

Mio 8870

User's Manual



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Note

The information in this manual is subject to change without notice.

Safety Precautions

General Guidelines for Your Smartphone

- Avoid placing the Smartphone in a location subject to extreme temperatures, high humidity, or heavy dust.
- The Smartphone and its accessories are not waterproof. Please keep them in a dry place.
- Do not knock, shake, or toss the Smartphone. Doing so may cause leakage, overheating, or fire.
- Do not disassemble the Smartphone or its accessories without authorized permission.
- Do not place the Smartphone near the edge of a surface, especially when the vibration function of the Smartphone is turned on. The Smartphone may move and drop due to the vibration.
- Keep the Smartphone in place when driving. Do not place it on the passenger seat or where it can break loose in a collision or sudden stop.
- Do not delete files in the Windows folder of the Smartphone. Doing so may cause malfunction.

Guidelines for Using the Phone Feature

- Use the Smartphone in a normal position. Do not cover the antenna unnecessarily; doing so may affect the communication quality and consume more power.
- Use a phone headset or pull over your car first if using the Smartphone when driving.
- Your Smartphone produces the electromagnetic wave with the specific absorption rate (SAR) of 1.02W/kg, lower than the standard value of 1.6W/kg. However, to reduce the effects of the electromagnetic wave on the human body, please use the phone feature with care. For example, make short calls as possible as you can.
- Your Smartphone is a low-power RF (radio frequency) device. It receives and sends out RF signals when the phone feature is turned on. Therefore, be careful of the following:
 - Most RF devices are shielded from RF signals. However, your Smartphone may still interfere with or get interfered by nearby devices, such as a TV set, radio, or computer.
 - Turn off the phone feature where posted notices are set up to avoid interference or danger.
 - Turn off the phone feature near hospitals or medical equipment (such as pacemakers or hearing aids) to avoid interference.
 - Turn off the phone feature near gas stations, fuel depots, chemical factories, or blasting areas.
 - Turn off the phone feature on an aircraft to avoid interference with the flight instruments for possible danger.

Guidelines for Using the AC Adapter

- Use only the AC adapter (PHIHONG, PSC05R-050) supplied with your Smartphone. Use of another type of AC adapter will result in malfunction and/or danger.
- This product is intended to be supplied by a LISTED Power Unit marked with “LPS”, “Limited Power Source” and output rated + 5 V dc / 1 A.
- Do not use the adapter in a high moisture environment. Never touch the adapter when your hands or feet are wet.
- Allow adequate ventilation around the adapter. Avoid locations with restricted airflow.
- Connect the adapter to a proper power source. The voltage and grounding requirements are found on the product case and/or packaging.
- Do not use the adapter if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

Guidelines for Using the Battery

- **CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Do not mutilate, puncture, or dispose of battery in fire. The battery can burst or explode, releasing hazardous chemicals.
- Do not short-circuit the battery terminals.
- Do not immerse, throw the battery in water or seawater.
- Do not use, charge and leave the battery at high temperature.
- The temperature during charging/discharging periods must be kept within 0°C (32°F) to 40°C (104 °F). Otherwise the battery might be damaged.
- Must be recycled or disposed of properly.
- Use the battery only in the specified equipment.
- Use a specified charger approved by the manufacturer.
- Use only a specified battery (eMore, MIFES-ISTO) in the Smartphone.
- Use only a specified USB cradle approved by the manufacturer.

Preface

Welcome

Congratulations on purchasing this Windows Mobile™ Smartphone.

Your Smartphone is more than a mobile phone. It not only provides the full features of a GPRS mobile phone, but also allows you to take photos, record videos, browse the Internet and WAP web pages, receive and send messages such as emails, text messages, instant messages and multimedia messages (MMS), listen to music, play JAVA games, and lots more. Whenever you need to communicate, capture images, search for information, send messages or enjoy yourself, the Smartphone can help you get what you want any time any place.

With the Windows Mobile™ for Smartphone operating system, you can always use Microsoft® ActiveSync® to synchronize your personal Microsoft Outlook data between the Smartphone and desktop computer, including Contacts, Calendar, Inbox, and Tasks.

About this Manual

This manual is composed of three parts.

- **Part I “System Manual”** tells you how to use the Smartphone, including the basic operations, core programs of Windows Mobile™, and the system settings.
- **Part II “Software Manual”** gives information on the “additional software” (in addition to the core programs of Windows Mobile™) provided by your Smartphone manufacturer.
- **Part III “References”** provides the reference information, such as the product specifications.

◀ N O T E ▶

- When the commands are connected with an arrow (→), select them in that order.
- Depending on the model you purchased, the appearance and/color of your Smartphone may not be exactly the same as those shown in this manual.
- Some of the features are provided by the wireless mobile network services and not described in details in this manual. Please contact your service provider for further information.
- Depending on the continuing developments of the product, the software supplied with your Smartphone may be changed or updated. If there is any difference between the information in this manual and your product, the operation should be based on the product you have.

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Part I

System Manual

1 Getting Started

This chapter introduces you to the external components of your Smartphone and guides you through the process of setting up your Smartphone for use.

1.1 Hardware Features

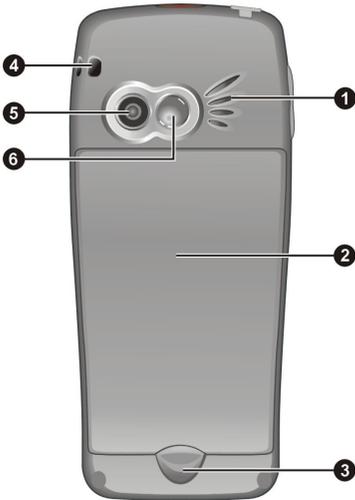
Front Components



| | | |
|-----------|-------------------------------|---|
| 1 | Earpiece | Serves as the phone earpiece. |
| 2 | Status Indicator | |
| | Battery Status | Steady orange – The battery is being charged. |
| | Wireless Radio Status* | Blinking orange/red – The battery is low with the wireless radio on/off. |
| | | Blinking green – The wireless radio is on. |
| | | Flashing green and red in turns – You have unread messages. |
| 3 | Screen | Displays the Home screen, status icons, active programs and soft key commands. |
| 4 | Navigation Stick | Moves up, down, left, or right by pushing the stick toward the corresponding direction. |
| | | Selects by pressing. |
| 5 | Soft Key | Performs the command shown on the display immediately above the keys. |
| 6 | End Key | Turns your Smartphone on or off. Ends or rejects a call. |
| | | Press and hold to display the Quick List. |
| 7 | Back Key | Navigates to the previous screen. Backspaces over one or more characters when you are in a text field. |
| 8 | Numeric Keypad | Enters numbers and characters. |
| 9 | Home Key | Displays the Home screen. |
| 10 | Talk Key | Dials or answers a call. Press and hold during a call to switch to the speakerphone mode. |

* **Table Note:** Wireless Radio Status indicator does not work when the AC adapter is connected.

Back Components



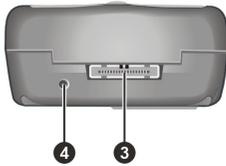
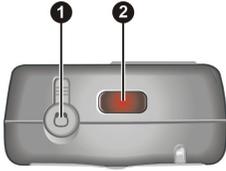
| | |
|---------------------------|--|
| 1 Speaker | Sends out music, sounds, and voice. |
| 2 Battery | Serves as the internal power source for your Smartphone. You can recharge the battery by connecting to AC power. |
| 3 Battery Lock | Secures the battery in place. |
| 4 Hand String Hole | Hand string attaches to this hole. |
| 5 Camera Lens | Takes photos or records videos. |
| 6 Viewing Mirror | Lets you see your own reflection in the small mirror when taking photos of yourself. |

Side Components



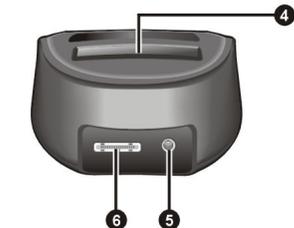
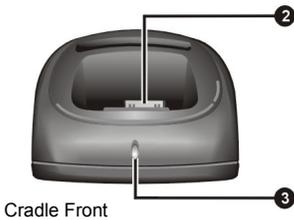
| | |
|---------------------------|---|
| 1 Volume Control | Adjusts the volume by pressing the upper or lower button. Press to immediately silence the ring of an incoming call. Press and hold the upper button to record voice. |
| 2 SD/MMC Card Slot | Accepts an optional SD/MMC card for extended memory capacity or input/output functions. |

Top and Bottom Components



| | |
|-------------------------------|--|
| 1 Headphone Connector | Connects to a pair of stereo headphones or a hands-free phone headset. |
| 2 IR Port | Beams files to other mobile devices. |
| 3 ActiveSync Connector | Connects to the ActiveSync cable. |
| 4 Microphone | Serves as the mouthpiece during a call. Receives sound and voice to record voice. |

ActiveSync Cable and USB Cradle



| | |
|-------------------------------|---|
| 1 ActiveSync Cable | Connects your Smartphone to a desktop computer. |
| 2 Smartphone Connector | Connects your Smartphone. |
| 3 Charge Indicator | Glows red to indicate that the battery in the battery compartment is being charged. The indicator changes to green when the battery is fully charged. |
| 4 Battery Compartment | Connects an additional battery or the battery removed from your Smartphone for charging. |
| 5 Power Connector | Connects the AC adapter. |
| 6 ActiveSync Connector | Connects the ActiveSync cable. |

1.2 Installing SIM Card and Battery

After applying for an account with a mobile phone service provider, you will be provided a SIM (Subscriber Identification Module) card. This card contains your mobile phone account details, contacts that can be stored and any additional services to which you have subscribed. You must install a SIM card before you can make or receive phone calls or use wireless data services.

1. With the angled corner in the upper-right position, slide the SIM card below the two metal holders until it fits into place.



2. Insert the battery into its compartment at an angle (1) and then close the lower part to engage the battery lock (2).



◀ NOTE ▶

- To remove the battery, push the battery lock downward. The battery will pop out slightly for removing.
- Insert and remove the SIM card with care. Do not bend the SIM card or scratch the contact area.

1.3 Charging the Battery

You must fully charge the battery before starting to use your Smartphone for the first time.

1. Attach the converter to the AC adapter.
2. Connect to AC power. You can connect with the USB cradle or without it.

With the USB Cradle

- ❶ Slide your Smartphone into the cradle.
- ❷ Connect the appropriate end of the AC adapter to the USB cradle.
- ❸ Plug the other end of the AC adapter into a wall outlet.



Without the USB Cradle

- ❶ Connect the USB adapter to the bottom of your Smartphone.
- ❷ Connect the appropriate end of the AC adapter to the USB adapter.
- ❸ Plug the other end of the AC adapter into a wall outlet.



3. The status indicator on the Smartphone glows orange to indicate that battery charging is in progress. The indicator is off when the battery is fully charged.

◀ NOTE ▶

- When charging the battery for the very first time, you should charge it for at least eight hours.
- A discharged battery can be fully charged after two hours. The charging time may vary under different conditions.
- When a fully discharged battery is being charged, you can turn on the Smartphone only after it connects to the AC power for at least five minutes.
- You can remove the battery and put it in the cradle's battery compartment for charging.
- You may use your Smartphone during charging. When the Smartphone is on, you can check the charging level by selecting **Start** → **Settings** → **Power Management**.

1.4 Turning Your Smartphone on and off

Turning on

1. Press and hold the **End** key . The backlight of the keypad will glow, and your Smartphone will display startup screens and then the Home screen.
2. If the service provider (or you) has set the PIN, you will be prompted to enter the PIN. Enter the PIN and press the **OK** soft key. (For details on PIN, see “Locking the SIM Card” in section 2.4.)
3. Your Smartphone starts to search the mobile network and the service provider’s name will be displayed on the screen. You can now use your Smartphone.

Turning off

1. Press and hold the **End** key  until the Quick List appears.
2. The first option is **Power off**. Press the Navigation stick or **Select** soft key to turn off your Smartphone.

Power Management

By default, your Smartphone will automatically turn off the screen’s and keypad’s backlight after being idle for 60 seconds. In addition, your Smartphone may enter the sleep mode, causing the screen to blank, after being idle for a specific period of time. To end the sleep mode, press the **End** key . The screen will restore. (For information on Power Management, see “Power Management” in section 4.1.)

◀ NOTE ▶

- The battery’s operating time relies on the mobile network status, the way you use your Smartphone and the ambient environment. The power consumption is higher under the following conditions:
 - Your Smartphone has to frequently search mobile network because of weak signals, moving in high speed or being out of the range of the mobile network.
 - You use the vibration function, hands-free solution, alarm, or play games.
 - The backlight is on.
 - The phone’s volume is set to maximum.
 - You use the camera.
 - The operating time is shorter in low temperatures.

1.5 Installing ActiveSync

You can use Microsoft® ActiveSync® technology to synchronize the information on your Smartphone with information on your desktop computer and optionally, a server running Microsoft® Exchange® Server with Exchange ActiveSync. When you do this, ActiveSync compares the information on the Smartphone with the information on the desktop computer and Exchange Server, and updates all locations, keeping you up to date with the most recent information. You can even synchronize on a customizable schedule, or as items arrive.

◀ NOTE ▶

- Before the installation, make sure that you have Microsoft Outlook installed on your desktop computer. If you do not have Outlook or your version of Outlook is earlier than the version provided on the Companion CD, install Outlook from the Companion CD.
- If you have an older version of ActiveSync installed on your desktop computer, the installation wizard will inform you. When you choose to continue, the new ActiveSync will replace the existing ActiveSync on your computer.
- Do not connect your Smartphone to your desktop computer before ActiveSync is installed.
- During the New Partnership setup, select “Synchronize with this desktop computer.” Do not select “Synchronize with Microsoft Exchange Server and/or this desktop computer” unless you are sure that your company is running Microsoft Exchange Server and Exchange ActiveSync. Contact your network administrator or ISP for detailed information.

Before you can synchronize information with a desktop computer, you must first install ActiveSync on your desktop computer and create a partnership between your Smartphone and your desktop computer. Follow the procedure below:

1. Turn on your desktop computer.
2. Insert the Companion CD into the CD-ROM drive of your desktop computer.
3. Click the arrow on the first screen to enter the main screen and click **Start Here**.
4. In the following screen, click **Install ActiveSync** on the left column.
5. In the following screen, click **Install** to start the installation.
6. If you use Windows XP, select **Open** when the “File Download” window appears on the screen; if you use Windows 2000/Me/98, select **Run this program from its current location** and click **OK**.
7. Follow the on-screen instructions to install ActiveSync.

-
8. After ActiveSync is installed, you will be prompted to connect your Smartphone to your desktop computer. You can connect with the USB cradle or without it.

With the USB Cradle

- ❶ Slide your Smartphone into the cradle.
- ❷ Connect the appropriate end of the ActiveSync cable to the USB cradle.
- ❸ Connect the other end to a USB port on your desktop computer.



Without the USB Cradle

- ❶ Connect the appropriate end of the ActiveSync cable to the bottom of the Smartphone.
- ❷ Connect the other end to a USB port on your desktop computer.
- ❸ If you want to connect the AC adapter, connect it to the ActiveSync cable.



9. The “Add New Hardware Wizard” should automatically install the USB driver. (If you need to specify the location of the driver, click **Browse** and select the CD-ROM drive containing the Companion CD.)
10. Follow the on-screen instructions to establish a partnership and synchronize your Smartphone with your desktop computer.

After synchronizing for the first time, take a look at Calendar, Contacts, and Tasks on the Smartphone. You will notice that your information has been copied to the Smartphone. (For more information on ActiveSync, see Chapter 7.)

1.6 Expanding Your Smartphone

◀ NOTE ▶

- The availability of accessories from the Smartphone manufacturer may vary by regions. For the latest information, please contact your local dealer.
- The use of unauthorized accessories will void your Warranty.

Accessories

You can expand the capabilities of your Smartphone or facilitate your operation by purchasing accessories designed for your Smartphone. For example, you can use the SD/MMC card and Car Kit.

Using the Phone Headset

The phone headset includes a microphone and two earphones, allowing you to talk conveniently using a hands-free solution.

Your Smartphone has an earphone connector on its top. Open the protective cover to plug the phone headset cable.



Using a SD/MMC Card

Your Smartphone has a SD/MMC card slot that accepts a SD (Secure Digital) or MMC (MultiMediaCard) storage card or I/O card.

To insert a SD/MMC card, first open the protective cover. Insert the card with its label facing the front and the connector pointing to the slot of the Smartphone, as shown in the diagram. Then push it into the slot until it clicks into place. You can then close the protective cover.

To remove a card, first make sure that no application is accessing the card, then slightly push the top edge of the card to release it and pull it out of the slot.



◀ NOTE ▶

- A storage card is also called as a memory card.
- For more information, please refer to the document of the SD/MMC card.
- Make sure that no foreign objects enter the SD/MMC card slot.
- Keep a SD/MMC card in a well-protected box to avoid dust and humidity when you are not using it.

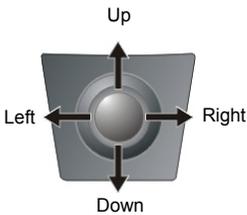
2 Basic Skills

This chapter familiarizes you with the basic skills of using your Smartphone, such as using the Navigation stick, understanding the Home screen and screen elements, entering text and numbers, and securing your Smartphone.

2.1 Navigation Methods

Your Smartphone has various keys that allow you to move around and select. This is particularly useful for one-hand operation.

Navigation Stick



The four-directional navigation stick allows you to:

- Scroll to an item or move the cursor on the screen by pushing the stick toward the corresponding direction.
- Confirm your selection by pressing in the stick.

◀ NOTE ▶

- In the procedures in this document, “scroll” means pushing the navigation stick to go to an item and “select” means pressing the Navigation stick after scrolling to an item.

Home Key



The **Home** key takes you to the Home screen, the main screen of your Smartphone.

Back Key



The **Back** key navigates to the previous screen.

When you are typing text, the **Back** key moves the cursor back to delete the character in a text field. Pressing and holding the **Back** key deletes multiple characters.

Soft Keys



There are two soft keys on the two sides of your Smartphone, located directly below the display screen.

Pressing a soft key performs the command displayed immediately above it on the screen. Soft key commands may change from one screen to the next.

Numeric Keypad



You can use numbers to navigate quickly to programs and settings on your Smartphone. Just press the number on the keypad that corresponds to the number shown next to the program or setting you want.

Though commands in a menu are normally not labeled with numbers, you can still use numbers to select menu commands by pressing the number that corresponds to the menu commands in top-down order.

2.2 Home Screen and Screen Elements

Home Screen



The Home screen is your starting place for most tasks. The screen automatically displays when you turn your Smartphone on or leave it idle. You can navigate to the Home screen at any time by pressing the **Home** key.

The top of the Home screen displays the five programs you have most recently used. It also displays your current service provider, the current time, your next appointment, your current profile, and the number of new messages.

You can open an associated program quickly by using the navigation stick to move around and then pressing the Navigation stick.

| To... | Do this... |
|---|--|
| Open a program | Scroll to the top of the screen, and then select the program by scrolling (right) to its icon and pressing the Navigation stick. |
| Open Calendar and view your appointments for the day | Scroll to your next appointment and press the Navigation stick. (For information on Calendar, see section 6.2.) |
| Open Messaging and read your messages | Scroll to the status area of the messaging account for which you want to read messages and press the Navigation stick. (For information on Messaging, see Chapter 5.) |
| Open Contacts and view your contact list | Select the right soft key (if Contacts appears on the screen). (For information on Contacts, see section 6.1.) |
| Open Profiles and view or change your profile settings | Scroll to your current profile and press the Navigation stick. (For information on Profiles, see section 4.1.) |

Status Indicators

Status indicators appear at the top of the Smartphone screen. The following table lists common status indicators and their meanings.

| Indicator | Meaning | Indicator | Meaning |
|---|--|---|------------------|
|  | New e-mail or text message (SMS) |  | Battery level |
|  | New voice mail on line 1 |  | Low battery |
|  | New voice mail on line 2 |  | Battery charging |
|  | New voice mail on lines 1 and 2 |  | Signal strength |
|  | New instant message |  | No signal |
| 1 | Line 1 |  | GPRS available |
| 2 | Line 2 |  | GPRS in use |
|  | Voice call in progress |  | Roaming |
|  | Data call in progress |  | Sync error |
|  | Call on hold |  | Radio off |
|  | Missed call |  | Ringer off |
|  | Incoming voice calls are being forwarded to another number | | |

Start List

Smartphone includes many pre-installed programs that you can open and start using right away.

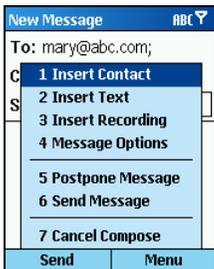
On the Home screen, press the **Start** soft key. Select a program by scrolling to it and pressing the Navigation stick. The **More** option in the list indicates that you can select **More** to access the next page of the list.



NOTE

- If your SIM card supports the STK (SIM Tool Kit) function, you can also run the program(s) in the SIM card.

Menus



On many screens, the right soft key is the **Menu** soft key. Pressing **Menu** displays a list of commands for the current screen. Depending on the menu, selecting a command has one of the following results:

- Performs the command
- Takes you to another screen where you can perform the command
- Displays another menu
- Opens a program

NOTE

- You can choose menu commands quickly by pressing the number on the keypad that corresponds to the number shown next to the command you want; for example, in Start, press 3 to open Calendar.

Quick List

| Quick List | |
|------------|-------------|
| 1 | Power off |
| 2 | Flight mode |
| 3 | Key lock |
| 4 | Device lock |
| 5 | Normal ✓ |
| 6 | Silent |
| 7 | Meeting |
| 8 | Outdoor |
| 9 | More... |
| Select | Cancel |

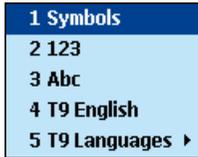
The Quick List provides a list of commands that you can use to quickly perform common actions, such as turning off the Smartphone, locking the Smartphone, turning off the phone capability, and changing the profile type.

Press and hold the **End** key  until the Quick List appears. Then, press the number to perform the command; or, scroll to an option and then press the Navigation stick or **Select** soft key.

2.3 Entering Text and Numbers

You can enter text and numbers on your Smartphone using the keypad. Your Smartphone supports three input modes for enter text and numbers: Multipress, T9 and Numeric. The Multipress and T9 modes are used for entering text and the Numeric mode is used for entering numbers.

Selecting Input Mode



When you select a field that requires text or numeric entry, your Smartphone will automatically default to the appropriate input mode.

To change the input modes, press and hold the Asterisk key (*) and select the input mode you want from the pop-up menu.

The status icon on the top-right corner of the screen shows the input mode you are currently using. The following table shows the complete list of input mode status icons.

| Icon | Input mode |
|------------|---------------------------------------|
| abc | Multipress text input mode, lowercase |
| Abc | Multipress text input mode, uppercase |
| ABC | Multipress text input mode, caps lock |

| Icon | Input mode |
|-----------------------|-------------------------------|
| t9 | T9 text input mode, lowercase |
| T9 | T9 text input mode, uppercase |
| T9 | T9 text input mode, caps lock |
| 1₂3 | Number input mode |

Entering Text

Entering Text in Multipress Mode

To enter a letter in Multipress mode, press the number key on which the letter appears. To enter the first letter on the number key, press the key once. To enter the second letter, press the key twice, and so on.

For example:

- To enter the letter “s,” press **7777**.
- To enter the word “hat,” press **44, 2, 8**.

The letter entered most recently is underlined until you have completed the keypresses for the letter and moved on to the next letter. When you enter letters that are on the same number key, you must pause after entering the first letter and wait until the underline disappears before entering the next letter so that the first letter can be processed. For example:

- To enter the word “cat,” press **222**, pause, press **2**, pause, and press **8**.

The pause between keypresses is called the Multipress time out, and you can adjust the length of the pause. (You can adjust the Multipress time out. See “Accessibility” in section 4.2.)

Entering Text in T9 Mode

To form a word in T9 mode, press the number keys that contain the letters you want. As you enter letters, T9 analyzes your keypresses and attempts to complete the word.

For example:

- To enter the word “shoe,” press **7, 4, 6, 3**.

The following steps provide detailed instructions on using T9 input mode:

1. If the T9 language is not English, press and hold the Asterisk key (*), select **T9 Languages** from the pop-up menu, and then select **T9 English**.
2. Press and hold the Asterisk key (*), select **T9 English** from the pop-up menu. The T9 indicator appears at the top of the display.
3. Enter letters by pressing the keys on which the letters appear. Press a key only once for each letter.
4. Matching words appear on the screen. If the first word is the word you want, press the Pound key (#) to accept the word and enter a space after it.

If the word you want is among the pop-up word list below the first word, scroll to it and press the Pound key (#).

If you do not see the correct word, erase the word. Then press and hold the Asterisk key (*), select **ABC** from the pop-up menu to change to Multipress mode, and manually enter the word.

◀ N O T E ▶

- T9 cannot always find the word you want in the T9 dictionary; in these cases, change to Multipress mode. After you have entered the word in Multipress mode, the word will be added to the T9 dictionary.
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Entering Numbers in Numeric Mode

You can enter numbers by using Numeric mode. If you need to enter a number within a line of text, you can change to Numeric mode (123) by pressing and holding the Asterisk key (*), and then selecting **123** from the pop-up menu to enter the number, and then change back to Multipress or T9 mode to finish entering the text.

◀ NOTE ▶

- If a field permits a numeric entry only, such as the Work phone field in Contacts, the input mode automatically defaults to Numeric mode.

Entering Symbols

Press and hold the Pound key (#), and select a symbol. Or, press and hold the Asterisk key (*), select **Symbols** from the pop-up menu, and select a symbol.

If you are in Multipress mode, you can repeatedly press the number key **1** until the symbol appears. (Not all symbols are available using this method.)

Miscellaneous Input Tasks

| To... | Do this... |
|---|---|
| Enter a space | In Multipress or T9 mode, press the Pound key (#). |
| Start a new line | Press the Navigation stick. |
| Change between uppercase and lowercase | Press the Asterisk key (*). When you are in text mode, the first letter of a sentence is automatically capitalized. |
| Lock caps | Press the Asterisk key (*) twice to lock caps. Press the Asterisk key (*) again to return to lowercase. |
| Enter a number, an asterisk (*), or a pound sign (#) | Change to Numeric mode, and press the corresponding key on the keypad. |
| Delete characters | Press the Back key to backspace over a single character. Or press and hold the Back key to backspace and delete an entire text field. |
| Enter the plus sign (+) for international calls | Press and hold the Pound key (#), and select the plus sign. |

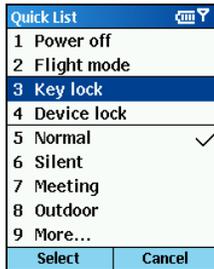
2.4 Securing the Smartphone

You can customize the level of security you want to have on the Smartphone by locking the keypad, the entire Smartphone, or the SIM card.

Locking the Keypad

The keypad lock turns off the keypad functionality. This is a helpful feature if, for example, the Smartphone is turned on and in your pocket, and you want to prevent accidental keypresses.

To lock the keypad:

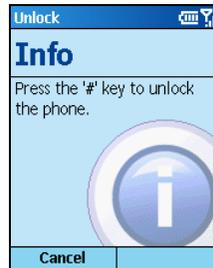


1. Press and hold the **End** key  until the Quick List appears.
2. Press the number **3** or scroll to **Key lock** in the list.
3. Press the Navigation stick or **Select** soft key.

