User Manual

Congratulations on the purchase of your new Windows Mobile®
Smartphone!

Please Read Before Proceeding.

THE BATTERY IS NOT FULLY CHARGED WHEN YOU TAKE IT OUT OF THE BOX.

DO NOT REMOVE THE BATTERY PACK WHEN THE DEVICE IS CHARGING.

YOUR WARRANTY IS INVALIDATED IF YOU OPEN OR TAMPER WITH THE DEVICE'S OUTER CASING.

PRIVACY RESTRICTIONS
Some countries require full disclosure of recorded telephone conversations, and stipulate that you must inform the person with whom you are speaking that the conversation is being recorded. Always obey the relevant laws and regulations of your country when using the recording feature of your phone.

Important Health Information and Safety Precautions

When using this product, the safety precautions below must be taken to avoid possible legal liabilities and damages.

Retain and follow all product safety and operating instructions. Observe all warnings in the operating instructions on the product.

To reduce the risk of bodily injury, electric shock, fire and damage to the equipment, observe the following precautions.

ELECTRICAL SAFETY

This product is intended for use when supplied with power from the designated battery or power supply unit. Other usage may be dangerous and will invalidate any approval given to this product.

SAFETY PRECAUTIONS FOR PROPER GROUNDING INSTALLATION

CAUTION – Connecting to an improperly grounded equipment can result in an electric shock to your device.

This product is equipped with a USB cable for connecting the product to a desktop or notebook computer. Be sure your computer is properly grounded (earthed) before connecting the product to the computer. The power supply cord of a desktop or notebook computer has an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.

SAFETY PRECAUTIONS FOR POWER SUPPLY UNIT

• **Use the correct external power source**

A product should be operated only from the type of power source indicated on the electrical ratings label. If you are not sure of the type of power source required, consult your authorized service provider or local power company. For a product that operates from battery power or other sources, refer to the operating instructions that are included with the product.

• Handle battery packs carefully

This product contains a Li-Ion/Li-Ion Polymer battery. There is a risk of fire and burns if the battery pack is handled improperly. Do not attempt to open or service the battery pack. Do not disassemble, crush, puncture, short external contacts or circuits, dispose of in fire or water, or expose a battery pack to temperatures higher than 60˚C (140˚F).

WARNING!

Danger of explosion if battery is incorrectly replaced. To reduce risk of fire or burns, do not disassemble, crush, puncture, short external contacts, expose to temperature above 60ºC (140ºF), or dispose of in fire or water. Replace only with specified batteries. Recycle or dispose of used batteries according to the local regulations or reference guide supplied with your product.

Li-ion

SAFETY PRECAUTIONS FOR DIRECT SUNLIGHT

Keep this product away from excessive moisture and extreme temperatures. Do not leave the product or its battery inside a vehicle or in places where the temperature may exceed 60°C (140°F), such as on a car dashboard, window sill, or behind a glass that is exposed to direct sunlight or strong ultraviolet light for extended periods of time. This may damage the product, overheat the battery, or pose a risk to the vehicle.

PREVENTION OF HEARING LOSS
CAUTION –Permanent hearing loss may occur if earphones or headphones are used at high volume for prolonged periods of time.

NOTE: For France, Headphones, Earphones, and Wired Remote Controller (listed below) for this device have been tested to comply with the Sound Pressure Level requirement laid down in the applicable NF EN 50332-1:2000 and NF EN 50332-2:2000 standards as required by French Article L. 5232-1.

1. Earphone, manufactured by HTC or Cotron, Models CHM-60STV07002.

SAFETY IN AIR CRAFTS
Due to the possible interference caused by this product to an aircraft's navigation system and its communications network, using this device's phone function on board an airplane is against the law in most countries. If you want to use this device when on board an aircraft, remember to turn off your phone by switching to Flight Mode.

ENVIRONMENT RESTRICTIONS
Do not use this product in gas stations, fuel depots, chemical plants or where blasting operations are in progress, or in potentially explosive atmospheres such as fuelling areas, fuel storehouses, below deck on boats, chemical plants, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Please be aware that sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

EXPLOSIVE ATMOSPHERES

When in any area with a potentially explosive atmosphere or where flammable materials exist, the product should be turned off and the user should obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised not to use the equipment at refueling points such as service or gas stations, and are reminded of the need to observe restrictions on the use of radio equipment in fuel depots, chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. These include fueling areas, below deck on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.

ROAD SAFETY

Vehicle drivers in motion are not permitted to use telephony services with handheld devices, except in the case of emergency. In some countries, using hands-free devices as an alternative is allowed.

SAFETY PRECAUTIONS FOR RF EXPOSURE

- Avoid using your device near metal structures (for example, the steel frame of a building).

- Avoid using your device near strong electromagnetic sources, such as microwave ovens, sound speakers, TV and radio.

- Use only original manufacturer-approved accessories, or accessories that do not contain any metal.

- Use of non-original manufacturer-approved accessories may violate your local RF exposure guidelines and should be avoided.

INTERFERENCE WITH MEDICAL EQUIPMENT FUNCTIONS
This product may cause medical equipment to malfunction. The use of this device is forbidden in most hospitals and medical clinics.

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn the phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

HEARING AIDS
Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider, or call the customer service line to discuss alternatives.

NONIONIZING RADIATION
This product should be operated in the suggested normal condition only to ensure the radiative performance and safety of the interference. As with other mobile radio transmitting equipment, users are advised that for satisfactory operation of the equipment and for the safety of personnel, it is recommended that no part of the human body be allowed to come too close to the antenna during operation of the equipment.

General Precautions

• Heed service markings

Except as explained elsewhere in the Operating or Service documentation, do not service any product yourself. Service needed on components inside the device should be done by an authorized service technician or provider.

• Damage requiring service

Unplug the product from the electrical outlet and refer servicing to an authorized service technician or provider under the following conditions:

- • Liquid has been spilled or an object has fallen into the product.
- • The product has been exposed to rain or water.
- • The product has been dropped or damaged.
- • There are noticeable signs of overheating.
- • The product does not operate normally when you follow the operating instructions.

• Avoid hot areas

The product should be placed away from heat sources such as radiators, heat registers, stoves, or other products (including, but limited to, amplifiers) that produce heat.

• Avoid wet areas

Never use the product in a wet location.

• Avoid using your device after a dramatic change in temperature

When you move your device between environments with very different temperature and/or humidity ranges, condensation may form on or within the device. To avoid damaging the device, allow sufficient time for the moisture to evaporate before using the device.

NOTE: When taking the device from low-temperature conditions into a warmer environment or from high-temperature conditions into a cooler environment, allow the device to acclimate to room temperature before turning on the power.

• Avoid pushing objects into product

Never push objects of any kind into cabinet slots or other openings in the product. Slots and openings are provided for ventilation. These openings must not be blocked or covered.

• Mounting Accessories

Do not use the product on an unstable table, cart, stand, tripod, or bracket. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

• Avoid unstable mounting

Do not place the product with an unstable base.

• Use product with approved equipment

This product should be used only with personal computers and options identified as suitable for use with your equipment.

