers**.



Be aware that formatting a disk erase all data, files, and programs.

Power

You can check the battery status of DOT 400 and set the device to be turned off when idle.



Battery

You can check the battery status of DOT 400.

1. Select Start > Settings > Control Panel.
2. Open the Power icon, and then select the Battery tab. The Battery tab provides general information on battery conditions.
3. There are three indications of battery status:
 - Full: Enough battery power.
 - Low: Low battery power. It is recommended to charge your battery.
 - Very Low: Very low battery power. It is recommended to turn off and charge your DOT 400 not to lose important data.

Power schemes

You can power-off your DOT 400 to reduce battery consumption and prevent unauthorized use. To set your DOT 400 to be automatically turned off when idle:

1. Select Start > Settings > Control Panel.
 2. Open the Power icon, and then select the Power Off tab.
 3. Your device will switch to system idle mode after a configured period of time according to each setting of battery or AC.
-

Device status

This shows the names and status of devices that are currently using power.

Device status

This shows the names and status of devices that are currently using power.

Optimizing Battery Life

You may want your batteries to last as long as possible, especially when you're out of office or home. Here are a few tips to help you get the most from them.

1. Establishing a dial-up connection (some modems use a huge amount of power).
2. Using the backlight feature.
3. Connecting to a desktop PC.
4. Using a compact flash card or other peripherals.
5. Letting the LED indicator flash for extended time periods.

B. Turn off your device when not in use.

While on battery power, your device is automatically turned off, if you haven't touched the keyboard or used the stylus or mouse for more than three minutes.

Maximize battery life by shortening this time.

C. Turn off sounds you don't need.

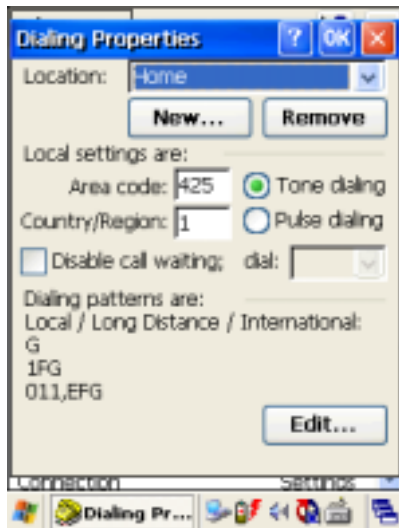
By default, the device produces sounds in response to a number of events, such as warnings, appointments, and hardware-button presses. To optimize battery life, turn off any sound you don't need. Select Start > Settings > Control Panel, and then Volume & Sounds.



When batteries are very low, you will see the Very Low Alarm dialog in the task bar and main window. In this case, you must charge DOT 400 using the battery charger. If not, a system fault may occur.

Dialing

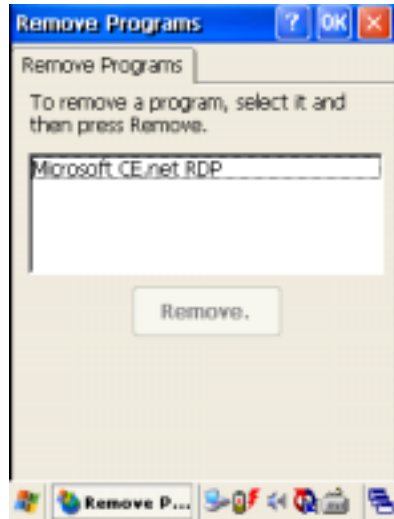
You can set the Dialing Properties for dialup modem by following these steps.



1. Set Location (home/work). You can add a new location or remove the current location by tapping **New** or **Remove**.
2. Enter Area Code and Country/Region code.
3. Select dialing method. You can choose Tone or Pulse.
4. You can release a call waiting by checking the box “**Call the next number,**” but basically it is not recommended to use the call waiting function.
5. Dialing patterns shows the dialing patterns you set.
6. Tap **Edit** to edit dialing pattern. Enter local, long distance, and international call patterns.
7. Tap **OK**.

Removing Programs

You can remove installed programs.



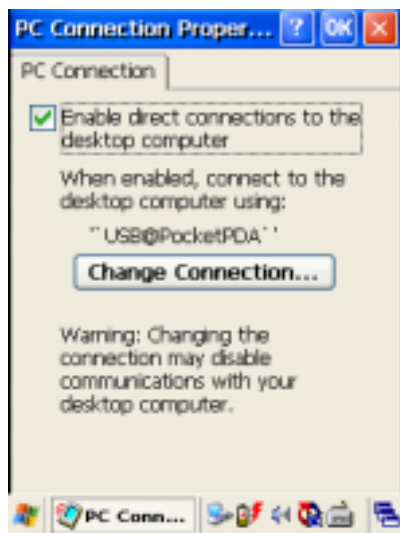
1. Select Start > Settings > Control Panel.
2. Open the Remove Programs icon.
3. From the Programs list, select the program you want to remove.
4. Tap **Remove**.



You can remove only the programs that you have installed in RAM. If you are unable to remove a program, see Windows CE Help on your device or the program's documentation for more information.

PC Connection

You can set PC connection to synchronize DOT 400 with your desktop PC or other devices. You can set PC connection between desktop PC with USB, infrared port, and serial port. To change PC connection, follow these steps:



1. Select Start > Settings > Network, and create a new connection. Select Direct connection in the connection type. For details, see **“Network and Dial-up Connections”**
2. Select Start > Settings > Control Panel > PC connection.
3. Tap **Change Connection**.
4. Select a desired connection type.
5. Connect to a desktop PC.



To connect your DOT 400 to a desktop PC, Microsoft ActiveSync 3.5 must be installed on the desktop PC.

7. Using Personal Information Managers

DOT 320's PIMs (Personal Information Managers) includes Calendar, Contacts, Tasks, XInbox, and Notes. You can use these programs individually or together.

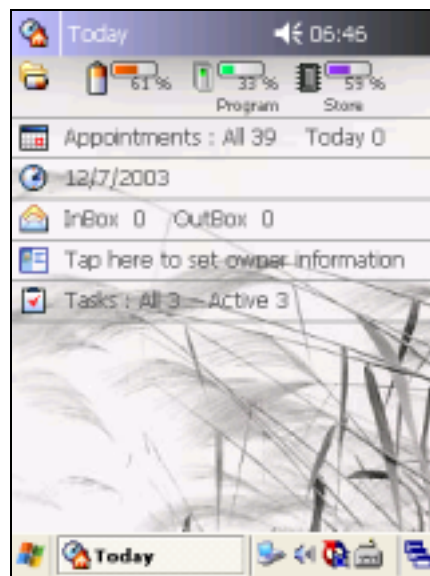
Using ActiveSync, you can synchronize information in Microsoft Outlook on your desktop PC with information in PIMs on DOT 320. Every time DOT 320 is synchronized, ActiveSync compares the changes you made on your DOT 320 and desktop PC, and updates both computer and DOT 320 with the latest information (You can set up which data will be replaced at option in ActiveSync).

PIMs contains following applications:

1. **Today:** Display brief information for today.
 2. **Inbox:** Send and receive messages (including e-Mail) via desktop PC.
 3. **Calendar:** Display Day, Week, Month, and Year calendar scheduling for your appointments and meetings.
 4. **Contacts:** Display and keep track of friends and colleagues contact information.
 5. **Tasks:** Display and keep to-do list.
 6. **Notes:** Display and capture your thoughts and ideas by drawing and typing.
 7. **PIMs Backup:** Backup Data(Data Base) and Notification data to CF Memory Card or Flash ROM
-

Today

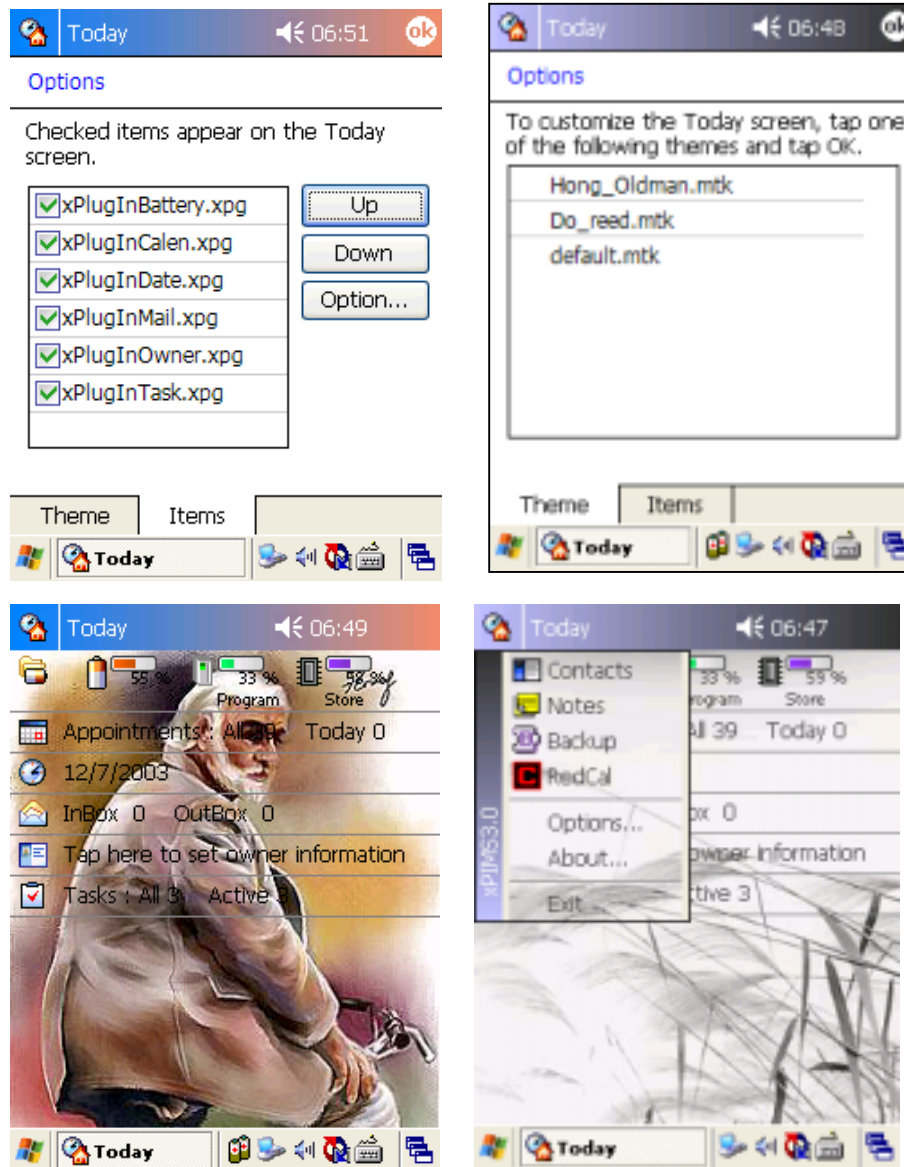
One of the most outstanding features in xPIMS 3.0 is “Today”. “Today” is the software that PocketPC is regarded as more excellent than WinCE.net related to GUI. xPIMS 3.0 supports to this function, too. In PocketPC “Today” works as the basic shell function but in xPIMS 3.0 it works as the application on WinCE.net.



The basic function of “Today” is to manage themes and Plug-in enabled items. It can show the theme to be created by Theme generator in PocketPC and change into another theme. The extension of “Today” is “.mtk(Multimedia Theme Kit)”.

Unless each plug-in item is created using APIs to be able to be used only for PocketPC, it can be used in WinCE.net without changing.

In addition “Today” plays a role of a simple program launcher.



If check boxes are checked in Setting Plug-In Window of “Today”, they are displayed as the order of the listed items on the “Today” window. If not, they don’t be displayed on the “Today” window. Whenever you press a “Move up” button after selecting an item you want to change, it moves up one by one.

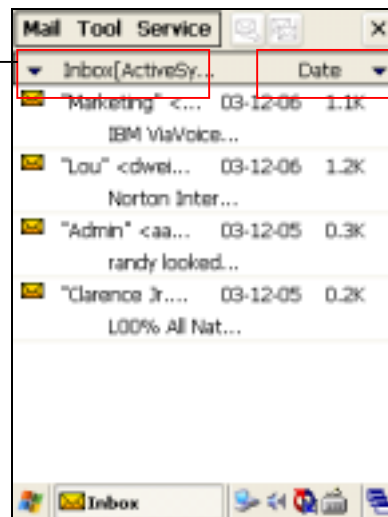
Inbox

You can send and receive e-mail messages in two ways in Inbox.

1. Send messages of Inbox in a device and receive messages of Microsoft Outlook in a desktop via ActiveSync.
2. Receive e-mail messages from POP3 and send messages through SMTP server by using wireless/wired network.

Message List

1. Select Service folder



2. Select sort method
- Date, Subject, From

3. Message list

1. Select Service folder

Select a subfolder (Inbox, Outbox, Sent, Deleted(local)) in a Service folder.

2. Select sort method

Select the sort method of message list. You can sort message list in three ways: Date, Subject, or From.

3. Message list

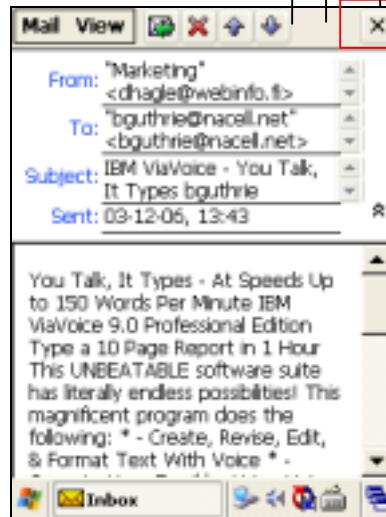
Show a summary of each message in Inbox, Outbox, Sent or Deleted folder.

Received Mail

2. Delete the message.

1. Reply, Forward

3. Move to a previous or next message



4. Show/hide a message header

When you double-click one item of message list, the window as above is created. It shows details of the message.

1. Clicking  icon, you can see [Reply/Forward] Menu. By using it you can reply or forward e-mail.
2. Clicking , you can delete the message and move to the main window.
3. Clicking , you can move to a previous/next message of message list. In case of the first/last message of a list it moves to the main window.
4. Clicking  , you can resize the window and see the details.

Create New Message

1. Get an e-mail address
from Contacts
2. Attach a file



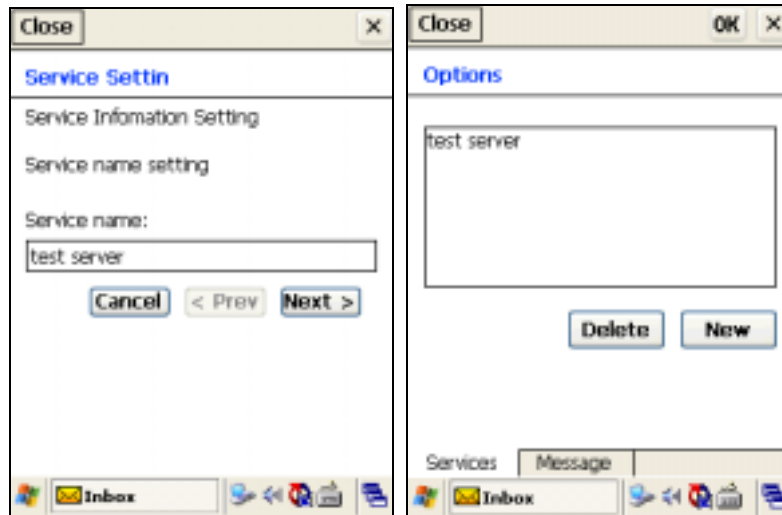
To create a new message, click a New button in a menu bar.

You can send a message to multiple recipients by using semicolon (;) next to each address.

1. If an item of abc<def@ghi.com> is in Contacts, type “bc” or “de”, click “ (name)/  (address)” Search icon, and find the items to have the strings.
2. To attach a file, click “” icon and attach the file you want.