The left soft key will display **Unlock**, indicating that the keypad is locked.

To unlock the keypad:

On the Home screen, press the **Unlock** soft key, and then press the Pound key (#).



◀ NOTE ▶

- You can still receive calls and make emergency calls when the keypad is locked.

Locking the Smartphone

Locking your Smartphone prevents access to personal data. When you enable this feature, the Smartphone will automatically lock after a specified time of inactivity. A screen will be displayed requiring your Smartphone lock password before access is granted.

To turn on device lock:



1. Press and hold the **End** key  until the Quick List appears.
2. Press the number **4** or scroll to **Device lock** in the list and press the Navigation stick or **Select** soft key.
3. Under **Lock phone after**, push the Navigation stick left/right to select the amount of time the Smartphone is inactive before the Smartphone automatically locks.
4. Scroll to **Password**. Enter the password you want to use to access the Smartphone when it is locked. Then, scroll to **Confirm password** and enter the password again.
5. Press the **Done** soft key to save your settings.

To lock the Smartphone:

After you turn on device lock, your Smartphone will automatically lock after a specified time of inactivity. You can also directly lock your Smartphone by selecting **Device lock** from the Quick List. The left soft key on the screen will display **Unlock** to indicate that your Smartphone is locked.

◀ NOTE ▶

- You can still receive calls and make emergency calls when the Smartphone is locked.

To unlock the Smartphone:



When the Smartphone is locked, press the **Unlock** soft key, enter your password, and then press the **Unlock** soft key again.

To turn off the device lock:

1. On the Home screen, press the **Start** soft key, select **Settings → Security**.
2. Select **Disable phone lock**.
3. Enter the password.
4. Press the **Done** soft key. The time and password you have set will be cleared.

Locking the SIM Card

Locking the SIM card prevents you and others from using the Smartphone that contains the SIM card until the correct password is entered. To turn on the phone, you have to enter the PIN.

To lock the SIM card and set the PIN:

1. On the Home screen, press the **Start** soft key, select **Settings → Security**.
2. Select **Enable SIM Lock**.
3. Enter the password (SIM card's PIN1), and press **Done** soft key.

Once the PIN is enabled, your Smartphone will ask you to enter the PIN whenever you turn it on.

To unlock the SIM card:

1. On the Home screen, press the **Start** soft key, select **Settings → Security**.
2. Select **Disable SIM Lock**.
3. Enter the password (SIM card's PIN1), and press the **Done** soft key.

To change the PIN:

1. On the Home screen, press the **Start** soft key, select **Settings → Security**.
2. Select **Change SIM Lock**.
3. Enter the original PIN1 code. Scroll to the next field by pushing the Navigation stick down and enter a new password. Then, push the Navigation stick down and enter the new password again.
4. Press the **Done** soft key.

◀ NOTE ▶

- You can still receive calls and make emergency calls when the SIM card is locked.

3 Using the Phone

This chapter explains how to make and receive phone calls, track your calls, and manage your calls and phone numbers more efficiently.

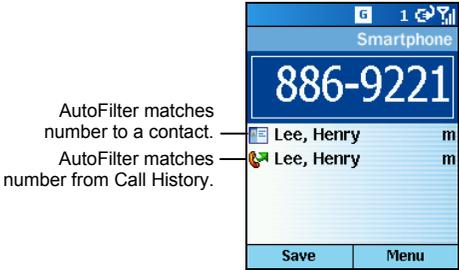
3.1 Making a Call

There are several ways to make a call. You can make a call from the Home screen by directly pressing the numbers. You can also make a call using the numbers existing in your Smartphone such as the numbers you have saved, the calls you dialed or received recently, etc.

Making a Call from the Home Screen

On the Home screen, you can call someone by entering a phone number or a contact name using the keypad. As you begin pressing keys, your Smartphone displays the names of any contacts whose name or phone number match your entry. These could be contacts stored in your Call History or Speed Dial list, or on your SIM card. You can then select the name or number to call without having to enter the entire name or number.

1. On the Home screen, begin entering phone number or contact name.
2. If you see the number or contact name to call, scroll down to select it. If it's a new number you are calling, finish entering the number.



3. Press the **Talk** key .

NOTE

- When you enter and select a contact name, the default phone number is used if there is more than one phone number for the contact.

Making a Call from Contacts

Contacts is a Microsoft program for storing your contacts information in the Smartphone's memory.

You can quickly make a phone call from your contact list or from an open contact. When you make a call from your contact list, the Smartphone dials the contact's default number. You can change the default number at any time so that the Smartphone dials a different number, such as the Home or Mobile number. When you make a call from an open contact, you can select the number to dial.

1. On the Home screen, press the **Start** soft key, and select **Contacts**.
2. Scroll to the contact. If you have a long list of contacts, you can enter the first few letters of the contact's name, and the Smartphone will search through the entire contact list and display the name.
3. Press the **Talk** key  to dial the default number of the selected contact. If you are not dialing the default number, change the number by pushing the Navigation stick left/right, and then press the **Talk** key .

◀ NOTE ▶

- When a contact is selected, you can press the Navigation stick to open the Contacts card and select a number from there.
- For detailed information on the Contacts program, see section 6.1.

Making a Call Using a Recently Dialed Number

You can select a name or number from the list of recently dialed phone numbers to call that person again. You can also quickly redial the last number called.

To make a call using a recently dialed number:



1. On the Home screen, press the **Talk** key  to display a list of recently dialed phone numbers.
2. Scroll to the name or phone number to call.
3. Press the **Talk** key .

To dial the last number called:

On the Home screen, press the **Talk** key  twice.

Making a Call from the Call History List



The Call History list displays calls you made, received, and missed. You can make a call from this list.

1. On the Home screen, scroll to the top left corner to select the **Call History** shortcut.
2. Scroll to the name or phone number to call.
3. Press the **Talk** key .

◀ NOTE ▶

- For detailed information on Call History, see section 3.5.

Making a Call from a Hyperlink Phone Number



You can quickly dial a phone number from an e-mail or text message that contains a hyperlink phone number. A hyperlink phone number is underlined, in the same manner as a Web site address.

From a message containing a hyperlink phone number, scroll to the phone number and press the **Talk** key .

Making a Call from Speed Dial

Speed Dial enables you to quickly place a call without having to actually enter the number.

On the Home screen, press and hold the number on the keypad that you have assigned as a speed dial for a number. If the keypad assignment is two digits, press the first digit and press and hold the second digit.

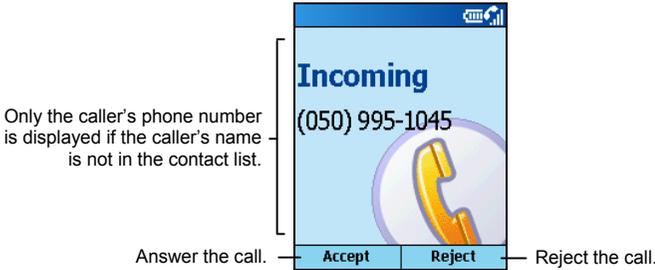
◀ NOTE ▶

- For information on assigning Speed Dial numbers, see section 3.6.

3.2 Responding to an Incoming Call

When you receive a call on your Smartphone, your Smartphone rings. The phone number of the caller, if available, is displayed on the screen.

If the caller is included in your contact list, the contact name will be displayed. If the caller is associated with an image (called “Photo ID”), the image will be displayed.



◀ NOTE ▶

- There may be situations where you want to immediately silence the ring of an incoming call. Simply press the Volume control, and then proceed to answer the call.
- You can customize the phone ring. (See “Sounds” in section 4.1.)
- You can customize the photo and ring tone. (See section 10.1.)

Answering an Incoming Call

Press the **Talk** key  or **Accept** soft key.

Rejecting an Incoming Call

Press the **End** key  or **Reject** soft key.

3.3 Managing More than One Call

During a call, you can make or take a second call while putting the current call on hold. Then, you can choose to swap between the two callers or set up a conference call between all three parties.

◀ NOTE ▶

- You may need to register for the “call waiting” service with your service provider and set your Smartphone accordingly.

Holding a Call to Take a Second Call

If there is another incoming call when you are talking on the Smartphone, press the **Talk** key  or **Accept** soft key to place the first call on hold, and answer the second call.

To end the first call and answer the second call, press the **End** key , and then press the **Talk** key  or **Accept** soft key.

Rejecting the Second Call

Press the **Reject** soft key to reject the second call and keep your current call in progress.

Holding a Call to Make a Second Call

When you are talking on the Smartphone, you can press the **Hold** soft key to place the first call on hold and dial a second call. When you have finished the second call, press the **End** key  to go back to the first call.

Swapping between Calls

When you have put a call on hold and made or taken another call as described earlier, you can change between the calls by pressing the **Swap** soft key.

Setting up a Conference Call

When multiple calls are in progress, you can press the **Menu** soft key and select **Conference** to set up a conference call.

3.4 In-call Options

Adjusting the Phone Volume

To adjust the volume during a call, simply press the Volume control on the side of your Smartphone.

Speakerphone

To use the speakerphone function as a hands-free solution, press and hold the **Talk** key . The other party's voice will be magnified and sent out through the speaker. You can then talk without having to hold the Smartphone against your cheek.

◀ NOTE ▶

- When using the speakerphone function, always talk in turns. If you talk when the other party is still talking, the other party cannot hear you clearly.

In-call Options

While a call is in progress, you can press the **Menu** soft key to access menu commands for common tasks. The following table shows the commands available when a call is in progress. Some of these commands are available only when multiple calls are in progress or during a conference call.

| In-call Options | Function |
|-------------------------|---|
| End | Disconnects the call. |
| Hold | Puts the active call on hold. |
| Unhold | Activates the call on hold. |
| Swap | Switches between two calls. |
| Save to Contacts | Creates a contact card for the caller. |
| Conference | Joins together all existing calls, if you have subscribed to this service. |
| Private | Breaks one call out of a conference and make it active while the rest of the conference is on hold. |
| Speakerphone | Increases the volume of the earpiece. |
| Mute | Mutes the microphone for the active call; the other party will not hear anything you say, but you can still hear the other party. |
| Unmute | Turns the microphone back on for the active call. |

3.5 Call History

Call History displays calls that you have made, received, and missed. Each entry in Call History contains the start time of the call, the duration, the caller's name, if available, and the caller's number. The oldest calls are automatically deleted from the list to make room for the newest calls.

Viewing Call History



On the Home screen, scroll to the top left corner to select the **Call History** shortcut. Or, you can press the **Start** soft key and select **Call History**.

Call History Menu Commands

In Call History, press the **Menu** soft key to access the command list.

| Call History Menu | Function |
|-------------------------|--|
| Find Contact | Opens the contact card of the selected entry in Call History (if the contact is already in the contact list). |
| E-mail | Opens Messaging so you can send an e-mail message to the selected entry in Call History (if the contact is already in the contact list and contains an e-mail address). |
| View Timers | Displays detailed information regarding the length of your last call, the total number of calls made and received, calls by type, and a lifetime counter. Call Timers is useful when you want to keep track of your calling patterns, for example to determine what type of calling plan to subscribe to and help you estimate your monthly billing. |
| Delete | Deletes the selected entry in Call History. |
| Delete List | Deletes all entries in Call History. |
| Save to Contacts | Stores the selected entry to Contacts. When you select Save to Contacts , the Select Contact screen appears. In the <New Item> field, press the Navigation stick, scroll to the desired field, and press the Insert soft key to paste the number to the field. Enter the information in the other fields, and press the Done soft key. |
| Filter | Allows you to separately view Missed Calls , Incoming Calls , or Outgoing Calls . |

3.6 Speed Dial

You can create one- or two-digit speed dials. When you press a speed dial, Smartphone automatically dials the associated phone number, opens an e-mail message using the associated address, or goes to the associated Web page.

You can create speed dials from 2 to 99. Speed dial 1 is reserved for your voice-mail number, and is automatically configured in your speed dial settings.

NOTE

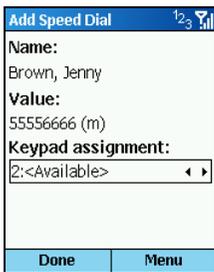
- You can create a speed dial only for a phone number, e-mail address, or Web page address that is stored in Contacts. You cannot create a speed dial for a contact stored in the SIM card.
- For information on voice mail, see section 3.8.

Creating a Speed Dial

1. On the Home screen, press the **Start** soft key and select **Contacts**.
2. Select the desired contact and open the contact card to create a speed dial.
3. Select the phone number, Web page address or e-mail address to create a speed dial.
4. Press the **Menu** soft key, and select **Add Speed Dial**.
5. Under **Keypad assignment**, enter the speed dial number to use.
6. Press the **Done** soft key.

On the Home screen, press and hold the number on the keypad that you have assigned as a speed dial for the phone number, e-mail address, or Web page. If the speed dial is two digits, press the first digit, and press and hold the second digit.

Editing a Speed Dial



1. On the Home screen, press the **Start** soft key and select **Speed Dial**.
2. Select an entry from the speed dial list.
3. Press the **Edit** soft key, or the **Menu** soft key then select **Edit**.
4. Go to **Keypad assignment**, and push the Navigation stick left/right to select a new speed dial number to use.
5. Press the **Done** soft key.

Deleting a Speed Dial

1. On the Home screen, press the **Start** soft key and select **Speed Dial**.
2. Select an entry from the speed dial list.
3. Press the **Menu** soft key and select **Delete**.

◀ NOTE ▶

- When you delete a contact that is stored in Contacts, the speed dial you have set for this contact still exists in the speed dial list. You need to delete the speed dial from Speed Dial as well.

Viewing the Speed Dial List

On the Home screen, press the **Start** soft key and select **Speed Dial**.

When you select an entry in the speed dial list, you can press the **Go** soft key or use the **Menu** commands to dial the selected number, open a new e-mail message, go to the Web page, display the contact card, or delete an entry.

◀ NOTE ▶

- To view speed dials only, press the **Menu** soft key and select **Filter → Speed Dial**.

3.7 Voice Mail

Voice Mail is a service provided by your service provider. To use this service, you have to apply for it and obtain the phone number used for accessing the voice mail. You can call your voice mailbox by using speed dial 1, which is reserved for your voice-mail number.

Setting up the Voice Mail Phone Number

1. On the Home screen, press the **Start** soft key and select **Settings** → **Phone**.
2. Select **Call Options**.
3. Under **Voice mail number**, enter the number for voice mail. This number will be automatically assigned Speed Dial 1.

Checking Your Voice Mail

On the Home screen, press and hold the number **1** to call the voice mail of your service provider.

3.8 International Call

To enter an international country code:

To make an international call, you must include a country code at the beginning of the dialing sequence for the phone number. The country code appears first, followed by a plus (+) sign, and is separated from the rest of the number sequence. If you are making an international call, press and hold the **0** key until the + sign appears. This operation also applies to Contacts and manual dialing.

To insert a 3-second pause in a dialing sequence:

Some international calls require a three-second pause in the dialing sequence for the call to process successfully.

When you are entering the phone number in Contacts, place the cursor where you want to insert a three-second pause, press the **Menu** soft key, and select **Insert Pause**. The letter “p” will appear in the number to show where the three-second pause will occur in the dialing sequence.

To inserting a manually pause in a dialing sequence:

There may be phone numbers that require a pause longer than three seconds in the dialing sequence. For these cases, you can pause as long as you want and manually continue the dialing sequence using the **Talk** key.

When you are entering the phone number in Contacts, place the cursor where you want the dialing sequence to pause before proceeding, press the **Menu** soft key, and select **Insert Wait**. The letter “w” will appear in the number to show where the pause will occur in the dialing sequence.

To resume dialing after reaching a manual pause, press the **Talk** key.

3.9 Turning off the Radio

Under some situations (on the airplane, for example), you will need to turn off the wireless radio of your Smartphone. After turning off the radio, you cannot use the phone function of your Smartphone, but you can still use other functions such as camera, Calendar, games, Media Player, etc.

To turn off the radio:

1. Press and hold the **End** key  until the Quick List appears.
2. Select **Flight mode**. The status icon changes to  and the message “Flight Mode” appears on the Home screen.

To turn on the radio:

1. Press and hold the **End** key  until the Quick List appears.
2. Select **Flight mode off**.

◀ NOTE ▶

- If you need to turn on the radio again after turning it off, please wait for 20 seconds before turning it on.
- When you turn off the radio, it remains off when you next turn on your Smartphone.

4 Setting up Your Smartphone

You can customize the settings on your Smartphone for the way you work. For example, you can change the sounds or use your own sounds for ring tones, use your own image for the Home screen background, set up “call forwarding” and “call waiting” to manage your calls more efficiently, and more. This chapter tells you how to set up your Smartphone.

4.1 Settings (Page 1)

On the Home screen, press the **Start** soft key and select **Settings** to access Settings, which contains three setting pages.

To help you locate the item you want to set up, the following table shows the setting items and sub items on page 1, and then describe all the items in sequence.

Setting Items (Page 1)

| | |
|--|---------------|
| Settings   | |
| 1 | Phone |
| 2 | Sounds |
| 3 | Profiles |
| 4 | Home Screen |
| 5 | About |
| 6 | Accessibility |
| 7 | Beam |
| 8 | Bluetooth |
| 9 | More... |
| Done | |

| | | | |
|----------|---------------------|-----------------|-----------------------|
| 1 Phone | 1 Call Barring | 3 Profiles | 1 Normal |
| | 2 Call Forwarding | | 2 Silent |
| | 3 Call Options | | 3 Meeting |
| | 4 Call Waiting | | 4 Outdoor |
| | 5 Caller ID | | 5 Automatic |
| | 6 Channels | | 6 Headset |
| | 7 Fixed Dialing | | 7 Car |
| | 8 Networks | | 8 Speakerphone |
| 2 Sounds | Ring tone | 4 Home Screen | Home screen layout |
| | Reminders | | Color scheme |
| | New e-mail | | Background image |
| | New text message | | Time out |
| | New voice message | 5 About | |
| | New instant message | 6 Accessibility | System font size |
| | New channel message | | Multipress time out |
| | Alarm clock | | Confirmation time out |
| | SIM toolkit message | | In-call alert volume |
| | Exclamation | 7 Beam | |
| | Question | 8 Bluetooth | |
| | Warnings | | |
| | Keypad control | | |

Phone

You use Phone settings to set options such as call forwarding, call waiting, and caller ID. These settings are related to the services you applied with your service provider.

Call Barring

To block incoming or outgoing calls:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Phone** → **Call Barring**.
2. In **Block incoming calls** or **Block outgoing calls**, scroll to the option you want: **Off**, **When Roaming**, or **All Calls**.
3. Select **Done**. You will not be able to receive or make calls according to the options that you selected.

Call Forwarding

To forward all or selected calls to another number:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Phone** → **Call Forwarding**.
2. Select the condition under which to forward calls as follows:
 - **Unconditional** to forward all calls
 - **No Reply** to forward calls when you do not answer
 - **Busy** to forward calls when your line is busy
 - **Unavailable** to forward calls when your phone is off or out of service range
3. Select **Enable call forwarding**.
4. Enter the phone number to which calls are to be forwarded.
5. Select **Done**.

Call Options

To set up various call options:

1. On the Home screen, press the **Start** soft key, and select **Settings → Phone → Call Options**.
2. The available options are:
 - **An key answer** allows you to press any key to answer an incoming call.
 - **Show SIM contacts** displays SIM contacts when you open Microsoft Contacts.
 - **Voice mail number** allows you to enter your voice-mail phone number.
 - **SMS service center** allows you to enter your SMS service center phone number.
 - **Country code** allows you to specify your country code and area code.
3. Select **Done**.

Call Waiting

To turn call waiting notifications on or off:

1. On the Home screen, press the **Start** soft key, and select **Settings → Phone → Call Waiting**.
2. Select **Provide call waiting notifications**.
3. Select **Done**. When you receive a call while you are already on a call, you will be notified.

Caller ID

To configure caller ID:

1. On the Home screen, press the **Start** soft key, and select **Settings → Phone → Caller ID**.
2. In **Provide my caller ID to**, scroll to the option you want: **Everyone**, **No one**, or **Only my contacts**.
3. Select **Done**. The selected callers will be able to see your name and phone number information when you call them.

Channels

Your service provider may provide add-on services such as cell broadcast. With this service, you can receive a variety of information such as weather forecast, stock, and traffic.

To configure cell broadcast:

1. On the Home screen, press the **Start** soft key, and select **Settings → Phone → Channels**.
2. Select the options you want.
3. Select **Done**.

Fixed Dialing

To limit calls to specific area codes or phone numbers:

1. On the Home screen, press the **Start** soft key, and select **Settings → Phone → Fixed Dialing**.
2. Select **Enable fixed dialing**.
3. Select **Menu** and then **Edit Numbers**.
4. Select **Menu** and then **Add**.
5. Enter the phone number or area code to which to restrict calling and select **Done**.
6. Repeat steps 4 and 5 to add more numbers as necessary. You will be able to make and receive calls only to and from the numbers or area codes specified.

Networks

To select networks:

1. On the Home screen, press the **Start** soft key, and select **Settings → Phone → Networks**.
2. In **Network selection**, scroll to the option you want: **Manual** or **Automatic**.
3. If you selected **Manual**, select **Menu** and then **Select a Network**. Select the network and select **Done**. The Smartphone will use the selected network.

If you selected **Automatic**, select **Menu** and then **Preferred Networks**. Select the networks to use and select **Done**. The Smartphone will automatically use the preferred networks.

To add a network:

1. On the Home screen, press the **Start** soft key, and select **Settings → Phone → Networks**.
2. Select **Menu** and then **Preferred Networks**.
3. Select **Menu** and then **Add**.
4. Select the network you want to add.
5. Select **Select** and then **Done**.

To create a custom network:

1. On the Home screen, press the **Start** soft key, and select **Settings → Phone → Networks**.
2. Select **Menu** and then **Preferred Networks**.
3. Select **Menu** and then **Add Custom**.
4. Enter your network code. Valid network codes are five or six digits and numeric.
5. Select **Done**.

Sounds

You can use Sounds settings to customize the sounds for ring tones, notifications, reminders, and other events. You can also turn the tones that you hear when pressing number keys on or off, and specify the type of tone your Smartphone sends over the network.

Specifying the Sound for an Event

To specify the sound for an event:

You can specify the sound to use for an event or elect not to use a sound. You can select one of the sounds included with your Smartphone, or you can add your own sound to use.

1. On the Home screen, press the **Start** soft key, and select **Settings → Sounds**.
2. Scroll to the event for which to specify a sound.
3. Scroll left/right to select a sound; or, press the Navigation stick to select from the full list. When you select a sound, the sound plays. To play it again, select **Menu** and then **Play**. Select **None** if you don't want to hear a sound for the event.

To add your own sound:

1. Connect your Smartphone to your desktop computer using a USB connection.
2. On your desktop computer, copy the sound file you want. The file format must be .wav, .mid, .wma, or .mp3.
3. In ActiveSync on your desktop computer, click **Explore** and then double-click **My Smartphone**.
4. Do one of the following:
 - To save the sound on your phone, double-click **Storage**, double-click **Application data**, double-click **Sounds**, and then paste the sound file into the Sounds folder.
 - To save the sound on your storage card, double-click **Storage Card**, double-click **My Documents**, and then paste the sound file into the **My Documents** folder.

You can now specify this sound for a ring tone, notification, or reminder on your Smartphone, as described earlier. For ring tones, you can use sounds in either .wav, mid, or .wma , or mp3 file format.

To delete a sound:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Sounds**.
2. Select **Menu** and then **Delete Sounds**.
3. Select the sound to delete.
4. Select **Yes**.

◀ N O T E ▶

- You can use sounds in the .wma file format as ring tones only; you cannot use .wma files for notifications or reminders.
- You can only delete sounds that you added. You cannot delete sounds included with the Smartphone.

Changing Tones

The Smartphone generates tones that represent the numbers you press on the keypad. It sends these tones over the network to communicate with other devices, such as answering machines and voice mail systems. At the same time, it plays the tones so that you can hear them.

If you want, you can turn off the tones that you can hear or else change them to clicks. When you do this, the phone still sends tones across the network, and they are audible to devices or people on the other end of the line.

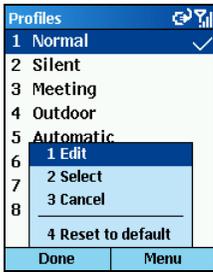
To change or turn off tones:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Sounds**.
2. In **Keypad control**, scroll to the option you want—**Tone**, **Click**, or **None**.
3. Select **Done**.

To turn on tones:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Sounds**.
2. In **Keypad control**, scroll to **Tone**.
3. Select **Done**.

Profiles



You can use Profiles settings to change how the Smartphone notifies you of events such as incoming calls, approaching appointments, or arriving messages.

The Smartphone includes eight profiles. You can use the profiles as-is, or you can edit and rename them to suit your needs. For each profile, you can choose the ring type and volume, the alarm type and volume, the notification type and volume, and the system sound volume.

You can quickly select the profile suited to your current situation. For example, when you are attending a meeting, you can choose the Meeting profile, which silences the ring of your phone and provides visual notifications only. When you are waiting for an important call, you can choose the Outdoor profile, which makes your phone ring loudly.

The following table describes the profiles that are included with the Smartphone. The default profile is the Normal profile.

| Profile Name | Auto-answer Time | Ring Type | Ring Volume | Alarm Type | Alarm Volume | Notification Type | Notification Volume | System Sound Volume |
|--------------|---|-----------|-------------|------------|--------------|-------------------|---------------------|---------------------|
| Normal | -- | Ring | 3 | Increasing | 3 | Play sound | 3 | 3 |
| Silent | -- | Vibrate | Off | Vibrate | Off | Vibrate | Off | Off |
| Meeting | -- | Vibrate | 1 | Play sound | 1 | Play sound | 1 | Off |
| Outdoor | -- | Ring | Loud | Increasing | Loud | Play sound | Loud | Loud |
| Automatic | Toggles between Normal and Meeting, based on your calendar. | | | | | | | |
| Headset | When you connect the hands-free phone headset, your Smartphone will automatically use this profile. | | | | | | | |
| | Never | Ring | 3 | Increasing | 3 | Play sound | 3 | 3 |
| Car | When you connect the car kit, your Smartphone will automatically use this profile. | | | | | | | |
| | Never | Ring | 4 | Increasing | 4 | Play sound | 4 | 4 |
| Speakerphone | When you use the speakerphone function, your Smartphone will automatically use this profile. | | | | | | | |
| | -- | Ring | Loud | Increasing | Loud | Play sound | Loud | Loud |

To change the current profile:

1. Press and hold the **End** key  until the Quick List appears.
2. Scroll to the profile you want: **Normal** (default), **Silent**, **Meeting** or **Outdoor**.
3. Press Navigation stick or **Select** soft key.

To editing a profile:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Profile**.
2. Scroll to the profile to edit.
3. Select **Menu** and then **Edit**.
4. Modify the settings and select **Done**.

◀ N O T E ▶

- To cancel without saving changes, select **Cancel**.
- To revert to the default profile settings, select **Menu** and then **Reset to Default**.

Home Screen

You can use Home Screen settings to change the Home screen layout, the color scheme, the background image, and the time delay before the Home screen appears when the Smartphone is idle.

To change the Home screen appearance:

You can change the Home screen layout, color scheme, and background image to any of the available options instead of using the default settings.