• Adjust the volume

Turn down the volume before using headphones or other audio devices.

• Cleaning

Unplug the product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning, but NEVER use water to clean the LCD screen.

Contents

Chapter 1

Getting Started

1.1 Getting to Know Your Phone and Its Accessories
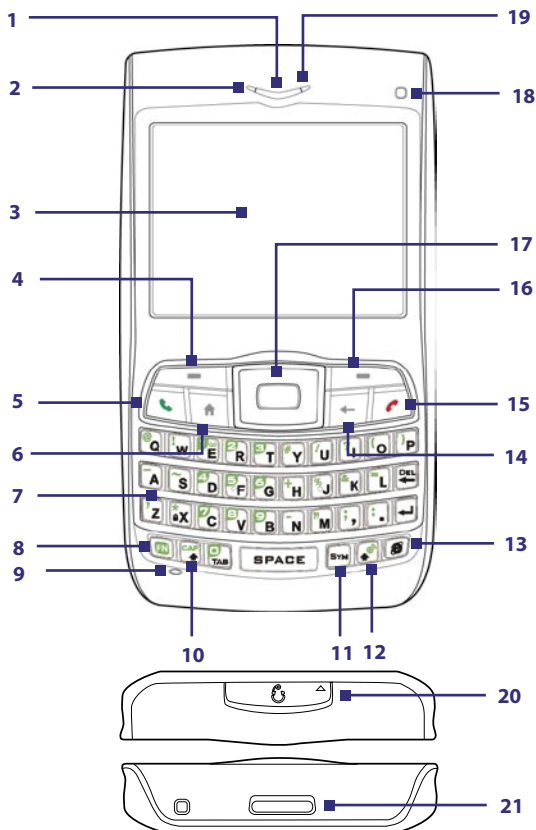
Item	Function
1. Speaker	Listen to a phone call.
2. LED Indicator	This indicator (green/red/amber) notifies you of the battery and network status of your phone.
3. Display Screen	
4. Left SOFT KEY	Press to perform the command shown in the label above the button.
5. TALK	Press to dial a phone number, answer a call, switch to another call, or put a call on hold. Press and hold to activate/deactivate speakerphone mode.
6. HOME	Press to go to the Home Screen.
7. QWERTY Keyboard	This is similar to a standard keyboard on a PC.
8. FN Key	Press once to let you type symbols (characters in green) and enter numbers in text fields. Press two more times for continuous symbol or number entries.
9. Microphone	Speak into the microphone when receiving or making a phone call or during voice recording.
10. CAP Key	Press to type a single capital letter. Press the FN key, then this key to type in all caps.
11. SYM Key	Press to open the Symbol table.
12. Key	Press the FN key and this key to open Comm Manager.
13. Key	Press to open Internet Explorer Mobile.
14. BACK	Press to go to the previous screen, or backspace over characters.
15. END	Press to end a call, or press and hold to lock the phone.
16. Right SOFT KEY	Press to perform the command shown in the label above the button.
17. NAVIGATION CONTROL/CENTER OK	Use to scroll left, right, up, or down. Press the center to use as the CENTER OK button.

Item	Function
18. Light Sensor	Dark conditions sensed here will activate a backlight under the keyboard.
19. LED Indicator	This indicator (blue/green/amber) notifies you of Bluetooth and Wi-Fi connectivity status.
20. Sync Connector/ Earphone Jack	Pry open the plastic cover to connect the USB cable to synchronize data or recharge the battery. You can also connect the earphone to listen to audio media or use the phone's hands-free kit.
21. Release Lock	Press to release the back cover lock.

Item	Function
22. Speakers	Listen to audio media or a phone call when using speakerphone mode.
23. Camera Lens	
24. Self-Portrait Mirror	Turn the back side of your phone to face yourself so that your image reflects on the mirror when taking self-portrait shots.
25. POWER	Press (more than 1 second) to turn on and off the phone. Or press and quickly release the POWER button to display the Quick List, which allows you to change profiles, open Comm Manager, and enable/disable key lock and enable/disable device lock.
26. microSD slot	Pry open the plastic cover to insert a microSD card.
27. VOICE RECORDER/VOICE RECOGNITION	Press to open the voice recognition program; Press and hold to open Voice Notes.
28. Car Antenna Connector	Lets you attach your phone to the car antenna for better network reception. Remove the back cover, then peel off the rubber cap and connect the antenna jack.
29. Back Cover	Remove to insert battery and USIM/SIM card.
30. CAMERA	Press to open the Camera program.
31. JOGGR	Depending on the selected JOGGR function, slide the middle part up or down to adjust the volume or to go through the items on-screen. **A** Double-click to go back to the previous screen. **B** Slide up or down to scroll up/down or adjust the volume. Double-click to select an item. **C** Double-click to open the Messaging program. Click **Start > Settings > JOGGR** to set the appropriate function the JOGGR will be used for. Clear the **Enable JOGGR** box to disable the JOGGR. You can only open the tutorial with 3 clicks if you set the **Function** to either **Scroll** or **Adjust volume**.

LED indicator lights

Various colors that might display in the two LED Indicators are summarized here.

Left LED	Status
Solid green	Battery is fully charged.
Blank	Battery case is empty, no USIM/SIM card inserted or phone is off.
Solid amber	Battery is charging or the phone is using ActiveSync to synchronize with a PC.
Solid red	Battery is not installed or battery is over-discharged.
Blinking green	Connected to the network.
Blinking red	Battery very low (less than 10%).
Blinking amber	Battery temperature is hotter or colder than the functional limits of 0 to 48 degrees Celsius (32 to 118 degrees Fahrenheit), and has stopped charging.
Amber/Green LED off	Battery fault. The "Battery Fault" indicator ( ) is displayed. In this case, the blinking green LED can be recovered by unplugging the AC adapter.
Right LED	**Status**
Blinking blue	Bluetooth mode set to "On" or "Visible" mode.
Blinking green	Connected to Wi-Fi network.

Accessories

The following accessories are provided with the phone:
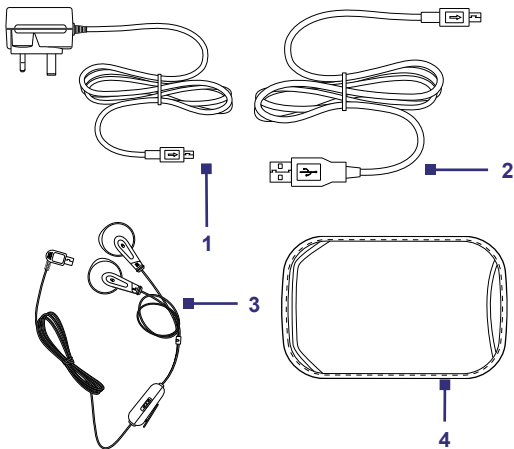
Accessory	Function
1. AC adaptor	Recharge the phone battery.
2. USB cable	Connect your phone to a PC and synchronize data.
3. Stereo headset	Provide a volume control slider and a TALK/END button. You can press the button to pick up a call or put a call on hold or press and hold the button to end the call. Plug into earphone jack to listen to audio files.
4. Pouch	Store your phone in the pouch to keep it away from dust and prevent scratches.