Create New Service Type(Pop3, SMTP)

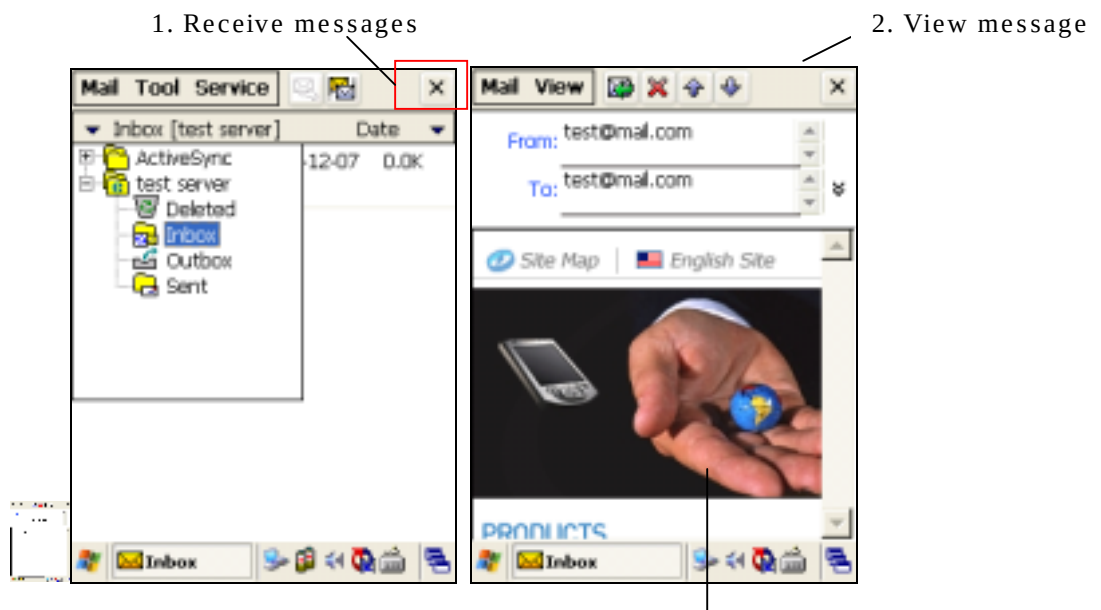
To get POP3 & SMTP service, you should register a new account.



1. Select “New Service” in a menu bar or click a “New” button in Option view to register a new account.
 2. Type a new ID in an User ID input box. It becomes a name of a new service folder.
 3. Select POP3 and SMTP option in turn clicking a next button. Tap “Finish” button and a new ID has been registered.
 4. Return to the main shot, click a Menu bar, and a new registered ID folder has been created.
-

Using POP3 Service

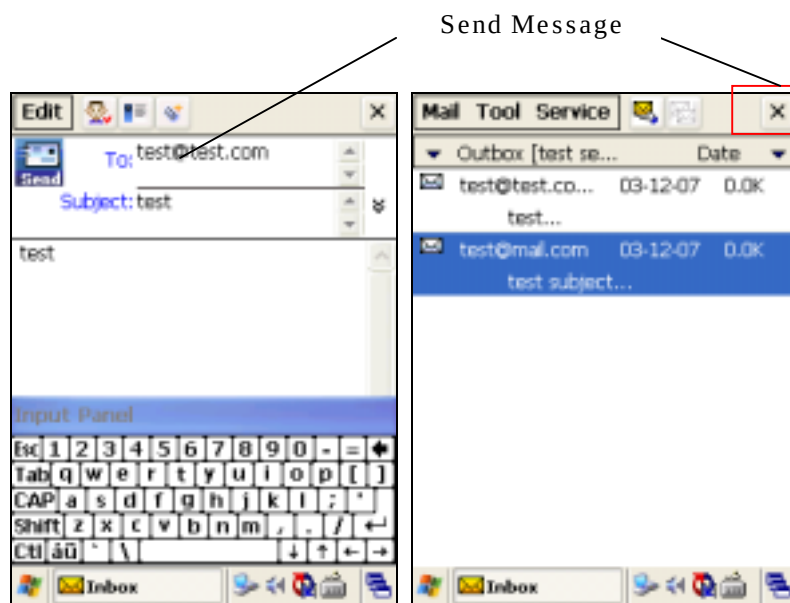
1. Select Inbox icon in a new registered account folder.
2. “Send”  and “Received”  icons are activated. Clicking them, you can receive messages after connecting to a Mail Server and authenticating ID and password.
3. View a message in HTML or TEXT according to the Setting.



Using SMTP Service

1. Move to a Sent box.
2. Type or write your message.
3. Tap “Send” icon() and send the message if it is connected to wireless/wired network. If not, tap “Close” button, select “yes” in Save Message Options and save the mail in Outbox.

If you want to send several messages in Outbox, click “Send” icon after tapping and selecting the messages with a stylus pen.



Move/Copy

You can move/copy several messages as well as a message to another folder.



1. Select a message or messages, press down for a while with a stylus pen and a popup menu shows up.
2. Select “Tool/Move Message” or “Tool/Copy Message”.

※ “Move Message” menu is not supported in ActiveSync Service.

Delete

1. Delete ActiveSync Service

If you delete the messages in Inbox, Outbox or Sent, they are moved to Deleted folder. Be careful the messages to be downloaded from PC are deleted.

2. Delete all messages in POP3/SMTP Service

You can receive a message from Server again though messages on PDA are deleted

3. Delete Service (User ID)

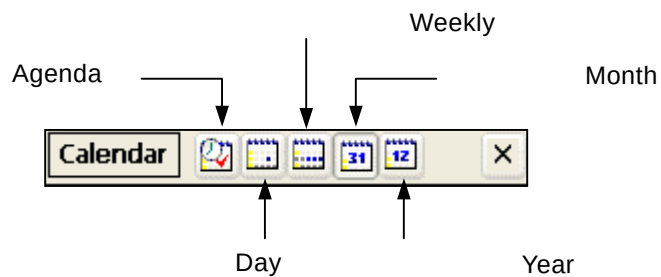
Delete all messages in the selected Service(User ID).

Calendar

Using the Calendar, you can schedule your appointments including meetings and other events and check your appointments in several ways: Daily, Weekly, Monthly, and Yearly calendar.

Menu Bar

Menu bar is shown below:



New Menu: create new appointment.

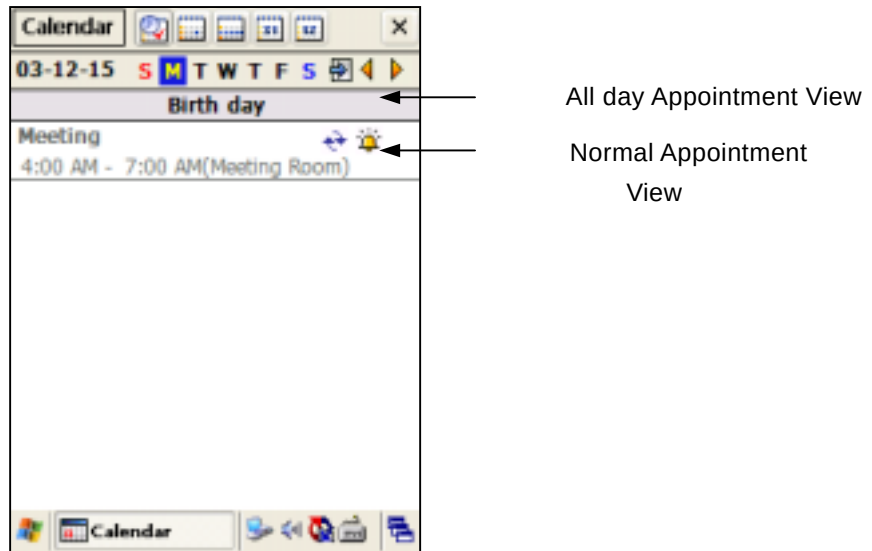
Tools Menu

Categories: shows category lists. You can add, delete, and modify category.

Options: set calendar options: set week view, show half hour slots, set reminding time, show/hide Icon, and Reminder Sound.

You can change view mode by just tapping view icon in menu bar.

Agenda View



You can view and set your "All day appointments" and "Normal appointments" in agenda view window. You can also edit schedules; New, Copy, Paste, and Delete.

"All day Appointment Item" shows only a Subject and "Normal Appointment Item" shows Subject, Start time, End time, Location and Icons (Reminder, Occurrence, Sensitivity).

The property of appointment is as following:

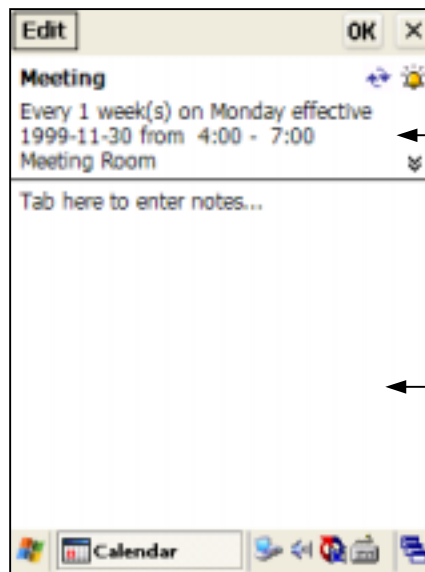
-  : Reminder Icon
-  : Occurrence Icon
-  : Sensitivity Icon

Appointment View

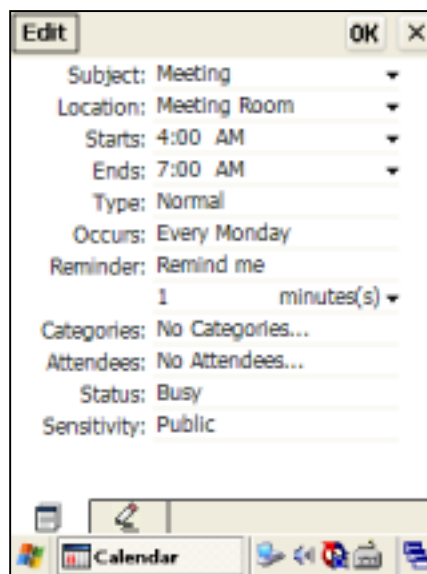
When you select an item from Agenda View, Day View, or Week View, you can see an appointment in details.

“Details View” shows Subject, Start time, End time, Location, Icons (Reminder, Occurrence, Sensitivity), attendees, Categories, and Status.

“Memo View” shows any additional information you wrote.



Tap each view window to edit an appointment. You will edit or view an appointment in detail with an attribute view window as follow:



 Appointment edit: edit appointment details

 Note edit: edit notes in appointment

Day View

Day View shows a schedule of any selected day and time. You can create a new appointment by selecting “New” in a menu bar. Also, you can change the appointment time by tapping an appointment item.

Day View supports “Edit” tool (Copy, Delete, Paste, and Cut) about the appointment item.

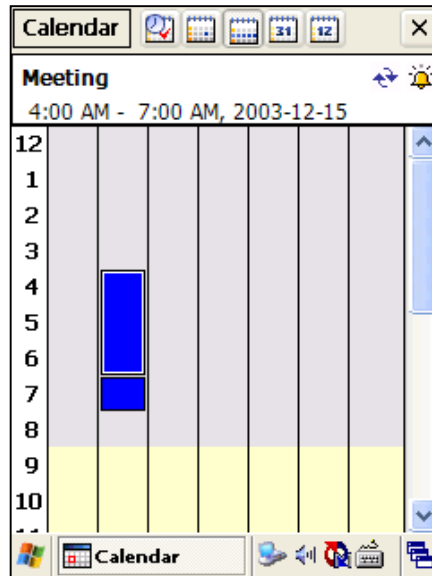


In the day view window, you can move to the Appointment View by tapping an appointment item and edit an appointment.

Weekly View

Weekly View shows appointments in any selected week. You can move the relevant “Day View / Year View / Month View” by tapping an appointment item.

Tap the arrow buttons in the upper part of the window and move to previous, this, or next week.



Month View

Month view is the default view of calendar.



You can see a monthly schedule. You can move to the relevant Day View by tapping an appointment item.

Tap the arrow buttons in the upper part of the window and move to previous, this or next month.

The appointment icon in the month view shows the property of an appointment. The property of icon is as follow:

Property Icons of Appointment	
ICON	Description
	Morning Appointment
	Afternoon Appointment
	Morning and Afternoon Appointment
	All day Appointment
	Move to today

Year View

Year View shows a calendar of a year with appointments.

You can move to the relevant “Day View” by tapping specific date.



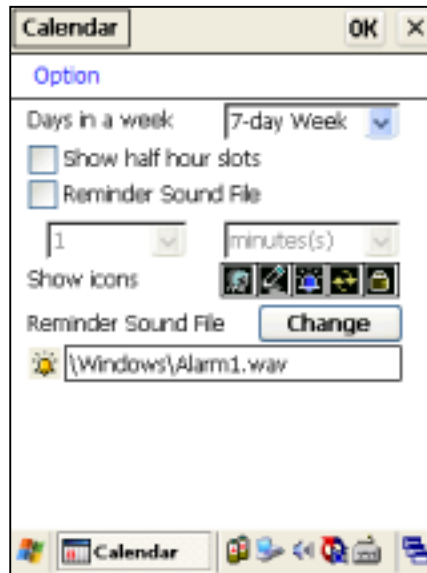
Tap a day from the calendar and then a drop-down box shows up.

You can select the year you want to see directly by tapping the arrow buttons in the upper part of the window and move to last or next year.

Options

You can set options of appointment.

Tap Tools > Option. Then Option window appears.



Week view setting: set number of days consists a week. You can select 5, 6, or 7 day week. If you select 5-day week, only 5 days (from Monday to Friday) shows in weekly view window. 6-day week shows from Monday to Saturday.

Half hour slot setting: show half hour slots in Day view window.

Reminder Time setting: enable remind and set remind time. Select remind time unit (minute(s), hour(s), day(s), a week(s)) and set remind time. Set value maintains even when creating new appointment.

Show Icon: set icon to display in calendar. Tap icon to display.

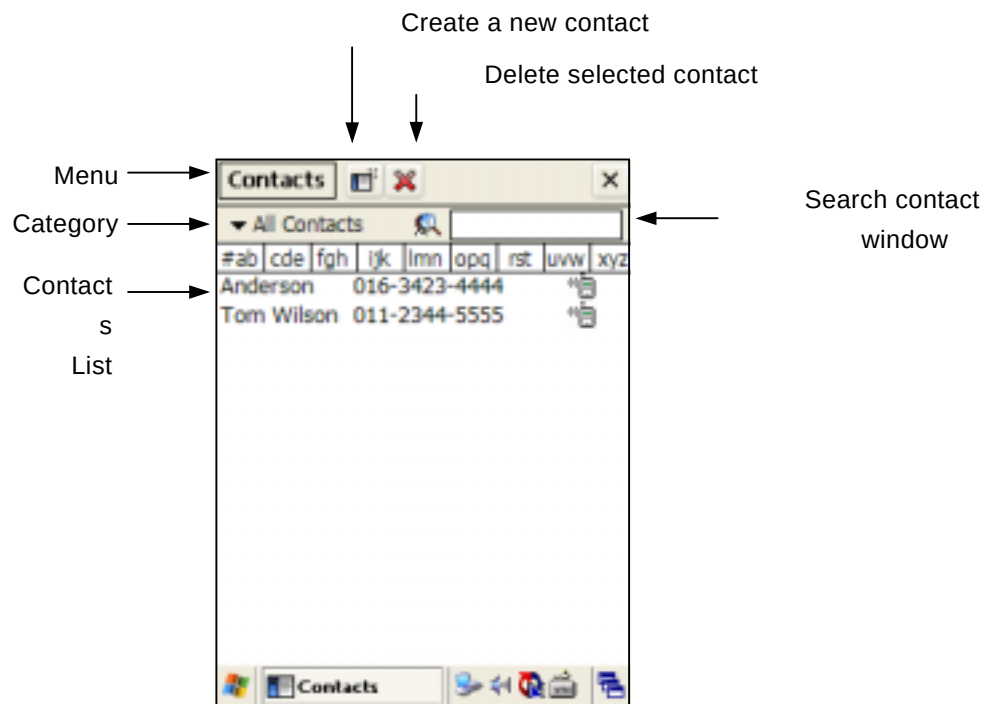
Reminder Sound setting: select sound for remind. At reminder time, DOT 320 alarm user using alarm sound and dialog box in tray. Reminder sound is in My Computer/Windows.

Contacts

Contacts maintains a list of your friends and colleagues so that you can easily find the information you are looking for, whether you are at home or on the road. Using Microsoft ActiveSync 3.5, you can quickly share Contacts information with your desktop PC.

Main contact window

The Main window of Contacts is as following:



Menu Bar consists of New, Tools Menu and Icon Menu Bar.

New Menu is for creating new contact. To create new contact, tap New. Then Edit Contact window appears. New contact appears in Contact List window.

Tools Menu is for setting options of contact.

Icons in Icons Menu Bar are as follow:

Back to Contact list: return to the main contact window.

Create a new contact: create new contact.

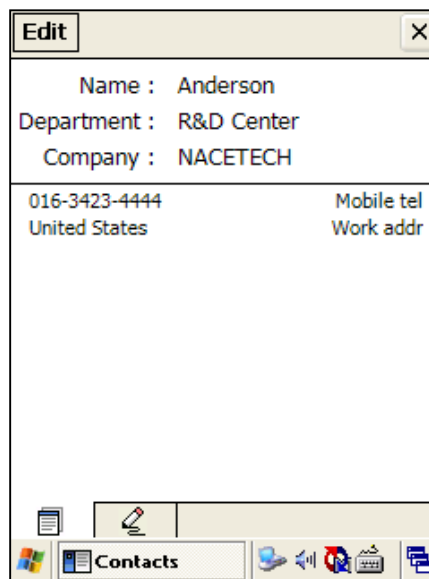
Delete selected contact: delete selected contact.