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Home**.
2. In Home **screen layout**, **Color scheme**, and **Background image**, scroll to the options you want.
3. Select **Done**. The image appears behind the text on the Home screen.

To add your own background image:

1. Connect your Smartphone to your desktop computer using a USB connection.
2. On your desktop computer, copy the image file you want. The file format must be .gif, .jpg, or .bmp. For best results, use images with a 176 x 200 screen resolution to fit on the screen.
3. In ActiveSync on your desktop computer, click **Explore** and then double-click **My Smartphone**.
4. Double-click **Storage**, double-click **Application data**, double-click **Home**.
5. Paste the image file into the Home folder.

You can then use this image for your Home screen, as described earlier.

To specify the idle time before the Home screen appears

1. On the Home screen, press the **Start** soft key, and select **Settings → Home**.
2. In **Time out**, scroll to the amount of time for the Smartphone to be idle before the Home screen automatically appears.
3. Select **Done**.

About

The About screen displays information about the Smartphone's operating system, including version numbers and copyright information, and the available storage space, memory, etc.

On the Home screen, press the **Start** soft key, and select **Settings → About** to view the About screen.

Accessibility

You can use Accessibility settings to configure the system font size, multipress time out, confirmation time out, and in-call alert volume.

1. On the Home screen, press the **Start** soft key, and select **Settings → Accessibility**.
2. Select the options you want, as follows:
 - **System font size** to set the size of the font on your screen.
 - **Multipress time out** to set the length of time between keypresses when entering text in Multipress mode.
 - **Confirmation time out** to set the delay before an unconfirmed action times out.
 - **In-call alert volume** to set the volume of sounds that play when you are on a call.
3. Select **Done**.

Beam

If you want to receive infrared beams from other devices, you must turn on the option to receive incoming beams.

On the Home screen, press the **Start** soft key, and select **Settings → Beam**. Select **Receive incoming beams**. The Smartphone receives all incoming beams from other devices until you clear this option.

Bluetooth

Your Smartphone does not support Bluetooth.

4.2 Settings (Page 2)

To help you locate the item you want to set up, the following table shows the setting items and sub items on page 2, and then describe all the items in sequence.

Setting Items (Page 2)

| | |
|---|--|
| Settings  | |
| 1 Certificates | |
| 2 Data Connections | |
| 3 Date and Time | |
| 4 Owner Information | |
| 5 Power Management | |
| 6 Regional Settings | |
| 7 Remove Programs | |
| 8 Security | |
| 9 More... | |
| Done | |

| | |
|---------------------|-----------------------|
| 1 Certificates | 1 Personal |
| | 2 Root |
| 2 Data Connections | Internet connection |
| | Work connection |
| | WAP connection |
| | Secure WAP connection |
| | MMS Connection |
| 3 Date and Time | Time zone |
| | Date |
| | Time |
| | Alarm |
| | Alarm time |
| 4 Owner Information | Name |
| | Telephone number |
| | E-mail address |
| | Notes |
| 5 Power Management | Main battery |
| | Backlight time out |
| | Display time out |

| | |
|---------------------|---------------------|
| 6 Regional Settings | Language |
| | Locale |
| | Short data style |
| | Long date style |
| | Time format |
| | Positive number |
| | Negative number |
| 7 Remove Programs | Positive currency |
| | Negative currency |
| 8 Security | 1 Enable Phone Lock |
| | 2 Disable SIM Lock |
| | 3 Change PIN |
| | 4 Change PIN2 |

Certificates

On your Smartphone you can add and delete public key certificates. These certificates help establish your identity when you log on to a secure network, such as a corporate network. Certificates also help establish the identity of other computers, such as servers, with which you connect. This helps prevent unauthorized users from accessing your device and its information.

You can store two types of certificates on your phone: personal certificates that establish your identity, and root certificates that establish the identity of servers with which you connect. Your device may include a set of preinstalled certificates.

To view and delete certificates:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Certificates**.
2. To view the list of personal certificates, select **Personal**.
3. Do any of the followings:
 - To view the details about a certificate, select it in the list.
 - To view the list of root certificates, select **Root**.
 - To delete a certificate, scroll to it in the list, select **Menu**, and then select **Delete**.

Data Connections

You can use Data Connections settings to create dial-up, Virtual Private Network (VPN), GPRS, and proxy connections so that you can connect to the Internet or your corporate network. By using a data connection, you can browse the Web/WAP, download e-mail, send/receive media messages (MMS), chat by using MSN® Messenger, or synchronize remotely with an Exchange Server. Check with your service provider to see if a data connection has already been set up for you, and if over-the-air configuration is supported.

Working with GPRS Connections

GPRS is a high-speed transmission through the mobile phone network, which features “always on.”

If you subscribe to GPRS (General Packet Radio Services), you can set up a GPRS connection to gain access to your corporate network, the Internet, or the WAP network. You can also send/receive media messages via GPS connection. This is faster than a dial-up connection. The available services depend on your subscription details. Such services are charged.

◀ NOTE ▶

- You can also use your Smartphone as a GPRS modem for a desktop computer. (See section 8.3 for more information.)

To create a GPRS connection:

Your Smartphone may come with customized GPRS connection settings for you to select. In addition, when you subscribe the GPRS service, your service provider may have already set up a GPRS connection for you. If you want to manually create a GPS connection, follow this procedure:

1. Obtain the following information from your service provider: the APN (Access Point Node) name and DNS (Domain Name Servers) name (if required).
2. On the Home screen, press the **Start** soft key, and select **Settings** → **Data Connections**.
3. Press the **Menu** soft key and select **Edit Connections**.
4. Select **GPRS Connections**.
5. Press the **Menu** soft key and select **Add**.
6. Enter the requested information as follows:
 - In **Description**, enter a name for the connection.
 - In **Connects to**, scroll to the type of network (Internet, work, WAP network, or MMS) to which you will connect via this new connection.
 - In **Access point**, enter the information provided by your service provider or system administrator.
 - In **User name**, enter your user name for the GPRS network.
 - In **Password**, enter your password.
 - In **Primary DNS**, enter the primary domain naming system (DNS) address, as provided by your network administrator.
 - In **Secondary DNS**, enter the secondary DNS address, as provided by your system administrator.
 - In **IP address**, enter the Internet Protocol (IP) address, as provided by your system administrator.
7. Press the **Done** soft key.

To select the GPRS connection for Internet, work, WAP connection, and MMS connection:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Data Connections**.
2. In the respective connection settings (**Internet connection**, **Work connection**, **WAP connection**, **Secure WAP connection**, and **MMS Connection**), select the GPRS you want to use.
3. Select **Done**. When you open a program that requires a GPRS connection, the Smartphone uses the connection you have selected. The  icon indicates that GPRS is being used; you can press the **End** key  to stop the GPRS connection.

Working with Dial-up Connections

You can create a dial-up connection to connect remotely to the Internet, a Wireless Application Protocol (WAP) network, or your corporate network. Then, when you open a program that is configured to use this connection, the Smartphone uses it to automatically connect to the network. For example, you can create an Internet connection and then configure Pocket Internet Explorer to use it. Then, when you start Internet Explorer and browse to a Web page on the Internet, the Smartphone automatically connects to the Internet by using your Internet connection.

To create a dial-up connection:

Your Smartphone comes with customized dial-up connection settings for you to select. If you want to manually set up a connection, follow this procedure:

1. Obtain the following information from your ISP: the number to dial up, the Domain name, the user name and password.
2. On the Home screen, press the **Start** soft key, and select **Settings** → **Data Connections**.
3. Press the **Menu** soft key and select **Edit Connections**.
4. Select **Dial-up Connections**.
5. Press the **Menu** soft key and select **Add**.
6. Enter the requested information as follows:
 - In **Description**, enter a name for the connection.
 - In **Connects to**, scroll to the network.
 - In **Phone number**, enter the phone number you use to dial the network.
 - In **User name**, enter your network user name.
 - In **Password**, enter your password.
 - In **Domain**, enter the domain name, if required.
7. Press the **Done** soft key.

◀ NOTE ▶

- If you subscribe to GPRS, you can set up a GPRS connection to access your corporate network or the Internet, which is faster than a dial-up connection. For instructions, see “Working with GPRS Connections.”

Working with VPN Connection

If your company has set up a virtual private network (VPN), you can create a VPN connection to gain access to your corporate network over an Internet connection.

To create a VPN connection:

1. On the Home screen, press the **Start** soft key, and select **Settings → Data Connections**.
2. Select **Menu** and then **Edit Connections**.
3. Select **VPN Connections**.
4. Press the **Menu** soft key and select **Add**.
5. Enter the requested information as follows:
 - In **Description**, enter a name for the connection.
 - In **VPN type**, scroll to the type of VPN.
 - In **Server**, enter the VPN server name.
 - In **Connects from**, scroll to the type of network from which you will connect to the VPN (typically **The Internet**).
 - In **Connects to**, scroll to the type of network to which you will connect (typically **My Corporate Network**).
 - In **User name**, enter your user name for the VPN.
 - In **Password**, enter your password.
 - In **Domain**, enter the domain name, if required.
 - If you selected **IPSec** in **VPN type**, In **IPSec authentication**, select the type of authentication: **Pre-Shared Key** or **Certificate**.
 - If you selected **Pre-Shared Key** in **IPSec authentication**, in **IPSec Pre-shared key**, enter the key.
6. Select **Done**.

Working with Proxy Connections

You can use a proxy connection to gain access to the Internet over an existing connection to your corporate network.

To create a proxy connection:

Your Smartphone comes with customized proxy connection settings for you to select. If you want to manually set up a connection, follow this procedure:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Data Connections**.
2. Select **Menu** and then **Edit Connections**.
3. Select **Proxy Connections**.
4. Select **Menu** and then **Add**.
5. Enter the requested information as follows:
 - In **Description**, enter a name for the connection.
 - In **Connects from**, scroll to the type of network from which you will connect.
 - In **Connects to**, scroll to the type of network to which you will connect.
 - In **Proxy (name:port)** enter the proxy server name and port number in the form: *server name:port number*.
 - In **Type**, scroll to the type of proxy connection to create.
 - In **User name**, enter your user name for the network to which you will connect.
 - In **Password**, enter your password.
6. Select **Done**.

Editing or Deleting a Connection

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Data Connections**.
2. Select **Menu** and then **Edit Connections**.
3. Select **xxx Connections** (where xxx means the type of connection) and scroll to the connection to edit or delete.
4. To edit the connection, select **Menu** and then **Edit**. Change any information and select **Done**.
To delete the connection, select **Menu** and then **Delete**. Select **Yes**.

Adding a URL Exception

Some URLs for Web pages on your company intranet may use periods, for example: intranet.companyname.com. To view these pages in Pocket Internet Explorer, you must create a URL exception. Otherwise, the pages will not display. (You do not need to create URL exceptions for Internet URLs.)

To add a URL exception:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Data Connections**.
2. Select **Menu** and then **Work URL Exceptions**.
3. Select **Menu** and then **Add**.
4. In **URL Pattern**, enter the URL and select **Done**. Separate multiple URLs with a semicolon (;).

To edit or delete a URL exception:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Data Connections**.
2. Select **Menu** and then **Work URL Exceptions**.
3. Select the URL to edit or delete.
4. To edit the URL, change any information and select **Done**.

To delete the connection, select **Menu** and then **Delete**. Select **Yes**.

Date and Time

You can use Date and Time settings to change the local time zone and the current date and time, and to set the alarm.

To set the date and time:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Data and Time**.
2. In **Time Zone**, scroll to your time zone.
3. In **Date**, scroll to the month, date, or year and edit the information.
4. In **Time**, scroll to a number and edit it.
5. Select **Done**.

To set the alarm:

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Data and Time**.
2. In **Alarm**, scroll to **Off** or **On** to turn the alarm off or on.
3. In **Alarm time**, specify the time for the alarm to go off.
4. Select **Done**.

Owner Information

You can use Owner Information settings to record personal information, such as your name, phone number, and e-mail address. This is helpful, for example, in the event that you lose your Smartphone, so that you can be contacted if it is found.

On the Home screen, press the **Start** soft key, and select **Settings → Owner Information** to access the Owner Information setting items.

Power Management

You can use Power Management to configure settings that prolong battery life, such as shortening the amount of time before the backlight and display turn off when the Smartphone is idle. You can also check the battery level.

1. On the Home screen, press the **Start** soft key, and select **Settings → Power Management**.
2. **Main battery** displays the amount of battery life remaining.
3. In **Backlight time out**, scroll to the amount of time for the Smartphone to be idle before the backlight turns off.
4. In **Display time out**, scroll to the number of minutes for the Smartphone to be idle before the display turns off.
5. Select **Done**.

Regional Settings

You can use Regional Settings to change the language, date, and time style, as well as number and currency formatting options.

1. On the Home screen, press the **Start** soft key, and select **Settings → Regional Settings**.
2. In **Language**, scroll to the language to use when entering information.
3. In **Locale**, scroll to your locale. This changes the remaining settings appropriately for your locale.
4. Configure other settings in the same manner.
5. Select **Done**.

◀ NOTE ▶

- After changing the language, you must turn your device off and on for the change to take effect.

Remove Programs

You can use Remove Programs to remove programs installed on the Smartphone, with the exception of core programs that came with the Smartphone, for example, Contacts, Calendar, and Internet Explorer.

◀ NOTE ▶

- Be careful when you remove programs.

1. On the Home screen, press the **Start** soft key, and select **Settings** → **Remove Programs**.
2. Scroll to the program you want to remove and then press the Navigation stick. You can also press the **Menu** soft key to select **Remove**.
3. Press the **Yes** soft key to remove the program.

Security

Security settings are used to enable phone lock and SIM lock. (For details, see section 2.4.)

On the Home screen, press the **Start** soft key, and select **Settings** → **Security** to access the Security setting items.

4.3 Settings (Page 3)

To help you locate the item you want to set up, the following table shows the setting items and sub items on page 3, and then describe all the items in sequence.

Setting Items (Page 3)



| | |
|--------------------|---------------------|
| 1 Advance Settings | Brightness setting |
| | Keypad LED on |
| | Only End key wakeup |

Advance Settings

On the Home screen, press the **Start** soft key, and select **Settings** → **Advance Settings** to access the Advance Settings items.

- To adjust brightness setting, scroll left/right to adjust the sliding bar.
- To enable or disable the keypad light, check or uncheck the **Keypad LED on** box.
- To specify the **End** key as the key for waking up the Smartphone from sleep mode, check the **Only End key wakeup** box. If the box is unchecked, you can press any key to wake up the Smartphone.

5 Messaging Features

You can use your Smartphone to send and receive e-mail, text messages, media messages, and instant messages. This chapter describes how to work with messages on your Smartphone.

◀ NOTE ▶

- Not all service plans include sending text or media messages. If you are not sure what your service plan supports, ask your mobile phone service provider.

5.1 Understanding Messaging Types and Accounts

Your Smartphone supports e-mail messaging, text messaging (SMS), media messaging (MMS), and instant messaging. You can work with e-mail, text messages, and media messages from Messaging. You can use instant messaging features from MSN Messenger. Configuring and using these features is described later in this chapter.

Messaging Types

E-Mail Messaging

You can send and receive e-mail messages in three ways:

- By synchronizing your Outlook E-mail Inbox folder with Microsoft® Outlook® on your desktop computer or your Microsoft® Exchange server.
- By connecting to a POP3 or IMAP4 e-mail server to send and receive Internet e-mail messages.
- Use Pocket Internet Explorer to view Web-based e-mail.

Text Messaging (SMS)

You can send and receive text messages up to 160 characters in size. If a text message is longer, it is automatically sent in chunks as several small text messages, and is then unified as one text message after all of the small text messages have been received.

The advantages of text messages include the following:

- Text messages are sent instantly.
- Text messages can be sent or received at any time, including during a voice or data call.
- Most mobile phones support text messages, so most recipients can read text messages that you send.

◀ NOTE ▶

- You cannot synchronize text messages with your desktop computer, and you cannot use text messages to send or receive attachments or voice notes.

Media Messaging (MMS)

Media messages are composed of one or more pages, and each page can contain up to one picture, text region, and sound. In a multi-page message, each page is displayed for five seconds before automatically advancing to the next page. Thus, when the recipient opens your media message, the experience is similar to watching a simple slideshow.

The advantages of media messages include the following:

- Media messages essentially “play” the picture or sound you attach to the message, so the recipient does not have to download the file(s) first.
- Media messages can be sent or received any time your phone is turned on and not in a voice or data call.

Instant Messaging

You can use MSN® Messenger on the Smartphone to send and receive instant messages. MSN Messenger on the Smartphone provides the same chat environment as MSN Messenger on your desktop computer. For example, you can chat with a single MSN Messenger contact, or with several contacts at once. You can switch between active chats, block contacts, and configure display settings, such as your name and current status (Away, Online, and so on).

Messaging Accounts

Different types of messages are created and stored in different messaging accounts. Your Smartphone already includes three accounts: **Media Messages**, **Text Messages**, and **Outlook E-Mail**.

You can use up to eight different messaging accounts with the Smartphone. For example, you may want to set up an account to send and receive e-mail messages by using Internet e-mail. (See “Setting up E-Mail Accounts” in section 5.2.)

Opening an Account

To view the list of accounts:



On the Home screen, press the **Start** soft key and select **Messaging**.

The list of accounts displays with the number of unread messages in the Inbox of each account shown in parentheses.

You can open an account by selecting it in the list.

To quickly move between accounts:

If you have an account open, you can quickly switch to another account by scrolling right or left. Or, you can select **Menu** and then **Switch Accounts**.

Working with Accounts

To change account options:

1. On the Home screen, press the **Start** soft key and select **Messaging**.
2. Select any account.
3. Select **Menu** and then **Options**.
4. Select the type of options to change. The table below describes the six options.
5. Change the options and select **Done**.



| Messaging Option | Description |
|------------------|--|
| Display | Specifies how the message list is displayed. Check Show date and time in the message list if you want the option. In Sort messages by , select Date received , Subject , or Sender for the sorting type and select Descending or Ascending for the sorting order. |
| Sending | Specifies the options when sending a message. Check Include copy of original message when replying to e-mail if you want the option. Check Save copies of sent items if you want the copies of sent items to be saved in the Sent Items folder of your e-mail and media messaging accounts. Check Use Unicode when necessary if you want the option. |

(To be continued)

(Continued)

| Messaging Option | Description |
|----------------------------|---|
| Edit My Text | Changes the predefined text to the words or phrases that you frequently use in your messages. To edit the text, scroll to the text to edit, enter the new text, and press the Done soft key. |
| Signatures | Specifies a signature to be automatically inserted into e-mail and text messages that you send. <ol style="list-style-type: none">1. In Select an account, select Outlook E-Mail or Text Messages.2. Check Use signature with this account.3. To insert a signature in every message you send, select Include when replying and forwarding. Otherwise, a signature is inserted only in new messages.4. Replace the text in the Signature box with a signature to insert, and select Done. The signature is inserted into messages that you send from this account. <p>NOTE: To stop inserting a signature in messages, repeat the above procedure, but clear Use signature with this account check box.</p> |
| Account Setup | Sets up your own account(s). To add an account, see “Setting up E-Mail Accounts” in section 5.2. To edit or delete an account, see descriptions below. |
| Import SIM Messages | Imports text messages (SMS) from your SIM card to the Inbox folder of your Text Messaging account. (See “Importing Text Messages” in section 5.3 for more information.) |

To delete or edit an account:

1. On the Home screen, press the **Start** soft key and select **Messaging**.
2. Select any account.
3. Press the **Menu** soft key → **Options**.
4. Select **Account Setup**.
5. Scroll to the account to delete or edit.
6. Press the **Menu** soft key → **Delete** or **Edit**.

◀ NOTE ▶

- You can only delete the accounts you added.
- You cannot edit **Text Messages** and **Outlook E-Mail** accounts.
- For detailed information on editing the **Media Messages** account, see section 5.4.

5.2 Using E-Mail Messages

Setting up E-Mail Accounts

Setting up Outlook Synchronization

Your Smartphone includes an **Outlook E-Mail** account. You can synchronize this account with Outlook on your desktop computer or Exchange Server. When you do this, messages in the Outlook E-mail Outbox on the Smartphone are sent, and messages you have received in Outlook are copied to the Outlook E-mail account folders on your Smartphone. Only those folders that are marked for synchronization on your Smartphone are synchronized in this manner.

Setting up the Smartphone for synchronization is described in Chapter 7, “Synchronizing Information.” Specifying which ActiveSync folders to synchronize is described in “Mark a folder for synchronization” in this chapter.

◀ NOTE ▶

- To synchronize remotely, you must also configure a data connection, as described in “Data Connections” in Chapter 4.

Setting up an Internet E-Mail Account

Another way to send and receive e-mail messages is by using Internet e-mail. To do this, you must:

- Have an Internet e-mail account.
- Configure a data connection on the Smartphone for connecting to the Internet. (For more information, see “Data Connections” in section 4.1.)
- Set up an Internet e-mail account in Messaging.

To set up an Internet e-mail account, you need to know which type of e-mail server hosts your mailbox: IMAP4 or POP3. You also need to know the name of your incoming and outgoing e-mail servers. If you are not sure, ask your service provider or network administrator. In addition, you need to know your e-mail user name and password, and if required, your domain name.

To set up Internet E-mail:

1. On the Home screen, press the **Start** soft key and select **Messaging**.
2. Select any account.
3. Press the **Menu** soft key and select **Options**.
4. Select **Account Setup**, press the **Menu** soft key and select **New**.
5. In **Your name**, enter your display name for e-mail messages.
6. In **E-mail address**, enter the e-mail address for this account.

-
7. Select **Attempt to obtain e-mail settings from the Internet** if you want to set up your account automatically. Select **Next**. If your account could not be set up automatically or you want to set it up manually, select **Next** and continue with step 8.
 8. In **User name**, enter your user name. This is usually the first part of your e-mail address, which appears before the “at” sign (@).
 9. In **Password**, enter your password.
 10. In **Domain**, enter the domain name, if required.
 11. To save your password, so that you do not need to enter it each time you connect to your e-mail server, select **Save password**.
 12. Select **Next**.
 13. In **Server type**, scroll to select the type of e-mail server that hosts your mailbox—POP3 or IMAP4—and select **Next**.
 14. In **Account name**, enter a name for this account. You must use a different name for each account that you set up.
 15. In **Network**, scroll to the type of network that your e-mail server runs on and select **Next**.
 16. Enter information about your e-mail servers. If you are not sure what to enter, ask your network administrator.
 17. Select the security options if necessary and select **Next**.
 18. Select message download options and select **Next**.
 19. Select a connection option, select **Next**, and then select **Finish**.

◀ **C A U T I O N** ▶

- If you save your password and then lose your Smartphone, someone finding your Smartphone might be able to gain access to your e-mail.

Creating an E-mail Message

1. You can create an e-mail message from Messaging. You can also create an e-mail message from a contact card if it contains the e-mail address you want.

From Messaging:

- ❶ On the Home screen, select **Start** and then **Messaging**.
- ❷ Select the e-mail account to use.
- ❸ Select **New**.
- ❹ In **To**, enter the recipient e-mail address(es). If you have included the e-mail address in a contact card, press the Navigation stick or select **Menu** → **Insert Contact** to insert an e-mail address without entering it.

From a Contact Card:

- ❶ On the Home screen, select **Start** and then **Contacts**.
- ❷ Select the contact you want from the list to open the contact card.
- ❸ Select the e-mail address you want and press the Navigation stick.
- ❹ Select the e-mail account to use.

◀ NOTE ▶

- To insert punctuation such as the “at” sign (@), a period (.), or a semicolon (;), repeatedly press the 1 key in Multipress mode until the punctuation appears or press and hold the # key to view a list of symbols that you can enter as text.
- Insert a semicolon (;) between multiple recipients.

2. If necessary, in **Cc** and/or **Bcc**, enter the e-mail addresses of persons to receive a copy.
3. In **Subj**, enter a subject.
4. Scroll down to enter your e-mail message. (For information about entering text on the Smartphone, see section 2.3.)

| New Message | | abc | ⌵ |
|--------------------|--|------|---|
| To: Brown, Jenny; | | | |
| Cc: | | | |
| Subj: Manual | | | |
| First draft today. | | | |
| Send | | Menu | |

When composing your message, you can also:

- Insert predefined text by selecting **Menu** → **Insert Text**. Scroll to the text to insert into your message and press the **Insert** soft key. (See “Working with Accounts” in section 5.1 for information on editing predefined text).
- Insert a signature automatically. (See “Working with Accounts” in section 5.1 for information.)
- Insert a voice recording as described later.

◀ NOTE ▶

- To cancel a message, select **Menu** and then **Cancel Compose**.
- To save a draft of a message that you are composing to finish and send later, press the **Menu** soft key and select **Postpone Message**. To finish the draft, open the account and select **Menu** → **Folders**. Select **Drafts** and then the draft to open. Press the **Edit** soft key to continue.

5. Select **Send**. The e-mail message is stored in Outbox and sent to recipients the next time you synchronize or connect to your e-mail server and send and receive mail.

Inserting a Voice Recording in an E-Mail Message

Inserting a voice recording is useful when you want to verbally explain information that is contained in the message.

1. When composing your e-mail message, press the **Menu** soft key and select **Insert Recording**.
2. The **Voice Memo** appears on the screen. Press the **Record** soft key and start speaking into the Smartphone microphone.
3. When finished speaking, press the **Stop** soft key.
4. Press the **Done** soft key to insert the recording into your message.

◀ NOTE ▶

- You can send only one voice recording in an e-mail message. If you create a second voice recording in an e-mail message, it replaces the first recording.

Sending and Receiving E-Mail Messages

You can send and receive e-mail messages as follows:

- By connecting to your desktop computer or Exchange Server and synchronizing the Outlook E-mail Inbox folder on your Smartphone with Outlook, as described in Chapter 7, “Synchronizing Information.”
- By using the **Send/Receive** menu command from an Internet e-mail account, as described next.

To send and receive Internet e-mail messages:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select the Internet e-mail account for which you want to send and receive messages.
3. Select **Menu** and then **Send/Receive**. The Smartphone connects to your Internet e-mail server and sends and receives your messages.

◀ NOTE ▶

- To stop this process, select **Menu** and then **Stop Send/Receive**.
- Before you can send and receive e-mail messages, the Smartphone must be properly configured, as described earlier in “Setting up Internet e-mail.”
- You must take additional steps to receive large messages and attachments, as described later in “Working with large messages and attachments.”

Viewing and Responding to E-Mail Messages

When you receive an e-mail message, the Smartphone plays a sound and displays an envelope icon at the top of the screen. By default, the Home screen also displays the number of unopened e-mail messages. To quickly view new messages, select the message notification area on the Home screen.

Opening an E-Mail Message

Received messages are stored in the Inbox folder of the appropriate account. They are displayed in the Inbox message list.

1. On the Home screen, select **Start** and then **Messaging**.
2. Select an e-mail account. The Inbox message list displays your received messages. By default, messages are displayed in the order received.



3. Select the message to open.
4. To return to the message list, press the **Back** key.

◀ NOTE ▶

- To open the next message in the list from within an open message, scroll right; to open the previous message in the list, scroll left.
- You can change the order in which messages are displayed and show the date and time that messages were sent. (See "Working with Accounts" in section 5.1 for information.)
- To create a contact card for the sender, select **Menu** and then **Save to Contacts**.