1.2 Inserting the USIM/SIM Card

Your USIM (Universal Subscriber Identity Module) or SIM (Subscriber Identity Module) card is given to you by your wireless service provider and contains your basic subscriber information, such as your phone number and your address book.

Before you begin, ensure that the phone is turned off.

Open the cover and remove the battery

1. Hold the phone in one hand with the keyboard facing down in the palm of your hand. With your other hand, press the release lock of the back cover at the bottom of the phone (the back cover will pop up).

2. Remove the back cover of the phone, then remove the battery by lifting it up from the bottom end.
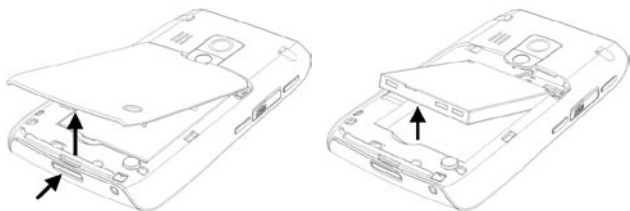
Insert the USIM/SIM card

1. Open the USIM/SIM card lock, by pulling it down slightly and then towards you, at the top-right corner of the battery compartment.
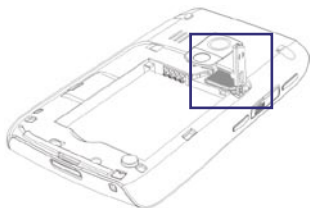
2. Insert the USIM/SIM card into the slot at the top-right corner with its gold-plated contacts facing down. Push the USIM/SIM card all the way in until the USIM/SIM card locks into place.

3. Close the USIM/SIM card lock.

Replace the battery

1. Align the exposed metal contacts on the edge of the battery with the prongs in the body of the phone, then gently push the top of the battery into place.

2. Press the bottom part of the battery into place.

3. Replace the battery cover. To replace, press the bottom part of the battery cover, close to the release lock, until you hear a click sound.

1.3 Installing a microSD Card

You can install a microSD (Secure Digital) card in your phone to have an alternative storage place for your images, video, music, and other phone data.

To install the microSD card

1. With the keyboard facing down, pry open the microSD cover on the right side of the phone.

2. Insert the microSD card into the slot with its gold contacts facing up, then replace the cover.
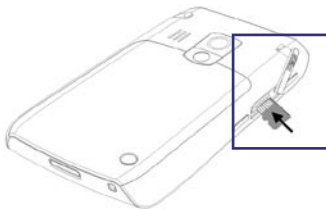
To remove, press the microSD card to pop it out of the slot.

1.4 The Home Screen

The Home screen displays important information, such as upcoming appointments, status indicators, the current date, time, and profile, and icons of programs that you have recently used. You can open a program directly by selecting its icon and pressing the CENTER OK button.

- To access the Home screen from anywhere, press 🏠.
- To customize the Home screen display, including the background, click **Start** > **Settings** > **Home Screen**.
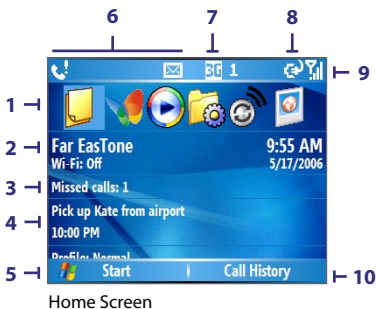
Home Screen

1. Select a recently-used program, and open it directly from the Home screen.
2. Displays the name of your wireless service provider, date, and the time. Click to open Comm Manager.
3. Click to view the details of a missed call (if there is one).
4. Click to see the time of your next appointment.
5. Click to display all available programs.
6. Displays notifications, such as missed calls or new messages.
7. Displays the network or connectivity status.

8. Displays the power status.

9. Displays the network signal strength.

10. Click to open Contacts, Call History, or Messages.

Use the NAVIGATION CONTROL or the JOGGR (if activated) to scroll down the Home screen to see more information, such as the current Profile being used and number of new messages that you have received. Click the information field to change the Profile or open the Messages folder.

1.5 Status Indicators and Program Icons

The following table lists common status indicators with their description.

Icon	Description	Icon	Description
✉	New e-mail or text message (SMS, Short Message Service)	ⓘ	Wi-Fi function enabled, but phone not connected to a wireless network yet
▲	Roaming	ⓘ	Wi-Fi connected
●	New MSN Messenger message	ⓘ	Connecting to wireless network
☎	Dialing while no USIM/SIM card is inserted	ⓘ	Synchronizing via Wi-Fi
📶	Voice call in progress	G	GPRS available
📶	Data call in progress	G	GPRS connecting
☎	Calls forwarded	G	GPRS in use
☎	Call on hold	E	EDGE available
☎	Missed call	E	EDGE in use
🔋	Battery level	3G	3G UMTS network available
🔋	Low battery	3G	UMTS connecting
🔋	Very low battery	3G	UMTS in use
🔋	Battery charging	abc	Lowercase text input
🔋	No battery or battery fault	ABC	Uppercase text input, caps lock

Icon	Description	Icon	Description
$\overline{Y}_{ll}$	Signal strength	ABC	Uppercase text input
Υ	Radio connected or no signal	12#	Numeric or symbol (labeled in blue color) input, locked
$\overline{Y}_{x}$	Radio off	12#	Numeric or symbol input (labeled in blue color)
🔲	No USIM/SIM card installed	xt9	T9 text input mode, lowercase
🔲	USIM/SIM card with fault	xT9	T9 text input mode, uppercase
🔲	Sync error	XT9	T9 text input mode, caps lock
×🎤	Microphone muted	🔵	Bluetooth on or visible mode
◀×	Ringer off	📳	Vibrate call alert
📞	Speakerphone on		

The following table lists icons of the programs that are already installed on your phone or available in the Application disc that came with your phone.

Icon	Program	Description
🔄	**ActiveSync**	Synchronizes information between your phone and a PC.
📕	**Adobe Reader LE**	Lets you view PDF files.
🎵	**Audio Manager**	Allows you to easily browse for music files by organizing music files into categories, such as artists, album, etc. It has an integrated Music Player that lets you play back music files.
📂	**Bluetooth Explorer**	Searches for other Bluetooth devices that have file sharing enabled and allows you to access their Bluetooth shared folder.
🧮	**Calculator**	Performs basic arithmetic and calculations, such as addition, subtraction, multiplication, and division.
📅	**Calendar**	Keeps track of your appointments and creates meeting requests.