Display Method: sort contacts in Main Contact Window by Name, Company, Office Tel, Cellular phone, Home Tel, or E-mail.

Search Contact window: search contact. Enter the key-word to find in Search Contact window and tap Search icon. Then Main Contact window shows the contacts including key-word. To show all of the list again, tap the icon beside the input window.

Brief View

Tap a contact in the main contact window. The brief information for the selected item shows. Tap Brief Contact window to change to Edit Contact window.



The screenshot shows a window titled 'Edit' with a close button (X) in the top right corner. The window contains the following information:

Name : Anderson	
Department : R&D Center	
Company : NACETECH	
016-3423-4444	Mobile tel
United States	Work addr

At the bottom of the window, there is a toolbar with icons for a document, a pencil, and a list. Below the toolbar, the word 'Contacts' is displayed. At the very bottom of the screen, there is a Windows taskbar with the Start button and several application icons.

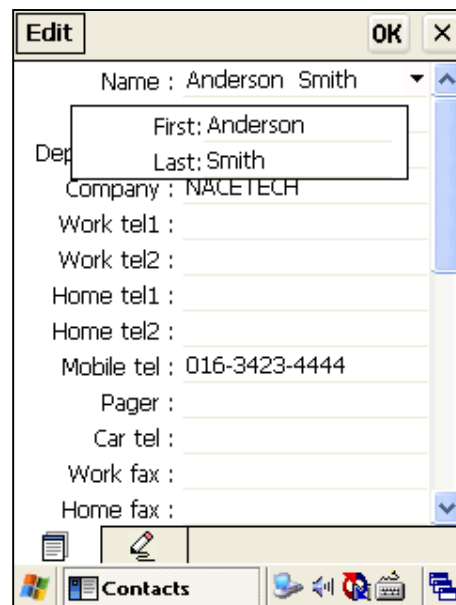
Edit View

You can create a new contact or edit exist contacts in Edit Contact window.

Some items have an arrow next to the input box. You can enter detail of item with arrow in two ways:

- 1) Tap the item and enter details.
- 2) Tap the arrow next to the input box. Then detail input box of selected item appears.

After completing editing, tap close to save or dismiss. Saved contact will appear in Main Contact list.



Options View

Lists view Settings:

1. Show 'ABC' tabs: Decide to show the alphabetical order column such as '#ab', 'cde' in the main contact window.
2. Use bold font: Set to use bold font

Region Settings:

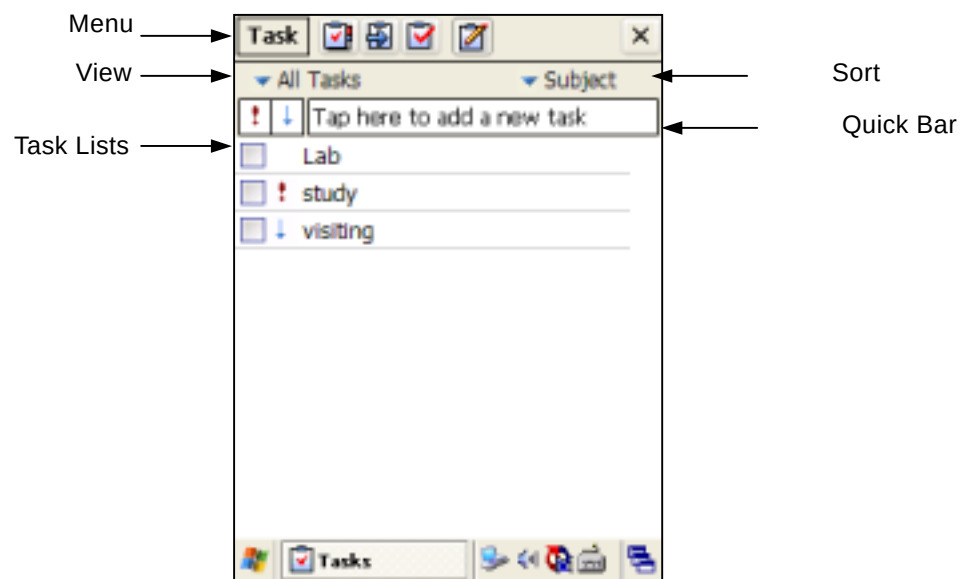
1. Area code: Enter an area code.

Tasks

Use Tasks to keep track of what you have to do. When you tap a task in the Task list, a summary window of the information you entered is displayed.

In the task list, overdue tasks are displayed in red.

TASK Main View



Menu Bar: consists of New Menu, Tool Menu, Quick icons.
 Tap New > New Task to create a new task, Task Edit window appears. You can set up options of task in Tool > Options.

Quick icons: Enables to select the Categories menu quickly

-  Shows all lists
-  Shows only the tasks in progress
-  Shows only the completed tasks
-  Show Quick Bar in main window

View Categories: show task list by category. You can edit category list in Category in Task Edit window. And you can view only Active task or Completed task by selecting category.

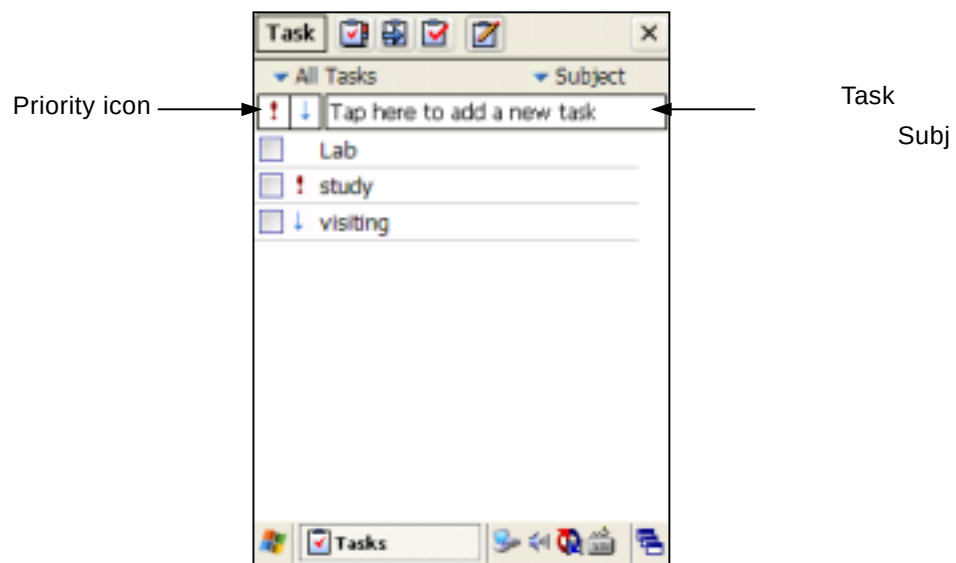
Sort Tasks: sort task by Status, Priority, Subject, Start Day, or Due Day.

List View: show tasks. Icons before task name describes as follow:

- ☐ shows the status of being in progress
- ☒ shows the status of being completed
- ! shows high priority tasks.
- ↓ shows low priority tasks.

You can view details of task by tapping the name of task in task list. Then Task Brief View window shows details of selected task. You can edit selected task by tapping Task Brief View window.

TASK Quick Bar

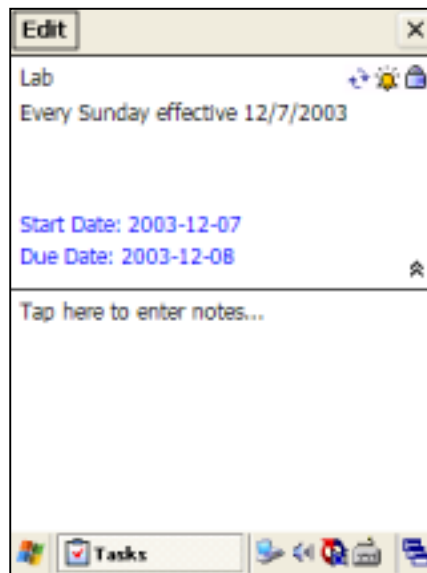


To enable the Quick Bar:

1. Tap the quick bar icon from the Toolbar or Tool/Quick Bar from the menu to show a Quick Bar.
2. By enabling the Quick Bar, without setting the additional task in details, you can set only the task name and the priority quickly.
It also makes it possible to set IM automatically by selecting an edit window directly or tapping the Priority icon on the Quick Bar window.
3. To delete or copy task:

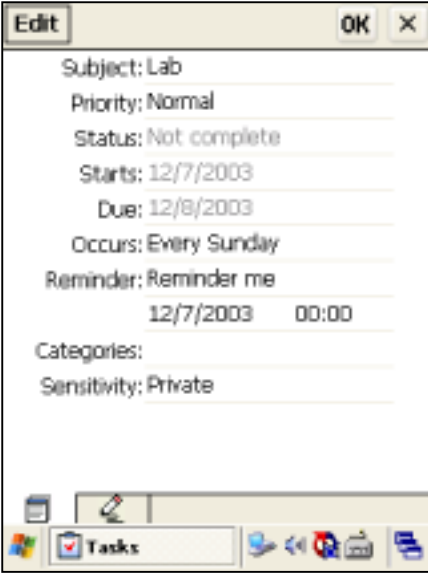
- a. Tap-and-hold note to delete/copy. Appreciate window appears.
- b. Select Delete or Create Copy.
- c. The task dialog box for confirming deletion appears.

TASK Brief View



1. Tap the arrow in right-down in Brief View window. Then Start and Due date appears.
 2. Tap the upper part of task, then task edit window appears.
 3. By tapping the lower part of task, you can add a note to a task.
-

Task Edit View



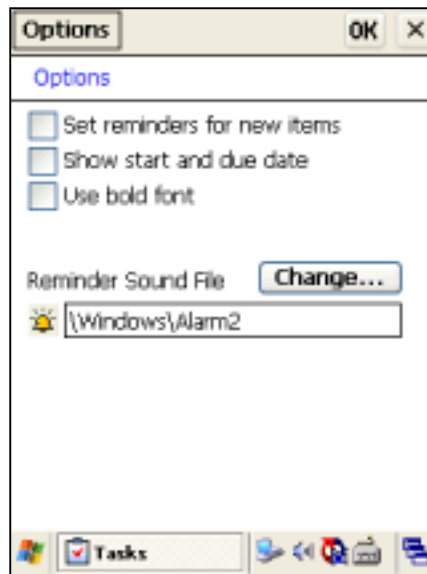
The screenshot shows a 'Task Edit' dialog box with the following fields and values:

Field	Value
Subject	Lab
Priority	Normal
Status	Not complete
Starts	12/7/2003
Due	12/8/2003
Occurs	Every Sunday
Reminder	Reminder me 12/7/2003 00:00
Categories	
Sensitivity	Private

At the bottom of the dialog, there is a toolbar with icons for a calendar, a notepad, and a 'Tasks' button. The 'Tasks' button is highlighted.

1. When tap New > New Task or Task brief view window, Task Edit window appears. Enter information to each item and close Task Edit window. Then new task appears in Main Task window.
2. You can add a note to task by tapping Note icon under the Task Edit window. You can create a note by transcribes or Soft keyboard.

Set up Task options



To set up Task Options:

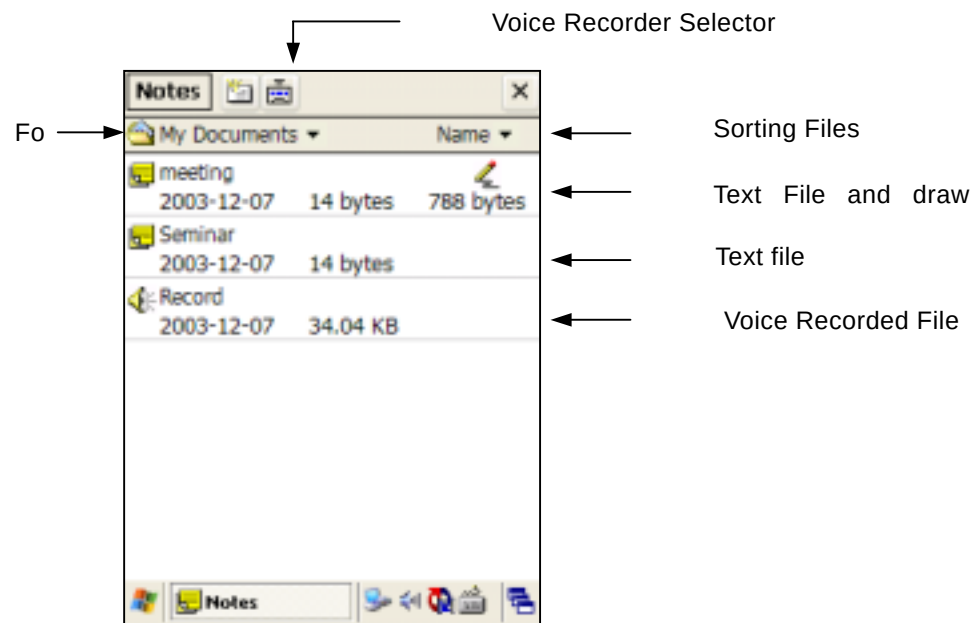
1. Select Tool > Options. Options window appears.
2. Check Set reminders for new items for reminding user of a new task.
3. Check Show start and due date to show start and due date in main task window.
4. Check Use a large font to use capital characters.
5. Tap Change to change the sound for alarm. My Computer/Windows Directory에서 Select the sound file for alarm. Wav. files can be used for alarm.

Notes

The Notes is used for the user to quickly capture thoughts, reminders, ideas, drawings and phone numbers.

And Notes can be linked with all PIMs applications.

Notes is consisted of Text Editor, Draw Editor, and Voice Recorder.



Each menu of Notes is:

Notes Menu: Make a new note and view about for notes program.

 Voice Recorder Icon: Tap Voice Recorder icon or press Voice record button, then Voice Recorder Tools appears. You can process voice recording using Voice Recorder Tools.

Folder Selector: Select a folder to save a new note.

Sorting files: Sort notes ordered by Name, Date, Size, or Type.

Create New File: Tap File > New, then Text Edit window appears.

Icon of Menu Bar is as following:



Edit Menu: edit selected text: Select All, Clear, Paste, Copy, Cut, and Undo.



Draw Editor Icon: save information or Memo by drawing by Stylus Pen.

Text Edit Mode

You can input the character by soft keyboard or handwriting, and also can draw as instructed below.

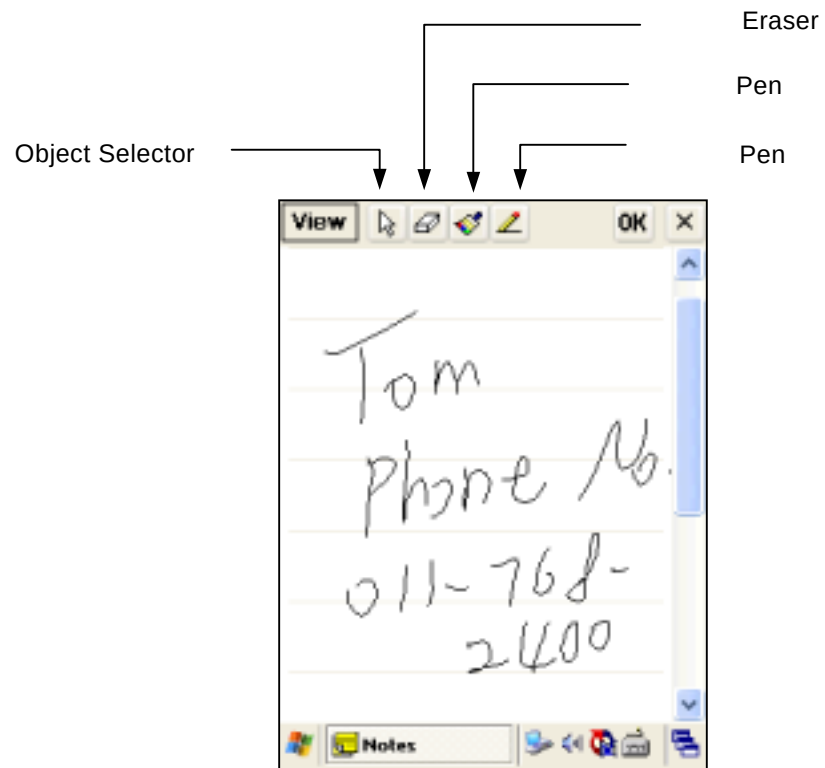
Using soft keyboard:

1. Run Notes.
2. Tap File > New. Edit window appears.
3. Tap keyboard icon in taskbar.
4. Input the character by tapping soft keyboard.