Working with E-Mail Messages

Using Messaging menu commands, you can quickly reply to, forward, and delete messages.

To specify the language for reading a message:

1. From an open message, select **Menu** and then **Options**.
2. In **E-mail message language**, scroll to the language.
3. Select **Done**. The message is displayed using the appropriate characters for the selected language.

To reply to a message:

1. From an open message, select **Menu**.
From the message list, select **Menu** → **Reply**.
2. Select **Reply** or **Reply All**.
3. Enter a message in the message area.

-
4. Select **Send**. The message is stored in Outbox and sent to recipients the next time you synchronize or connect to your e-mail server.

To forward a message:

1. From an open message, select **Menu → Forward**.
From the message list, select **Menu → Reply → Forward**.
2. In **To**, enter the recipient e-mail address(es). Insert a semicolon (;) between multiple recipient s.
3. Optionally, you can enter an introductory message by scrolling to the message area, pressing the Navigation stick to insert a blank line, and entering your text.
4. Select **Send**. E-mail messages are stored in Outbox and sent to recipients the next time you synchronize or connect to your e-mail server and send and receive mail.

To delete a message:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select an e-mail account.
3. Scroll to the message to delete.
4. Select **Menu** and then **Delete**. For the Outlook E-mail account, the message is also deleted from Outlook on your desktop computer or Exchange Server the next time you synchronize.

◀ N O T E ▶

- If the folder you select has a subfolder, messages within the subfolder will not be deleted. Repeat these steps for each subfolder.

To mark a message as Read or Unread:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select an e-mail account.
3. Scroll to the message to mark.
4. Select **Menu**.
5. Select **Mark as Read** or **Mark as Unread**. The message display is changed to reflect its new status: normal text for read messages and bold text for unread messages. When you synchronize or send and receive e-mail, the message is displayed as Read or Unread in all locations.

Working with Large Messages and Attachments

When you receive large e-mail messages and attachments, the Smartphone downloads only a portion of them. You can view the partial message or attachment and decide if you want to download the rest of it.

When you synchronize your Outlook E-mail account with your desktop computer or Exchange Server, the Smartphone downloads the first 0.5 KB of each new e-mail message by default. When you connect to an Internet e-mail server, it downloads the amount (in KB) of each new message that you specified when you set up the account. The message size includes its attachments. The original messages and attachments remain on the server or your desktop computer.

In the message list, messages with an attachment display an envelope icon with a paperclip. Within a message, attachments are displayed as a list of hyperlinks at the bottom of the message, and are preceded by an attachment icon. The hyperlink includes the file name and size of the attachment.

◀ NOTE ▶

- For information about changing Outlook e-mail synchronization settings, see Chapter 7. For information about changing Internet e-mail settings, see “Setting up Internet e-mail” earlier in this chapter.
- On messages received from a POP3 e-mail server, the attachment size is omitted.

The attachment icon has the following three states:

- Not downloaded 
- Marked for download 
- Downloaded 

To download a complete e-mail message:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select an e-mail account.
3. Scroll to the message to download.
4. Select **Menu** and then **Mark for Download**. The complete message is retrieved the next time you synchronize or connect to your e-mail server and send and receive e-mail.

To download an attachment:

In an open message with an attachment to download, select the attachment. The attachment is downloaded the next time you synchronize or connect to your e-mail server and send and receive e-mail.

◀ NOTE ▶

- If there are multiple attachments in the message, all attachments are downloaded.

To view an attachment:

In an open message containing a downloaded attachment, select the attachment.

◀ NOTE ▶

- You can view attachments only for file types that are supported by the Smartphone.

To delete an attachment:

1. In an open message containing a downloaded attachment, scroll to the attachment.
2. Select **Menu** and then **Delete**. This deletes attachments on the Smartphone only.

◀ CAUTION ▶

- This deletes all of the attachments to this message, not only the selected attachment.

Accepting Meeting Requests

You can receive and respond to Outlook meeting requests on your Smartphone in a similar manner as you do in Outlook on your desktop computer.

1. On the Home screen, select **Start** and then **Messaging**.
2. Select an e-mail account.
3. Select the meeting request (preceded by the  icon) and then respond to it as follows:
 - To accept the meeting request and insert the meeting into your calendar, press the **Menu** soft key → **Accept**.
 - To decline the meeting request, press the **Menu** soft key → **Decline**.
 - To tentatively accept the meeting request and insert a tentative meeting into your calendar, press the **Menu** soft key → **Tentative**.

Your response is sent back to the meeting organizer the next time that you synchronize.

◀ NOTE ▶

- For more information on synchronizing, see Chapter 7.

5.3 Using Text Messages

You can start creating a new text message (SMS) from Messaging. You can also create a new text message from Contacts.

NOTE

- Not all service plans include sending text messages. If you are not sure what your service plan supports, ask your service provider.

Creating a Text Message

- You can create a text message from Messaging. You can also create a text message from a contact card if it contains the text message number you want.

From Messaging:

- On the Home screen, select **Start** and then **Messaging**.
- Select **Text Message**.
- Select **New**.
- In **To**, enter the recipient text message number(s). If you have included the number in a contact card, press the Navigation stick or select **Menu** → **Insert Contact** to insert a number without entering it.

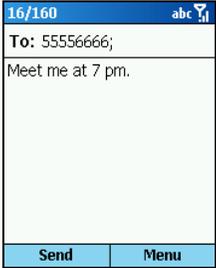
From a Contact Card:

- On the **Home** screen, select **Start** and then **Contacts**.
- Select the contact you want from the list to open the contact card.
- Select the text message number and press the Navigation stick.

NOTE

- Insert a semicolon (;) between multiple recipients.

- Enter your text message. (For information about entering text on the Smartphone, see section 2.3.)



When composing your message, you can also:

- Insert predefined text by selecting **Menu** → **Insert Text**. Scroll to the text to insert into your message and press the **Insert** soft key. (See “Working with Accounts” in section 5.1 for information on editing predefined text).
- Insert a signature automatically. (See “Working with Accounts” in section 5.1 for information.)

◀ NOTE ▶

- Before sending the message, you can request a delivery receipt as described later.
- To cancel a message, select **Menu** and then **Cancel Compose**.
- To save a draft of a message that you are composing to finish and send later, press the **Menu** soft key and select **Postpone Message**. To finish the draft, open the account and select **Menu** → **Folders**. Select **Drafts** and then the draft to open. Press the **Edit** soft key to continue.

3. Select **Send**. The text message is sent immediately.

Requesting a Delivery Receipt

You can request a delivery receipt for a text message. When you do this, you receive a confirmation that your message was delivered to the recipient.

1. Before sending a text message, select **Menu**, and then **Message Options**.
2. Select **Request message delivery notification**.
3. Select **Done**. When your message is delivered, you receive a receipt on the Smartphone.

Sending and Receiving Text Messages

The Smartphone immediately sends text messages when you select **Send** on the New Message screen. The Smartphone automatically receives text messages whenever it is turned on.

Importing Text Messages from Your SIM Card

Your SIM card may have been inserted in another mobile phone. Note that any text messages received when the SIM card is in an ordinary mobile phone are stored in the SIM card, but text messages received when the SIM card is in your Smartphone are stored in the memory of your Smartphone. You can import the text messages existing in the SIM card following this procedure:

1. On the Home screen, press the **Start** soft key and select **Messaging**.
2. Select **Text Messages**.
3. Select **Menu** and then **Options**.
4. Select **Import SIM Messages**.

-
5. Press the **Done** soft key. The text messages are copied from the SIM card to the Inbox of the Text Messages account.

◀ **NOTE** ▶

- You cannot export text messages from your Smartphone to a SIM card.
- Text messages are not removed from the SIM card after they are imported to the Inbox of the Text Messages account.

Viewing and Responding to Text Messages

When you receive a text message, the Smartphone plays a sound and displays an envelope icon at the top of the screen. By default, the Home screen also displays the number of unopened text messages. To quickly view new messages, select the message notification area on the Home screen.

Opening a Text Message

Received text messages are stored in the Inbox folder of the Text Message account. They are displayed in the Inbox message list.

1. On the Home screen, select **Start** and then **Messaging**.
2. Select **Text Messages**. The Inbox message list displays your received messages. By default, messages are displayed in the order received.
3. Select the message to open.



4. To return to the message list, press the **Back** key.

◀ NOTE ▶

- To open the next message in the list from within an open message, scroll right; to open the previous message in the list, scroll left.
- You can change the order in which messages are displayed and show the date and time that messages were sent. (See “Working with Accounts” in section 5.1 for information.)
- To create a contact card for the sender, select **Menu** and then **Save to Contacts**.

Working with Text Messages

Using Messaging menu commands, you can quickly reply to, forward, and delete messages.

To reply to a message:

1. From an open message, select **Menu**.
From the message list, select **Menu** → **Reply**.
2. Select **Reply** or **Reply All**.
3. Enter a message in the message area.
4. Select **Send**. The message is sent immediately.

To forward a message:

1. From an open message, select **Menu** → **Forward**.
From the message list, select **Menu** → **Reply** → **Forward**.
2. In **To**, enter the recipient phone number(s) to send a text message. Insert a semicolon (;) between multiple recipients.
3. Optionally, you can enter an introductory message by scrolling to the message area, pressing the Navigation stick to insert a blank line, and entering your text.
4. Select **Send**. The message is sent immediately.

To delete a message:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select **Text Message**.
3. Scroll to the message to delete.
4. Select **Menu** and then **Delete**.

◀ NOTE ▶

- You can delete all text messages stored in the SIM card at one time by using SIM Cleaner. (See section 10.4 for information.)

To mark a message as Read or Unread:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select **Text Message**.
3. Scroll to the message to mark.
4. Select **Menu**.
5. Select **Mark as Read** or **Mark as Unread**. The message display is changed to reflect its new status: normal text for read messages and bold text for unread messages.

5.4 Using Media Messages

Setting up Media Messages Account

Your Smartphone has a **Media Messaging** account. To use this account, you must:

- Subscribe to the GPRS and MMS services with your service provider.
- Configure a GPRS connection on the Smartphone for connecting to the MMS network. (For more information, see “Data Connections” in section 4.1.)
- Set up the MMS server connection in Messaging if it has not already been set up by your service provider.

To add a new MMS server connection:

When you subscribe to the MMS service with your service provider, your service provider will normally set up the connection for you. If you need to manually set up the connection, follow this procedure:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select any account.
3. Select **Menu** → **Options**.
4. Select **Account Setup** → **Media Messages**.
5. Select **Menu** → **Edit Connections**.
6. Select **Menu** → **Add**.
7. Enter the server information provided by your service provider.
8. Select **Done**.
9. In **Server** of the Account Settings screen, select the connection you just added.
10. Select **Done**. When you send or receive media messages, your Smartphone is connected to this server.

To edit or delete a MMS connection:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select any account.
3. Select **Menu** → **Options**.
4. Select **Account Setup** → **Media Messages**.
5. Select **Menu** → **Edit Connections**.
6. Select the connection server you want to edit or delete.
7. To edit the connection, select **Menu** → **Edit**. Make necessary modifications and select **Done**.

To delete the connection, select **Menu** → **Delete**.

To configure MMS operation:

By default, the Smartphone automatically send media messages with the size less than 100KB when you select **Send**. The Smartphone automatically receives media messages of all types (Personal, Informational, and Advertisement).

You can change the way media messages are sent and received:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select any account.
3. Select **Menu** → **Options**.
4. Select **Account Setup** → **Media Messages**.
5. In **Send/receive**, select **Automatically** or **Manually**. (See “Sending and Receiving Media Messages” later.)
6. In **Outgoing message size**, select **Less than 30KB**, **Less than 100KB**, or **All**.
7. In **Allowed messages**, check the type of message you want to receive.
8. Select **Done**.

Creating a Media Message

A media message (MMS) is composed of one or more pages, and each page can contain up to one picture, text region, and sound.

To add your own picture and sound files:

You can insert sound files of the following formats in your media messages: Midi (.mid) and iMelody (.imy). Copy your sound files to the Storage\Application data\Sounds folder or Storage\My Documents folder of your Smartphone. They will appear in your selection list when you are inserting sound.

You can insert picture files of the following formats in your media message: JPG, GIF, aGIF, and wBMP. Copy your picture files to the Storage\My Documents folder of your Smartphone. They will appear in your selection list when you are inserting a picture.

If your picture or sound file is in a storage card, you can insert it by first specifying the storage card as your source of files.

◀ NOTE ▶

- When composing your message, you can also immediately take a photo and insert it as your picture.

To create a media message:

1. On the Home screen, select **Start** and then **Messaging**.

◀ NOTE ▶

- You can also create a media message from other programs:
 - From a contact card if it contains the e-mail address you want. (If you are sending to a phone number, you cannot create the message from a contact card.)
 - From Phone Viewer. (See section 9.2 for information.)

2. Select **Media Messages**.
3. Select **New**.
4. In **To**, enter the recipient media message address(es). It can be either a phone number or an e-mail address. If you have included the address or number in a contact card, press the Navigation stick or select **Menu → Add Recipient** to insert an address or number without entering it.

◀ NOTE ▶

- Insert a semicolon (;) between multiple recipients.

5. If necessary, in **Cc** and/or **Bcc**, enter the media message addresses of persons to receive a copy.
6. In **Subj**, enter a subject.



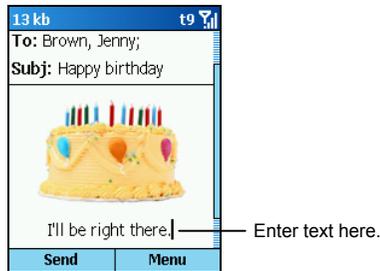
7. To insert a picture, scroll to the picture area of the message and press the Navigation stick. Or, in the body of the message, select **Menu → Insert → Picture**. If your picture is in a storage card, select **Menu → Browse → Storage Card** after inserting the card.

The picture thumbnails appear on the screen. Select the picture you want to insert.



If you want to immediately take a photo to be inserted as your picture, select the camera icon (the first thumbnail). Frame your target in the viewing window and press the **Shutter** soft key to take the photo. Press the **Save** soft key and the picture is automatically inserted. (For detailed information on taking a photo, see section 9.1.)

- To insert text, scroll to the text area (below the picture area) and enter your text. Or, in the body of the message, select **Menu** → **Insert** → **Text** and enter your text.



You can insert predefined text by selecting **Menu** → **Insert Text**. Scroll to the text to insert into your message and press the **Insert** soft key. (See “Working with Accounts” in section 5.1 for information on editing predefined text).

- To insert sound, select **Menu** → **Insert** → **Sound**. If your sound is in a storage card, select **Menu** → **Browse** → **Storage Card** after inserting the card.

Select the sound you want to insert. The sound appears as an attachment in the message.



-
10. To add a page to the media message, select **Menu → Pages → Add Page**. Repeat the same steps for inserting picture, sound, and text.
 11. To change the background color of all the pages in your message, select **Menu → Background Color** and select the color you want.
 12. To preview a message, select **Menu → Preview**.

◀ N O T E ▶

- The top left corner of your media message screen indicates the current size of your message.
- To remove a picture or sound from the message, select the object, select **Menu**, and then **Remove Object**.
- To cancel a message, select **Menu** and then **Cancel Compose**.
- To save a draft of a message that you are composing to finish and send later, press the **Menu** soft key and select **Postpone Message**. To finish the draft, open the account and select **Menu → Folders**. Select **Drafts** and then the draft to open. Press the **Edit** soft key to continue.
- Before sending the message, you can specify message options as described later.

13. Select **Send**. The message is sent immediately in automatic mode (default).

Specifying Message Options

You can specify message options such as priority, message type, validity period, delivery report, and read receipt.

1. When composing a media message, select **Menu → Message Options**.
2. In **Priority**, select **Low**, **Normal**, or **High**.
3. In **Message type**, select **Personal**, **Advertisement**, or **Informational**.
4. In **Validity period**, select the time limit for reserving the message in the Outbox folder when in manual mode. The available options are **Maximum**, **12 Hours**, **1 Day**, **1Week**, and **1Month**.
5. Check **Delivery report** if you want to receive a confirmation when your message has been delivered to the recipient.
6. Check **Read receipt** if you want to receive a confirmation when your message has been read by the recipient.
7. Select **Done**.

Sending and Receiving Media Messages

There are two modes of sending and receiving media messages: automatically and manually.

- **Automatic mode**

In automatic mode, media messages are sent immediately when you select **Send** on the New Message screen.

Messages are received automatically. An exception to this is when an application that uses a wireless data connection is in use. For example, if Pocket Internet Explorer is downloading a Web page, it will prevent a media message from being downloaded automatically.

- **Manual mode**

In manual mode, when you select **Send** on the New Message screen, media messages are moved to Outbox and will be sent the next time you select **Send/Receive**.

When there is an incoming media message, you will receive a notification with instructions on how to download the media message.

◀ NOTE ▶

- Media messages cannot be sent or received during a phone call if you are in manual mode.

To change settings for sending and receiving media messages:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select **Media Messages**.
3. Select **Menu** and then **Options**.
4. Select **Account Setup**, and then **Media Messages**.
5. Under **Send/receive**, select **Automatically** or **Manually**.
6. Select **Done**.

To manually send and receive media messages:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select **Media Messaging**.
3. Select **Menu** and then **Send/Receive**. The Smartphone sends and receives your media messages.

Viewing and Responding to Media Messages

◀ NOTE ▶

- Depending on the service that you subscribe to, you may not be able to send and receive media messages to users using a different mobile phone network.
- Check with your service provider for the size limit of sending/receiving media messages.

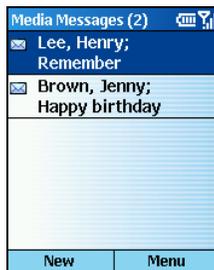
When you receive a media message, the Smartphone plays a sound and displays an envelope icon at the top of the screen. By default, the Home screen also displays the number of unopened media messages. To quickly view new messages, select the message notification area on the Home screen.

Opening a Media Message

Received messages are stored in the Inbox folder of the Media Message account. They are displayed in the Inbox message list.

1. On the Home screen, select **Start** and then **Messaging**.
2. Select **Media Message**. The Inbox message list displays your received messages. By default, messages are displayed in the order received.
3. Select the message to open.

Each page of the media is displayed for five seconds before automatically advancing to the next page. Your Smartphone can display JPG/GIF/aGIF/wBMP pictures and play midi/iMelody/wave sounds.



4. To return to the message list, press the **Back** key.

◀ NOTE ▶

- You can change the order in which messages are displayed and show the date and time that messages were sent. (See “Working with Accounts” in section 5.1 for information.)
- To open the next message in the list from within an open message, scroll right; to open the previous message in the list, scroll left.
- To create a contact card for the sender, select **Menu** and then **Save to Contacts**.

Working with Media Messages

Using Messaging menu commands, you can quickly reply to, forward, and delete messages.

To save media from a media message:

To save a single picture or sound, from an open message, select the item and then select **Save**.

To save all media in the message, select **Menu** and then **Save All**.

◀ NOTE ▶

- Media are saved in \Storage\My Documents on the Smartphone. If you want to save media to a storage card, first insert the card and then select **Menu** → **Browse** → **Storage Card**.

To reply to a media message:

1. From an open message, select **Menu**.

From the message list, select **Menu** → **Reply**.

2. Select **Reply** or **Reply All**.
3. Enter a message in the message area.
4. Select **Send**.

To forward a media message:

1. From an open message, select **Menu** → **Forward**.

From the message list, select **Menu** → **Reply** → **Forward**.

2. In **To**, enter the recipient media message address(es). Insert a semicolon (;) between multiple addresses or numbers.
3. Select **Send**.

To delete a message:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select **Media Messages**.
3. Scroll to the message to delete.
4. Select **Menu** and then **Delete**.

To delete all media messages:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select **Media Messages**.
3. Select **Menu** and then **Folders**.
4. Select **Menu** and then **Show All Folders**.
5. Scroll to the folder with the media messages you want to delete.
6. Select **Menu** and then **Clear Media Messages**.

To mark a media message as Read or Unread:

1. On the Home screen, select **Start** and then **Messaging**.
2. Select **Media Messaging**.
3. Scroll to the message to mark.
4. Select **Menu**.
5. Select **Mark as Read** or **Mark as Unread**. The message display is changed to reflect its new status: normal text for read messages and bold text for unread messages.

5.5 Working with Message Folders

Each messaging account has a set of folders in which the Smartphone stores messages for that account. The default folders are:

- **Deleted Items** contains messages that you delete until you empty this folder.
- **Drafts** contains messages that you save before sending.
- **Inbox** contains messages that you receive.
- **Outbox** For the Outlook E-mail account, contains sent e-mail messages until you synchronize. For other e-mail accounts, contains sent e-mail messages until you connect to your e-mail server. Text messages are sent immediately over the network and appear in your Text Messages Outbox folder only for a few seconds. Media messages are sent immediately while in automatic mode. For more information about sending media messages, see “Sending and receiving messages” earlier in this chapter.
- **Sent Items** contains copies of messages that you send.

If you want, you can move a message to a different folder within the same account.

When you synchronize or send and receive e-mail, the Smartphone synchronizes any additional e-mail folders that you have created in Outlook on your desktop computer or on your e-mail server. It also synchronizes the messages contained in those folders, if the folders are marked for synchronization.

To view the message folder contents:

1. On the Home screen, press the **Start** soft key and select **Messaging**.
2. Select an account.
3. Press the **Menu** soft key and select **Folders**.
4. Select the folder to view. To view all Outlook E-mail folders, even those not marked to synchronize, select **Menu** and then **Show All Folders**.
5. To return to the message list view of the Inbox folder, select **Menu, Folders**, and then **Inbox**.

To mark a folder for synchronization:

1. Synchronize Inbox with your desktop computer. This creates the same ActiveSync Inbox folders on your Smartphone as in Outlook on your desktop computer.
2. On the Home screen, press the **Start** soft key and select **Messaging**.
3. Select **Outlook E-Mail** → **Menu** → **Folders**.
4. Press the **Menu** soft key and select **Sync Folders**.
5. Scroll to a folder to synchronize.

-
6. Press the **Show** soft key and then the **Done** soft key. The next time you synchronize, the folder(s) that you marked on your Smartphone are synchronized with the corresponding folders in Outlook on your desktop computer.

To move a message to a different folder:

1. On the Home screen, press the **Start** soft key and select **Messaging**.
2. Select an account.
3. Scroll to the message to move.
4. Press the **Menu** soft key and select **Move**.
5. Select the folder into which to move the message.

◀ NOTE ▶

- You can move an open message in the same manner, by selecting **Menu** and then **Move**.

To empty the Deleted Items folder:

1. On the Home screen, press the **Start** soft key and select **Messaging**.
2. Select an account.
3. Select **Menu** → **Folders** → **Deleted Items**.
4. Press the **Menu** soft key and select **Empty Folder**.

5.6 MSN Messenger

You can use MSN® Messenger on your Smartphone to send and receive instant messages. MSN Messenger on your Smartphone provides the same chat environment as MSN Messenger on your desktop computer. Features of this environment include:

- Sending and receiving instant messages
- Seeing the status of others in your MSN Messenger contacts list, or changing your own status (for example, available, busy, or out to lunch)
- Inviting other people to a chat
- Blocking contacts from seeing your status or sending you messages

Using MSN Messenger

Before you can use MSN Messenger, you must take steps to set it up. First, you need either a Microsoft .NET Passport account or a Hotmail account. To set up a Microsoft .NET Passport account, go to: <http://www.passport.com>. Once you have this account, you need to create a connection on your Smartphone, such as a modem or wireless connection that allows you to connect to the Internet. (For more information on creating connections, see “Data Connections” in section 4.1.)

Signing in and Signing out

You can sign in to MSN Messenger using your Hotmail credentials or your .NET Passport. Once you sign in, you can create contacts and exchange instant messages with them. This is called “chatting.” Contacts must have a Hotmail or .NET Passport account and must have MSN Messenger installed.

1. On the Home screen, press the **Start** soft key, and select **MSN Messenger**.
2. Press the **Sign In** soft key.
3. Enter your sign-in name (Example: name_123@hotmail.com) and password, and then press the **Sign In** soft key.
4. To sign out, press the **Menu** soft key and select **Sign out**.

◀ N O T E ▶

- Signing out closes your data connection. Be sure to sign out when finished using MSN Messenger or your connection will remain open. This might result in additional charges from your service provider.

Sending an Instant Message

1. Sign in to MSN Messenger.
2. Scroll to the contact with whom you want to chat.
3. Press the **Menu** soft key and select **Send Message**.
4. Enter your message. (For information on entering text, see section 2.3.) To quickly add common messages, press the **Menu** soft key, select **My Text**, and then select the text to use.
5. Press the **Send** soft key. This starts a chat with the contact.

Available Options When Using MSN Messenger

| To... | Do this... |
|--|--|
| Add an MSN Messenger contact | In the Messenger contact list, press the Menu soft key, select Add Contact , and then follow the directions on the screen. |
| Delete an MSN Messenger contact | In the Messenger contact list, select the contact's name, press the Menu soft key, and select Delete Contact . |
| Invite a contact to an ongoing chat | Press the Menu soft key, select Invite , and then select a contact. |
| Change between chats | Press the Menu soft key, select Chats , and then select the contact to begin chatting. |
| Return to the contact list | Press the Menu soft key and select My Contacts . |
| End a chat | Press the Menu soft key and select End Chat . |
| See who is already chatting | Press the Menu soft key and select Chats . |
| Block or unblock an MSN Messenger contact | In the Messenger contact list, select the contact's name, press the Menu soft key, and select Block or Unblock . |
| Change your status | In the Messenger contact list, select your name. Select a status description, such as Away . |
| Change your display name | In the Messenger contact list, press the Menu soft key, select Options → Passport Account . In My display name , enter your name as you want it to display in the contact lists of your contacts. NOTE: You must sign in to MSN Messenger to change your display name. |

6 Contacts, Calendar, and Tasks

This chapter introduces features on your Smartphone that help you manage and keep track of contacts, appointments, and schedule, and maintain a “things to do” list. This chapter also explains how to send and receive contact and appointment information between your Smartphone and another mobile device or a desktop computer (beaming data) by using infrared.

6.1 Contacts

You can think of Contacts as an address book, where you store information about people and businesses with whom you communicate. You can specify a special ring tone for the Smartphone to use when the contact calls. You can use Contacts to dial phone numbers and compose e-mail and SMS messages directly from a contact card.

NOTE

- On your Smartphone, there can be two kinds of independent contact lists. One is stored in the Smartphone's memory by Microsoft Contacts; the other is stored in the SIM card.
- Your Smartphone needs time to read the data stored in the SIM card. Therefore, it may take 1 ~ 2 minutes for data refreshing to finish after the Home screen displays when the Smartphone turns on or the SIM card unlocks.

Viewing Contacts

Contact List



On the Home screen, press the **Start** soft key and select **Contacts** to access the contact list. If the right soft key is **Contacts**, you can press the soft key to access the contact list.

The contact list displays the names of your contacts alphabetically. Beside each name in the contact list is an abbreviation for the default communication method, such as the person's work phone number (w) or home phone number (h). If the contact information includes a work phone number, your Smartphone automatically set it as the default number.

If there are phone numbers stored in your SIM card, the entries will be displayed at the end of the list, with a SIM card icon  following the name.