Icon	Program	Description
	Call History	Keeps track of all phone calls made, received, and missed.
	Camera	Captures photos in various modes.
	ClearVue Document	Lets you view Word documents on your phone.
	ClearVue Presentation	Lets you view PowerPoint files on your phone.
	ClearVue Worksheet	Lets you view Excel worksheets on your phone.
	Comm Manager	Lets you easily enable or disable your phone, start or stop synchronization with your computer, mute your phone, enable or disable Bluetooth, turn on/off Wi-Fi, stop data services, and enable or disable Direct Push.
	Contacts	Keeps track of contact information.
	Download Agent	Provides information about the download status and the downloaded content from the Internet.
	File Explorer	Lets you organize and manage files and folders on your phone.
	Games	Lets you play two games: Bubble Breaker and Solitaire that come with your phone.
	Internet Explorer	Allows you to browse Web and WAP sites, and to download new programs and files from the Internet.
	Internet Sharing	Lets your phone act as an external modem for your computer by using USB port or Bluetooth.
	Messaging	Lets you send and receive e-mails, MMS, and text messages.

Icon	Program	Description
	MIDlet Manager	Lets you download and install Java-based applications, such as games and tools, on your phone.
	Pictures & Videos	Collects, organizes, and sorts media files in the My Pictures folder on your phone or on a storage card.
	Pocket MSN	Lets you send and receive instant messages with your MSN Messenger contacts and access your Hotmail account.
	Settings	Personalize your phone to suit the way you use it.
	SIM Manager	Allows you to manage the contacts that are stored on your USIM/SIM card. You can also use this program to copy USIM/SIM contents to Contacts on your phone.
	STK (SIM Tool Kit) Service	Allows you to access information and other services offered by your wireless service provider.
	Streaming Media	Allows you to stream live or on-demand video.
	Speed Dial	Lets you create speed dial entries for dialing frequently-called phone numbers or for opening frequently-accessed programs.
	Task Manager	Keeps track of all running programs on your phone.
	Tasks	Keeps track of your tasks.
	Video Recorder	Captures video clips in various modes and duration.
	Voice Notes	Allows you to create short voice recordings.
	Windows Media Player	Lets you play back video and audio files.

1.6 Using the Start Menu

The Start menu is located at the bottom-left corner of the Home screen and displays various program icons that are spread across one or more screens.

To see the available programs in the Start menu
On the Home screen, click **Start**. To see more programs, click **More** or use the NAVIGATION CONTROL.

Start menu

Your phone comes with several bundled programs that you can start using immediately. You can also install additional programs from the included Windows Mobile® Getting Started Disc or from the Internet, or purchase mobile phone software from retail stores and install them on your phone.

1.7 Using the Quick List

The Quick List offers convenient access to a list of functions, such as locking your phone, and keyboard, opening Comm Manager, and choosing a different profile. For more information about profiles, see Chapter 4.

To access the Quick List
1. Briefly press (press and quickly release) the POWER button. Please note that pressing and holding the POWER button turns off the phone.
2. Scroll through the list and select the desired option. Then, do any of the following:

- Click **Select**.

- Press the corresponding number on the QWERTY keyboard.

- Press the CENTER OK button.

- Double-click the middle portion of the JOGGR. (if activated)

3. To exit the Quick List at any time, click **Cancel**.

1.8 Entering Information

You can enter text, numbers, and symbols using the QWERTY keyboard. When you select a field that requires entering text or numbers, the phone automatically selects the appropriate input mode. The status indicator on the top-right side of the display screen indicates the input mode that you are currently using.

abc	Lowercase text input
ABC	Uppercase text input, caps lock
ABC	Uppercase text input
12#	Numeric or symbol (labeled in blue color) input, locked
12#	Numeric or symbol (labeled in blue color) input
xt9	T9 text input mode, lowercase
xT9	T9 text input mode, uppercase
xT9	T9 text input mode, caps lock

You can do the following with the QWERTY keyboard:

- To type lowercase letters, press the keys using your thumbs or fingers.

- To use all uppercase letters, press 🄵🄽 first and then press 🄲🄰🄿. To change back to all lowercase letters, press these buttons again.

- To use a single uppercase letter, press 🄲🄰🄿 and then press the corresponding key.

- To enter a number or symbol (labeled in green), press [FN] and then press the corresponding key.

- To open the Symbol table while entering text, press [SYM].

- Press and hold [*X] to lock the keyboard.

- Press and hold [1 E] to access your voicemail. Your voicemail number must be set up for this to work. To check, click **Start** > **Settings** > **Phone** > **Call Options** and check **Voice mail number**.

Using XT9 mode

To form a word in XT9 mode, press the keys that contain the letters you want. As you enter letters, XT9 analyzes your keypresses and attempts to complete the word. XT9 also tries to predict your next word based on previous sentences you have typed.

To enter text in XT9 mode

1. Press [FN] and then press SPACE.

2. On the menu, select **XT9 English**.

Note   You can choose a different XT9 language (if available) by selecting **Language,** and then choosing the language you want.

While typing, words will appear at the bottom of the screen. Use the NAVIGATION CONTROL to choose the word you want to insert then press the CENTER OK key.

1.9 Battery Information

Battery performance depends on many factors, including your wireless service provider's network configuration, signal strength, the temperature of the environment in which you operate your phone, the features and/or settings you select and use, items attached to your phone's connecting ports, and your voice, data, and other program usage patterns.

Battery life estimates (approximations):

- Talk time: GSM: Up to **6** hours
            UMTS: Up to **4** hours

- Standby time: GSM: Up to **200** hours
              UMTS: Up to **209** hours

- Playing WMV: Up to **8** hours

- Playing WMA: Up to **12** hours

WARNING!   To reduce risk of fire or burns:

- Do not attempt to open, disassemble, or service the battery pack.
- Do not crush, puncture, short external contacts, or dispose of in fire or water.
- Do not expose to temperatures above **60˚C (140˚F)**.
- Replace only with the battery pack designated for this product.
- Recycle or dispose of used battery as stipulated by local regulation.

To check the battery power
- On the Home screen, click **Start** > **Settings** > **Power Management**.

To optimize the power performance
- On the Home screen, click **Start** > **Settings** > **Power Management**, and adjust the backlight, display, and light sensor settings.

Power Management	abc 📶
Main battery:	
▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓	**100%**
Backlight time out on battery:	
Never	◀ ▶
Backlight time out on AC:	
Never	◀ ▶
Display time out:	
Done	**Cancel**
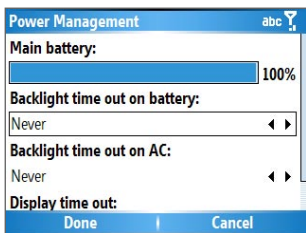
To manage a low battery

When the low-battery warning appears, do the following:

1. Immediately save your current data.

2. Synchronize with your PC to charge the battery.

3. Turn off your phone.

4. Charge the phone using the AC adapter.

For information about charging the battery, see the **Quick Start Guide**.

Chapter 2

Using Phone Features

2.1 Using the Phone

You can use your phone to make, receive, and keep track of voice calls, and send text messages (SMS, Short Message Service) and MMS (Multimedia Messaging Service) messages. You can also dial a phone number directly from Contacts, and easily copy USIM/SIM contacts to Contacts on the phone.

The Phone screen

From the Phone screen, you can open, call, or find a contact, and even save a new number in Contacts. To access the Phone screen, do any of the following:

- Press TALK (📞).
- Directly enter the phone number or contact name using the QWERTY keyboard.