Using Transcriber:

1. Run Notes.
2. Tap File > New. Edit window appears.
3. Tap Transcriber icon in taskbar. If there is not a transcriber icon in taskbar, run transcriber first.
4. Draw the character by stylus pen on the Note Pad for recognizing it into text.

Draw Editor



Draw memo using stylus pen.



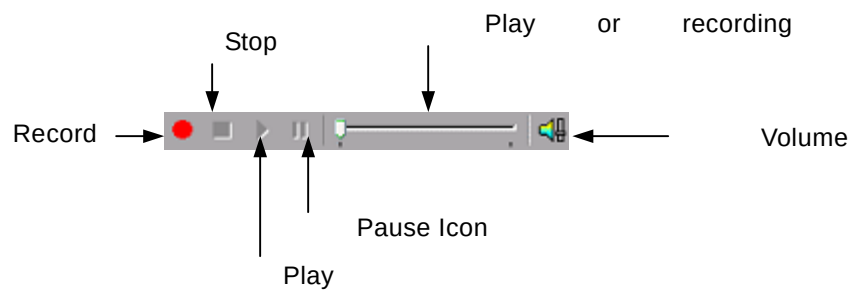
Note:

Drawing edit do not support Transcriber.

To erase a drawn memo, tap Object Selector, and drag to select object, then tap Eraser.

Tap close to save memo.

Voice Recorder



You can record voice using Voice Recorder Tools.

Tap Record Icon or press Voice Recorder Function Button.

While recording, Progress Bar shows now recording.

To stop recording, tap Stop Icon or press Voice Recorder Button again.

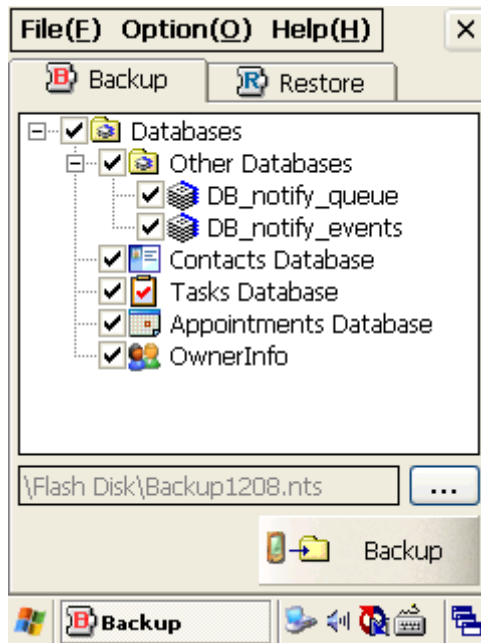
By tapping Play Icon, you can play the recorded voice or sounds.

You can control volume by tapping Volume Control Icon. By sliding, the volume is up or down

In order not to use Voice Recorder, tap Voice Recorder Selector in Menu Bar.

PIMs Backup

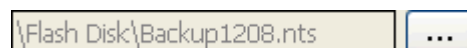
xPIMS3.0 Backup is a program that can restore data on Database when you reset PDA system or an unexpected problem occurs. First you should backup them to get data.



1. Backup Item

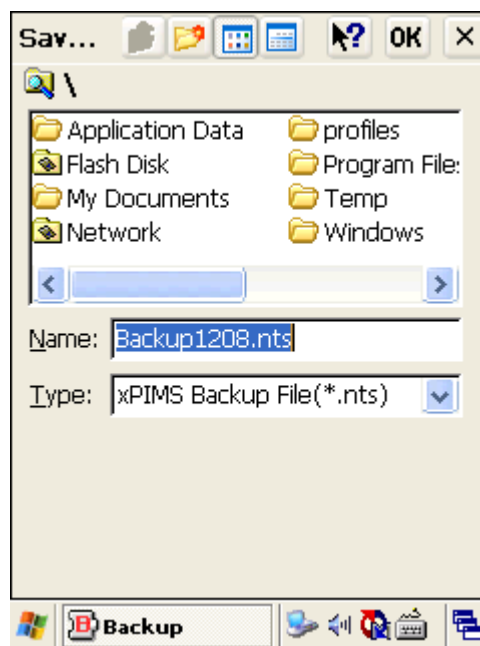
- Show the list of Database in PDA.
- Select Databases checking the check box(☒).
- Data except main PIMS(Contact, Task, Appointment) are listed under the “Other Databases” Node.

2. Setting Path of Backup File

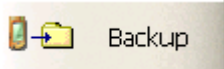


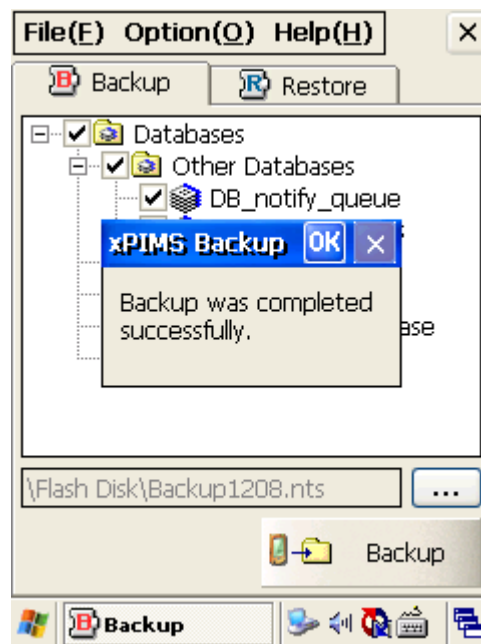
- Set the Path to store a backup file.

- The basic path is set to “Backup month day.nts” of Assistant storage such as Storage card, Flash Drive, etc. but it is set to “Root directory (W) Backup month day.nts” in case there is no assistant storage.
- Set a file by tapping  button when specifying a path.

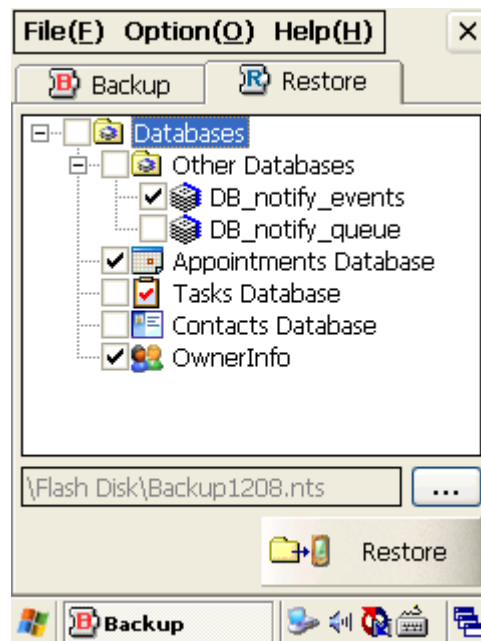


3. Backup

- Select the databases you want in tree items of Backup program and backup by tapping  button, and backup.

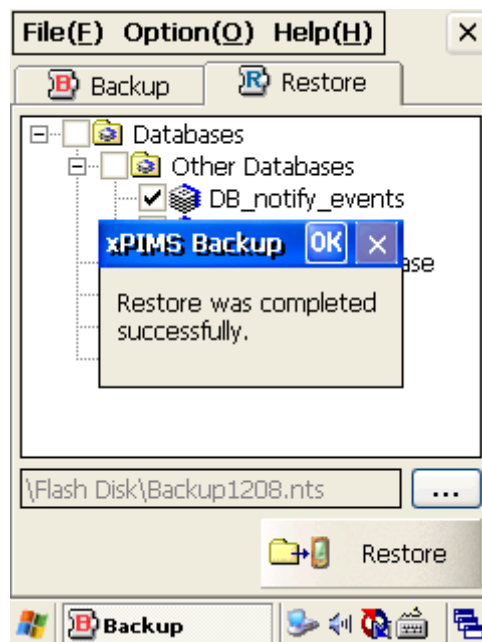
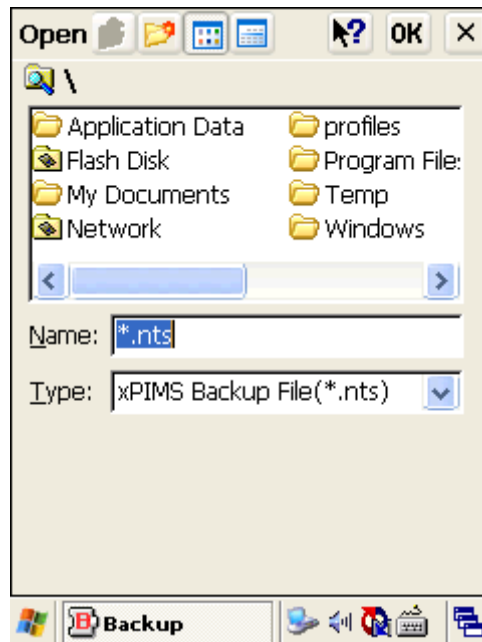


4. Restore

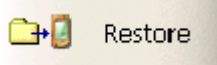


- Select the backup file by tapping the Restore panel and  button.

- If you tap the  Restore button without selecting any specific backup file, “Set File Name” Window shows up.



- Complete to restore by selecting the check box (☒) , deciding whether restoring or not, and tapping



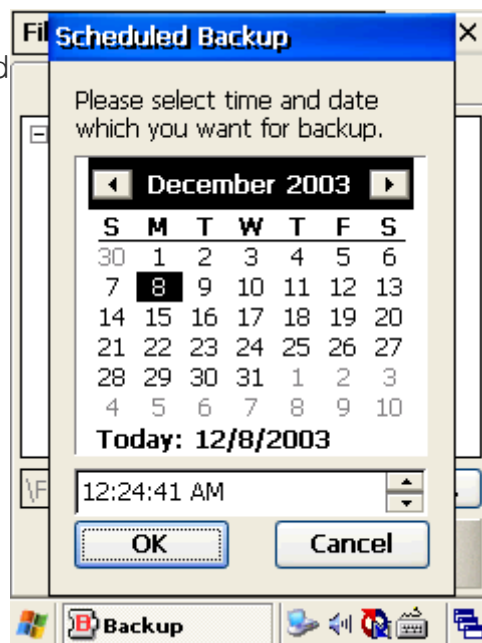
button.

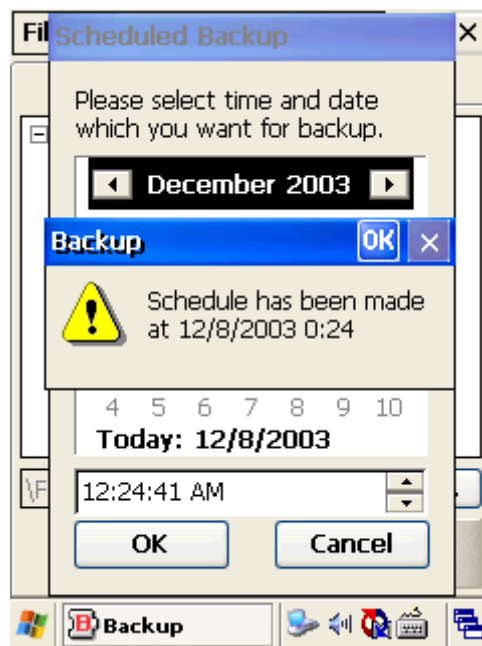
5. Auto Backup Reservation

- Backup automatically at the time you want.

- Select “Options (O) -> Auto Reservation (A)”

on a d... how to set up



**Figure 1 Scheduled Backup Reservation****Figure 2 Scheduled****Backup****Notification****Message**

– Backup Time is reserved by selecting the date you want and tapping the 'OK' button.

8. Using Application Software

Calculator

DOT 400 provides Nacotech's Redcal calculator. You can use this not only for the simple calculation, but also for the engineering calculation, simple programming, unit conversion, exchange rates, notation conversion, and graph.

To use calculator, select Start > Programs > Applications > Calculator.

For more details, refer to the Redcal User's Guide in the bundled CD-ROM.



Viewer

You can view image files using Viewer. To run Viewer, select Start > Programs > Application > Viewer. The Viewer supports the following image file types: jpg, gif, bmp, tif, and png.

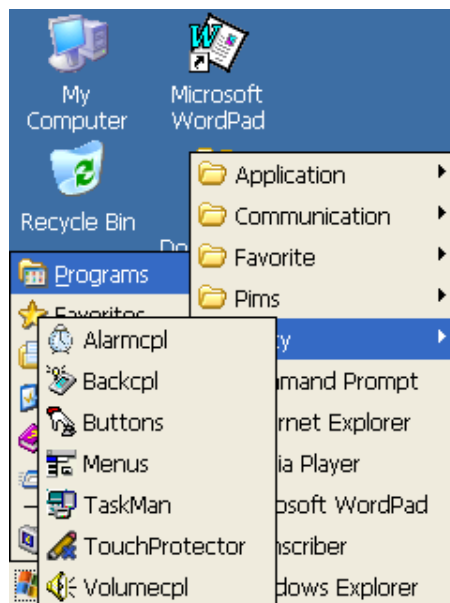


Icons and Functions of the Viewer		
Icon	Name	Description
	Open	Opens image files
	Zoom in	Zoom in the current image
	Zoom out	Zoom out the current image
	Full Screen Mode	Switches to Full Screen Mode.
	Slide Show	Displays all images in My Computer in a slide show manner.
	Fit image to screen	Fits images to screen size.
	Previous image	Displays the previous image.
	Next image	Displays the next image.

9. Using Utility Programs

You can use your DOT 400 more conveniently using utility programs.

Select Start > Programs > Utility to use utility programs such as Menus, Backlight, Buttons, Qstart, TaskMan, and Contrast.



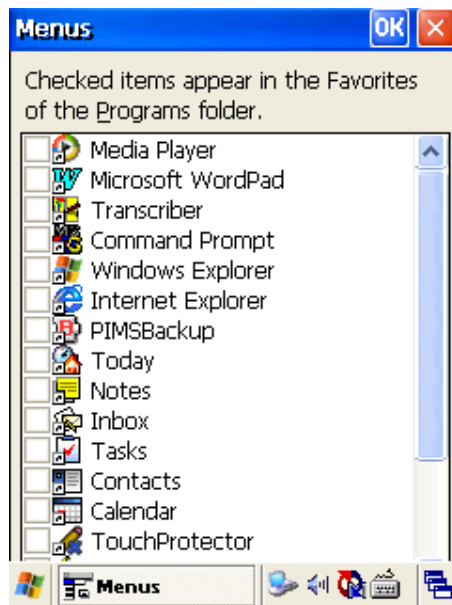
Menus

In Menus, you can select the programs to appear in Favorites.

The programs you installed appear automatically in the program list.

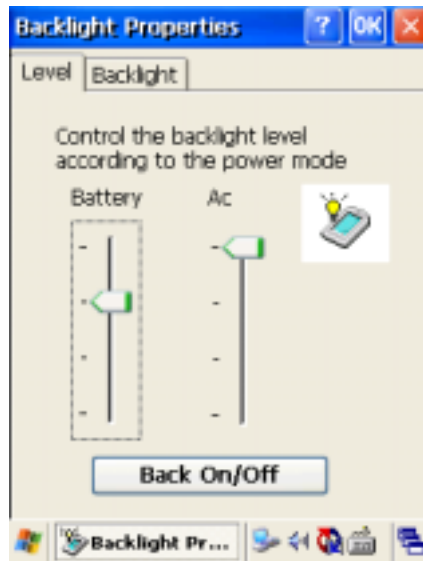
Select the programs to add in the program check box list, and tap **OK**.

You can see added items by selecting Start > Programs > Favorites.



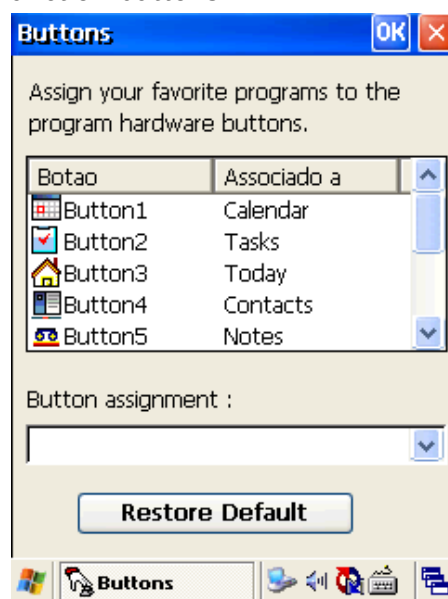
Backlight

You can adjust the brightness level of the display. The brightness level can be set differently depending on the external power mode and battery mode. You can also set the display to be automatically turned off after a certain period of inactivity. There are four brightness levels- Max, High, Medium and Low. Select it by moving the slide bar.



Buttons

You can assign your application programs to the specific function buttons.