The following table shows the possible abbreviations in the contact list and their meanings.

| Abbreviation | Meaning | Abbreviation | Meaning |
|--------------|-------------------|--------------|-----------------------|
| w | Work phone | rdo | Radio phone |
| w2 | Second work phone | e | E-mail address |
| h | Home phone | e2 | Second e-mail address |
| h2 | Second home phone | e3 | Third e-mail address |
| m | Mobile phone | txt | Text message number |
| pgr | Pager | web | Web page |
| car | Car phone | | |

Contact Cards

When you scroll to a contact and press the Navigation stick, a contact card appears and displays all of the information that you have entered for the contact, such as the name of the person or business, phone numbers, e-mail addresses, and more.



From a contact card, press the **Menu** soft key to access the following commands:

| Contact Card Menu | Description |
|--------------------------|--|
| Add Speed Dial | Enables you to create a shortcut to a selected phone number or e-mail address. (See section 3.6 for more information.) |
| Send Text Message | Sends a text message to a selected phone number or e-mail address. (See section 5.4 for more information.) |
| Save to SIM | Saves a selected phone number to the SIM card. |
| Set as Default | Makes the selected phone number or e-mail address the default communication method for the contact. |
| Beam Contact | Sends the contact card to another mobile device or a desktop computer using infrared. |
| Delete | Removes the contact card from the contact list. |
| Edit | Enables you to modify information in the contact card. |

Creating a New Contact

1. On the Home screen, press the **Start** soft key and select **Contacts**. If the right soft key on the Home screen is **Contacts**, you can also press the soft key.
2. Do one of the following:
 - To save the contact to your Smartphone as a regular contact, press the **New** soft key. You can also press the **Menu** soft key and select **New Contact**
 - To save the contact to your SIM card as a SIM contact, press the **Menu** soft key and select **New SIM Contact**.
3. Enter the information for the new contact.
4. When completed, press the **Done** soft key.

◀ NOTE ▶

- Unlike regular contact cards, you can store only one phone number for each SIM contact.
- When you create a new contact on your Smartphone, you can synchronize Contacts with your desktop computer or a server to keep your contact information up-to-date in all locations.

Deleting a Contact

1. On the Home screen, press the **Start** soft key and select **Contacts**. If the right soft key on the Home screen is **Contacts**, you can also press the soft key.
2. Scroll to the contact to delete.
3. Press the **Menu** soft key and select **Delete**.
4. Press the **Yes** soft key.

Finding a Contact

1. On the Home screen, press the **Start** soft key and select **Contacts**. If the right soft key on the Home screen is **Contacts**, you can also press the soft key.
2. Entering the name to search is a convenient method to find a contact. When you press the number key to enter the letters, the matched contact will appear on the screen. If you have set up the contact category, you can filter the contacts by pressing the **Menu** soft key, and selecting **Filter**, then **Business**, **Miscellaneous** or **Personal**.

◀ NOTE ▶

- While in the contact list, you can scroll up/down to a contact, but you cannot scroll left/right to go to the previous/next page.

Editing a Contact

When you open a contact card, press the **Edit** soft key to edit the contact's information. When the editing is completed, press the **Done** soft key.

Selecting a Ring Tone for a Contact

You can select different ring tones for different contacts to easily identify the callers.

1. On the Home screen, press the **Start** soft key and select **Contacts**. If the right soft key on the Home screen is **Contacts**, you can also press the soft key.
2. Select the contact for which to select a ring tone.
3. Press the **Edit** soft key.
4. Scroll to **Custom ring tone**, and push the Navigation stick left/right to select a ring tone. You can also select from a full list by pressing the Navigation stick.
5. Press the **Done** soft key.

Copying Phone Numbers from SIM Card to Contacts

1. On the Home screen, press the **Start** soft key and select **Contacts**. If the right soft key on the Home screen is **Contacts**, you can also press the soft key.
2. Scroll to the SIM card contact and press the Navigation stick to open the contact card.
3. Press the **Menu** soft key and select **Save to Contacts**. The contact list appears on the screen with **New Item** highlighted. Press the **Select** soft key.
4. Scroll to the field to place your number (e.g. business phone, mobile phone, or home phone). Press the **Insert** soft key to paste the number in the field.
5. Enter the information into the other fields as necessary.
6. Press the **Done** soft key, then the **Back** key to return to the contact list.

Copying Phone Numbers from Contacts to SIM Card

1. On the Home screen, press the **Start** soft key and select **Contacts**. If the right soft key on the Home screen is **Contacts**, you can also press the soft key.
2. Scroll to the contact you want and press the Navigation stick to open the contact card.
3. Scroll to the phone number you want to copy.
4. Press the **Menu** soft key and select **Save to SIM**. The **SIM Contact** screen appears.
5. If necessary, modify the name of the contact.
6. Press the **Done** soft key, then the **Back** key to return to the contact list.

Calling a Contact

Using the Default Number

1. On the Home screen, press the **Start** soft key and select **Contacts**. If the right soft key on the Home screen is **Contacts**, you can also press the soft key.
2. Select the contact to call.
3. Press the **Talk** key .

◀ NOTE ▶

- If you have a long list of contacts and you don't see the contact you want to call on the first screen, enter the first few letters of the contact's name. The Smartphone will search through the entire contact list and display the name.

Using a Number Other Than the Default Number

1. On the Home screen, press the **Start** soft key and select **Contacts**. If the right soft key on the Home screen is **Contacts**, you can also press the soft key.
2. Select the contact to call, and change the abbreviation for the number by pushing the Navigation stick left/right.
3. Press the **Talk** key .

◀ NOTE ▶

- Selecting another abbreviation changes the default number of this contact.

Calling a Contact from a Contact Card

When you open a contact card, select the phone number you want and press the **Talk** key  to dial the number.

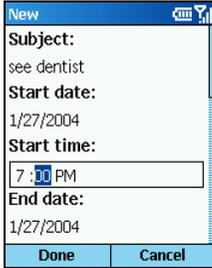
Sending a Message from a Contact Card

When you open a contact card, select the e-mail address or text phone number you want and press the Navigation stick to open Messaging for entering your message.

6.2 Calendar

Calendar is the scheduling program on your Smartphone, where you can create and view appointments and view your calendar by day, week, or month. When you create and edit appointments in Calendar, your changes are reflected in Outlook on your desktop computer when you synchronize.

Creating a New Appointment



The screenshot shows a 'New' appointment form. The 'Subject' field contains 'see dentist'. The 'Start date' is '1/27/2004'. The 'Start time' is '7:00 PM'. The 'End date' is '1/27/2004'. At the bottom, there are 'Done' and 'Cancel' buttons.

1. On the Home screen, press the **Start** soft key and select **Calendar**.
2. Press the **Menu** soft key and select **New**.
3. Enter information in the fields displayed. (For information on entering text, see section 2.3.)
4. To set a reminder for the appointment, under **Reminder**, select the amount of time before the appointment that you want the reminder to appear.
5. When completed, press the **Done** soft key.

◀ NOTE ▶

- When you create a new appointment on your Smartphone, you can synchronize Calendar with your desktop computer or a server to keep your schedule information up-to-date in all locations.

Viewing an Appointment

1. On the Home screen, press the **Start** soft key and select **Calendar**.
2. Scroll to the appointment to open and press the Navigation stick. The screen displays the appointment details.

Editing an Appointment

1. On the Home screen, press the **Start** soft key and select **Calendar**.
2. Select the appointment to edit.
3. Press the **Edit** soft key.
4. Make the changes, and press the **Done** soft key.

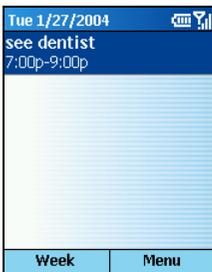
Deleting an Appointment

1. On the Home screen, press the **Start** soft key and select **Calendar**.
2. Scroll to the appointment to delete, press the **Menu** soft key, and select **Delete**.

Viewing Your Schedule

You can view your schedule using three different views: Agenda, Week, and Month.

Agenda View



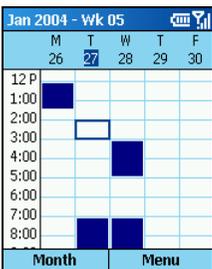
The Agenda View in Calendar is the default view for calendar information. To change to Agenda View from another view, press the **Menu** soft key and select **Agenda View**.

This view displays meetings and appointments scheduled for the current day. The appointments are shown in chronological order according to start time. All-day appointments are shown as a single line at the top of the Agenda view. Up to three all-day events will be displayed.

To look at your agenda for previous or approaching dates, push the Navigation stick left/right.

To view your agenda for a specific date, press the **Menu** soft key and select **Go to Date**. Enter the date you want to view, and press the **Done** soft key.

Week View



To view appointments for the week, press the **Menu** soft key and select **Week View**.

The Week view shows your schedule for the specified week. This view allows you to get a quick indication of your free and busy time, and allows you to create an appointment at a selected time easily.

The Week view displays the hours from 9:00 A.M. to 5:00 P.M. in one-hour increments by default on the left side of the screen. You can scroll up or down to show the hours before or after those displayed.

◀ NOTE ▶

- If you scroll up/down and leave Week view, the hours last shown will be displayed the next time you return to Week view.
- To change settings for Week View, press the **Menu** soft key and select **Options**.

Month View

| Jan 2004 | | | | | | |
|----------|----|----|------|----|----|----|
| S | M | T | W | T | F | S |
| 28 | 29 | 30 | 31 | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Agenda | | | Menu | | | |

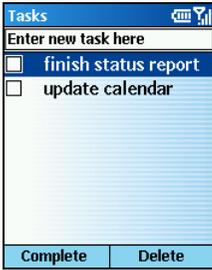
To view your schedule for the month, press the **Menu** soft key and select **Month View**.

The Month view provides an overview of your monthly schedule with arrow indicators for morning and afternoon appointments. The arrows pointing upward represent morning appointments, and the arrows pointing downward represent afternoon appointments. An all-day event is indicated by a box inside the calendar day.

Importing Calendar Information

You can import calendar information from another calendar program if it uses the iCal or vCal format. The calendar information can be imported from attachments in e-mail messages, links in Microsoft® Pocket Internet Explorer, or by infrared.

6.3 Tasks



A task is a personal or work-related project, assignment, or errand to track through completion. A task can occur once or repeatedly. A recurring task can repeat at regular intervals or repeat based on the date you mark the task complete. For example, you might want to pay a bill on the last Friday of every month, or get a haircut when one month has passed since your last haircut.

Creating a New Task

1. On the Home screen, press the **Start** soft key and select **Tasks**.
2. Scroll to the **Enter new task here** field and enter the task. (The input mode is automatically switched to T9. For information on entering text, see section 2.3.)
3. When completed, press the Navigation stick.

◀ NOTE ▶

- When you create a new task on your Smartphone, you can synchronize tasks with your desktop computer to keep your Tasks list up-to-date in both locations.
- If you create a new task with a reminder on your desktop computer, you can synchronize tasks with your Smartphone to hear the reminder on your Smartphone.

Viewing the Task List

On the Home screen, press the **Start** soft key and select **Tasks** to view the task list.

The following table lists the available functions from the task list:

| To... | Do this... |
|--|--|
| Mark a task as complete | Scroll to the task and press the Complete soft key. A check mark appears to indicate that the task is completed. |
| Change a completed task to incomplete | Scroll to the task and press the Activate soft key. The check mark disappears to indicate that the task is not completed. |
| Delete a task from the task list | Scroll to the task and press the Delete soft key. |

◀ NOTE ▶

- If you synchronize tasks with your desktop computer, completed tasks are removed from your Smartphone during synchronization. They are then displayed in gray with a strikethrough on your desktop computer.

6.4 Voice Notes

Voice Notes are used to create short voice recordings.

◀ NOTE ▶

- Your Smartphone does not support recording during a call.

Creating a Voice Note

1. Do one of the following to open Voice Note:
 - Press and hold the Volume Up key.
 - On the Home screen, press the **Start** soft key and select **Voice Notes**.
2. Hold the Smartphone microphone near your mouth.
3. Press the **Record** soft key to begin recording your voice note.
4. Press the **Stop** soft key to stop recording your voice note.
5. The voice note is recorded and appears in the All Notes list of Voice Notes. The voice notes are named consecutively (Recording 1, Recording 2, and so on).

◀ NOTE ▶

- To rename a recording, press the **Menu** soft key and select **Rename**.

Listening to a Recording

1. Do one of the following to open Voice Note:
 - Press and hold the Volume Up key.
 - On the Home screen, press the **Start** soft key and select **Voice Notes**.
2. Scroll to the recording you want to listen to.
3. Press the Navigation stick. Or, press the **Menu** soft key and select **Play**.

6.5 Beaming Information

You can use the infrared port on your Smartphone to send and receive (beam) calendar appointments and contact cards between your Smartphone and another mobile device or a desktop computer that has an infrared port and supports VCards and VCal.

Beaming a Contact or an Appointment

1. Open the Contacts or Calendar program.
2. If you want to beam a contact's information, scroll to the contact in the contact list. If you want to beam an appointment, scroll to the appointment and press the Navigation stick.
3. Press the **Menu** soft key, and select **Beam Contact** or **Beam Appointment**.
4. Align the infrared ports so that they are unobstructed and within close range (5 ~ 30 cm) of each other.
5. Press the **Beam** soft key to start transmitting. Status information will then be displayed, indicating the name of the device your Smartphone is beaming to, and whether the beaming process is pending, done, or has failed.

Receiving Beamed Information

1. On the Home screen, press the **Start** soft key and select **Settings** → **Beam**.
2. Select **Receive incoming beams** and press the **Done** soft key.
3. Align the infrared ports so that they are unobstructed and within close range of each other.
4. Your Smartphone will search the device sending information. Press the **Yes** soft key to start receiving information.

◀ N O T E ▶

- Once you select **Receive incoming beams**, your device automatically receives beams until you clear this check box.
- Your Smartphone can receive beamed files of any type, but you may need to copy some files to your desktop computer for viewing.

7 ActiveSync

This chapter introduces the basic features of Microsoft® ActiveSync® technology. It describes how to use ActiveSync for synchronizing information on your Smartphone with your desktop computer and/or a server running Microsoft® Exchange® Server.

For detailed information about using ActiveSync, see ActiveSync Help on your desktop computer.

7.1 Understanding ActiveSync

ActiveSync synchronizes information stored on your Smartphone with Microsoft® Outlook® information on your desktop computer or Microsoft Exchange Server. It also allows you to share files between your Smartphone and your desktop computer.

When you synchronize, ActiveSync compares the information on your Smartphone with the information on your desktop computer and/or Exchange Server and updates all locations with the most recent information.

With ActiveSync, you can:

- Synchronize Outlook e-mail, Contacts, Calendar, and Tasks information on your Smartphone with your desktop computer.
- Synchronize Outlook e-mail, Contacts, and Calendar on your Smartphone with the Outlook information on a server running Microsoft Exchange Server so that you have the latest information, even when your desktop computer is turned off. You can synchronize with an Exchange server if your company or service provider is running Microsoft Exchange Server with Exchange ActiveSync. You can synchronize Tasks information with your desktop computer, but not with a server.
- Copy (rather than synchronize) files between your Smartphone and your desktop computer.
- Synchronize on a schedule to control when synchronization occurs.
- Select which types of information are synchronized and specify how much information is synchronized. For example, you can choose how many weeks of past appointments to synchronize.

7.2 Setting up ActiveSync

Creating a Partnership

◀ NOTE ▶

- For information on installing ActiveSync, see section 1.5.

As soon as ActiveSync installation completes, the New Partnership Wizard automatically starts. This wizard helps you set up a partnership between your Smartphone and your desktop computer or with an Exchange server.

When you create a partnership, you specify your synchronization settings; for example, the type of information to synchronize, whether or not to synchronize with both your desktop computer and an Exchange server. Once a partnership is set up, ActiveSync on your desktop computer recognizes your Smartphone when you connect it, and automatically applies the synchronization settings you specified.

When you finish using the wizard, the first synchronization begins automatically. When synchronization completes, you will notice that the information from your desktop computer or Microsoft Exchange Server that you selected now appears on your Smartphone.

Configuring an Exchange Server Connection

You can use the New Partnership Wizard when you are first setting up a partnership with a desktop computer to synchronize with an Exchange server. If you did not set up the Smartphone to synchronize with an Exchange server when you set up your partnership, this section describes how to configure wireless synchronization with an Exchange server on your Smartphone.

If at some later time you want to synchronize with a server when the Smartphone is connected to the desktop computer, you must then configure ActiveSync on the desktop computer as described in “Synchronize with a server” in ActiveSync Help on the desktop computer.

You can edit the connection later to stop synchronizing a particular type of information or to change how much information is synchronized. All of these settings can also be configured using ActiveSync on the desktop computer when the Smartphone is connected to the desktop computer by a USB or infrared connection.

To configure an Exchange server connection:

1. Obtain the following Exchange Server information from your service provider or system administrator:
 - The name of the server and the server domain name.
 - Your Exchange user name and password to synchronize with an Exchange server.
2. If your Smartphone is connected to your desktop computer, disconnect it.
3. On the Home screen, select **Start**.

-
4. Select **ActiveSync**.
 5. Select **Menu** and then **Options**.
 6. Select **Server Settings**.
 7. Select **Connection**.
 8. In **User name**, enter your Microsoft Exchange user name.
 9. In **Password**, enter your Microsoft Exchange password.
 10. In **Domain**, enter the name of the domain of your Exchange server (if required).
 11. If you want the Smartphone to save your password so that you need not enter it when connecting, select **Save password**.
 12. If configuring a **Server Name**, enter name of your Exchange server.
 13. Select **Done**.

Changing ActiveSync Settings Later

To change ActiveSync settings for synchronizing with a desktop computer:

If you want to change ActiveSync settings for synchronizing with a desktop computer, use ActiveSync on the desktop computer. For more information, see “Modifying the Amount of Information Synchronized” in ActiveSync Help on the desktop computer.

To change ActiveSync settings for synchronizing with your Exchange server:

1. On the Smartphone Home screen, select **Start**.
2. Select **ActiveSync**.
3. Select **Menu** and then **Options**.
4. Select **Server Settings**.
5. Select the synchronization settings to edit: **Calendar**, **Contacts**, or **Inbox**.
6. Do one of the following:
 - To start synchronizing **Calendar**, **Contacts**, or **Inbox** information, select **Sync [Information Type] with a server** on the appropriate synchronization settings page.
 - To stop synchronizing **Calendar**, **Contacts**, or **Inbox** information, clear the **Sync [Information Type] with a server** check box on the appropriate synchronization settings page.
 - Change the amount of information to be synchronized.
7. Select **Done**.

◀ NOTE ▶

- Before you change synchronization settings, disconnect the device from your desktop computer.

Creating a Synchronization Schedule

To create a synchronization schedule with your desktop computer:

To set up a synchronization schedule with your desktop computer, you must use ActiveSync on the desktop computer. For instructions, see “Change desktop synchronization schedule” in ActiveSync Help on the desktop computer.

To create a synchronization schedule with an Exchange server:

To set up a synchronization schedule with an Exchange server, you must use ActiveSync on your Smartphone. You can schedule synchronization of your device on two separate schedules. Use the peak times schedule to synchronize during working hours or other times you experience higher mail volumes. Use the off-peak schedule to synchronize during times when you experience lower mail volumes. When you are roaming, you can synchronize manually to reduce roaming charges, or you can synchronize using the mobile schedules.

1. On the Smartphone Home screen, select **Start**.
2. Select **ActiveSync**.
3. Select **Menu** and then **Options**.
4. Select **Mobile Schedule**.
 - Select how often to synchronize in the **Peak time sync** list.
 - Select how often to synchronize in the **Off-peak time sync** list.
 - Select whether or not to synchronize on a schedule in the **Roaming sync** list.
 - Select **Sync outgoing items as they are sent** to synchronize every time you send e-mail.
5. Select **Done**.

◀ NOTE ▶

- To edit schedule settings, your Smartphone must be disconnected from your desktop computer.
- If you create a schedule for synchronizing while connected to a desktop computer as well as a schedule for synchronizing remotely (wirelessly), the Smartphone synchronizes according to both schedules.

Synchronizing Automatically

With ActiveSync you can schedule automatic synchronization between your device and a server every time an item arrives or is changed at the server. Your device is informed of that event and synchronizes automatically to retrieve those items, making your device always up-to-date. You must synchronize your device at least once (such as after creating a partnership) before you can see and change the settings for synchronization as items arrive.

◀ NOTE ▶

- You can synchronize as items arrive only if your company or service provider is running Microsoft Exchange Server with Exchange ActiveSync.
- To edit settings on the Smartphone, disconnect it from your desktop computer.

To set up a schedule to synchronize automatically:

1. On the Smartphone Home screen, select **Start**.
2. Select **ActiveSync**.
3. Select **Menu** and then **Options**.
4. Select **Mobile Schedule**.
5. Set **Peak time sync** and/or **Off-peak time sync** to **As items arrive**.
6. Select **Done**.

To set up the device address:

1. On the Smartphone Home screen, select **Start**.
2. Select **ActiveSync**.
3. Select **Menu** and then **Options**.
4. Select **Server Settings**.
5. Select **Connection**.
6. Do one of the following:
 - Scroll to **Text Message Address** and enter the address that identifies your device on the network. This is the same address that other Internet users use to send text messages to your device.
 - If your company has instructed you to use a pre-defined service provider profile, scroll to **Service Provider**, and select the service provider name. Then, enter your device phone number, if necessary, in **Device Phone Number**. If you do not want to use the provider profile, under **Address device using**, select **Other**. Then enter the text message address for your device in **Text Message Address**.
7. Select **Done** twice.

7.3 Synchronizing Information

Starting and Stopping Synchronization



Once you have set up ActiveSync, you can synchronize information at any time by using ActiveSync on the Smartphone.

1. On the Home screen, select **Start**.
2. Select **ActiveSync**.
3. To start synchronization, select **Sync**.
4. To stop synchronizing, select **Stop**.

Synchronization Methods

In addition to the USB connection already described in section 1.5, you have other options for synchronizing your information. You can use:

- Infrared connection
- Remote synchronization

Synchronizing by Using an Infrared Connection

You can connect your Smartphone to another mobile device or your desktop computer by using an infrared connection. This method is ideal for changing quickly between multiple devices because there are no cables or adapters to connect.

For more information about synchronizing by using an infrared connection or other connection types, see ActiveSync Help on your desktop computer.

Configuring Remote Synchronization

You can synchronize remotely with your desktop computer, or with an Exchange server. Remote synchronization is when your device is synchronizing over a wireless connection instead of using a direct local connection to a desktop computer. Synchronizing remotely with your desktop computer may depend on your network configuration. For example, you may need to set up a virtual private network (VPN) connection to your network.

To synchronize remotely you must configure your Smartphone as described in the following procedure. You will also need to set up a connection. For information about setting up a connection, see “Data Connections” in section 4.1. Then you will be ready to synchronize your information.

To configure remote synchronization with a desktop computer:

1. On the Home screen, select **Start**.
2. Select **ActiveSync**.
3. Select **Menu** and then **Options**.
4. Select **PC Settings**.
5. In **Use**, scroll to the computer name.
6. Select or clear **Use mobile schedule to sync with this PC**.
7. Select or clear **Sync with this PC during manual sync**.
8. Select **Done** twice.

◀ NOTE ▶

- To synchronize remotely with a desktop computer, the desktop computer must be turned on.

7.4 Deciding Which Information to Synchronize

By default, ActiveSync does not automatically synchronize all types of Outlook information. You can use ActiveSync options to turn synchronization for specific information types on and off. Items that you synchronize with Microsoft Exchange Server cannot also be synchronized with Outlook on a desktop computer.

Synchronizing Outlook E-mail

When you select Inbox for synchronization in ActiveSync, e-mail messages are synchronized as part of the general synchronization process. During synchronization, the following events occur:

- Messages are copied from the Outlook Inbox folder on your desktop computer, or from Microsoft Exchange Server, to the Inbox folder of the Outlook E-mail account on your Smartphone.
- By default, when synchronizing your Outlook E-mail account with your desktop computer or Microsoft Exchange Server, you receive only messages from the last three days and the first 500 bytes of each new message.
- The messages on your Smartphone and on your desktop computer are linked. When you delete a message on your Smartphone, it is deleted from your desktop computer the next time you synchronize, and vice versa.
- Messages in subfolders of other Outlook e-mail folders are synchronized only if the folders have been selected for synchronization in your Outlook E-mail account on your Smartphone.

◀ NOTE ▶

- Text messages are not received in Messaging through synchronization. Instead, they are sent to your Smartphone by way of your service provider.

Synchronizing Calendar

Calendar items stored on your Smartphone can be synchronized with calendar items stored on your desktop computer or on a Microsoft Exchange server. By default, Calendar items from the last two weeks are synchronized.

Calendar items created on your Smartphone are copied to your desktop computer and/or server during synchronization, and vice versa. Similarly, Calendar items that are deleted from your Smartphone are deleted from your desktop computer and/or server during synchronization, and vice versa.

Synchronizing Contacts

Contacts stored on your Smartphone can be synchronized with contacts stored on your desktop computer or on a Microsoft Exchange server. By default, all of your contacts are synchronized.

Contacts created on your Smartphone are copied to your desktop computer and/or server during synchronization, and vice versa. Similarly, contacts that are deleted from your Smartphone are deleted from your desktop computer and/or server during synchronization, and vice versa.

Synchronizing Tasks

Tasks stored on your Smartphone can be synchronized with tasks stored on your desktop computer. Task synchronization is automatically selected in ActiveSync. By default, all of your incomplete tasks are synchronized.

Tasks created on your Smartphone are copied to your desktop computer during synchronization, and vice versa. Similarly, tasks that are deleted from your Smartphone are deleted from your desktop computer during synchronization, and vice versa.

◀ N O T E ▶

- Tasks can be synchronized only with your desktop computer; they cannot be synchronized with a server running Microsoft Exchange Server.

7.5 ActiveSync Error Messages

If your information cannot be successfully synchronized, you will see an error message on your Smartphone. To help troubleshoot the problem, you can view more information about the error.

When an error message is displayed, scroll to it and press the Navigation stick to view information about the ActiveSync error.

◀ N O T E ▶

- Some errors interfere with automatic synchronization. If you suspect that a scheduled synchronization has not occurred, you should attempt to manually synchronize your information. Successfully completing manual synchronization resets automatic synchronization. For more information, see “Synchronizing Information” in ActiveSync Help on your desktop computer.

8 Internet, Entertainment, and More

This chapter explains how to browse the Web using Microsoft® Pocket Internet Explorer, play audio and video files using Microsoft® Windows Media® Player, set up a modem link, play Solitaire, and use Calculator.

8.1 Internet Explorer



Using Pocket Internet Explorer, you can browse the Web on your Smartphone. Pocket Internet Explorer on your Smartphone supports HTML (Hypertext Markup Language), cHTML (compact Hypertext Markup Language), and WAP (Wireless Application Protocol). It also supports JScript, ActiveX controls, and CSS (cascading style sheets). The browser supports images and sounds, but it does not support frames on a Web page.

With Pocket Internet Explorer, the Favorites list is displayed as the main screen instead of a home page, so you can easily go to your favorite Web sites. You can add your own favorites to this list for Web sites you frequently visit. You can view your Favorites list from any Web page by selecting **Favorites**.

Browsing the Web

◀ NOTE ▶

- Make sure that you have set up the Smartphone's connection. (See "Data Connections" in section 4.1.)

On the Home screen, press the **Start** soft key and select **Internet Explorer** to open Internet Explorer.