Enter your PIN

Most USIM/SIM cards are preset with a personal identification number (PIN) that is provided by your wireless service provider. You need to enter the PIN whenever you use your phone.

1. On the Home screen, click **Start > Settings > Security > Enable SIM PIN**.
2. Enter the preset PIN provided by your wireless service provider.
3. Click **Done**.

Note If your PIN is entered incorrectly three times, the USIM/SIM card will be blocked. If this happens, you can unblock it with the PIN Unblocking Key (PUK) obtained from your wireless service provider.

Set ring tones

You can choose how to be notified for incoming calls, reminders, new messages, alarms, and more.

To set a ring tone for incoming calls

1. On the Home screen, click **Start > Settings > Sounds**.

2. In the Ring tone list, select a ring tone.

3. Click **Done**.

If you select **Vibrate**, the sound is muted and the phone will vibrate when you receive a call. The Vibrate icon ( ) appears in the title bar. Selecting **None** in the Ring tone list mutes the phone. For more information about sounds, see "Choose how to be notified about events or actions" in Chapter 4.

Note   To adjust the earpiece volume during a call, use the JOGGR on the phone side panel. The JOGGR needs to be set to **Adjust volume** or **Adjust volume(In-call & Windows Media only)** to be able to adjust the volume.

2.2 Making a Voice Call

With your phone, you can make calls from the Home screen, the Phone screen, from Contacts, Speed Dial, Call History, or USIM/SIM Contacts (contacts stored on your USIM/SIM card).

Make a call from the Home screen

- Enter the phone number by pressing keys on the QWERTY keyboard, and press TALK ( ).
- Press the ← button or DEL key if you need to backspace.
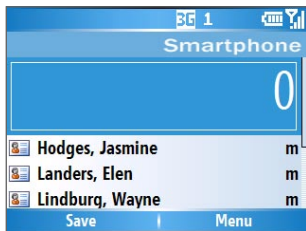
Phone Screen

Tip   You will notice that when you press a key on the QWERTY keyboard, a list of names and numbers is displayed as your phone searches Contacts, Call History, Speed Dial, and your USIM/SIM card to find a matching name or number. For

example, when you press a key such as 5, names that begin with F will be displayed as well as phone numbers that start with 5. The next key you press continues to narrow the search. When you see the name of the person you want to call, select it, and press TALK (📞).

Make a call from Contacts

1. On the Home screen, click **Start > Contacts**.
2. Select the desired contact, and press TALK (📞).

You can also select the desired contact in the contact list, and press the CENTER OK button twice (once to view the contact details, and once to dial the associated number).

To specify the number to dial

By default, the mobile telephone number (m) of a contact is dialed when you make a call from Contacts; however, you can choose to dial a different phone number.

1. On the Home screen, click **Start** > **Contacts**.
2. Select the contact.
3. Press NAVIGATION left or right. The letter representing the number changes to m (mobile), w (work), or h (home).

You can also select a contact in the contact list, and press the CENTER OK button to view details and different numbers associated with the contact. Select a number and press TALK (📞) or press the CENTER OK button to dial the number.

- You may also access the contact list by clicking **Contacts** on the Home Screen.
- To view or edit information associated with the selected contact, click **Menu** > **Edit**.
- To save a contact on your USIM/SIM card, click **Menu** > **Save to SIM**.

Make a call from Call History

1. On the Home screen, click **Start** > **Call History**.
2. Select a name or number, and press TALK (📞).

In the Call History screen, press the CENTER OK button to view details, such as the dialed, missed, or received call, call duration, date, and time. Pressing the CENTER OK button again dials the associated number.

To customize calls
You can select various options on the Call History screen to customize and filter the calls made, received, or missed.

- To find a name or number in Contacts, click **Menu** > **Find Contact**.
- To send a text message, click **Menu** > **Send Text Message**.
- To send an e-mail, click **Menu** > **E-mail**.
- To find the duration of a call, click **Menu** > **View Timers**.
- To remove a call or number from Call History, click **Menu** > **Delete**.
- To remove the list of calls or numbers from **Call History**, click **Menu** > **Delete List**.
- To save a name or number in Contacts, click **Menu** > **Save to Contacts**.
- To categorize the call or number into various call types, click **Menu** > **Filter**.

Note   You can also save a number in Contacts by clicking **Save** on the Call History screen.

Make a call from Speed Dial
You can make calls using Speed Dial. To learn how to use Speed Dial, see "Using Speed Dial" in Chapter 8.

Make a call from SIM Manager
1. Click **Start** > **SIM Manager.** Wait for the contents of your USIM/SIM card to load.
2. Choose the contact you want to call and click **Menu** > **Dial.**

2.3 Receiving a Voice Call

When you receive a phone call, you have the option to answer it or ignore it.

To answer or ignore an incoming call
- To answer the call, click **Answer**, or press TALK (📞).
- To ignore the call, click **Ignore**, or press END (📞).

To end a call
- Press END (📞).

2.4 In-Call Options

Your phone provides various options for managing multiple calls at the same time. You are notified when you have another incoming call, and you have the choice of ignoring or accepting the call. If you are already on a call and accept the new call, you can choose to switch between the two callers, or set up a conference call between all three parties.

In-Call Options

Note   Call Waiting should be enabled and supported for you to be notified of an incoming call when you are using the phone. To enable Call Waiting, click **Start > Settings > Phone > Call Waiting > Provide call waiting notifications**.

To answer another call
1. Click **Answer** to take the second call and put the first call on hold.

2. To end the second call and return to the first call, press END ( ).

To switch between calls

• To switch between two calls, click **Swap**.

To set up a conference call

1. Either put a call on hold and dial a second number, or, answer a second incoming call during a call.

2. Click **Menu** > **Conference**.

Notes

• If the conference connection is successful, the word "Conference" appears at the top of the screen.

• To add additional persons to your conference call, click **Menu** > **Hold**, enter the phone number, and then click **Resume** to return to the call.

• Not all service providers support conference call. Contact your service provider for details.

To turn on and off the Speakerphone

The built-in Speakerphone allows you to talk hands-free or lets other people listen to the conversation.

• During a call, click **Menu** > **Speakerphone On**. The icon appears at the top of the screen.

• To turn off the Speakerphone during the call, click **Menu** > **Speakerphone Off**. Alternatively, the speakerphone can be toggled on and off by pressing and holding TALK during the call.

WARNING!   To avoid damage to your hearing, do not hold your phone against your ear when the Speakerphone is turned on.

To mute a call

You can turn off the microphone during a call, so that you can hear the caller but the caller cannot hear you.

•   During a call, click **Menu** > **Mute**.

When the microphone is turned off, the 🎤✕ icon appears on the screen. Click **Menu** > **Unmute** to turn on the microphone again.

2.5 Additional Dialing Information

Make an emergency call

•   Enter the appropriate emergency number for your locale, and press TALK (📞).

Tip   Additional emergency numbers may be included in your USIM/ SIM card. Contact your service provider for details.

Make an international call

1.   Press and hold ⌨TAB on the phone keyboard until the ➕ sign appears. The ➕ replaces the international prefix of the country that you are calling.