To change the assignment of each button:

1. Select a button to change its assignment.
2. Choose an application to assign from the button assignment drop-down list.
3. You can assign different functions for pressing and pressing-and-holding.
4. To restore the default assignment, tap Restore Default.

Volume

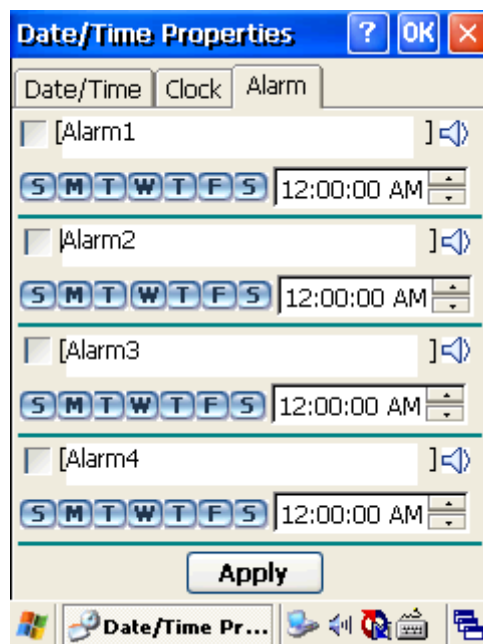
You can adjust system volume. This leads you to the Volume Setting tab in the Control Panel.

Alarm

You can set alarms. This leads you to the Alarm Setting tab in the Control Panel.

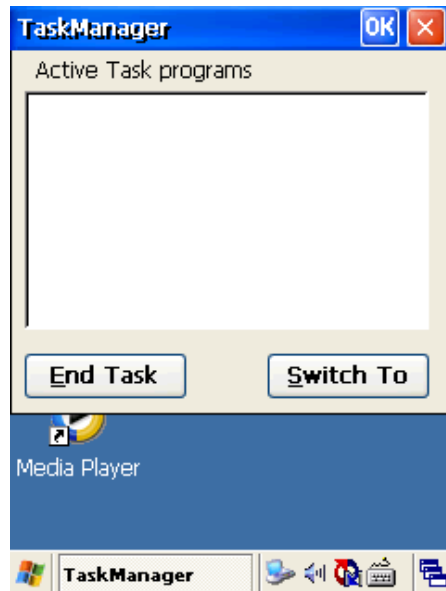
You can set up a maximum of four alarms by setting the time and date.

In the alarm options, you can set the desired alarm type.



Task Manager

Task Manager shows the list of currently running programs. You can switch to other task, end or cancel a task.



Touch Protector

This prevents the touch screen from being pressed unnecessarily while enjoying music or moving pictures.

To relieve the locked touch screen, tap the enter key of the function button.

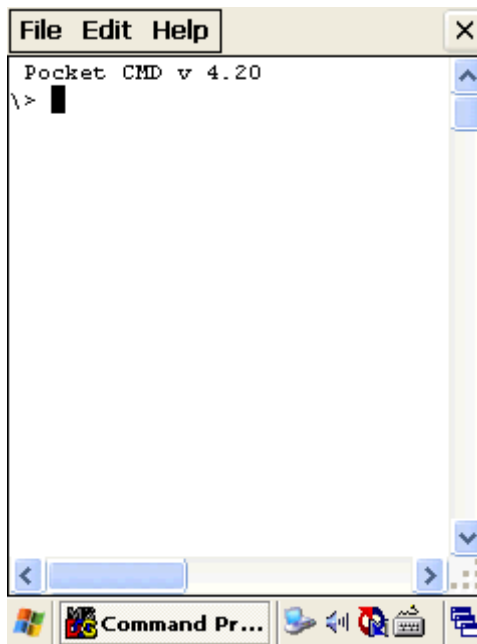


10. Using Microsoft Applications



Command Prompt

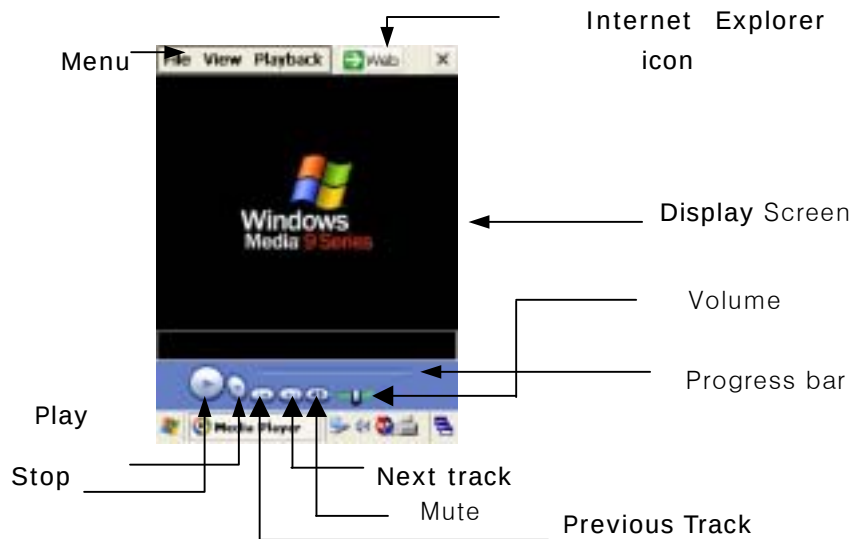
DOT 400 has a window console for pocket CMD. You can use DOS commands using pocket CMD.



Microsoft Media Player

You can enjoy digital music and movies using the Microsoft Windows Media Player. Media Player supports the following multimedia formats: ASF, WMA, ASF, MPEG, and AVI.

If an audio file is not in the format that DOT 400 supports, you can play it after converting it to a supportable file format using "Microsoft Windows Media Encoder" in the desktop PC.



Volume Control: Adjusts volume by moving the slider.

Track Navigation: Chooses the previous and the next track.

Internet Explorer Icon: Runs Internet Explorer. You can download or play multimedia files from Web sites using Internet Explorer.

File

Open: Opens multimedia files from a certain URL or folder. You can play a streaming media file without downloading.



To play a streaming media file, you must be connected to a network. For more information about creating a remote connection between your DOT 400 and a network, ask your network administrator.

Playlists: The customized lists of multimedia files. The first time you start Windows Media Player, there are two default playlists: Local Content and Web Favorites.

Local Content contains all the multimedia files found in your DOT 400 and the CF memory card. You cannot edit Local Content.

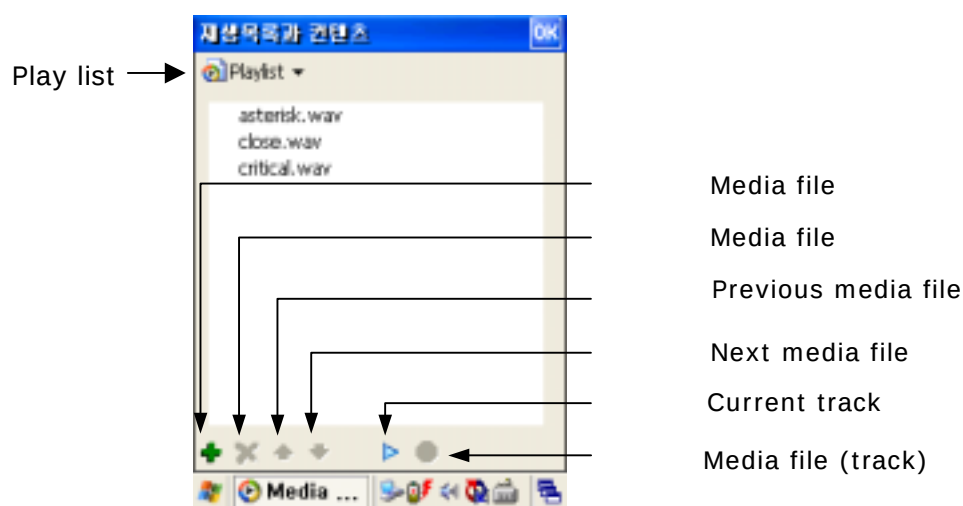
Web Favorites lists your favorite streaming media files. By default, the Web Favorite playlist is empty. You can create or edit the Web Favorite playlist as follows:

To edit a playlist:

1. Select File > Playlist.
2. Tap the Local Content icon and select Organize Playlists.
3. Tap New and enter the name of a new playlist. The default name is "Playlist"
4. Select the created playlist and tap **OK**.
5. The Playlist window appears and displays all multimedia files in your DOT 400 and the CF memory card. Select files to add, then tap **OK**. The Playlist window shows selected multimedia files.

To edit a playlist:

1. Select File > Playlist.
2. Tap the name of the playlist and select Organize Playlists.
3. Select a playlist to rename or delete
4. You can add, delete, or play multimedia files within a playlist.

**Favorites**

You can play multimedia files more quickly using Favorites.

To add a multimedia file or streaming media file to Favorites:

1. Play a multimedia file to be added to Favorites.
2. While a multimedia file is being loaded, select File > Favorites > Add to Favorites.
3. Added files are displayed under Favorites.

View

Zoom In/Zoom Out: Zooms in or out the playing screen. You can select 50%, 100%, or 200% or original size.

Full Screen: Plays video files in full screen mode. Available only with video files.

Statistics: Shows statistics of media player: opened file name, source protocol, and memory usage.

Properties: Shows the properties of opened file: filename, duration, audio frequency, mono or stereo, and copyright.

Options: Sets options of media player.

<Window Media Buffering>: Sets the buffering time by moving the Slider. Default buffering time is 3 seconds.

<Playback>: Sets the play mode. You can select Play once or Repeat forever.

Play

Play: Plays opened file.

Pause: Pauses playing file.

Stop: Stops playing file.

Mute: Mutes sound. To enable sound, select Mute again.

Repeat: Plays repeatedly.

Shuffle: Plays files in random order.

Web Icon

You can go to the web page of Window Media Player.

Internet Explorer



You can explore Internet or Intranet using Pocket Internet Explorer on your DOT 400. You need a modem or an Ethernet card to connect to an Internet service provider (ISP) or a network. To set up Pocket Internet Explorer, refer to **6. Setting Up DOT 400**.

You can use Pocket Internet Explorer just like Internet Explorer on your desktop PC.

Pocket Internet Explorer is comprised of four parts: **Menu bar**, **Address bar**, **Content window**, and **Status bar**.

Menu bar

There are two menus: file menu and icon menu. The default menu is the file menu.

To switch to other menu, tap the explorer menu icon.

File menu

Open: Opens files. You can open various files such as HTML, Text, GIF, JPEG, AIFF, and XBM with Pocket Internet Explorer.

1. Select File > Open.
2. Select a file to open. You can select a file type from the Type drop-down list.
3. Tap **OK**.

Save As: You can save current web page to view later even when disconnected from the Internet or Intranet without using cache memory.

To save a copy of the current page:

1. Select File > Save As.
2. Specify a folder location and enter the file name.
3. You can save page as HTML or as text only. Select the save type using the Type drop-down list. You can view the HTML source code if you save it as text.
4. Tap **OK**.



주의

If you save a copy of a page, images will not be displayed and links will be disabled. And the web pages containing frames will not display those frames. Instead they will display only the frame structure. To save an individual frame, tap **ALT** and the frame. Then select Save As or Save Picture As from the shortcut menu. Some frames are designed not to be saved. Such frames will not be displayed even if you open them as saved files from Windows Explorer.

Work Offline: In case of the Web site you have already visited, you can instantly view the page offline using the data left in cache.



In the Work Offline mode, the links to web pages will be disabled. When viewing cached Web pages that use frames, only the first frame of each frame will be displayed.

Edit

You can edit browsed web pages after saving them.

Find: You can find a word or string.

1. Select File > Find. The Find window appears
2. Enter a word or a phrase to find in the Find What box.
3. Check the box Match Case to distinguish uppercase and lowercase letters.
4. Select search direction. You can find upward or downward.
5. Tap **Find Next** to find.

View

Text Size: Changes text size. You can choose a proper font size among Largest, Larger, Medium, Smaller, or Smallest.

Encoding: Selects a language to encode a page. Default is Auto-Select. To choose a specific language, select language from the More list.

Go: Moves to home page or search page.

Refresh: Reloads current page.

Stop: Stops loading.

Hide Toolbar: Enables you to use larger screen.

Internet Options: Sets up Internet options. For more information, refer to **6. Setting Up Dot 400**.

Favorites

Add to Favorites: You can add pages to Favorites for easy access.

To add the current page to Favorites:

1. Go to the page you want to add.
 2. Select Favorites > Add to Favorites. The Add Favorite window appears.
 3. Confirm or change the name.
 4. To locate a folder you want, tap Create In and select a folder.
-

5. Tap **OK**.

Organize Favorites: You can reorganize the added pages.

To organize Favorites:

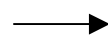
1. Select Favorite > Organize Favorite. The Organize Favorites window appears.
 2. Select a favorite page to edit, and then tap an appropriate button.
 3. You can rename, move, or delete page. To create a new folder, tap Create folder.
-

Icon menu

There are 6 icons on explorer menu: Back, Forward, Stop, Refresh, Home, and Search.

Refer to the appropriate file menu for more information.

Menu toggle icon



Address Bar: You can move to other page by entering URL in the address bar. And you can view URL history by tapping the arrow next to the address bar.

Content Window: Displays a page in this window.

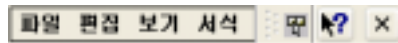
Status Bar: Shows the status of access process.



Microsoft WordPad

You can create or edit documents using Microsoft WordPad. The buttons and menus are similar to those of Microsoft Word.

WordPad documents are typically saved in the .pwd file format, but you can also save them in the .rtf or .doc file format.



Microsoft WordPad provides two menus: file menu and icon menu.

Menu bar

File Menu

New: Creates a new document. You can also make a new document from a template.

Open: Opens an existing file. You can open files in the following formats: txt, doc, and dot.

Save: Saves the current document. You can save documents as WordPad documents (*.pwd), Word 97/95/6.0 compatible documents (*.doc), or Word 97/95/6.0 compatible template (*.dot).

Password: You can protect your documents by setting the password.

To set a password:

1. Select File > Password.
2. Enter and verify the password.
3. Select File > Save to retain the password.

Print: Prints the current document. To use the print function, you must connect your DOT 400 to the desktop PC and set up a printer.

Recent Files: Lists most recently opened files.

Close: close and exit WordPad.

Edit

Undo: Undoes action.

Redo: Redoes action. Available after Undo.

Cut: Cuts selected text or objects.

Copy: Copies selected text or objects.

Paste: Pastes cut/copied text or objects.

Clear: Deletes selected text or objects.

Select All: Selects all texts or objects in a document.

Find: Finds a text. Enter a keyword and tap **Find Next**. There are two options: Match the whole words and Match case.

Find Next: Finds next matched text.

Replace: Finds text and replaces with another text.

View

Normal: Normal view. Document is displayed at its actual size.

Outline: Outline view. You can see an outline of a document.

Wrap to Window: Wraps WordPad to window.

Full Screen: Sets to full screen mode.

Zoom: Zooms in or out. You can customize the zoom level.

Format

Font: Sets fonts. You can set the font of selected text. Select the font, font size, color, and font style. Tap Apply Default to restore default settings, and tap Set as Default to use new default settings.

Paragraph: Sets the paragraph of selected text. Select Alignment (Left, Right, or Center), Style and indentations. Tap Tabs for setting tab, then the Tabs window appears.

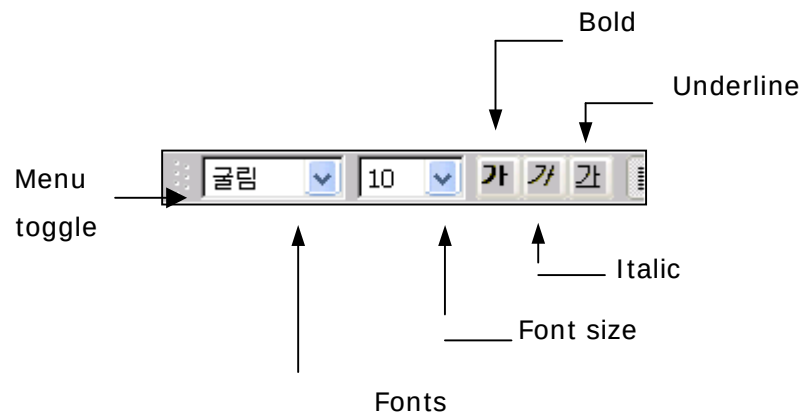
Tabs: Sets tabs. Enter the tab stop position and tap set.

Tools

Insert Symbol: Inserts symbols. Select font and select symbol to insert. You can find symbols quickly using Subset of fonts.

To change icon menu, click the See Other Menu icon. You can change the font and size of letters, and select Capital/Small character easily and quickly.

You can move menu by tapping and dragging.



Microsoft WordPad provides two menus: file menu and icon menu.