After opening Internet Explorer, you can:

| To... | Do this... |
|---|---|
| View a favorite | Select a favorite to view and press the Go soft key. |
| Go to a link | Select a link. You can scroll vertically or horizontally to see all available links. |
| Go to a Web page | Press the Menu soft key and select Address Bar . Enter the Web address and press the Go soft key. |
| Return to a Web page you visited in the same session | On a Web page, press the Back key repeatedly until the page appears. |
| View a list of recently-visited Web pages | Press the Menu soft key and select Address Bar . Scroll to View History and press the Go soft key. |
| Go to a Web page on the History list | Press the Menu soft key and select Address Bar . Scroll to View History and press the Go soft key. Scroll to the Web page address and press the Go soft key. |
| Disconnect from the Internet | Press the End key. |

◀ NOTE ▶

- While you are connected to the Internet, you can change between Pocket Internet Explorer and other programs on your Smartphone by pressing the Home key and navigating to the program you want. This does not close your Internet connection. To return to the Web page you were viewing, press the **Back** key.

Using the Favorites List

If you see a Web page you want to visit another time, mark it as a favorite. The next time you want to visit that Web page, you can select it from your Favorites list.

To add a web page to your Favorites list:



1. Press the **Menu** soft key and select **Add Favorite**.
2. If you are already in the Web page you want, the name and URL will appear on the screen.
If you are manually entering the information, enter the name and URL in the input fields.
3. Press the **Add** soft key.

To create, delete and edit a folder in Favorites:

In Favorites, you can create, delete and edit a folder using the **Menu** commands.

Refreshing Web Pages

The Smartphone caches the Web pages that you view and stores them until the cache is full. It then replaces the oldest pages with new pages. If you go to a page that is cached on your Smartphone, you see the stored version unless you refresh the page to see the latest version. Press the **Menu** soft key and select **Refresh** to see the latest Web content for that page.

Customizing Pocket Internet Explorer

You can customize Web browsing options, change the network to connect to, and make more memory available on your Smartphone by clearing stored cookies and Web pages.

In Internet Explorer, press the **Menu** soft key and select **Options**. You can set up the following options:

| Pocket Internet Explorer Options | Sub Item | Description |
|----------------------------------|---|--|
| General | Show pictures | To display graphics on Web pages |
| | Play sounds | To play sounds on Web pages |
| | Warn when changing to an unsecure page | To warn when moving from a secure to a non-secure Web page |
| | Allow cookies | To allow Web sites to download cookies to your Smartphone |
| | Language | To select the alphabet to use |
| Connections | Automatically detect settings | To automatically detect network settings |
| | Select network | To select the network to which Internet Explorer should connect if you did not select Automatically detect settings . |
| Memory | Temporary Files | To clear Web pages from the cache. (When you do this, you will no longer be able to view these cached Web pages offline. You will need to connect to the Internet and go to the page. This downloads a new file to the cache, so you can again view the page offline.) |
| | Cookies | To clear stored cookies. This deletes personal information about you that is stored for use by various Web sites. |
| | History | To clear History files. |

8.2 Windows Media

Use Microsoft® Windows Media® Player 10 Mobile for Smartphone to play digital audio and video files that are stored on your Smartphone or on the Web.

By default, Windows Media Player can play the following types of files:

- Windows Media Audio (WMA)
- Windows Media Video (WMV)
- MP3

This includes files with the extensions .asf, .wma, .wmv, and .mp3.

◀ NOTE ▶

- In this documentation, the version of Windows Media Player for Windows-based desktop or laptop computers is called the “desktop Player” and the version for Smartphone is called the “Smartphone Player.”

Synchronizing Media Files

Use the **Sync** feature in the desktop version of Windows Media Player 10 to synchronize digital media files to your Smartphone (instead of dragging a file from a folder on your desktop computer to a folder on your Smartphone, for example). This copies your favorite audio files, video files, and playlists from your desktop Player library to your Smartphone Player library and ensures that licenses are copied with protected files. For information about the **Sync** feature, start the desktop version of Windows Media Player 10, and then press **F1**.

The desktop version of Windows Media Player 10 is only available for computers running Windows XP. If you are not running Windows XP on your desktop computer, use the **Copy to CD or Device** feature of Windows Media Player 9 Series to copy your audio files and video files to your device. Note that the desktop version of Windows Media Player 9 Series is not as full-featured as the desktop version of Windows Media Player 10. For example, the desktop version of Windows Media Player 9 Series does not support automatic synchronization, synchronization of playlists, synchronization of album art, or synchronization of TV shows recorded by computers running Windows XP Media Center Edition. For more information about the **Copy to CD or Device** feature, start the desktop version of Windows Media Player 9 Series, and then press **F1**.

◀ NOTE ▶

- Audio files copy faster if the desktop Player is configured to automatically set the quality level for audio files copied to your Smartphone. For more information, see the desktop Player Help.

Starting Windows Media Player

On the Home screen, press the **Start** soft key and select **Windows Media** to start Windows Media Player 10 Mobile for Smartphone.

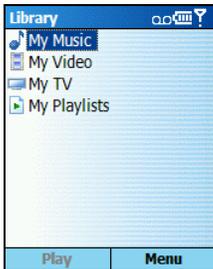
Windows Media Screens

Windows Media Player 10 Mobile for Smartphone has three primary screens:

- **Library screen.** The screen that lets you quickly find your audio files, video files, and playlists. It contains categories such as **My Music**, **My Video**, **My TV**, and **My Playlists**. This is the default screen when you start Windows Media Player for the first time after turning on your Smartphone.
- **Playback screen.** The screen that displays the playback controls (such as Play, Pause, Next, Previous, and Volume), the album art window, and the video window.
- **Now Playing screen.** The screen that displays the Now Playing playlist. This is a temporary playlist that indicates the currently playing file and any files that are “queued up” to play next.

Playing Audio and Video Files

Afer starting Windows Media Player, use the library to find and play songs, videos, and playlists that are stored on your Smartphone or removable storage card.



1. If you are not on the Library screen, select **Menu**, and then select **Library**.
2. If necessary, on the Library screen, select **Menu**, select **Library**, and then select the library that you want to use. (For more information on Library, see “Using Libraries” later on.)
3. Scroll to a category (for example, **My Music** or **My Playlists**), and then press the Navigation stick.
4. Select the item that you want to play (such as a song, album, or artist name), and then select **Play** (or select **Menu**, and then select **Queue Up**).



To play a file that is stored on your Smartphone, but that is not in a library, do the following: On the Library screen, select **Menu**, and then select **Open File**. Select the item that you want to play, and then select **Play** (or select **Menu** and then select **Queue Up**).

Quickly Controlling the Playback

On the Playback screen, you can use the hardware buttons to quickly control the following:

- To toggle between pause and play, press the Navigation stick.
- To skip to the next item in a playlist, push the Navigation stick toward the right.
- To skip to the beginning of the playing item, push the Navigation stick toward the left.
- To skip to the previous item in a playlist, push the Navigation stick toward the left twice quickly.
- To increase or decrease the volume of a playing file, push the Navigation stick up/down.
- To turn the sound on or off quickly (that is, turn mute on or off), press the # key.

◀ NOTE ▶

- On any screen, you can use the **Volume** control to increase or decrease the volume of a playing file. However, this control affects all sounds on your device, not just the sounds of Windows Media Player.
- You can assign tasks to the hardware buttons. (See “Customizing Windows Media Settings” later on for more information.)

Using Menu Commands on the Playback Screen

On the Playback screen, you can use the menu commands as below:

| Menu Commands on the Playback Screen | Description |
|--------------------------------------|---|
| Play/Pause | Starts or pauses playback. |
| Stop | Stops playback and rewinds to the beginning of the current file. |
| Shuffle | Plays the items in the Now Playing playlist in a random order. |
| Repeat | Plays the items in the Now Playing playlist repeatedly. |
| Full Screen | When a video is playing, displays it by using the entire screen. |
| Library | Displays the Library screen so you can choose a file to play. |
| Open URL | Lets you play a file on a network, such as the Internet. In the URL box, enter a network address. - or - In the History box, scroll to a URL that you have previously used, and then press the Navigation stick. NOTE: To play an item on a network, you must be connected to a network. |
| Options | Lets you adjust various Windows Media Player options, including network, skin, and hardware button options. (See “Customizing Windows Media Settings” later on for more information.) |
| Properties | Displays information about the currently playing file. |
| About | Displays information about Windows Media Player, such as the version number. |

Using the Now Playing Playlist

The Now Playing is a temporary playlist that displays the currently playing file and any files that are “queued up” to play next.



To access the Now Playing playlist:

1. If you are not on the Now Playing screen, press the **Back** key until you are on the Playback screen.
2. On the Playback screen, select **Now Playing**.

Using Menu Commands on the Now Playing Screen

When you are viewing the Now Playing screen, you can use the menu commands as below:

| Menu Commands on the Now Playing Screen | Description |
|---|--|
| Library | Displays the Library screen so you can choose a file to play. |
| Move Up | Moves the selected item up in the playlist order. |
| Move Down | Moves the selected item down in the playlist order. |
| Delete from Playlist | Removes the selected item from the playlist. The item will be removed from the playlist, but not removed from the library or deleted from your device or removable storage card. |
| Shuffle | Plays the items in the Now Playing playlist in a random order. |
| Repeat | Plays the items in the Now Playing playlist repeatedly. |
| Clear Now Playing | Removes all items from the Now Playing playlist. Clearing the Now Playing playlist removes all items from the Now Playing playlist, but it does not remove the items from the library or delete them from your device or removable storage card. |
| Error Details | Displays error information about the selected item (an exclamation mark appears before the item name if error details are available). |
| Properties | Displays information about the selected file. |

Using Libraries

The library contains links to your audio files, video files, and playlists. As in the desktop Player, it lets you sort your content by criteria such as artist name, album title, or genre.

Unlike the desktop Player, the Smartphone Player can have multiple libraries. Each library represents an available storage location. For example, if you store some content in the internal storage location on the device, the My Device library contains links to those files.

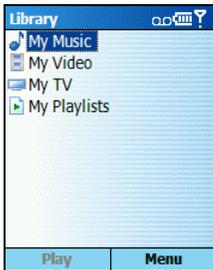
When you turn on your Smartphone and open Windows Media Player, the program automatically searches the internal storage location of your device for compatible digital media files. If it finds any, they are added to the My Device library.

Similarly, when you insert a removable storage card into your device, Windows Media Player asks you if you want to search it for content. If you agree, Windows Media Player adds any content it finds to a Mounted Volume library.

For best results when using Windows Media Player Mobile:

- Always use the desktop version of Windows Media Player 10 to synchronize (copy) files to your Smartphone. For example, do not use Windows Explorer to drag and drop files from your computer to your Smartphone.
- When synchronizing files, always synchronize the files to a storage card that is inserted into your Smartphone. Do not synchronize to a storage card that is inserted into a storage card reader. In addition, do not synchronize to the internal storage location (RAM) in your device.

To access the Library screen:



1. If you are not already on the Library screen, select **Menu** and then **Library**.
2. On the Library screen, you can switch between the My Device library and any other libraries that are available to your device by selecting **Menu** → **Library**, and then selecting the library that you want to use.

If you copy new files to your device or storage card and they do not appear in the library, you can manually update the library by using the **Update Library** command.

Using Menu Commands on the Library Screen

When you are viewing the Library screen, you can use the menu commands as below:

| Menu Commands on the Library Screen | Description |
|-------------------------------------|---|
| Queue Up | Adds the selected item to the end of the current (Now Playing) playlist. |
| Delete from Library | Removes the selected item from the library. The item is removed from the library, but not deleted from your device or removable storage card. If you also want to delete the file from your device or storage card, select Yes when you are prompted. |
| Library | Lets you select the library that you want to view (for example, the library of items stored on your device, or the library of items stored on a removable storage card). |
| Update Library | Adds new items to the library by searching your device or storage card. |
| Open File | Lets you find and play files that are stored on your device or storage card, but that are not in the library. |
| Properties | Displays information about the selected file. NOTE: When you view the file properties of a song, you can use the Buy CD command to find out whether the corresponding CD is available for purchase. To buy a CD, on the Properties screen, select Menu , and then select Buy CD . After selecting Buy CD, you must synchronize with the latest version of the desktop Player (Windows Media Player 10) to view the Buy CD Web page and complete the transaction. The Buy CD command is not available for all files. |
| Done | Closes the library screen and displays the Playback screen. |

Using Playlists

A playlist is a list of digital media files that play in a specified order. By using playlists, you can group audio and video files together for convenient playback. When you synchronize with the desktop version of Windows Media Player 10, your favorite playlists are automatically copied to your Smartphone.

Your playlists are available in the library (in the My Playlists category).

Customizing Windows Media Settings

You can customize the appearance and functionality of Windows Media Player using the **Options** command.

To access the Options menu:

1. If you are not on the Playback screen, press the **Back** key until you are.
2. Select **Menu → Options**. The options are described below. Select **Done** after you have made your changes.

| Windows Media Options | Description |
|-----------------------|---|
| Playback | <p>This page has three setting items:</p> <ul style="list-style-type: none">● Show time as Select Elapsed (default) to show how much time has elapsed since you started playing the file or Remaining to show how much time is remaining until the file ends.● Pause playback while using another program Check this box if you want the function. Clear this box (default) if you want files to continue to play in the background when you use other programs.● Resume playback after a phone call Check this box (default) if you want the function. Clear this box if you don't want the playback to automatically resume after you complete your call. |
| Audio/Video | <p>This page has two setting items:</p> <ul style="list-style-type: none">● Play video in full screen Select Never (default) to play videos inside the video window, Only when oversized to play only oversized video in full screen, or Always to always play in full screen. When a video plays in full screen, the playback controls are hidden. (To override the Never and Only when oversized options when playing a video, on the Playback screen, press the * key.)● Shrink to fit window Check this box (default) to scale the video down to fit the video window. Clear this box if you don't want the function, meaning a portion of the image will not be visible when you play a video that is larger than the video window <p>NOTE: Oversized video files are larger than the video area of a skin (typically, 160 × 120 pixels).</p> |

(To be continued)

(Continued)

Windows Media
Options

Description

Network

This page has two setting items:

- **Internet Connection Speed**
Select the speed of your network connection.
- **Protocol**
Select the check box for each protocol that you want to enable. You must select at least one protocol. Enter the port number for User Datagram Protocol (UDP), if necessary. We recommend that you select all protocols. However, if your network implements a firewall that prevents you from receiving streams that use the UDP or TCP protocols, you might want to clear the UDP or TCP check boxes.

Library

This page has one setting item:

- **Start Player on Library screen**
Check this box (default) to show the Library screen when you open Windows Media Player. Clear this box to show the Playback screen when you open Windows Media Player.

NOTE: This option does not take effect until you turn off your Smartphone and then turn it on again.

Skins

If you have additional skins installed on your device, you can scroll left/right to select a skin.

To download new skins, see the WMPlugins.com Web site (<http://www.wmplugins.com>). To ensure that skins appear on the Skins options screen, do not store skin files in the Windows folder on your Smartphone.

Buttons

To give you quick access to some Windows Media Player controls without using the menus, you can assign their functions to the hardware buttons on your Smartphone.

In the list of controls, scroll to the item that you want to change (such as the button assigned to the Play/Pause control), select **Menu**, select **Assign**, and then press the hardware button (such as the **Action** key) that you want to assign to that control.

To reset a control to its default hardware button, scroll to the item that you want to change, select **Menu**, and then select **Reset**.

To assign no hardware button to a control, scroll to the item that you want to change, select **Menu**, and then select **None**.

NOTE: **Action** key means pressing the Navigation stick on your Smartphone. Up/Down/Left/Right key means pushing Navigation stick toward the corresponding direction.

About Licenses and Protected Files

Protected files are digital media files that are secured with a license to prevent unauthorized distribution or playback.

The license specifies how you can use the file. For example, a license can specify how many times you can play a file. A license can also specify whether you can burn the file to a CD or synchronize (copy) the file to a portable device.

The terms of the license are specified by the person or company that provided the file. Most people obtain protected files from online stores, such as MSN Music and Napster.

When copying a protected file from your computer to your Smartphone:

- Always use the desktop version of Windows Media Player 10 to synchronize (copy) the file to your Smartphone. For example, do not use Windows Explorer to drag and drop files from your computer to your Smartphone.
- Always synchronize the file to a storage card that is inserted into your Smartphone. Do not synchronize to a storage card that is inserted into a storage card reader.

For more information about synchronizing files to your Smartphone and other devices, see the desktop Player Help.

You can view the protection status of a file by checking its file properties (select **Menu**, and then select **Properties**).

◀ N O T E ▶

- You can view the protection status of a file by checking its file properties (select **Menu**, and then select **Properties**).

Supported Audio and Video Codecs

High-quality digital media files can require a large amount of storage space. To minimize file size, digital media files are often compressed by using software called a codec (short for compressor/decompressor). To play the file, it must be decompressed by using the same codec that compressed the file.

Windows Media Player 10 Mobile for Smartphone can play files that have been compressed by using any of the following audio and video codecs. You can determine which codecs a file uses by checking its file properties (select **Menu**, and then select **Properties**).

Audio Codecs

- Microsoft Windows Media Audio codec versions 1.0, 2.0, 7, 8, and 9.

Although Windows Media Player for Smartphone supports all the variants of the Windows Media Audio 9 codec (including the Windows Media Audio 9, Windows Media Audio 9 Professional, Windows Media Audio 9 Voice, and Windows Media Audio 9 Lossless codecs), the following variants are only partially supported:

- Windows Media Audio 9 Professional codec. Multiple channels are combined into a stereo mix during playback. Depending upon the audio playback capabilities of your device, content with an audio sampling rate higher than 48 kilohertz (KHz) might be played as 48 KHz.
- Windows Media Audio 9 Lossless codec. Depending upon the audio playback capabilities of your device, content with an audio sampling rate higher than 48 KHz might be played as 48 KHz.

Video Codecs

- Microsoft Windows Media Video codec versions 7, 8, and 9.
- Microsoft Windows Media Video 9 Image codec versions 1.0 and 2.0.
- Microsoft MPEG-4 codec version 2.0 and 3.0.
- ISO MPEG-4 video codec version 1.0.

◀ NOTE ▶

- Windows Media Player 10 Mobile for Smartphone does not support any version of the Windows Media Video Screen codec.

8.3 Modem Link

Using Modem Link, you can use your Smartphone as an external modem for another device or computer by using an infrared or USB connection.

◀ NOTE ▶

- Your Smartphone does not support the COM connection.
- Your Smartphone supports the modem link capability for Windows 2000 and Windows XP only.

Setting up an Infrared Connection

1. Make sure that your Smartphone is not connected to another device.
2. On the Home screen, press the **Start** soft key and select **Accessories → Modem Link**.
3. Press the **OK** soft key on the message that appears.
4. Under **Connection**, select **IrCOMM**.
5. Press the **Menu** soft key and select **Activate**.
6. Align the Smartphone's IR port to the device.
7. To deactivate the Modem link, press the **Menu** soft key and select **Deactivate**.

Setting up a USB Connection

◀ NOTE ▶

- Before using your Smartphone as a USB modem, clear **Allow USB connection with this desktop computer** in **Connection Settings** of ActiveSync on your desktop computer to close the ActiveSync connection. To use the ActiveSync connection again, you need to select **Allow USB connection with this desktop computer**.

1. Make sure that you have set up the Smartphone's connection. (See "Data Connections" in section 4.1.)
2. Make sure that your Smartphone is not connected to another device.
3. On the Home screen, press the **Start** soft key and select **Accessories → Modem Link**.
4. Press the **OK** soft key on the message that appears.
5. Under **Connection**, select **USB**.

6. Press the **Menu** soft key and select **Activate**. Notice not to press any key to leave the current screen.
7. Connect your Smartphone to the desktop computer, and insert the Companion CD into the CD-ROM drive of the desktop computer.
8. The installation of the USB driver will start automatically. If needed, browse for the USB driver on the Companion CD.
9. Open the Device Manager on the desktop computer by clicking **Start** → **Control Panel** → **System** → **Hardware** (for Windows 2000/XP/2003) → **Device Manager**.
10. Open the **Modem** item, right-click on **USB Modem**, and select **Properties**.
11. Open the **Advanced** page, enter **+CGDCONT=1,“IP”,“MMS”** under **Extra initialization commands**, and click **OK**.

◀ NOTE ▶

- Depending on your service provider, the string for you to enter may not be “MMS.” To make sure of the correct string to enter, on the Home screen press the **Start** soft key → **Settings** → **Data Connections** → the **Menu** soft key → **Edit Connections** → **GPRS Connections** → select your GPRS connection → the **Menu** soft key → **Edit** → **Access point**.

12. On your desktop computer, create a dial-up connection using your Smartphone as the modem, enter ***99#** for the phone number and user name; you do not need to set up the password.

◀ NOTE ▶

- For information on creating a dial-up connection on the desktop computer, see the documents that came with the operating system.
- You are advised to set the baud rate to at least **115200**.

13. Click **Dial** on your dial-up connection screen. The  icon appears on the task bar after the successful dial-up connection.
14. To end the connection, right-click on the  icon on the desktop computer and select **Disconnect**. Or, press the right soft key on the Smartphone → **Deactivate**.



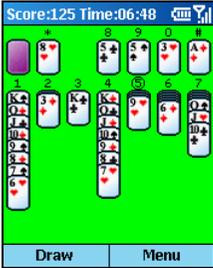
◀ **NOTE** ▶

- Failing to deactivate the modem link when you are finished using it might result in problems with using ActiveSync in the same session.
- Disconnecting the ActiveSync cable will not completely stop the modem connection on the Smartphone. You have to press the **Menu** soft key → **Deactivate**.

8.4 Games

Solitaire

The object of Solitaire is to use all the cards in the deck to build up the four suit stacks in ascending order, beginning with the aces. You win the game when all cards are on the suit stacks.



1. On the Home screen, press the **Start** soft key and select **Games** → **Solitaire**.
2. To start a new game of Solitaire, press the **Menu** soft key and select **New Game**.
3. Press the number or character above the card stack displaying the card you want to move, and then press the number or character above the card stack to which you want to move the card.

Pushing the Navigation stick up will move a card to one of the four card stacks on the upper right corner of the screen if it belongs there. For example, if you have an ace displayed in one of the seven stacks, press the number above the ace, and then push the Navigation stick up.

4. Move any aces on the seven stacks to the four card spaces at the top of the screen, and then make any other available plays.
5. When you have made all available plays, press the **Draw** soft key to turn over cards. The card that is face up on the deck is always available for play.

Jawbreaker

To play Jawbreaker, you need to eliminate as many adjacent balls of the same color as possible.



1. On the Home screen, press the **Start** soft key and select **Games** → **Jawbreaker**.
2. To start a new game of Jawbreaker, press the **New** soft key.
3. The ball being selected will flash. To eliminate two (or more) adjacent balls of the same color, scroll to select and press the Navigation stick. The screen will display the score for eliminating the selected balls. Press the Navigation stick again to eliminate them.

To undo the elimination, press the **Menu** soft key and select **Undo**. You can only undo once.
4. The game is over when all adjacent balls of the same color are eliminated. The screen will then display the score.

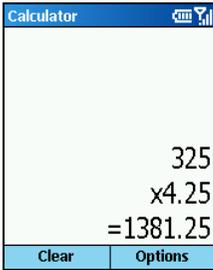
Press the **Menu** soft key and select **Statistics** to view the number of games you have played, the average score, the highest score, and the big burst for a single elimination. You can press the **Reset** soft key to reset the statistics.

Press the **Menu** soft key and select **Options** to change the settings for playing sounds, game style and the color of the balls (breakers).

8.5 Calculator

You can use Calculator to perform any of the standard operations for which you would normally use a handheld calculator. Calculator performs basic arithmetic, such as addition, subtraction, multiplication, and division.

To enter numbers and perform calculations:



1. On the Home screen, press **Start** soft key and select **Accessories** → **Calculator**.
2. Use the keypad to enter numbers and perform calculations. Press the Asterisk (*) key to enter a decimal point.
3. To enter the mathematical symbols:
 - Press the Pound (#) key to cycle through the available mathematical symbols: the plus sign (+), the minus sign (-), the multiplication sign (x), and the division sign (/).
 - You can also use the menu commands to display the available mathematical symbols.
 - You can also use the navigation pad to display the available mathematical symbols. Push the Navigation stick upward for the plus sign (+), downward for the minus sign (-), left for the division sign (/), and right for the multiplication sign (x).
4. If you enter the wrong number, press the **Back** key to clear the last digit entered in a multiple-digit entry. Note that the divisor cannot be 0.
5. When you entered the calculation, press the Navigation stick to obtain the answer. Or, you can obtain the answer using the **Equals** of the menu commands.
6. To clear the current calculation and start a calculation again, press the **Clear** soft key.

Part II

Software Manual

9 Using the Digital Camera

Your Smartphone features a built-in CMOS camera. You can take photos or record videos and then directly view these photos or videos on your Smartphone. What's more, you can immediately share with others your photos and videos through the mobile network service.

9.1 Phone Camera

The Phone Camera program is your tool for taking photos and recording videos on your Smartphone.

Taking Photos

1. If you want to save your photos in a storage card, insert the card.
2. On the Home screen, press the **Start** soft key and select **Phone Camera**.
3. By default, the camera is in Take Photo mode. If you are currently in Record Video mode, press the **Menu** soft key and select **Take Photo** to change the mode.
4. Frame your target in the viewing window. You can rotate your Smartphone if necessary.
5. If you need to adjust the brightness or zoom in/out, follow this method:
 - Push the Navigation stick up/down to adjust the brightness of the image (only when the **Brightness** item in Settings is set to **Manual**).



- Push the Navigation stick left/right to zoom in/out (only when the **Picture Resolution** item in Settings is set to **176x144**).



A sliding bar appears at the bottom of the screen to indicate the adjustable range. It disappears after three seconds of inactivity.

-
- When you are ready to take the photo, press the Navigation stick.
 - The left soft key on the screen will display **Save**. Press the left soft key or the Navigation stick to save the photo. If you do not respond in five seconds, the program will automatically save it.

The photo is saved as a .jpg file in the storage card (if inserted) or in the memory of your Smartphone.

- To immediately view the saved photo, press the **Viewer** soft key to open Phone Viewer. (For details on Phone Viewer, see section 9.2.)

◀ NOTE ▶

- Immediately after shooting, you can press the **Send** soft key to create a new E-mail or media message containing the new photo.
- If you do not want to save the photo after shooting, press the **Back** key within 5 seconds.
- To configure the camera settings, press the **Menu** soft key and select **Settings**. (For more information, see “Phone Camera Settings” later in this chapter.)

Continuous Shots

Your camera features continuous shots. You can take a total of nine continuous shots at the set interval (0.5 second by default).

- While in the Take Photo mode, press the **Menu** soft key and select **Continuous**. The  icon appears on the top left corner of the screen to indicate that the Continuous mode is in use.
- Follow steps 4 to 6 as described in the previous section to take the photo. The Smartphone will take nine continuous shots and then display the photos on the screen.
- Press the **Save** soft key to save the nine photos or **Cancel** soft key to abandon the photos.