2.   Enter the full phone number, and press TALK (📞). The full phone number includes country code, area code (without the leading zero, if any), and phone number.

Insert a pause in a dialing sequence

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

1.   On the Home screen, click **Start** > **Contacts**.

2.   Select the contact entry that contains the phone number in which you want to insert a pause, and press the CENTER OK button to open the contact card.

3.   Click **Menu** > **Edit**.

4.   Position the cursor on the phone number where you want to insert a pause.

5. Click **Menu** > **Insert Pause**.
   The letter "p" will appear in the number to indicate where the pause will occur in the dialing sequence.

6. Click **Done**.

Insert a longer pause in a dialing sequence

Some phone numbers may require a longer pause than the default pause in the dialing sequence. In these cases, you can pause as long as you want, and manually continue the dialing sequence.

Note This feature is not available for contacts stored on the USIM/SIM card.

1. On the Home screen, click **Start** > **Contacts**.

2. Select the contact entry that contains the phone number in which you want to insert a longer pause, and press the CENTER OK button to open the contact card.

3. Click **Menu** > **Edit**.

4. Position the cursor on the phone number where you want to insert a longer pause.

5. Click **Menu** > **Insert Wait**.
   The letter "w" will appear in the number to indicate where the longer pause (wait) will occur in the dialing sequence.

6. Click **Done**.

Note When you call a number that contains a longer pause, you must press TALK (📞) again to continue dialing.

2.6 SIM Tool Kit (STK)

A USIM/SIM card must be inserted in your device in order to use this feature, which allows you to access a range of information services provided by your service provider.

1. On the Home screen, click **Start** > **SIM Tool Kit (STK)**. A list of provided services appears.

2. To access a service, click the item in the list.

Chapter 3

Synchronizing Information and Setting Up E-mail Security

3.1 About ActiveSync

ActiveSync synchronizes information on your phone with information on your PC such as Outlook content. ActiveSync can also synchronize over a wireless or cellular network with Exchange Server if your company or service provider is running Exchange Server with Exchange ActiveSync.

Specifically, you can use ActiveSync to:

- Synchronize information, such as Outlook e-mail, contacts, calendar, or tasks information on your phone with your PC, as well as pictures, video, and music.

- Synchronize Outlook e-mail, contacts, calendar appointments, and tasks on your phone directly with Exchange Server so that you can stay up to date even when your PC is turned off.

- Copy files between your phone and your PC.

- Select which types of information are synchronized and specify how much information is synchronized. For example, you can choose how many weeks of past calendar appointments to synchronize.

- Add and remove programs on your phone. For details, see Chapter 4, "Adding and Removing Programs."

3.2 Setting Up ActiveSync

To install and set up ActiveSync on the computer

1. Install ActiveSync on your PC, as described on the Windows Mobile® Getting Started Disc.

2. After Setup completes, the Synchronization Setup Wizard automatically starts when you connect your phone to the PC. The wizard will guide you to create a synchronization relationship between your phone and computer. Click **Next**.

3. Do not select the **Synchronize directly with a server running Microsoft Exchange Server** check box if you will synchronize your phone with a computer. Just click **Next**, then skip to step 8.

4. If you will synchronize your phone with Exchange Server, select the **Synchronize directly with a server running Microsoft Exchange Server** check box, then click **Next**.

5. On the Exchange server credentials screen, enter the Exchange server address, your user name and password, and the domain name.

If you do not know what the Exchange server address and domain name are, you can check with your network administrator, or you can check them in your computer by doing the following:

a. In Outlook, click **Tools > E-mail Accounts**.

b. Select **View or change existing e-mail accounts**.

c. Double-click **Microsoft Exchange Server**.

d. On the Exchange Server Settings screen, you will see the Exchange Server name.
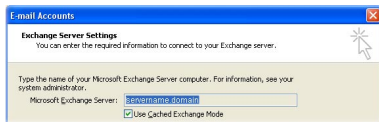
e. To check the domain name, click **Start > Settings > Control Panel**, then double-click **System**.

f. In the System Properties dialog box, click the **Computer Name** tab. You will then see the domain name.
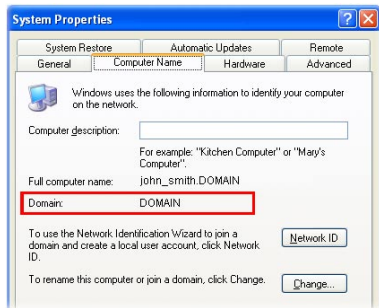
6. On your phone, you also need to enter the Exchange server settings. For information about this, see "Synchronizing directly with Exchange Server."

7. On the Synchronization Setup Wizard, click **Next**.

8. Select the information types to synchronize between your phone and computer.

   If you will synchronize your phone with both your computer and Exchange Server, do the following:

   • For the Contacts, Calendar, E-mail, and Tasks items, choose whether to synchronize them with the computer or with the Exchange Server. These items cannot be synchronized to both.

- Select the check boxes of the other information types if you want to synchronize them with your computer.
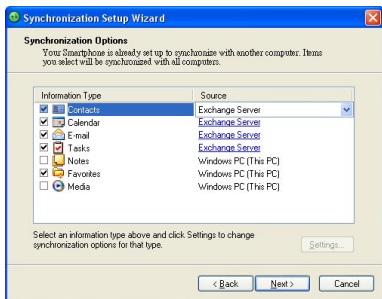
Information types on the PC and Exchange Server

9. Click **Next**.

10. Click **Finish**.

When you finish the wizard, ActiveSync synchronizes your phone automatically. Once synchronization completes, you can disconnect your phone from your PC.

3.3 Synchronizing Information

When you connect your phone to the PC, ActiveSync will immediately synchronize. While the phone is connected, ActiveSync synchronizes every time you make a change on either the PC or the phone.

To manually start and stop synchronization

1. Connect your phone.

- To synchronize local information on the PC, such as Outlook information or media files, connect your phone to the PC using Bluetooth or a cable.

- If you are synchronizing directly with Exchange Server, you can use the connection to the PC to access the

network, or you can synchronize over a cellular or Wi-Fi network without connecting to the PC.

2. In ActiveSync, click **Sync**. To end synchronization before it completes, click **Stop**.

Note ActiveSync 4.x utilizes a network type of connection with Windows Mobile powered devices, since this allows faster data transfer than a serial USB connection. When the PC is connected to the Internet or a local network, in some cases, the PC may disconnect the ActiveSync connection with your device in favor of the Internet or network connection. If this happens, click **Start** > **Settings** > **Connections** > **USB to PC**, then clear the **Enable advanced network functionality** check box. This makes ActiveSync utilize a serial USB connection with your device.

Synchronize Outlook information with the computer

If you have set up a synchronization relationship between your phone and the PC, synchronization keeps Outlook information up-to-date on both of them.