Menu bar

File Menu

New: Creates a new document. You can also make a new document from a template.

Open: Opens an existing file. You can open files in the following formats: txt, doc, and dot.

Save: Saves the current document. You can save documents as WordPad documents (*.pwd), Word 97/95/6.0 compatible documents (*.doc), or Word 97/95/6.0 compatible template

(* .dot).

Password: You can protect your documents by setting the password.

To set a password:

1. Select File > Password.
2. Enter and verify the password.
3. Select File > Save to retain the password.
4. Select File > Password.
5. Enter and verify the password.
6. Select File > Save to retain the password

Print: Prints the current document. To use the print function, you must connect your DOT 400 to the desktop PC and set up a printer.

Recent Files: Lists most recently opened files.

Close: close and exit WordPad.

Edit

Undo: Undoes action.

Redo: Redoes action. Available after Undo.

Cut: Cuts selected text or objects.

Copy: Copies selected text or objects.

Paste: Pastes cut/copied text or objects.

Clear: Deletes selected text or objects.

Select All: Selects all texts or objects in a document.

Find: Finds a text. Enter a keyword and tap **Find Next**. There are two options: Match the whole words and Match case.

Find Next: Finds next matched text.

Replace: Finds text and replaces with another text.

View

You can select either normal or outline view.

Normal: Normal view. Document is displayed at its actual size.

Outline: Outline view. You can see an outline of a document.

Wrap to Window: Wraps WordPad to window.

Full Screen: Sets to full screen mode.

Zoom: Zooms in or out. You can customize the zoom level.

Format

Font: Sets fonts. You can set the font of selected text. Select the font, font size, color, and font style. Tap Apply Default to restore default settings, and tap Set as Default to use new default settings.

Paragraph: Sets the paragraph of selected text. Select Alignment (Left, Right, or Center), Style and indentations. Tap Tabs for setting tab, then the Tabs window appears.

Tabs: Sets tabs. Enter the tab stop position and tap set.

Tools

Insert Symbol: Inserts symbols. Select font and select symbol to insert. You can find symbols quickly using Subset of fonts.

To change icon menu, click the See Other Menu icon. You can change the font and size of letters, and select Capital/Small character easily and quickly.

You can move menu by tapping and dragging.

Converting Document Format

If an E-mail program such as Inbox is installed on your DOT 400, and you receive an attached Word document or template created in Word version 6.0 or later, WordPad will convert the file to open with your DOT 400. To convert the document, simply open the attachment in your E-mail program or open the file in WordPad. Converting proceeds automatically.

During conversion, some formatting attributes may be changed or lost. To avoid losing attributes, save a document with a different file name, then close the document. Changes caused by Word document conversion are as follows:

Borders and Shading: Borders and shading are not displayed in WordPad, but are restored when converted back to a Word document. Shading is not restored when used in a table, but simple borders are restored.

Text Format: Bold, italic, strikethrough, superscript, subscript, and hidden text are retained and displayed. Other effects are changed or removed.

Colors: Colors are retained and mapped to colors available on your device.

Fonts and Font Sizes: Fonts not supported by your DOT 400 are mapped to the closest font available in WordPad.

Page Format: Headers, footers, footnotes, columns, and page set-up information are removed during conversion to WordPad. WordPad supports built-in headings.

Paragraph Format: Tabs, alignment, bullets, indentation, simple numbered lists, and paragraph spacing are retained and displayed in WordPad.

Pictures: Pictures are removed during conversion.

Table of Contents: Table of Contents and some formats are preserved. However, any text set aligned at the right tab stops may wrap to the next line. Index text and some formats are preserved.

Tables: Tables appear as a tab-delimited text. Cells containing wrapped text, tabs, or paragraph markers may be difficult to read. Simple tables are displayed accurately and restored when you convert the WordPad file back to a Word document. OLE Objects are removed during conversion.



Transcriber

The Transcriber (or Character Recognizer) is an on-screen handwriting application that interprets the strokes of your stylus on the screen into typed letters in the active document. You use the stylus to write in the input panel just as if you were writing on a piece of paper. This chapter will describe How to use and customize Microsoft Transcriber as bellows.

Using Microsoft Transcriber

Transcriber Features

Starting Transcriber Program

Selecting Text

Editing Text

Transcriber Gestures

Alternates List

Transcriber Keyboard

Transcriber Tooltray Icons

Transcriber Correction Window

Transcriber Calculator

Transcriber Features

1. Microsoft Transcriber is the natural handwriting recognition solution. It recognizes words from its integrated dictionary, and allows you to write in cursive, print or mixed handwriting.
2. The Letter Shapes Selector is for optimizing recognition to your own handwriting style.

Transcriber works transparently in the background of all Windows® CE applications providing handwriting input, while taking away no precious screen space.

Starting Transcriber Program

Start Transcriber by double tapping Transcriber icon in the Main windows. When Transcriber is running, you will see the 'hand with a pen' icon in the task bar. When Microsoft Transcriber is active, the 'hand with a pen' icon will have a dark background.



Activated Transcriber icon



Inactivated Transcriber icon

Selecting Text

When Microsoft Transcriber is active it interprets pen movement across the screen as handwriting input. There are two methods of selecting text:

1. Double-tap the desired text. This will temporarily suspend Microsoft Transcriber ink so you can perform actions such as dragging windows, icons, scrollbars, etc.

Note: some applications may open a context menu if you wait even longer.

For Selecting a phrase, triple-tap the desired text or phrase. You can select the phrase.

2. Alternatively, you can make a selection (text, menu items, etc.) or drag (icon, scrollbars, etc.) by drawing a line across the selection and holding the pen still for a second at the end. The ink will disappear and the desired block becomes highlighted, or the dragged object will move to the pen tip location.

Editing Text with Transcriber

Transcriber provides convenient gestures for text editing. They allow you to remove, capitalize, and perform cut/copy/paste operations with just a stroke of the pen.



Enter: Equivalent to pressing "Enter" on the keyboard.

Make sure that the horizontal part of the gesture is at least two times longer than the vertical part.



Space: Inserts a space at the current text cursor position. Make sure that the horizontal part of the gesture is at least two times longer than the vertical part.



Backspace: Equivalent to pressing "Backspace" on the keyboard. To perform the gesture, draw a line from right to left.



Quick Correct: This gesture opens the alternates menu or the Transcriber keyboard. To perform this gesture, draw a line straight down then back up again. If a word is selected the alternates menu will open. If no text is selected, this gesture launches the Transcriber Keyboard.



Case Change: Changes the capitalization of a selected letter, word or block of text. To perform this gesture, draw a line in an upward motion.



Undo: Equivalent to pressing "Ctrl-Z" in most applications. To perform this gesture, draw a line straight up then retrace the same line back down.



Copy: Equivalent to pressing "Ctrl-C" in most applications. To perform this gesture, draw a line from left to right then retrace the same line back to left.



Cut: Equivalent to pressing "Ctrl-X" in most applications. To perform this gesture, draw a line from right to left then retrace the same line back to right.



Paste: Equivalent to pressing "Ctrl-V" in most applications. To perform this gesture, draw a line starting from the bottom going up to the right and without lifting the stylus continue the line back down to the right.



Tab: Equivalent to pressing the "Tab" key. Make sure that the horizontal part of the gesture is at least two

times longer than the vertical part.

✓ **Correction:** Opens the Microsoft Transcriber Correction Window. To perform the gesture, draw a large checkmark.

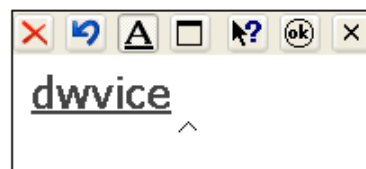
Alternates List

If Transcriber does not recognize a word, you can use the alternates list to quickly correct the error. To use this feature:

1. Highlight the incorrect word.
2. Use the Quick Correct Gesture (a vertical line from top to bottom, retraced back to the top) to open the Alternates list.

Transcriber Correction Window

The Correction Window allows you to edit any highlighted text on your screen. This feature is useful for correcting handwriting mistakes or recognition errors.



To correct an error, highlight the character, word, or phrase, and then open the correction Window in one of the following ways:

1. Tap the Correction button in the Task Bar.
2. Use the Correction gesture.
3. Use the Quick Correct gesture, which brings up the Alternates List. "Go to Corrector" is one of the listed options.

The Correction Window includes these toolbar buttons:

Delete: Tap this toolbar button to delete the highlighted text.

Undo: Tap this toolbar button to cancel the previous action.

Text/draw: Tap this toolbar button to indicate with underlines any misspelled words.

Full screen: Tap this toolbar button to enlarge the Correction Window to fill the screen.

Help: Tap this toolbar button to open the Transcriber help file.

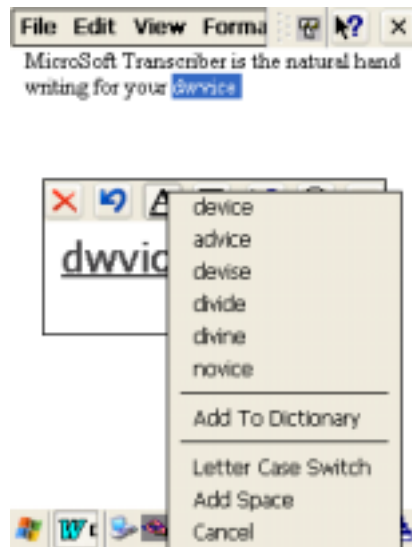
Exit: Tap this toolbar button to close the Correction Window without saving any changes.

OK: Tap this toolbar button to close the Correction Window and save your changes.

Write directly over a letter or word to change it, and then tap OK to close the Correction Window and save your corrections to your document.

Once the Correction Window is open, you can make corrections in any of these ways:

Double-tap a letter or word in the Correction Window to open the Alternates menu where you can:



1. Select an alternate word from the list provided.
 2. Add the selected word to Transcriber's dictionary.
 3. Change the case treatment of the selected text.
-

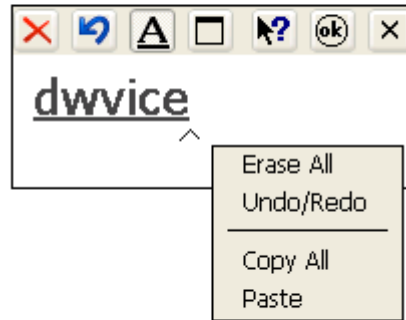
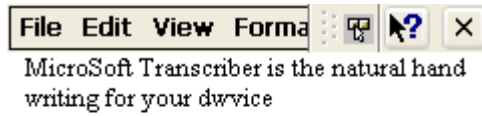
4. Insert a space in front of the selected text.
5. Cancel any corrections you made in the Correction Window.

Select a word or letter, then tap the caret underneath the text to open a menu where you can:



1. Delete selected text.
2. Replace selected text with a space.
3. Change the case treatment of the selected text.
4. Copy the selected text.
5. Paste text from the Clipboard into the highlighted space.

Double-tap the Correction Window in an area that is not directly over a word or the caret to open a menu where you can:



1. Erase all text from the Correction Window and screen.
2. Cancel the previous action.
3. Copy all text in the Correction Window to the Clipboard.
4. Paste text from the Clipboard into the Correction Window.

Transcriber Calculator

Transcriber has built-in calculator functionality capable of recognizing and completing simple mathematical equations. This means that you do not have to open the separate Calculator application when you need to perform a simple calculation. To use this feature, write the formula like you would text. For instance: 2+2=. Transcriber will recognize your ink and return the answer with your equation as text. Example: 2+2=4.

Microsoft Transcriber Options

You can access the configuration dialog boxes by double-taping or tap-and-holding the Transcriber icon from the Task Bar and choose Options from the pop-up menu.



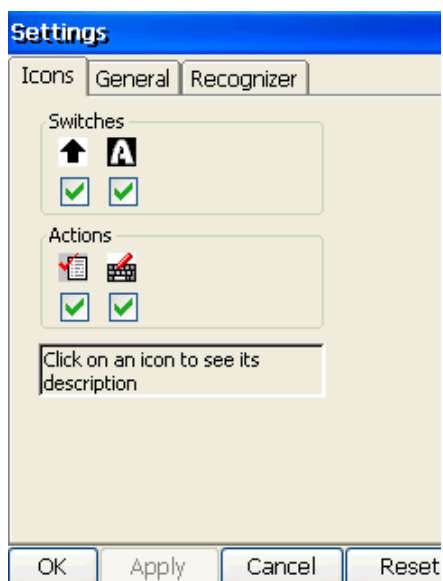
Enable Transcriber:

Returns Transcriber to the active state.

Sound On:

Unchecking the Sound On Box will mute Microsoft Transcriber sounds.

The Icons Options Dialog





Writing Orientation: The arrow points 'upwards' relative to the selected direction of writing. You should always write perpendicular to the direction of the arrow.



Recognition Mode: Choose from unrestricted 'a' (all symbols/words allowed), uppercase 'A' (everything you write is automatically capitalized) and numeric mode '12' (numerals and some letters allowed)



Correction Window: Makes correction easier by isolating words or phrases in a separate window.



Transcriber Keyboard: Allows the inputting of punctuation and other symbols that may be difficult to write.



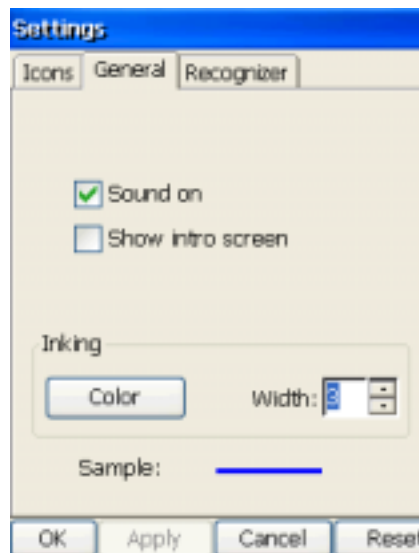
By using the Quick Correct gesture or the 'keyboard' button in the toolbar when no text is selected, you can open the Microsoft Transcriber Keyboard. The Keyboard provides an easy way to add punctuation or a special symbol to the existing text. The keyboard will remain visible until you tap the OK button. To make the keyboard close automatically after entering a symbol, tap the Push Pin button in the upper left hand corner of the keyboard.



Note:

Some of these icons must be enabled from the Icons tab in the Options dialog before they appear on the task bar.

The General Options Dialog

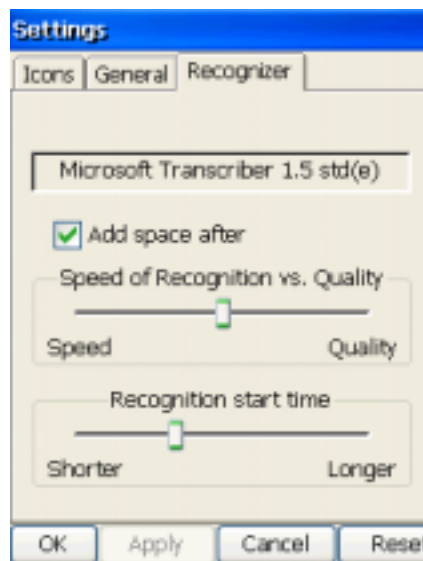


Sound On: Uncheck the Sound on to mute Microsoft Transcriber sounds.

Show Intro Screen: If selected, Microsoft Transcriber will display a short introductory screen on activation.

Inking: Allows you to choose the color and width of the ink that appears on the screen while writing. Tap color to change color and set width. You can preview selected color and width in Sample.

The Recognizer Options Dialog



Add Space After: A space is added after each recognized word if this option is selected.

Speed of Recognition vs. Quality: Controls the trade-off between recognition speed and quality. Moving the slider toward Speed means faster recognition but could affect accuracy.

Recognition Start Time: This allows you to set the recognition start time. When the slider is in its center position, Transcriber will wait for about a second for you to complete a word (dotting your i's and crossing your t's, for example) before displaying the result. If you feel that ink disappears too quickly, move the slider to the right to lengthen the start time. As you gain experience with Microsoft Transcriber, try shortening the start time to speed up the recognition process.

Letter Shape Selector

Allows you to adapt the recognition engine to your personal writing style. To open Letter Shape Selector, tap and hold the Transcriber icon and select Letter Shape Selector from the pop-up menu.

You can teach Microsoft Transcriber how you write each letter

and number by clicking the handwritten letter shape and selecting whether you write the character in that particular fashion 'often', 'rarely' or 'never'. Since Transcriber will have fewer letter shapes to search, it will work faster and more accurately. For example, if you do not use a triangle-shaped letter 'A' as a lower case letter, check 'never'. This helps Microsoft Transcriber select the right capitalization, as it will now consider this shape to be a capital 'A' most of the time. Or, if you do not write 'Q' similar to '2', disable this way of writing 'Q' to help Microsoft Transcriber better recognize digit '2'.