Recording Videos

1. If you want to save your videos in a storage card, insert the card.
2. On the Home screen, press the **Start** soft key and select **Phone Camera**.
3. By default, the camera is in the Take Photo mode. Press the **Menu** soft key and select **Record Video** to change to Record Video mode.
4. Frame your target in the viewing window. You can rotate your Smartphone if necessary.
5. If you need to adjust the brightness or zoom in/out, follow this method:
 - Push the Navigation stick up/down to adjust the brightness of the image (only when the **Brightness** item in Settings is set to **Manual**).
 - Push the Navigation stick left/right to zoom in/out.

A sliding bar appears at the bottom of the screen to indicate the adjustable range. It disappears after three seconds of inactivity.

6. When you are ready to record the video, press the Navigation stick to start recording. To stop the recording, press the Navigation stick again.



7. The left soft key on the screen will display **Save**. Press the left soft key or the Navigation stick to save the video. If you do not respond in five seconds, the program will automatically save it.

The video is saved as a .3gp file in the storage card (if inserted) or in the memory of your Smartphone.

8. To immediately watch the saved video, press the **Player** soft key to open Video Player. (For details on Video Player, see section 9.3.)

◀ NOTE ▶

- When saving the video in your Smartphone, the maximum recording time allowed is 15 seconds; when saving in a storage card, you can keep on recording until the card runs out of space.
- After recording, you can press the **Cancel** soft key in five seconds to abandon.

Phone Camera Settings

To configure Phone Camera, press the **Menu** soft key and select **Settings** on the Phone Camera main screen. While in the Settings menu, scroll up/down to an item. To select an option for the item, scroll left/right or press the Navigation stick to select from a submenu.

| Phone Camera Settings | Description |
|---------------------------|--|
| Timer | Sets the time lag between releasing the shutter and shooting the photo. This is helpful for avoiding blurring caused by vibration of your Smartphone when you press a key. The options are 0~10 seconds (default is 0). For example, if you set the timer to 3 , when you press the key to shoot, the timer will start to count down and you should keep the Smartphone steady until the time is up and the photo is shot. |
| Mode | Default setting is Normal Mode . When in a dark place, select Twilight Mode for better result. |
| Picture Resolution | Sets the resolution (pixels) of the photo. The options are 176x144 (default), 320x240 and 640x480 . The image resolution for videos is 176x144. |
| Video Quality | Sets the video compression level to Fast Mode or Normal Mode . Select Normal Mode for higher video quality but larger file size and select Fast Mode for the contrary. |
| Storage Media | Selects the storage location for the photos and videos to Storage or SDMMC Disk . Photos are stored in the \Storage\My Documents folder of your Smartphone or \PhotoAlbum folder of the storage card. Videos are stored in the \Storage\My Documents folder of your Smartphone or \MovieAlbum folder of the storage card. |
| Brightness | Sets the brightness control to Manual (default) or Auto . |
| Flicker Control | When you use the camera indoors, you can select 50Hz or 60Hz to match the local flicker frequency of the fluorescent lamp. |
| Continues Interval | Sets the time interval (second) for taking continuous photos. The options are 0.5s (default), 0.75s and 1s . |

Notes on Using Phone Camera

- Your Smartphone's volume is automatically turned to the maximum level when you use the Phone Camera program. This is a preventive measure for protecting privacy.
- If you press the Volume Control button while in Phone Camera, the program will be closed.
- To use Phone Camera, your Smartphone must have enough memory. If the memory is inefficient, a warning message will appear on the screen. To solve the problem, you can free the memory by:
 - Deleting files you no longer need
 - Stopping all other programs
 - Turn off and then on the Smartphone

9.2 Phone Viewer

The Phone Viewer program allows you to view pictures in .jpg and .bmp formats, display a slideshow of all the pictures, and edit the pictures.

Viewing Photos

Thumbnail View

1. On the Home screen, press the **Start** soft key and select **Phone Viewer**.
2. If a storage card is inserted, the program will display the .jpg and .bmp files in the card. Otherwise, it will display the files in the Storage\My Documents folder and its subfolders of your Smartphone. One screen displays a total of nine thumbnails.



3. When you scroll to a photo, you can do any of the followings:
 - Press the Navigation stick to view the photo in full screen.
 - Use the **Menu** soft key to perform various tasks such as sending and editing. (See later instructions.)

Full Screen View

When you open a photo in the thumbnail view, the photo displays in full screen.



After opening a photo in full screen, you can:

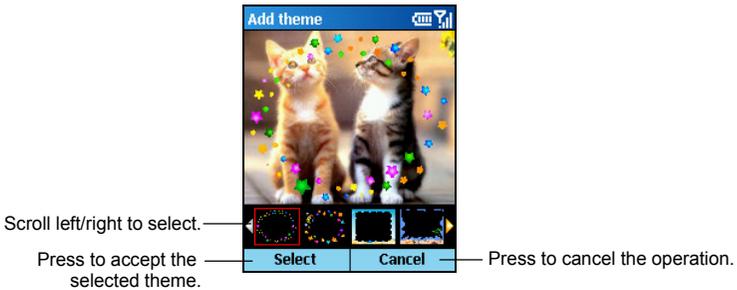
- Press the **Back** soft key to return to the thumbnail view.
- Use the **Menu** soft key to perform various tasks such as sending and editing. (See later instructions.)
- Push the Navigation stick up/down to switch to the previous/next photo in full screen.
- Push the Navigation stick left/right to zoom in or out on the photo (25% ~ 200%).
- If you zoom in on the photo, you can move the focus by selecting **Menu** → **Move** and then push the Navigation stick to move. Press the Navigation stick to go back to the previous screen.



Adding a Theme to a Photo

You can add a theme to your photo to make it fancier. Phone Viewer provides 12 themes for you to select.

1. In full screen view or thumbnail view, press the **Menu** soft key and select **Edit** → **Add Theme** to add a theme to the selected photo.

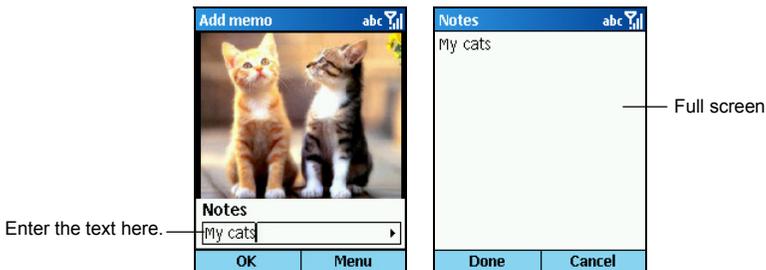


2. Scroll left/right to select a theme and press the **Select** soft key or the Navigation stick.
3. Press the **Save** soft key. The photo with a theme will be saved as a new photo in the album.

Adding a Memo to a Photo

You can add text and/or voice notes to a photo.

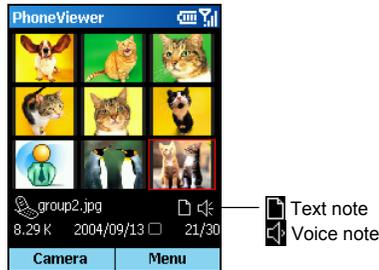
1. In full screen view or thumbnail view, press the **Menu** soft key and select **Edit** → **Memo** to add a memo to the selected photo.
2. To add a text note, type the text in the text field at the bottom of the screen. You can type for up to 100 characters. Or, you can press the Navigation stick to change to full screen mode and type or read the text. Press the **Done** soft key to save the text and return to the previous screen.



3. To add a voice note, press the **Menu** soft key and select **Record** to start recording voice. Press the **Stop** soft key or the Navigation stick to stop. You can add only one voice recording to a photo, meaning a second recording will replace the old one.



4. Press the **OK** soft key. In the thumbnail view, you will see text and voice note indicators.



When you select **Memo** from the menu commands next time, you will see the text note. To play the recording, press the **Menu** soft key and select **Play**.

For your Smartphone to play the voice note automatically when you open the photo next time, press the **Menu** soft key in the thumbnail view, select **Settings**, select **Play audio**, and then press **OK** soft key.

◀ NOTE ▶

- To delete the text note of a selected photo, erase all characters in the text input field with the **Back** key. To delete the voice note of a selected photo, press the **Menu** soft key and select **Delete**.

Renaming a Photo

1. In full screen view or thumbnail view, press the **Menu** soft key and select **Edit** → **Rename** to rename the current selected photo.
2. Enter the new name in the text field.
3. Press the **Save** soft key.



Adding a Special Effect to a Photo

1. In full screen view or thumbnail view, press the **Menu** soft key and select **Edit** → **Effect** to apply an effect to the selected photo.
2. Scroll left/right to select an effect such as grayscale, negative, duotone, and rotate.
3. Press the **Save** soft key to save the changed photo as a new file.



Slide Show

You can display a slide show of your photos.

1. If you want to specify the location of the photos, press the **Menu** soft key and select **Select Folder**.
2. To change the default settings of the slide show, press the **Menu** soft key and select **Settings**. You can customize the following options.
 - **Time setting** sets the interval between displaying one photo and the next one. The options range from **1** to **9** seconds (default is **2**).
 - **Slide show view** is **Best Fit** (default) or **Full Screen**.
 - **Slide show sequence** is **Forward** (default) or **Backward**.
 - **Play audio** sets if the voice notes (if added to the photos) are played during the slide show.

When completed, press the **OK** soft key.

3. To start the slide show, press the **Menu** soft key and select **Slide show**.
4. All photos will be displayed one after another in the way as specified above until you press the **OK** soft key to stop.

Phone Viewer Menu Commands

Either in the thumbnail view or full screen view, press the **Menu** soft key to access the menu commands as described below:

| Thumbnail View Menu | Full Screen View Menu | Description |
|----------------------|-----------------------|---|
| Send via | Send via | Sends the selected photo via MMS or infrared. |
| Edit | Edit | Edits the selected photo. The available commands are Add theme , Memo , Rename , and Effect . (See the previous sections for instructions.) |
| Select Folder | – | Specifies the location of the photos: <ul style="list-style-type: none">• My Device displays the photos stored in the Storage\My Documents folder of your Smartphone.• Storage Card displays the photos stored in the storage card, if inserted. |
| Delete | Delete | Deletes the selected photo. |
| – | Move | Activates the Move function (available only when you have zoomed in on the photo). |
| – | Full screen | Displays only the photo on the screen (no top title bar and bottom soft key commands). To end the full screen display, press the Back key or Navigation stick. |
| Slide show | – | Displays a slideshow of the photos (as described in “Slide Show” earlier). |
| Wallpaper | Wallpaper | Sets the selected photo as wallpaper of the Home screen. |
| Settings | – | The first item sets the total number of photos displayed in the thumbnail view. The options are 6 , 9 (default), and 12 . The remaining items configure the settings for a slideshow (as described in “Slide Show” earlier). |
| Exit | – | Closes the program. |

9.3 Video Player

Video Player allows you to play the videos (.3gp format) you have recorded using Phone Camera.

Playing Videos

Thumbnail View

1. On the Home screen, press the **Start** soft key and select **Video Player**.
2. If a storage card is inserted, the program will display the videos in the card; otherwise, it will display the videos in the Storage/My Documents folder and its subfolders of your Smartphone. One screen displays a total of nine thumbnails.



3. To play a video, scroll to select and then press the Navigation stick to watch the video in full screen.

Full Screen View

When you open a video in the thumbnail view, the video plays in full screen.

During the playback, the progress bar appears at the bottom of the screen to indicate the elapsed time (mm:ss). Press the Navigation stick to pause, and press the button again to resume.

After opening a video, you can press the **Menu** soft key to control the playback such as pause, stop, or delete. Press the **Back** soft key to return to the thumbnail view.



Video Player Menu Commands

In the thumbnail view, press the **Menu** soft key to access the menu commands as described below:

| Menu | Description |
|----------------------|---|
| Play | Plays the selected video in full screen. |
| Delete | Deletes the selected video. |
| Rename | Renames the selected video. |
| Select Folder | Specifies the location of the videos: <ul style="list-style-type: none">• My Device displays the videos stored in the Storage\My Documents folder of your Smartphone.• Storage Card displays the videos stored in the storage card, if inserted. |
| Settings | Sets the total number of videos displayed in the thumbnail view. The options are 6 , 9 (default), and 12 . |
| Exit | Closes the program. |

10 Photo ID

Your Smartphone features Photo ID, allowing you to easily identify the caller by the photo shown on the screen.

10.1 Photo ID Overview

Use Photo ID to assign photos to your contacts. When a contact calls you, his/her photo appears on the screen.

You can also use Photo ID to manage the phone book stored in your Smartphone and in your SIM card. For example, you can add, delete, or edit a contact, and make a call from here.

On the Home screen, press the **Start** soft key and select **Photo ID** to open Photo ID. By default, the program will load the phone book of the SIM card and the Smartphone's Contacts. After the loading finishes, the contact list (Photo ID main screen) is displayed in the alphabetic order of contact names.

◀ NOTE ▶

- On your Smartphone, there can be two kinds of independent contact lists. One is stored in the Smartphone's memory; the other is stored in the SIM card.
- You can use both Contacts and Photo ID to load the contact information stored in the Smartphone's memory and SIM card. You can use either program to add or delete data; the changes you make will be valid in both programs.
- For information on using Contacts, see section 6.1.
- To refresh the contact data, press the **Menu** soft key on the Photo ID main screen and select **Refresh**.

10.2 Assigning a Photo ID to a Contact

Your Smartphone provides several photo templates for you to use. You can also have a unique photo ready by:

- Taking a photo using your Smartphone's camera
- Copy the image file to the Storage\My Documents folder of the Smartphone via ActiveSync, infrared, or Internet

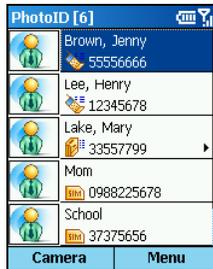
◀ NOTE ▶

- The photo must be a .jpg file of 176x144 resolution for the Photo ID function to work.
- The photo ID will not appear if the caller disables his caller ID feature on his phone.

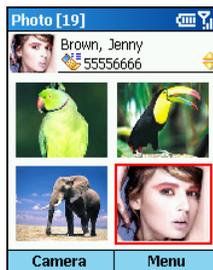
To assign a photo to a contact:

1. On the Home screen, press the **Start** soft key and select **Photo ID**.

The contact list appears on the screen. Default photo IDs are assigned to all contacts unless you change the settings.



2. Scroll to the desired contact entry.
3. To assign a photo for the contact, do one of the following:
 - To select from the existing photos, press the **Menu** soft key, and select **Edit** → **Assign Photo**. Scroll to select the desired photo.



- If you want to immediately take a photo to be assigned to the selected contact, press the **Camera** soft key. Frame your target in the viewing window, and press the **Shutter** soft key to take the photo. Press the **Save** soft key.

◀ **NOTE** ▶

- You can also assign a photo after opening the contact card. (See “Editing a Contact” later in this chapter.)
- For detailed information on taking a photo, see section 9.1.

4. After selecting a photo, the Frame screen appears. Scroll to select the desired flashing frames or the normal photo without a frame. You can also press the **Preview** soft key to preview the photo with the selected frame.

The photo you assigned for the contact now appears on the Photo ID main screen.



10.3 Working with Contacts Using Photo ID

Adding a Contact



1. On the Home screen, press the **Start** soft key and select **Photo ID**.
2. On the Photo ID main screen, press the **Menu** soft key and select **Edit** → **New**.
3. Scroll to **SIM Card** or **Contacts** as the location to save this contact, and press the **OK** soft key.
4. In **Photo**, scroll left/right to select a photo or press the Navigation stick to select from the full list.
5. Enter related information and phone numbers in the other input fields.
6. If you are adding a contact to **Contacts**, in **Custom ring tone**, scroll left/right to select a ring tone or press the Navigation stick to select from the full list.
7. If you want to assign the contact to a group, in **Group**, scroll left/right to select a contact group or press the Navigation stick to select from the full list.
8. If you are adding a contact to **Contacts**, you can press the **Menu** soft key and select **Edit More** to enter more information. Then press the **Done** soft key.
9. Press the **Done** soft key. The contact is now in your contact list.

Deleting a Contact

1. On the Home screen, press the **Start** soft key and select **Photo ID**.
2. On the Photo ID main screen, scroll to a contact to delete.
3. Press the **Menu** soft key and select **Edit** → **Delete**.

◀ NOTE ▶

- If you already open the contact card of the contact, press the **Menu** soft key and select **Delete**.

4. Press the **OK** soft key.

Editing a Contact



1. On the Home screen, press the **Start** soft key and select **Photo ID**.
2. Scroll to the contact to edit and press the Navigation stick to open the contact card.
3. Scroll to the entry that you want to edit.
4. Press the **Edit** soft key; or, press the **Menu** soft key and select **Edit**.
5. Make the changes and press the **Done** soft key.

Viewing Modes

Photo ID provides four viewing modes for you to view the contact information.

To change the viewing mode, press the **Menu** soft key on the Photo ID main screen and select **View Mode**, then your desired mode.



All Contacts [Detail]

By default, the screen displays the All Contacts [Detail] mode when you open Photo ID.

In this mode, the left column of the screen displays the default or assigned photos, and the right column the names and phone numbers of the contacts. If the contact is stored in the SIM card, the phone number is preceded by the  icon. If the contact is stored in your Smartphone, the phone number is preceded by the photo indicator such as .



All Contacts [List]

In this mode, the top of the screen displays the information of the selected contact. The middle of the screen displays the contact list with names and locations. If the contact is stored in the SIM card, the phone number is preceded by the  icon. If the contact is stored in your Smartphone, the phone number is preceded by the photo indicator such as .



Group Only [Detail]

In this mode, the screen displays the list of contact groups. (For information on groups, see the next section.)

The left column of the screen displays the photos of the contact groups, and the right column the group name, number of contacts in the group and ring tone.



Group Only [List]

In this mode, the top of the screen displays the information of the selected contact group. The middle of the screen displays the contact group list with group names and number of contacts in the group.

10.4 Working with Contact Groups

You can assign your contacts to different contact groups for efficient management. By default, Photo ID provides six contact groups, including Family, VIP, Friends, Colleagues, Business and Miscellaneous.

Assigning Group Members

You can assign a contact group when adding or editing a contact. You can also assign group members by the following procedure:

1. On the Photo ID main screen, press the **Menu** soft key and select **Manage Group**.
2. In the contact group list, scroll to the group to assign members.
3. Press the **Menu** soft key and select **Assign Members**.
4. Select the contacts as the members of the selected group and press the **Done** soft key.

Assigning a Group Photo

1. On the Photo ID main screen, press the **Menu** soft key and select **Manage Group**.
2. In the contact group list, scroll to the group to assign a photo.
3. Press the **Menu** soft key and select **Assign Photo**.
4. To assign a photo, follow the same procedures for assigning a photo to a contact as described previously.
5. Press the **OK** soft key. The photo you assign for the selected group is now on the screen.

When a contact in the group calls you and this contact does not have a personal photo assigned, the photo assigned to the group appears on the screen.

Assigning a Group Ring Tone

1. On the Photo ID main screen, press the **Menu** soft key and select **Manage Group**.
2. In the contact group list, scroll to the group to assign a ring tone.
3. Press the **Menu** soft key and select **Ring Tone**.
4. Scroll to the ring tone you want and press the **Done** soft key.

When a contact in the group calls you and this contact does not have a personal ring tone assigned, the ring tone assigned to the group plays.

◀ NOTE ▶

- Custom ring tone does not work for SIM card contacts.

Adding a Group

1. On the Photo ID main screen, press the **Menu** soft key and select **Manage Group**.
2. Press the **New** soft key.
3. Enter the name of the new contact group.
4. Press the **OK** soft key. The new group has been added to the bottom of the group list.

◀ N O T E ▶

- To rename a group, press the **Menu** soft key and select **Rename**.

Deleting a Group

1. On the Photo ID main screen, press the **Menu** soft key and select **Manage Group**.
2. In the contact group list, scroll to the group to delete.
3. Press the **Menu** soft key and select **Delete**.
4. Press the **OK** soft key to delete the selected group.

10.5 Photo ID Settings

To configure Photo ID, on the Photo ID main screen, press the **Menu** soft key and select **Settings**.

| Photo ID Settings | Description |
|-------------------------------------|---|
| Load from | Sets the location of data to be loaded. The options are SIM card & Contacts (default), SIM card , and Contacts . |
| Define left key function | Defines the function of the left soft key in Photo ID. The options are New , Assign Photo , and Camera (default). |
| Show photo for incoming call | Uncheck the box if you want to use the default Microsoft incoming call screen instead of Photo ID. |

11 More Programs

Several programs are provided to extend the capabilities and ease the use of your Smartphone.

◀ N O T E ▶

- Depending on the model/region of your purchase, the programs described in this chapter may or may not be available.
- For select models, the programs described in this chapter are preinstalled and ready for use.
- For select models, the programs described in this chapter are provided on the Bonus CD. (See the next chapter for information on the CD.)

11.1 Phone Explorer

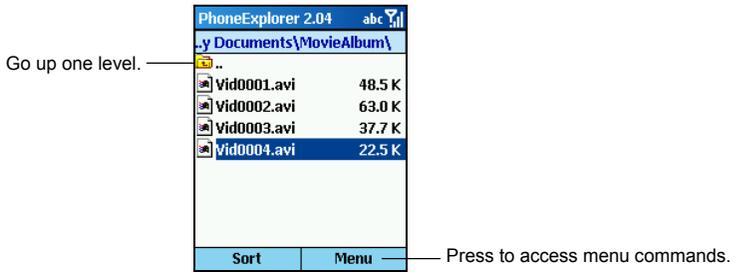
Phone Explorer allows you to explore and manage the folders and files in your Smartphone. You can add new folders, cut, copy, paste, rename and delete folder/files.

Opening Phone Explorer

On the Home screen, press the **Start** soft key and select **Accessories** → **Phone Explorer** to open Phone Explorer.

Displayed on the screen is the root directory of your Smartphone. Scroll up or down to select a file or folder. Press the Navigation stick to open the selected file or folder.

To go up one level, press the **Back** key or select the  icon and press the Navigation stick.



Phone Explorer displays the folder names, filenames, extension names and file sizes.

Browsing and Finding Files

After opening Phone Explorer, you can use one of the following methods to find a file:

- Use the navigation stick.
 - **Left:** to the previous page
 - **Right:** to the next page
 - **Up:** to the previous item
 - **Down:** to the next item
 - **Press:** Opening the selected program or folder
- Use number keys. You can enter the beginning letters of the filename to search the matching file in the current folder. As you start typing a few letters and pause, the highlight will be moved to the first matching file.

Sorting Order

Phone Explorer provides four sorting orders so you can browse your files in a systematic way.

Press the **Sort** soft key to select one of the options:

| Sorting order | Description |
|---------------|---|
| Name | By the order of filenames (default). Filenames and sizes are displayed. |
| Date | By the order of the dates. Filenames and dates are displayed. |
| Size | By the order of the file sizes. Filenames and sizes are displayed. |
| Type | By the order of file types. Filenames and types are displayed. |

Managing Files

Press the **Menu** soft key to use the menu commands as described below for managing your files:

| Phone Explorer menu command | Description |
|-----------------------------|---|
| New Folder | Adds a new folder in the current folder. Enter the folder name (1~255 characters). |
| Delete | Deletes the selected file or folder. |
| Rename | Renames the selected file or folder (1~255 characters). You cannot rename the extension name. |
| Cut | Cuts the selected file or folder for moving to or pasting in another folder. |
| Copy | Copies the selected file or folder for pasting in another folder. |
| Paste | Pastes the previously cut or copied file or folder to the current folder. |
| Properties | Displays the file properties such as type, location and size. |

◀ NOTE ▶

- Be careful when you delete files. Accidentally deleting essential program files can cause your Smartphone to malfunction.

11.2 Java Game

The Java program allows you to play Java games on the Smartphone.

Opening Java



On the Home screen, press the **Start** soft key and select **Java**.

You can use the following methods to install Java games:

- Run JAR files on the Smartphone.
- Use Internet Explorer to connect to the Internet and download JAD files through HTTP (WAP not supported).

◀ N O T E ▶

- Your Smartphone does not support the installation of Java games through the mobile phone network.

11.3 Task Manager

The Task Manager program is used to monitor the status of the memory usage of the programs installed in ROM of your Smartphone and also allows you to stop the program(s).

When you turn on the Smartphone and open the programs installed in ROM, all these programs reside in the background, taking up RAM space, even when you have exited and switched to another program. Usually, your Smartphone will automatically allocate the memory. In case insufficient memory problem occurs, you can use Task Manager to stop the program(s) for releasing some memory space. Follow this procedure to stop the program(s):

1. On the Home screen, press the **Start** soft key, select **Task Man.**
2. The list of the opened programs will be displayed on the screen. Press the Navigation stick to select the program that you want to stop. Then press the **Stop** soft key.
3. Press the **Menu** soft key and select **Hide** to exit and return to the previous screen. The Task Manager program will still monitor in the background.

◀ NOTE ▶

- Task Manager monitors the programs in ROM (such as core programs of Windows Mobile™ for Smartphone, Phone Camera, and Photo ID). It does not monitor programs installed by you (such as Phone Reader and Mobile Assistant).

12 Bonus CD

Programs described in this chapter are provided on the Bonus CD. You can install the program(s) that you want to use.

N O T E

- The Bonus CD is available for select models and/or regions only.
- Depending on the continuing developments of the product, the Bonus CD supplied with your Smartphone may be updated. Please visit the www.mio-tech.com website for the latest information.

12.1 Installing Bonus Programs

Some of the bonus programs have been preinstalled in your Smartphone, including:

- Task Manager
- Phone Explorer

The programs that are not installed are:

- Phone Reader
- Phone City
- MPEG4 Plug-in
- Mobile Assistant (to be installed on your desktop computer)
- User's Manual (to be copied to your desktop computer)

Use the Bonus CD to install a program. The installation procedure is as follows:

1. Connect your Smartphone to your desktop computer.
2. Insert the Bonus CD into the CD-ROM drive of your desktop computer.
3. The installation program on the CD will start automatically.
4. Select the desired language for the display.
5. Click **Next** on the welcome screen.
6. Click **Yes** to accept the license agreement.
7. Depending on your needs, select **Custom Install**, **Install All**, or **Typical Install** and click **Next**.
8. For **Custom Install only**:
If you selected **Custom Install** in the previous step, click **Next** to accept the destination folder, select the programs to install, and click **Next**.
9. Click **Next** for confirmation.
10. The installation progress will be displayed on the screen. Follow the on-screen instructions to complete the installation.

◀ NOTE ▶

- The installation requires some temporary storage space. If there is a problem of insufficient memory, stop all the other programs or reset your Smartphone before installation.
- For security concerns, your Smartphone has been locked, meaning you cannot install Microsoft-certified and Smartphone-compliant programs other than those provided on the Bonus CD. To unlock your Smartphone for installing other programs, please visit the www.mio-tech.com website for on-line unlocking.

12.2 Phone Reader

Phone Reader allows you to read electronic books in txt, html, pdb and prc formats on your Smartphone. It features bookmarks, favorites and auto sliding.

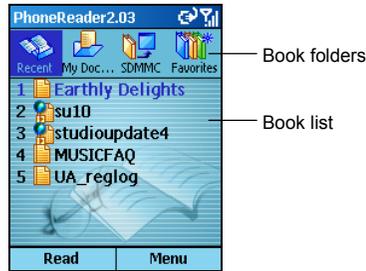
You can download files to your desktop computer or purchase electronic books. Use ActiveSync to copy the files to the \Storage\My Documents of your Smartphone or to a storage card.