You can also set up your phone to synchronize with more than one PC, or with a combination of one or more PCs and Exchange Server. When synchronizing with multiple computers, the items you synchronize will appear on all of the computers with which they are synchronized. For example, if you have set up synchronization with two PCs (PC1 and PC2), which have different items, and you synchronize Contacts and Calendar on the phone with both computers, the result is as follows:

Location	New state
PC1	All Outlook contacts and calendar appointments that were on PC2 are now also on PC1.
PC2	All Outlook contacts and calendar appointments that were on PC1 are now also on PC2.
Phone	All Outlook contacts and calendar appointments from both PC1 and PC2 are on the phone.

Note Outlook e-mail can be synchronized with only one computer.

To change which information is synchronized

ActiveSync synchronizes a limited amount of information by default to save storage space on your phone. You can change the amount of information that is synchronized by performing the following steps.

Note   Before changing synchronization settings on the phone, disconnect it from your PC.

1. On the Home screen, click **Start** > **ActiveSync**.

2. In ActiveSync, click **Menu > Options**.

3. Do one or more of the following:

   • Select the check box for the items you want to synchronize. If you cannot select a check box, you might have to clear the check box for the same information type elsewhere in the list.
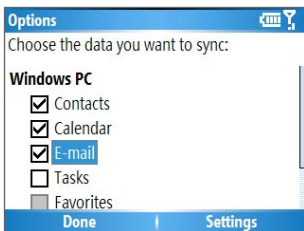
   • Clear the check box for any items you want to exclude.

   • To customize synchronization of a computer, select the computer name and click **Menu** > **Settings**.

   • To customize synchronization of a particular information, select the information type and click **Settings**.

   • To stop synchronizing with one computer completely, select the computer name and click **Menu** > **Delete**.

Note   Outlook e-mail can be synchronized with only one computer.

Synchronize Outlook information with Exchange Server

You can set up synchronization with Exchange Server on your phone, if it is available to you through your company or wireless service provider. However, before you carry on with the synchronization steps, you should first ask your administrator or check your computer for the following information: Exchange Server name, domain name, your user name, and password. (For information about how to check the Exchange server name and domain on your PC, see "To install and set up ActiveSync on the computer.")

Note   Before changing synchronization settings on the phone, disconnect it from your PC.

To synchronize directly with Exchange Server

1. Do one of the following:
   - Click **Start** > **Messaging** > **New Account**. On the E-mail Setup screen, select **Outlook E-mail** in the **Your e-mail provider list**, then click **Next**.
   - In ActiveSync on your phone, click **Menu** > **Configure Server**. If you have not yet set up synchronization with Exchange Server, this appears as **Add Server Source**.

2. On the Edit Server Settings screen, enter the name of the server running Exchange Server in the **Server address** box, and click **Next**.

3. On the User Information screen, enter your user name, password, and domain name.

4. If you want the phone to save your password so that you will not need to enter it again when connecting, select the **Save password** check box and click **Next**.

5. On the Options screen, select the check boxes of the types of information that you want to synchronize with the Exchange Server.

6. To customize synchronization of a particular information, select the type of information and click **Menu** > **Settings**.

Note   Settings is not available for Contacts and Tasks.

7. To change the rules for resolving synchronization conflicts, click **Menu** > **Advanced** on the Options screen.

8. Click **Finish**.

Note   You can also use the Sync Setup Wizard to set up the phone to synchronize remotely with the Exchange Server. This wizard is started when you connect your phone to your PC after installing ActiveSync on the PC.

Schedule synchronization with Exchange Server

You can schedule information to be synchronized automatically between your phone and the Exchange Server, or schedule synchronization at regular time intervals. Choose between these two methods, depending on your e-mail volume and which method you think is more cost-effective.

To receive e-mails and synchronize other information instantly

The **Direct Push** technology (Push E-Mail feature) enables you to receive new e-mails on your phone as soon as they arrive in your Inbox on the Exchange Server. With this feature, items such as contacts, calendar and tasks are also immediately updated onto your phone when these items have been changed or new entries have been added on the Exchange Server. To make Direct Push work, you need to set up a GPRS connection on your phone.

The Direct Push feature works for your phone, if your private network such as your corporate network is using Microsoft Exchange Server Service Pack 2 (SP2) with Exchange ActiveSync, and after your first full synchronization with the Exchange Server.

Using Comm Manager to Enable Direct Push

1. Click **Start** > **Comm Manager**.

2. In the Comm Manager screen, click the **Microsoft Direct Push** button. The button 6 ⊠ will turn to 5 ⊠, this indicates that you will receive e-mails as they arrive.

When the button is in the 🔘 ✉ state, you need to manually retrieve your e-mails.

Using ActiveSync to Enable Direct Push

1. In ActiveSync on your phone, click **Menu > Schedule**.

2. Select **As items arrive** in the **Peak times** and **Off-peak times** boxes.

ActiveSync	📶
Exchange Server	**1 Options**
Last: None	**2 Schedule**
	3 Status
Windows PC 2	**4 Configure Server**
	5 Connections
	6 Connect via Bluetooth
Sync	Menu

Schedule	abc 📶
Sync during	
Peak times:	
As items arrive	◀ ▶
Off-peak times:	
As items arrive	◀ ▶
☐ Use above settings when roaming	
☑ Send outgoing items immediately	
Done	Menu
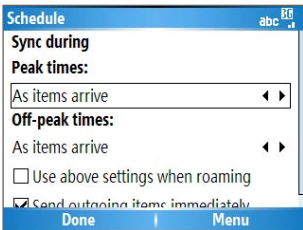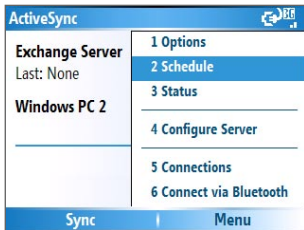
Note   When both the GPRS and Wi-Fi connections are turned on at the same time, the Direct Push feature will always opt for GPRS, for which you could be charged as per your network operator's service plan.

To schedule synchronization at regular time intervals
You can set how often to synchronize during **Peak times** (which usually refer to your working hours) when e-mail volume is high, as well as **Off-peak times** when e-mail volume is low.

1. In ActiveSync on your phone, click **Menu > Schedule**.

2. On the Schedule screen, select a shorter time interval in the **Peak times** box for you to be able to receive e-mails more frequently.

3. Select a longer interval in the **Off-peak times** box.

Tip   To set the days and hours that make up your peak and off-peak times, click **Menu > Peak Times** on the Schedule screen.

3.4 Synchronizing via Bluetooth

You can connect your phone to the PC to synchronize using the local wireless technology, Bluetooth.

To synchronize with a PC via Bluetooth

1. Follow the instructions in ActiveSync Help on the PC for configuring Bluetooth on your PC to support ActiveSync.

2. On the Home screen, click **Start** > **ActiveSync**.

3. Click **Menu** > **Connect via Bluetooth**. Ensure that the phone and the PC are within close range.

4. If this is the first time you have connected to this PC via Bluetooth, you must complete the Bluetooth wizard on the phone and set up a Bluetooth partnership with the PC before synchronizing.

5. Click **Sync**.

6. When finished, click **Menu** > **Disconnect Bluetooth**.

Notes

- To preserve battery power, turn off Bluetooth when not in use.