Also, to view how Transcriber expects characters to be written, tap on a character you wish to explore, then click one of the pictures of this character. It will slowly redraw, showing the writing sequence.

Letter Shape Selector supports two profiles labeled 'Master' and 'Guest'. You may select which one will be used in the 'File' menu. Typically, the master profile is used by the primary user. If the device is temporarily used by another person, they should use the Guest profile. The Master user will be unaffected by the settings selected by the Guest user.

You can save or load current profile to or from a file using the Load and Save commands found on the File menu.

Use Original Settings - Resets the Letter Shape Selector to its default settings.

Help

Brings up Microsoft Transcriber help file.

Close Transcriber

Shuts down Microsoft Transcriber application.



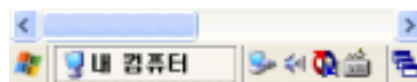
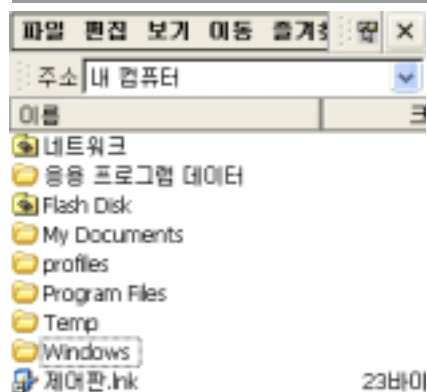
Windows Explorer

Microsoft Windows Explorer works almost the same on your DOT 400 as it does on your PC.



NOTE

You can access to Internet by typing a URL in the Address bar.



File Menu

File

Open: Opens selected folders or files.

New Folder: Creates a new folder in current folder.

Delete: Deletes selected folders or files. You can delete several files at a time by tapping and dragging (holding down) or selecting with SHIFT key.

Rename: Renames selected folders or files.

Properties: Shows the properties of selected folders or files. If no folder or file is selected, Properties shows the system properties.

Send To: Sends selected folders or files to a specific folder. You can send folders or files to the desktop as shortcuts, My

Documents, or Infrared Recipient.

Receive: Receives folders or files using Infrared Recipient.

Close: Closes Windows Explorer.

Edit

Undo: Undoes action.

Cut: Cuts selected folders or files. You can select both folders and files at the same time by tapping-and-dragging or selecting with SHIFT key.

Copy: Copies selected folders or files.

Paste: Pastes folders/files cut or copied to the current folder.

Paste Shortcut: Creates shortcut of folders/files cut or copied.

Select All: Selects all files and folders in current folder.

View

Address Bar: Shows address bar in Windows Explorer.

Small Icons: Shows folders and files with small icons.

Details: Shows folders and files with detailed information: Name, Size, Type, and Modified date.

Arrange Icons: Arranges icons in current folder. Available when Large Icons or Small Icons are used.

Refresh: Refreshes current folder.

Options: Sets up Windows Explorer options. You can set hidden files to show or not, and hide file extensions.

Go

Back: Returns to previous folder.

Forward: Goes to the folder from which you just backed up.

My Documents: shows My Documents.

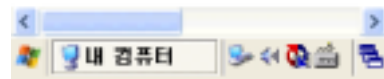
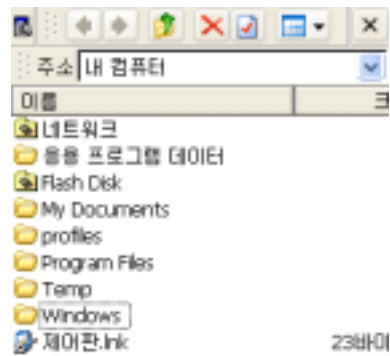
History: Shows opened list. History will be cleared after closing Windows Explorer.

Favorites

Add to Favorites: Adds the shortcut of the current folder to Favorites.

Organize Favorites: Reorganizes Favorites list.
To move to the icon menu, tap See Other Menu.

Icon Menu



Back: Back to previous folder.

Forward: Forward to subsequent folder.

Up: Up to parent folder.

Delete: Deletes selected folders or files.

Properties: Shows the properties of selected folder or files.

View type: Selects the type of view.



Microsoft MSN Messenger

You can exchange messages or files with other users online.

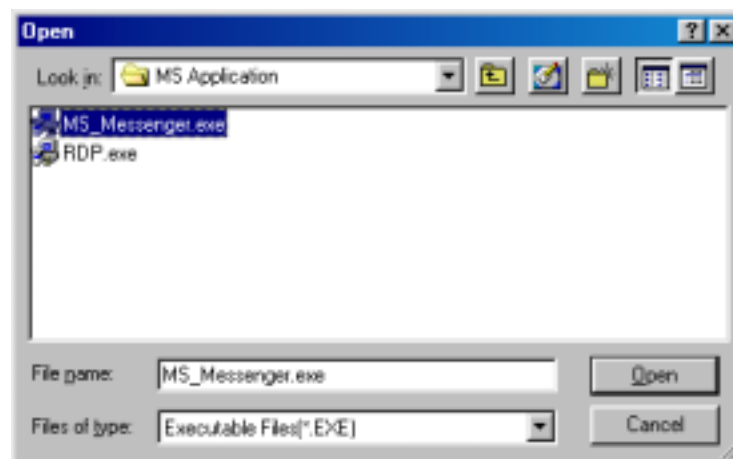
The installation program is in the bundled CD that comes with DOT400. You can install and use this on your device after the ActiveSync installation.

Installation

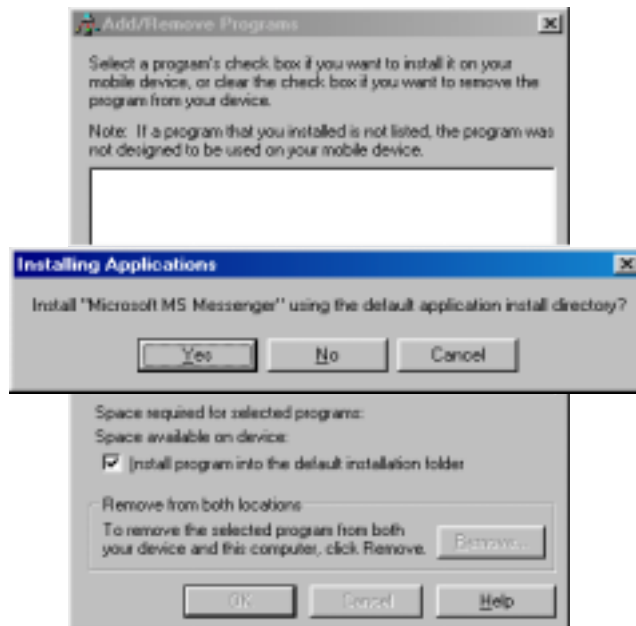
1. Run the CD which is provided with DOT400. (There should be the ActiveSync connection between DOT 400 and the PC).



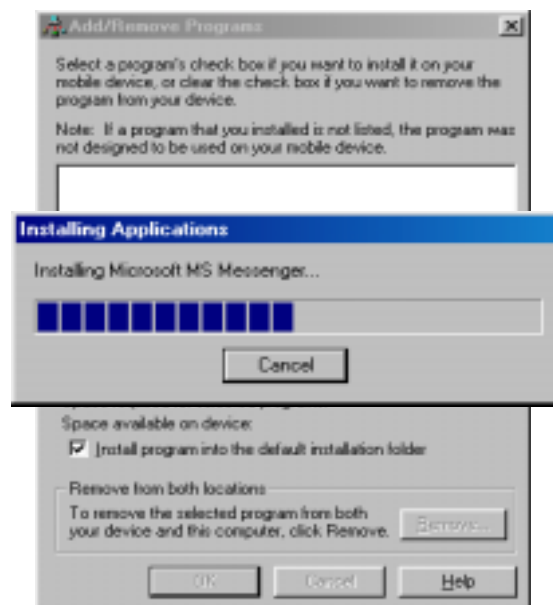
2. Clicking the Application Programs button opens a folder.
Select the file MS_Messenger.exe and press the Open button to start the installation.



3. When the installation wizard appears, press **“Yes”** to install in the default location.

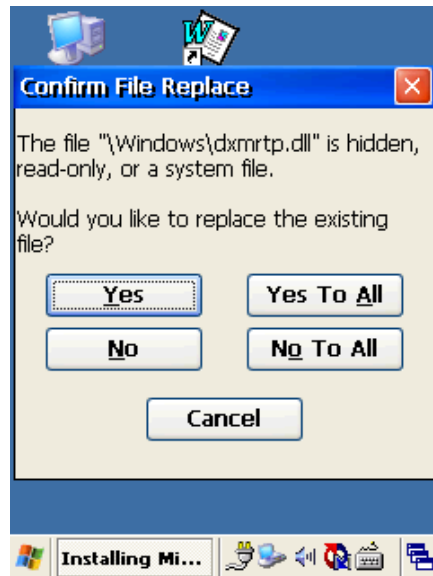


4. When the completion message appears, press O.K and read the message on the DOT 400 screen.

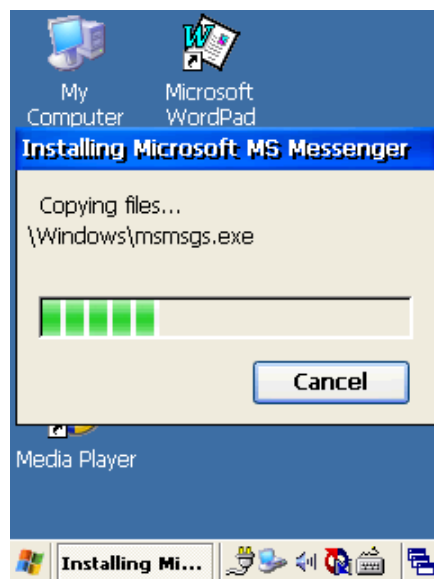


5. The “**Confirm File Replace**” message appears depending on the DOT400 screen.

Click “**Yes To All.**”



6. File copying starts.



Running the Messenger

To run the Messenger, you have to have an Internet connection via LAN or a modem.

After the installation, when the Messenger icon is displayed on the desktop, reset DOT 400. When DOT 400 reboots, double-click the Messenger icon.

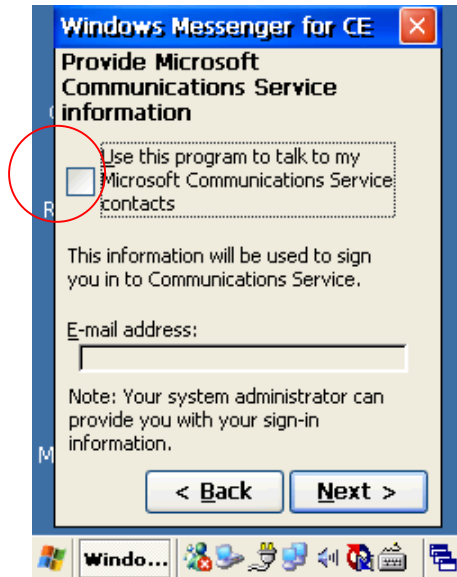


2. When you see the screen below, click **Next**.



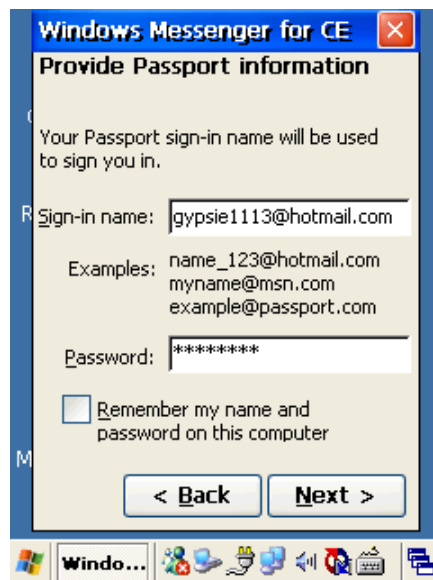
3. At the screen below, uncheck the box, then the **Next** button appears.

Click **Next**.



4. At the screen below, enter your MSN ID and password.

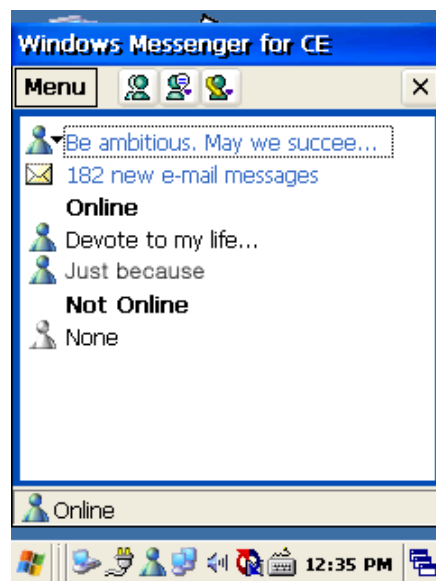
Click **Next**.



5. At the setup completion message, press **Finish**.



6. You will see the Sign in screen and then the connection screen in a moment.



From now on you can transfer messages or files with users online.



Microsoft RDP

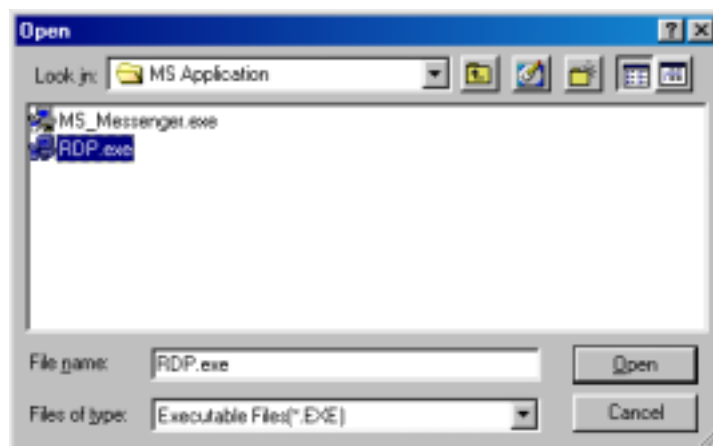
You can control a remote server or run application programs on the server using the Win CE's Remote Desktop Protocol Client program. You can build up the Thin Client environment. For this you will need a separate license for the terminal service.

Installation

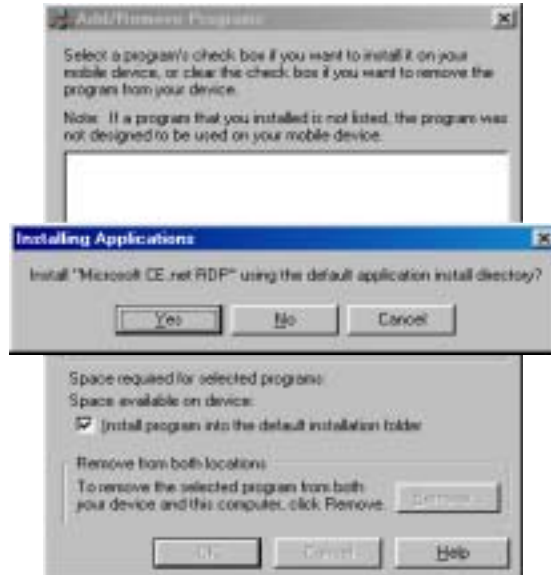
1. Run the CD which is provided with DOT400. (There should be the ActiveSync connection between DOT 400 and the PC).



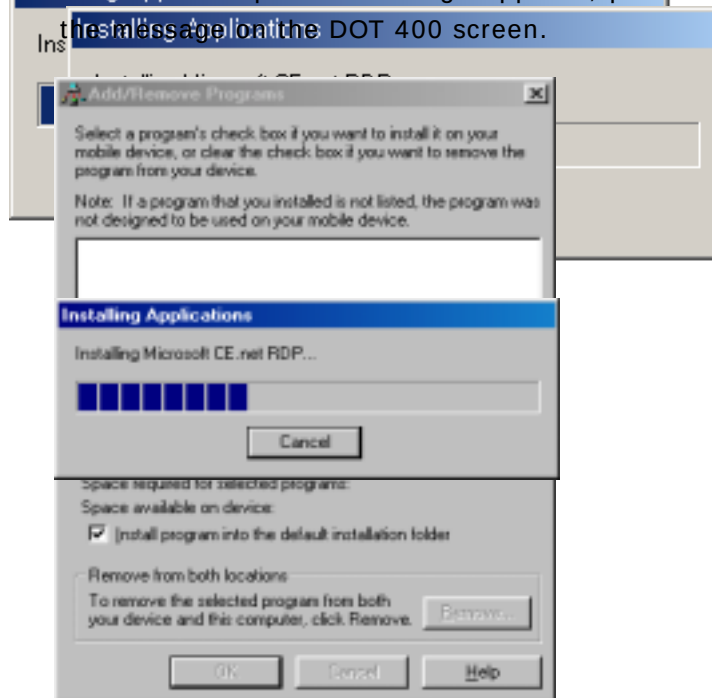
2. Click the application button to open its folder.