Opening and Exiting Phone Reader

After installing Phone Reader (as described in section 12.1), on the Home screen, press the **Programs** soft key and select **Phone Reader** to open Phone Reader.

To exit Phone Reader, press the **Menu** soft key and select **Exit**.

Book Folders and Book Lists



When you open Phone Reader, you will see at the top of the screen four book folders. They are:

- **Recent** contains the documents you recently read.
- **My Documents** contains documents of all supported formats in the \Storage\My Documents folder.
- **SDMMC** contains documents of all supported formats in the storage card.
- **Favorites** contains documents you have added to the Favorites.

In the middle of the screen is the book list of the selected book folder. Each book is labeled with a number, icon and filename. When you see **More** on the screen, select **More** to scroll to the next page of the book list.

Reading a Book

To read a book:

1. Open Phone Reader.
2. Scroll left/right using the Navigation stick to select the desired book folder.
3. Scroll up/down using the Navigation stick or press the number of the desired document in the book list to select the book to open.
4. Press the Navigation stick or **Read** soft key to open the book.



After opening a book, you can:

- Scroll up/down to move up or down one line.
- Scroll right/left to scroll to the previous or next page.
- Press the **Menu** soft key and select **Goto** to quickly reach a specific page. Enter the number in the input field and press the **Done** soft or Navigation stick to go to the page.
- Press the **Menu** soft key and select **Full screen** to read the book in full screen. Press the Navigation stick to end the full screen reading.
- Press the **Slide** soft key to allow Phone Reader to turn the pages automatically according to the slide settings. (You can adjust the time interval between page turning. For details, see the instructions later on.) To stop the sliding, press the **Stop** soft key.
- Use the available menu commands. (See later instructions.)

Using Bookmarks

When a document is open, you can press the **Menu** soft key and select **Set bookmark** to set a bookmark so you can conveniently jump to a specific page later on. Only one bookmark is accepted by one document; that is, a newly set bookmark will replace the old one.

When you open the same document next time, you can press the **Menu** soft key and select **Goto bookmark** to quickly reach the page with the bookmark.

Adding Phone Reader Favorites

Phone Reader provides a Favorites folder for you to store your favorite books.

When the desired document is open, press the **Menu** soft key and select **Add to favorites** to add the document in your Favorites folder.

Phone Reader Menu

In Phone Reader, you can press the **Menu** soft key to access the menu commands as described below:

| Phone Reader menu command | Description |
|------------------------------|--|
| Add to Favorites | Adds the selected document to the Favorites folder. |
| Delete from Favorites | Deletes the selected document from the Favorites folder. |
| Delete | Deletes the selected document. |
| Settings | Customizes Phone Reader (as described earlier). |
| Exit | Closes the program. |

Phone Reader Settings

Press the **Menu** soft key and select **Settings** to access the options as described below:

| Phone Reader Settings | Description |
|-------------------------------|---|
| Code type | The options are Unicode , Chinese(Big 5) and Chinese(GB) . |
| Font size | The options are Small , Middle (default) and Large . |
| Font | Allows you to select the desired font to be displayed. |
| Font color | Allows you to select the desired font color from a total of 16 colors to be displayed. |
| Background color | Allows you to select the desired background color from a total of 16 colors. |
| Slide page interval | Sets the time interval for the sliding feature. The options are between 1 to 60 seconds (default is 5). |
| Remember last position | Sets if Phone Reader will save the progress of your reading so that when you open the same document next time, you will be lead to the page where you left off. |

12.3 Phone City

Phone City gives you a glance of the current time in five different cities.



After installing Phone City (as described in section 12.1), on the Home screen, press the **Start** soft key and select **Phone City** to open Phone City.

By default, five standard-style clocks appear on the screen. The biggest clock numbered 1 shows the time of the main city. The remaining four clocks numbered 2 to 5 show the time of the other cities.

You can press a number key to adjust the time of the corresponding city. When you change the time of a city, the time of the other cities will automatically change, too.

◀ NOTE ▶

- You can scroll left/right with the Navigation stick to change the color of the clock hands.

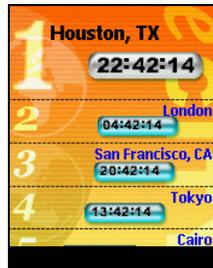
To exit the program, press the left soft key (not displayed on the screen).

Changing the Clock Style

Phone City provides three different styles for you to select. Press the right soft to select among **Standard** (default), **Fashion**, and **Digital**.



Fashion



Digital

Selecting Cities

You can select your own five cities to be displayed on the screen from a list of 472 cities.

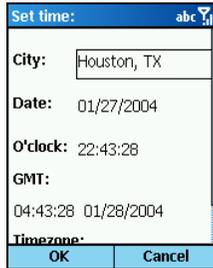
1. On the Phone City main screen, press the **Menu** soft key (right soft key, not displayed on the screen) and select **Location**.
2. The screen displays the information of the five cities. Scroll to a city number.



3. To change the city corresponding to the number, use one of the following methods:
 - Scroll left/right with the Navigation stick.
 - Press the Navigation stick to select from the full list. Scroll up/down to select a city. To go to the previous or next page, scroll left/right.
 - You can also enter text to search the city. As you input text, a small box appears on the screen to show your input and the highlight moves to the first city name that matches your input.
4. Press the **Done** soft key to save your changes.

Adjusting the Time

1. On the Phone City main screen, press the **Menu** soft key (right soft key, not displayed on the screen) and select **Set time**.



2. Scroll to an item for setting. The items are:
 - **City** Select one of the five cities that you want to adjust the time for. Scroll left/right to select or press the Navigation stick to select from the full list.
 - **Date** Scroll left/right to move among the month, day and year fields. Press the number keys to enter the values.
 - **O'clock** Scroll left/right to move among the hour, minute, and second fields. Press the number keys to enter the values.These items are also displayed, but not adjustable:
 - **GMT** displays the GMT time.
 - **Timezone** displays the time zone of the selected city.
3. When completed, press the **Done** soft key to save your changes.

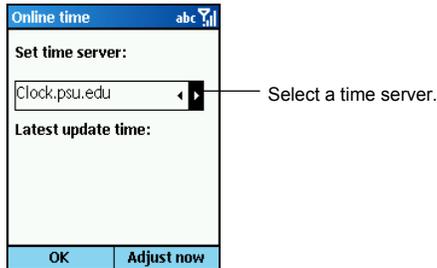
◀ NOTE ▶

- When you adjust the time of a city, the time of the other cities are changed accordingly.

Synchronizing GMT

To keep accurate time on your Smartphone, you can connect to a time server for synchronizing the Greenwich Mean Time of your Smartphone. Phone City allows you to connect to one of 19 default time servers.

1. Connect your Smartphone to the Internet.
2. On the Phone City main screen, press the **Menu** soft key (right soft key, not displayed on the screen) and select **Online Time**.



3. Select the server you want to connect to.
4. Press the **Adjust now** soft key to synchronize the time.
5. Press the **OK** soft key to return to the previous screen.

◀ NOTE ▶

- When you open the timer server list, you have the chance to add a new time server. To do so, press the **Menu** soft key, select **Add**, enter the server name in the box, and press the **Done** soft key.

12.4 MPEG4 Plug-in

After installing MPEG4 Plug-in (as described in section 12.1), you can use Windows Media Player on your desktop computer to open the video files recorded by your Smartphone.

12.5 Mobile Assistant

Mobile Assistant provides the convenience of using your desktop computer to manage the data in your Smartphone. It consists of six profiles: Contacts, SMS, Ring, Photo, Video, and Setting. You can easily add, delete, edit, and transfer specific information using the user-friendly interface on your desktop computer.

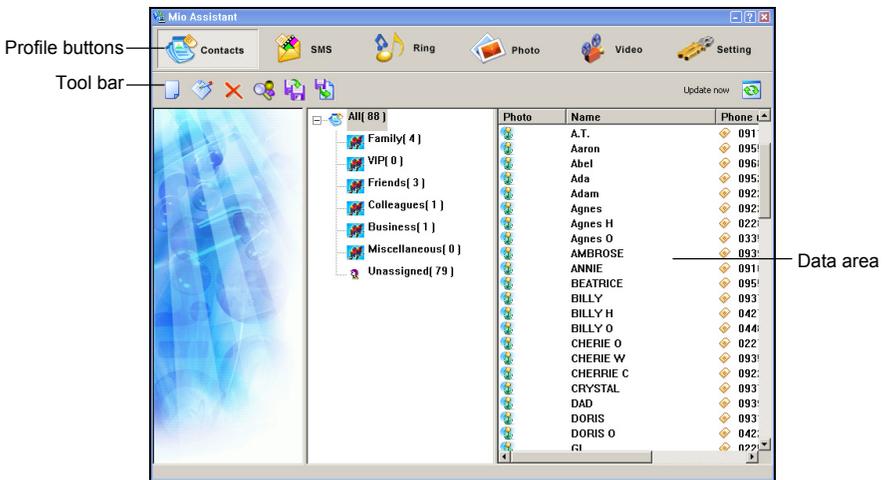
NOTE

- Your desktop computer must have Windows Media Player 9.0 or later for Mobile Assistant to work properly.
- Mobile Assistant does not support Windows 98.

Starting Mobile Assistant

After installing Mobile Assistant (as described in section 12.1), the Mobile Assistant shortcut  is created on the desktop of your computer. To use Mobile Assistant:

1. Connect your Smartphone to your desktop computer using ActiveSync.
2. Double-click the shortcut  to open Mobile Assistant.



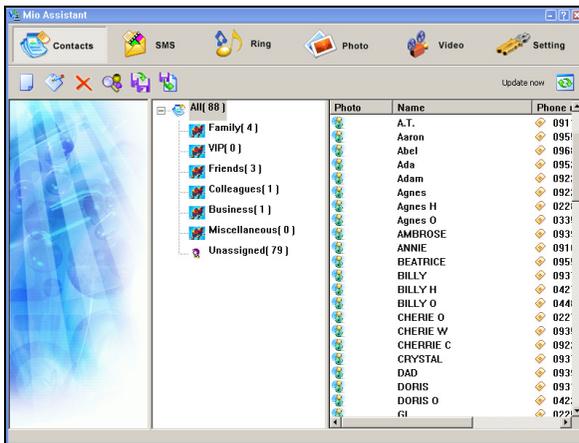
The Mobile Assistant screen contains three major areas:

- Profile buttons: At the top of the screen are six buttons representing the six profiles.
- Tool bar: The tool bar displays tools such as **Add** and **Delete** available for the current profile. At the right is the **Update now** button  for refreshing data on your Smartphone.
- Data area: The data area displays specific data in your Smartphone. Depending on the current profile, a file explorer and Media Player may also appear.

Using Contacts Profile

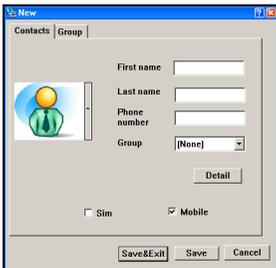
Contacts Profile is the PC version of the Photo ID program on your Smartphone. (For information on Photo ID, see Chapter 10.)

Whenever you start Mobile Assistant, the default profile in use is the Contacts Profile. You can click the  **Contacts** button to switch to this profile. The program will load the contacts stored both in your SIM card and your Smartphone's memory. The center column displays the contact groups and the number of contacts in each group. The right column displays the contact details of the selected contact group in the alphabetic order.



With this profile, you can add, delete, edit, and search contacts in your Smartphone. You can also backup all contacts to your desktop computer and then restore them.

Adding a New Contact



1. Click the **New** icon  on the tool bar.
2. Enter the first name, last name, and phone number.
3. You can assign this contact to a group if you want.
4. Check where to store the information: **Sim** (SIM card) or **Mobile** (Smartphone's memory).
5. If storing the information to Smartphone's memory, you can click **Detail** to enter more information.
6. Click **Save** to save the contact and continue adding another contact or click **Save&Exit** to save the contact and return to the main screen.

Contacts Tools

| Tool | Description |
|--|---|
|  Add | Adds a new contact or group. |
|  Edit | Select a contact from the right column to edit and click the Edit button  . |
|  Delete | Select a contact from the right column to delete and click the Delete button  . |
|  Search | Click the Search button  to open the Search dialog box. In Input name , enter the name of the contact. Click Next or press the Enter key to start searching. If the contact is found, the screen will display the name and phone number of the contact. You can enter only the first few letters of the name for the search to start. If the contact found is not what you want, click Next to continue searching. |
|  Backup | Click the Backup button  to open the Backup dialog box. In Name , enter a filename for the backup archive and click Save . |
|  Restore | Click the Restore button  to open the Restore dialog box. In Name , select the archive filename and click Restore . |

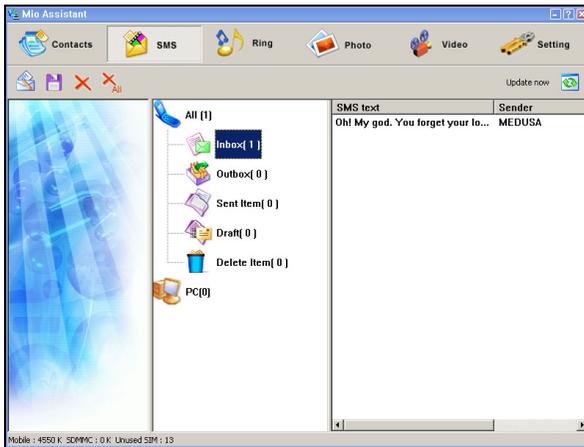
◀ NOTE ▶

- You can also use the right-click menu to access some of the above functions.

Using SMS Profile

SMS Profile allows you to view the SMS messages on your Smartphone. You can also add, save, and delete SMS messages using this profile.

After starting Mobile Assistant, click the  **SMS** button to use the SMS Profile. The program will load the SMS messages stored on your Smartphone. The center column displays the folders for SMS messages and the number of messages in each folder. The right column displays the message list of the selected folder.



Creating a New SMS Message

You can create and send an SMS message using the SMS Profile.



1. Click the **New** button  on the tool bar.
2. In **Receiver**, enter the mobile phone number of the message receiver. Or, you can click **Receiver** to select the receiver from the contact list.
3. In **SMS text**, enter the message.
4. Click **Send** to immediately send your message.

◀ NOTE ▶

- All SMS messages created in SMS Profile will be saved as a log file on your desktop computer.

SMS Tools

| Tool | Description |
|---|---|
|  New | Allows you to create a new SMS message and send it via Smartphone. |
|  Save to | Select the message(s) from the right column to save and click the Save to button  . Then enter the filename and click Save . The file will be saved as a text file on your desktop computer. |
|  Delete | Select the message from the right column to delete and click the Delete button  . |
|  Delete all | Click the Delete all button  to delete all messages of the selected folder. |

◀ N O T E ▶

- You can also use the right-click menu to access some of the above functions.

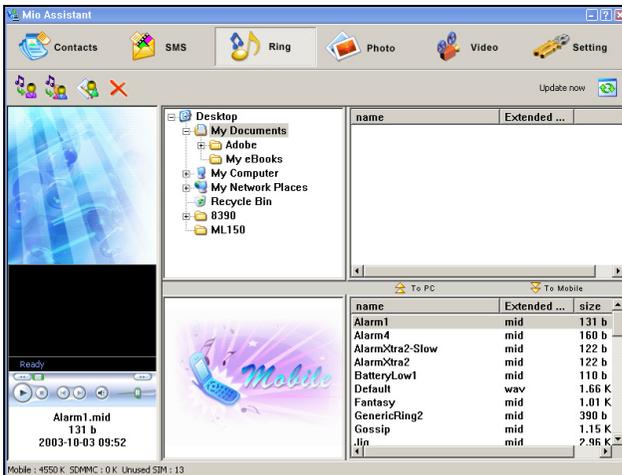
Using Ring Profile

Ring Profile allows you to easily copy audio files from your desktop computer to your Smartphone and vice versa. You can also specify a sound for an event and for a contact group using Ring Profile.

After starting Mobile Assistant, click the  **Ring** button to switch to Ring Profile. The program will load the ring tone files on your Smartphone.

The Ring Profile screen is divided into three major areas.

- PC data area: The upper right area displays the file explorer of your desktop computer. Only audio files in .wav, mid, .wma, and .mp3 formats are displayed.
- Smartphone data area: The lower right area displays the ring tone list on your Smartphone.
- Windows Media Player: The lower left corner contains the Windows Media Player and properties information of the selected file.



Playing Audio Files

You can select any audio file in your desktop computer or in your Smartphone and then play the file using Windows Media Player at the bottom left corner.

Transferring Audio Files

You can copy audio files from your desktop computer to your Smartphone and vice versa.

After selecting your source file, you can:

- Click  to copy the selected file from your desktop computer to your Smartphone.
- Click  to copy the selected file from your Smartphone to the current folder of your desktop computer.

You can also copy files by drag-and-drop.

Ring Tools

| Tool | Description |
|--|--|
|  Set mobile ringtone | Click the Set mobile ringtone button  on the tool bar to open the setting dialog box. You can specify the sounds for ring tones, reminders, new messages, alarm clock, and etc. When completed, click OK . |
|  Set group ringtone | Click the Set group ringtone button  on the tool bar to open the setting dialog box. Select a ring tone for a group (as defined by Photo ID). When completed, click OK . |
|  Rename | Select the ring tone file to rename and click the Rename button  . |
|  Delete | Select the ring tone file to delete and click the Delete button  . |

◀ NOTE ▶

- You can also use the right-click menu to access some of the above functions.

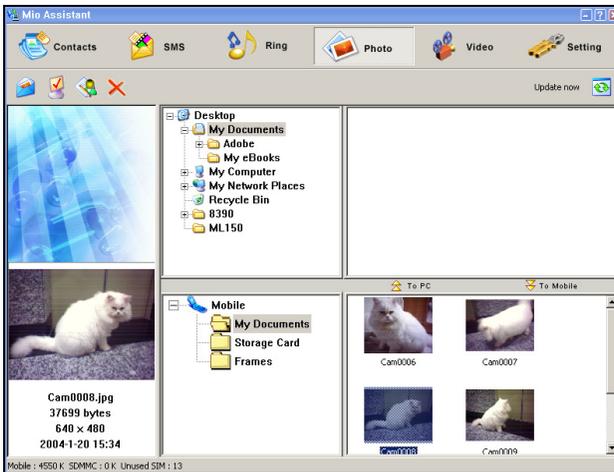
Using Photo Profile

Photo Profile allows you to view the photos (image files) in both your Smartphone and desktop computer. You can also easily copy image files from your Smartphone to your desktop computer and vice versa.

After starting Mobile Assistant, click the **Photo**  button to switch to Photo Profile. The program will load the image files on your Smartphone.

The Photo Profile screen is divided into three major areas.

- PC data area: The upper right area displays the file explorer of your desktop computer with thumbnails view. Only image files in .jpg, gif, and .bmp formats are displayed.
- Smartphone data area: The lower right area displays the image files on your Smartphone. The left part displays the folder list and the right part displays the thumbnails of the selected folder.
- Preview window: The lower left corner displays the selected image and its properties.



Viewing an Image File

When you click an image file either in your desktop computer or in your Smartphone, the image and its properties are displayed at the bottom left corner.

Transferring Image Files

You can copy image files from your Smartphone to your desktop computer and vice versa.

After selecting your source file, you can:

- Click  **To Mobile** to copy the selected file from your desktop computer to your Smartphone.
- Click  **To PC** to copy the selected file from your Smartphone to the current folder of your desktop computer.

You can also copy files by drag-and-drop.

Photo Tools

| Tool | Description |
|--|--|
|  Mail to | To send the selected image file via e-mail, click the Mail to button  . |
|  Set for wallpaper | To set the selected image file as the background image of your Smartphone, click the Set for wallpaper button  . |
|  Rename | Select the image file to rename and click the Rename button  . |
|  Delete | Select the image file to delete and click the Delete icon  . |

◀ NOTE ▶

- You can also use the right-click menu to access some of the above functions.

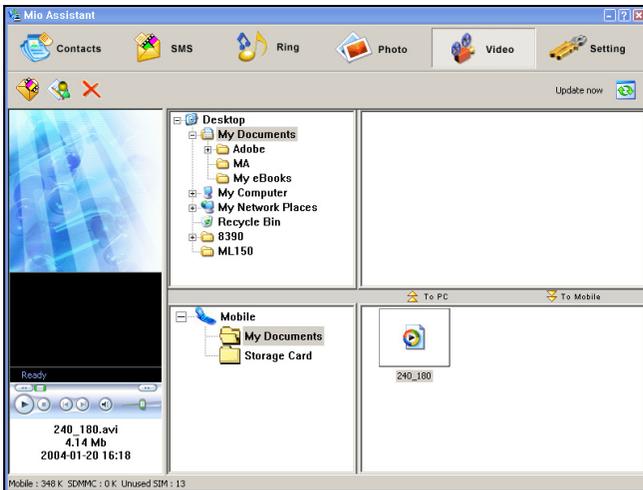
Using Video Profile

Video Profile allows you to play the videos in both your Smartphone and desktop computer. You can also easily copy video files from your Smartphone to your desktop computer and vice versa.

After starting Mobile Assistant, click the  **Video** button to switch to Video Profile. The program will load the video files on your Smartphone.

The Video Profile screen is divided into three major areas.

- PC data area: The upper right area displays the file explorer of your desktop computer in thumbnails view. Only video files in Windows Media and MPEG4 formats are displayed.
- Smartphone data area: The lower right area displays the video files on your Smartphone. The left part displays the folder list and the right part displays the thumbnails of the selected folder.
- Windows Media Player: The lower left corner contains the Windows Media Player and properties information of the selected file



Playing Video Files

You can select any video file in your desktop computer or in your Smartphone and then play the file using Windows Media Player at the bottom left corner.

Transferring Video Files

You can copy video files from your desktop computer to your Smartphone and vice versa.

After selecting your source file, you can:

- Click  **To Mobile** to copy the selected file from your desktop computer to your Smartphone.
- Click  **To PC** to copy the selected file from your Smartphone to the current folder of your desktop computer.

You can also copy files by drag-and-drop.

Video Tools

| Tool | Description |
|--|---|
|  Mail to | To send the selected video file via e-mail, click the Mail to button  . |
|  Rename | Select the video file to rename and click the Rename button  . |
|  Delete | Select the video file to delete and click the Delete button  . |

◀ NOTE ▶

- You can also use the right-click menu to access some of the above functions.

Using Settings Profile

The Settings Profile allows you to customize several Smartphone settings.

After starting Mobile Assistant, click the  **Setting** button to switch to Settings Profile. The available setting items are:

| Tool | Description |
|--|---|
|  Owner information | Allows you to enter your personal information, including your name, telephone number and e-mail address. |
|  IE favorite | Allows you to edit the Favorites list of Internet Explorer. |
|  Profile | Allows you to back up the current Smartphone setting values to your desktop computer as a profile. You can then restore or delete the backup profile. |
|  Mobile operator | Allows you to install the mobile phone network settings. Select your mobile phone network operator and click OK . |
|  Default setting | Restores the default settings for Owner information , IE favorite , Profile and Mobile operator . |

Part III

References

13 References

This chapter provides the reference information.

13.1 Product Specifications

| Component | Specification |
|-----------------------|--|
| CPU | Intel PXA 262 200MHz |
| Operating System | Windows Mobile™ Smartphone 2003 Second Edition |
| Memory | <ul style="list-style-type: none">– 32MB ROM (The available space for the end user is approximately 15MB. The available space depends on the programs installed.)– 32MB SDRAM |
| Display | 2.2-inch Transflective color LCD display, 65K color, 176x220 resolution, with backlight |
| AC Adapter | 100~240V, 1A |
| Battery | 1050mAh |
| Standby Time | Up to 100 hours |
| Talk Time | Up to 3 to 4 hours |
| WAN Function | <ul style="list-style-type: none">– GSM900, supports GSM, 1800 (DCS), 1900 (PCS)– GPRS Class B device– SMS/MMS over GPRS |
| I/O Function | <ul style="list-style-type: none">– Microphone– Speaker– USB 1.1 slave (for ActiveSync)– IrDA (SIR 1.2, 115.2kbps)– SD/MMC card slot |
| Camera | Fixed CMOS camera, 300K pixel, VGA |
| Dimension (W x H x L) | 49.5 x 20.8 x 109.8 mm |
| Weight | 120 g |

◀ NOTE ▶

- The specifications are subject to change without notice.
- The standby and talk time may vary according to different situations.

13.2 Frequently-asked Questions

| Problem | Solution |
|-------------------------------|--|
| Power doesn't turn on. | <ul style="list-style-type: none">• The remaining battery power may be too low to start up your Smartphone.• If you use the external AC power, make sure that the AC adapter is firmly and correctly connected.• Remove the battery and replace it. Then turn on the Smartphone again. |
| Cannot make a call. | <ul style="list-style-type: none">• Make sure that the phone function is turned on.• Make sure that you are within the range of the mobile phone network service.• Make sure that the keypad lock is disabled.• Make sure that you dial the correct number. |
| No ring tone | <ul style="list-style-type: none">• Check the sound volume.• Make sure that your Smartphone is not muted. |
| Poor signal quality | <ul style="list-style-type: none">• If you are inside a building, move near a window or go outside.• If you are in a reinforced structure, such as an elevator or parking garage, wait until you are outside to try your call. |
| Memory Problems | <ul style="list-style-type: none">• If a warning message of insufficient memory appears, try to remove programs you no longer need.• If the running programs are occupying large memory, reset the Smartphone. |

13.3 Restoring Factory Default State

⚠ CAUTION ⚠

- You are recommended to ask your local dealer for service. Avoid restoring factory default state by yourself.

In some cases, you may need to restore your Smartphone to the factory default state by clearing the memory (RAM) from your Smartphone. For example, you should clear the memory:

- When your Smartphone cannot be turned on.
- When you forget your password.
- When you want to remove the add-on software.
- When you wish to return, dispose of, or sell your Smartphone.

Clearing the memory means all data you have entered in RAM, including all files, system settings and additional programs you have installed, will be erased.

Follow this procedure to clear the memory from your Smartphone:

1. To keep the data stored in your Smartphone, back up your data to your desktop computer using ActiveSync, and restore it after the memory is cleared.
2. Connect the AC adapter, and disconnect all other cables.
3. Make sure that your Smartphone is turned off.
4. Press and hold the Volume control. When holding it, press and hold the **End** key  for four seconds to turn on your Smartphone, and then let go of the **End** key .
5. After the Smartphone vibrates twice, you can let go of the Volume control.
6. Your Smartphone will turn on after about two minutes.
7. Re-install the add-on software, if necessary.
8. Restore your backup, if necessary.

13.4 Regulatory Information

◀ NOTE ▶

- Marking labels located on the exterior of your device indicate the regulations that your model complies with. Please check the marking labels on your device and refer to the corresponding statements in this chapter. Some notices apply to specific models only.

European Notice

Products with the CE marking comply with the Radio & Telecommunication Terminal Equipment Directive (1999/5/EEC), the Electromagnetic Compatibility Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) – as amended by Directive 93/68/ECC - issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

- 1999/5/EEC Radio & Telecommunication Terminal Equipment Directive (R&TTE)
EN 301 511
Specific Absorption Rate (SAR)
Standard: EN 50360, EN 50361
- 73/23/EEC Low Voltage Directive (LVD)
Standard: EN 60950:2000
- 89/336/EEC Electromagnetic Compatibility (EMC-Directive)
Standard: EN 301489-1/7

The manufacturer cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with the CE Marking.

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