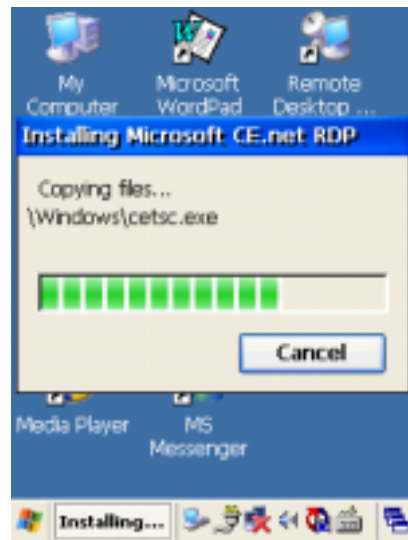
3. Select the file RDP.exe and press the Open button to start the installation. When the installation wizard appears, press **“Yes”** to install in the default location.



4. When the completion message appears, press O.K and read the message on the DOT 400 screen.



5. When the installation is complete after file copying, the **Remote Desktop Connection** icon is displayed on the desktop of DOT 400.



Running Remote Desktop Connection

Before running Remote Desktop Connection, make sure DOT400 is connected to the Internet. The terminal servers available to access to are 2000 professional, 2000 server, XP, and so on.

For more details about the terminal service, search for this on the Microsoft web site.

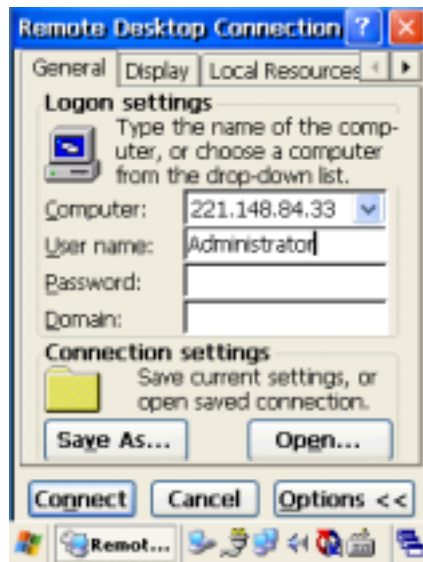
1. After the installation, double-click the **Remote Desktop Connection** icon on the desktop of DOT400.



2. When the Remote Desktop Connection message appears, press the **Options** button.



3. Enter the server address you wish to connect to and other necessary information such as user ID and password. Set the necessary environment to connect the server and press the **Connect** button.



4. When you see the connection screen, press the **O.K** button to log in.



5. Once you are logged in the server, you can control the server or run applications on the server.



Appendix A

Specification

The Hardware and the device power specifications are as follows:

Specification	
OS(Operating System)	Windows CE.NET 4.2
Processor	Intel XScale 400MHz
Memory RAM	64MB SDRAM
Memory FLASH	64MB (Extendable)
Audio/Voice	Stereo Audio Output Phone Jack, Speaker, Microphone
Compact Flash Slot	Compact Flash type I
SD/MMC card	SD/MMC slot
Infrared Communication Port	IrDA standard, 115.2Kb per second
Notification	LED
Serial Communication Ports	1 port
USB Communication Port	1port (USB Communication)
Display	64K color 16-bit reflective TFT-LCD, 3.5 inch
Power	AC/DC, 1,450mAh Rechargeable Polymer Battery (main power)
Dimension (HxWxD)	4.70x2.95x0.77 Inch (119.5x 75x19.5 mm)
Weight	6.2Oz/176g

Battery Specification	
Type	Li-Polymer Rechargeable

Capacity	Main Battery : 1,450mAh / Backup Battery: 170mAh
Battery Cutoff	3.0 V
Recharging Time	Within 3 hrs
Management	S/W
Life	500 cycle

Battery Charger Specification	
AC Supply	100 ~ 240 V
Desktop/DC Power	4.2 V

Troubleshooting

This chapter provides the tips for better use of DOT 400 and the troubleshooting solutions. This chapter covers problems related to the following.

1. Battery Power
 2. Reset
 3. Basic Problems
 4. Data/File Backup
 5. Synchronization with the PC
 6. IrDA Communication
 7. Maintenance
-

Battery Power

The following are the measures to prevent unexpected system faults of DOT 400 due to power problems.

Using DOT 400 for the first time	When you unpack DOT 400, its battery may have been discharged. Be sure to charge the battery fully with the battery charger before use.
Charging the battery	When charging the battery, be sure to check that the battery charger and DOT 400 are connected properly and that the battery charger is well connected to the electrical outlet.
The battery Low icon appears on the task bar, or the battery warning is displayed in the dialog box	Charge the battery using the battery charger. DOT 400 may be used while charging the battery.
Device loses power frequently while the power is on	Since the battery power is very low, charge the battery for a certain period of time before using DOT 400. If DOT 400 is left uncharged when the battery power is very low, the power will not be supplied to the CPU of DOT 400, and DOT 400 will be hardware reset, resulting in loss of all data and files

	stored in DOT 400.
DOT 400 will not be in use for a long time	Tap Start > Settings > Control Panel > Power > Power Off and set the power to be automatically turned off if DOT 400 remains idle for a certain period of time for efficient use of power.
Power consideration	Tap Start > Settings > Control Panel > Display > Backlight and set the LCD Backlight to be turned off automatically when DOT 400 is not in use to save the battery power. Also, tap Start > Programs > Utility > Backlight to adjust the brightness of the LCD Backlight.
Automatic power-off does not work	When DOT 400 is connected with the PC, the power will not be turned off automatically
Insufficient power warning appears while using CF Card	Remove the CF Card from DOT 400 and recharge it using the battery charger.
Power is lost during use	DOT 400 has turned off the power automatically due to insufficient battery power and has entered into the safety mode. Do not use DOT 400 forcibly, use it after recharging the battery.

Reset

Software reset	If a program cannot be shut down even by the Task Manager when it has stopped running, or if DOT 400 cannot be synchronized despite several attempts to access the desktop PC, Carry out software reset by quickly pressing the Reset button on the bottom of DOT 400. To software reset DOT 400, the Reset button should be pressed for less than a second; otherwise, DOT 400 may be hardware reset. If DOT 400 is hardware reset, all files and data in DOT 400 will be lost.
Hardware reset	If DOT 400 does not respond to any input, nor can the problem be solved by software reset, You must perform hardware reset. To hardware reset DOT 400, press the Reset button on the bottom of DOT 400 and hold it for more than 4 seconds. Then, DOT 400 battery power is shut down and DOT 400 becomes down. Press the Reset button again shortly, then DOT 400 is connected to the battery power and DOT 400 is hardware reset. Since the hardware reset will result in loss of all files and data, it is recommended that the data and files stored in DOT 400 should be backed up periodically in the desktop PC, CF memory card, or flash ROM.
Reset by battery fault	If DOT 400 does not work due to full discharge of the battery, it should be recharged using the battery charger. Do not attempt to operate DOT 400 when its battery is completely discharged. When the battery is recharged, DOT 400 will be hardware reset automatically.

Basic Problems

Dark display screen	If you press the power button too long, the LCD backlight may be turned off. In that case, press-and-hold the power button again to turn the backlight back on.
	The screen may be dark because the LCD backlight level is set too low. Tap Start > Programs > Utility > Backlight and adjust the backlight level.
	The backlight may be turned off in the Automatic Backlight Off Mode. To keep the backlight always on, tap Start > Settings > Control Panel > Display. And tap the Backlight tab and uncheck
Stylus pen input error	The display screen may not be calibrated properly. Tap Start > Settings > Control Panel > Stylus. And tap Calibration tab and recalibrate the screen.
	If the screen does not respond to a double-tap, tap Start > Settings > Control Panel > Stylus. And tap the Double-Tap tab and adjust the Double-Tap Grid.
Slow program speed	The program may become slow due to too many programs running at the same time. Reduce the number of running programs.
	The program speed may be slow due to insufficient program memory of DOT 400. Tap Start > Settings > Control Panel > System. And tap Memory tab and expand the program memory area with the slide bar. If the storage memory area occupies too much space, back up the programs in the storage area to the PC or the CF memory card to empty the storage area, and expand the program memory area.
Power failure of DOT 400 even when connected	DOT 400 may be automatically turned off if the battery is discharged completely. In that case, recharge the battery for about thirty minutes and then turn on the power. Continue to recharge the battery.

to the battery charger	If the battery is not being charged, check the connection between the battery charger and DOT 400.
	Using DOT 400 forcibly when the battery is discharged may cause damage of DOT 400. Be sure to recharge the battery before trying to use DOT 400.

Data/File Backup

Data/File Backup	Since DOT 400 may need to be hardware reset due to an unexpected problem, be sure to back up the data/files in the desktop PC, CF memory card, or flash ROM.
	To back up the data/files in the desktop PC, connect DOT 400 to the PC. For details about how to connect, refer to 4. Connecting to Your Desktop PC. Use the Copy/Paste menu of the Explorer of the ActiveSync or Windows Explorer of the desktop PC to make copies of DOT 400 data/files in the backup folder (created by the user) of the desktop PC.
	Insert the CF memory card in the CF type expanded card slot. Tap Start > Programs > Windows Explorer, and then tap Storage Folder. Tap New Folder from the File Menu, and create a backup folder. Then, copy the data/files in DOT 400 and paste them in the backup folder of the CF memory card.
	The data/files can be copied to the flash ROM of DOT 400. In this case, it is recommended that only essential PIMs data and notification data should be copied. Since the flash ROM contains the programs of DOT 400, its memory capacity available is limited. Use Start > Programs > PIMS > PIMS Backup, or run Windows Explorer. Tap PIMS Backup to display the files to be backed up in the upper window. Select the desired data file and select Flash Disk Storage. Then, tap Backup menu to complete the backup. To restore the files, select Storage to display the files to be restored in the bottom window. Select the desired data file and tap the Restore menu to restore the PIMs data of DOT 400.

	It is recommended that restoring the files using the PIMS Backup Program should be performed only when the PIMs data have been lost after hardware reset or due to an unexpected problem.
--	--

Synchronization with the PC

Cannot connect to the desktop PC	The USB sync cable or the USB cable of the docking cradle may not be connected or may be incorrectly connected to the desktop PC. Check if DOT 400 is inserted in the docking cradle correctly.
	The options of the ActiveSync may not be set up correctly. Check the settings. For details, refer to the Help of the Desktop ActiveSync.
	Check the communication mode setting of the Desktop ActiveSync.
Cannot synchronize or cannot maintain the connection after synchronization	Check if the Microsoft Outlook is running properly on the desktop PC.
	Since it may take some time for synchronization due to the characteristics of the Windows CE.NET, wait until synchronization is complete after connecting DOT 400 to the desktop PC.
	If connection fails despite continued attempts, remove DOT 400 from the docking cradle, wait for a while, and insert DOT 400 again in the docking cradle. Wait for synchronization.
	If synchronization still fails, software reset DOT 400 and try the above procedure again.
	Reboot the desktop PC, software or hardware reset DOT 400, and try the above procedure again.
	If the problem persists to continue, visit the Microsoft web site to inquire about the ActiveSync or refer to Q&A.
Cannot synchronize smoothly when using ActiveSync	Disconnect the connection to PC and close the ActiveSync window. And then connect again for synchronization.

IrDA Communication

IrDA communication does not work	Align the IrDA ports of DOT 400 and other device. Keep the distance within 1 m.
	Clear any objects that may hinder the communication between DOT 400 and other device.
	Check that DOT 400 is equipped with the IrDA OBEX communication protocol. Otherwise, the communication between DOT 400s cannot be established
Disconnection during file transfer	Communication may be discontinued during the transfer of a large file. In such case, disconnect the connection, connect it again, and try the file transfer.
	Connection cannot be made among three or more devices at a time, but only between two devices.
IrDA communication control	Place DOT 400 in the normal position and tap the Quick Link Icon > IR Send_Receive menu from the task bar of the main window. The program will automatically search DOT 400 for communication and display its information. Tap the Connection menu and perform the send/receive functions.

Maintenance

DOT 400 Power Manageme nt	Since the expansion CF card consumes a huge amount of power, use the external power source whenever possible. Remove the expansion CF card when not in use.
	When connecting to the desktop PC, connect the battery charger to DOT 400 power jack or the docking cradle for recharging.
	When DOT 400 is not in use, set DOT 400 to enter into the automatic suspend mode or press the power button to turn DOT 400 off.
	Adjust the backlight brightens level properly to save power.
DOT 400 Manageme nt	Do not use DOT 400 in places subject to high humidity or high temperature.
	Use the leather protector case to protect DOT 400 from an external impact.
	Avoid exposing DOT 400 in direct sunlight for an extended time.
Data/File Manageme nt	Back up the data/files when traveling for a long time.
	Back up the data/files periodically.

Glossary

Backup. A duplicate copy of your DOT 400 files and the data stored in your desktop PC, in a CompactFlash card, or in a safe storage folder.

Battery Charger. An external power supply that converts AC power from a standard household electrical outlet to the low-voltage DC power required to operate your DOT 400.

compactFlash. A plug-in memory device for high-performance memory cards and other peripheral devices such as modems and NICs.

Cradle. A receptacle used to connect your DOT 400 to a desktop PC. The cradle may remain connected to your desktop PC, even when you remove your DOT 400.

DHCP (Dynamic Host Configuration Protocol). A protocol that assigns a dynamic IP address to your DOT 400 whenever you connect to a network.

Dial-up Connection. A connection between your DOT 400 and another computer by modem. You can have a dial-up connection with an ISP, a network, or with a modem attached to a PC.

Direct Connection. A connection between your DOT 400 and another computer by means of the cradle or infrared port.

DNS (Domain Name System). An Internet service that translates domain names into IP addresses.

Driver. A control program that enables a computer to work with a specific peripheral device.

Flash ROM. See ROM.

IMAP4 (Internet Messaging Access Protocol v4). A protocol that enables a computer to retrieve messages from a mail server.

Infrared port. A communication port that uses optical (infrared) signals rather than wires or cables to transmit data.

Internet. A worldwide network of computers offering services such as email, the Worldwide Web, FTP, Usenet news, and others.

Intranet. A network that offers services similar to the Internet, but usually accessible only to users within a single company or organization.

IP (Internet Protocol). The standard by which packets of information are transmitted over the Internet.

IrDA (Infrared Data Association Protocol). An established standard for infrared communications between computers and other peripherals and devices.

ISP (Internet Service Provider). A commercial business that provides Internet access services to individuals or businesses, usually for a fee.

LAN (Local Area Network). A group of computers, usually in close proximity (either in the same building or in buildings in close proximity), that are linked together to share files and exchange data.

Modem. A communication device that enables a computer to transmit data over telephone lines.

NIC (Network Interface Card). A card installed in a computer so that it can be connected to a network. NICs can provide a dedicated, full-time connection to a network.

Partnership. An established relationship between your DOT 400 and a desktop PC for the purpose of synchronizing and transferring data.

PIM (Personal Information Manager). An application or set of applications that organizes information such as addresses, appointments, and notes.

POP3 (Post Office Protocol v3). A protocol that enables a computer to retrieve messages from a mail server.

PPP (Point-to-Point Protocol). The default method your DOT 400 uses to communicate with an ISP or network server.

Proxy Server. A server that sits between a client computer or Web browser and the Internet. A proxy server provides security by filtering requests and can improve performance by storing local copies of requested information.

RAM (Random Access Memory). Volatile memory that can be read and written. Data stored in RAM is retained only while power is maintained.

Remote connection. A connection between your DOT 400 and a remote computer or server.

Reset. The process of restarting your DOT 400 and reinitializing the operating system. Performing a reset erases any unsaved data in opened documents, but preserves the data that has been saved.

Restore. To return your device to the state as it was when data was last backed up. This involves copying your backup data to your DOT 400.

ROM (Read-Only Memory). Nonvolatile flash memory that contains the Microsoft Windows for Pocket PC operating system and preinstalled programs.

Serial Connection. A cable connection between your DOT 400 and a serial (COM) port on your desktop PC.

SLIP (Serial Line Internet Protocol). A method of connecting to the Internet. Similar to PPP, but older and simpler.

SMTP (Simplified Mail Transport Protocol). A protocol for sending E-mail messages between computers on the Internet.

Stylus. A pen-like utensil designed for navigating on a touch screen.

Synchronization. The process of comparing the files or data on two computers to ensure that they contain exactly the same information.

Touch Screen. A touch-sensitive screen that allows you to open files, launch programs, and select text by touching or tapping the screen with the stylus.

USB (Universal Serial Bus). A newer standard for connecting peripheral devices. USB supports relatively fast data transfer rates and can be used to connect multiple devices to a single computer.

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

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

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.