- To connect and synchronize your phone with a computer via Bluetooth, your computer must have a Bluetooth adapter or dongle.

3.5 Synchronizing Music, Video, and Pictures

If you want to take your music or other digital media with you, ActiveSync works with Windows Media Player to synchronize music, video, and pictures with your phone.

Other than selecting the media information type in ActiveSync to be synchronized, all media synchronization settings must be set in Windows Media Player. Before media can be synchronized, you must do the following:

- Install Windows Media Player Version 10 or later on the PC.

- Connect your phone to the PC with a USB cable. If the phone is currently connected using Bluetooth, you must end that connection before media can be synchronized.

- Insert a 32MB or larger storage card into your phone.

- Set up a sync partnership between the storage card and Windows Media Player.

Change Media synchronization settings

Once you select the Media information type in ActiveSync to be synchronized, any of your favorite music, video, and picture files in Windows Media Player playlists can be synchronized by ActiveSync. All you have to do is set up synchronization in Windows Media Player for those media files.

To set up a sync relationship with a storage card

1. On the PC, open Windows Media Player.

2. Click the **Sync** tab.

3. Select the storage card.

4. Click **Set up Sync**.

5. Choose whether to synchronize automatically or manually.

For information about using Windows Media Player on the phone, see "Using Windows Media Player" in Chapter 7.

3.6 Setting Up E-mail Security

Windows Mobile on your phone protects your Outlook e-mails through Secure/Multipurpose Internet Mail Extension (S/MIME), which allows you to digitally sign your messages as well as encrypt them.

Using authorization keys and certificates, S/MIME allows you to digitally sign your e-mail messages to prove your identity to the recipients. Authorization keys are also used when encrypting messages to improve privacy and prevent undue tampering or hacking of your messages. You can encrypt a message with or without a certificate. However, to read an encrypted message, you need a valid certificate for decrypting e-mail messages.

Note   S/MIME encryption and digital signatures for Windows Mobile-based devices are available only with Exchange Server 2003 Service Pack 2 or a later version that supports S/MIME. If you are not using one of these products, or have not yet synchronized, these options are unavailable.

Digitally sign and encrypt all messages

ActiveSync allows you to set up S/MIME e-mail encryption and signing. You will have to obtain a valid certificate for signing or encrypting e-mail before you are be able to sign or encrypt mail successfully.

1. On the Home screen, click **Start > ActiveSync**.

2. Click **Menu > Options**.

3. Select the **E-mail** information type, and click **Settings**. On the E-mail Sync screen, click **Menu > Advanced**.

Options		abc
Choose the data you want to sync:		
Exchange Server		
☐ Contacts		
☐ Calendar		
☑ E-mail		
☐ Tasks		
Windows PC		
Done	**Settings**	

E-mail Sync	abc
Include the previous:	
3 days	◄ ►
Limit e-mail size to:	
0.5 KB	◄ ►
	1 Advanced
	2 Cancel
Done	**Menu**
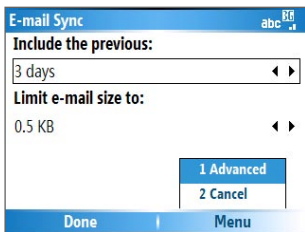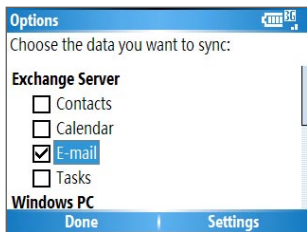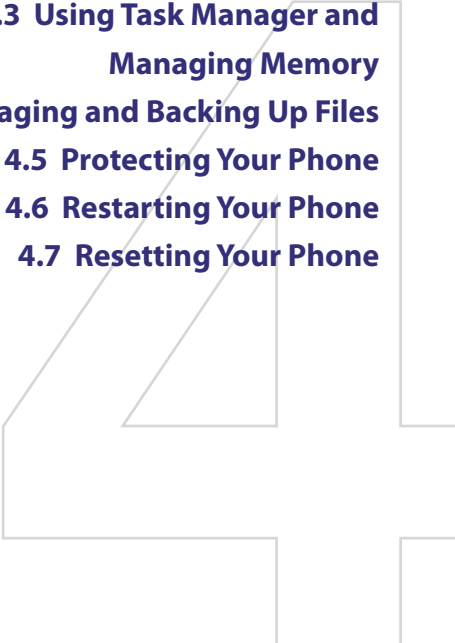
4. Do one or both of the following:

- To sign all your outgoing e-mail messages so that recipients can be certain that the messages were sent by you and have not been altered in any way, select **Sign messages**.

- To encrypt all your outgoing e-mail messages so that the contents of your messages are protected from being viewed by anyone other than the intended recipients, select **Encrypt messages**.

5. Click **Menu > Choose Certificate** to select a certificate for signing or encrypting outgoing e-mail messages.

You can select certificates to sign or encrypt e-mail messages individually if you do not choose to sign or encrypt all outgoing e-mails. For information about signing and encrypting individual messages, see "Individually sign and encrypt a message" in Chapter 6.

Chapter 4

Managing Your Phone

4.1 Personalizing Your Phone

Set up the Home screen

The Home screen is your starting place for most tasks. You can gain access to all features and programs from the Home screen.

The top of the Home screen displays icons for the programs that you have most recently used. The center of the Home screen can display your next appointment, the number of new messages (voice mail, text, e-mail, or MMS) that you have received, and other important information. When you click an icon or item on the Home Screen, the associated program opens.

To customize the Home screen

1. On the Home screen, click **Start** > **Settings** > **Home Screen**.
2. In **Home screen layout**, **Color scheme**, **Background image**, and **Time out**, select the options you want, and click **Done**.

To set a picture as the background

1. On the Home screen, click **Start** > **Pictures & Videos**.
2. Select the picture you want to set as the background. Click **View** or press the CENTER OK button for a larger view of the image.
3. Click **Menu** > **Use as Home Screen**.
4. Use NAVIGATION to select the portion of the picture you want to use, and click **Next**. If the picture fits the screen, this step is skipped.
5. In **Adjust the transparency**, select a higher percentage for a more transparent picture or a lower percentage for a more opaque picture.
6. Click **Finish**.

Set date, time, language, and other regional options

Your phone should already be set up with the regional settings that are appropriate for your locale.

To change regional settings

You can specify the language, locale, date and time style, as well as number and currency formatting options.

1. On the Home screen, click **Start** > **Settings** > **Regional Settings**.
2. In **Language**, select your preferred language.
3. In **Locale**, select the locale for the language you selected. The Locale option automatically changes the format of the remaining options (such as date, time, and currency) according to the locale you specify.
4. Click **Done**.

Note   You must turn your phone off and on again for the changes to take effect.

To set the date and time

1. On the Home screen, click **Start** > **Settings** > **Clock & Alarm** > **Date and Time**.
2. In **Time zone**, select your time zone.
3. In **Date**, edit the month, day, and year.
4. In **Time**, edit the hour, minute, and second.
5. Click **Done**.

Choose how to be notified about events or actions

A profile is a group of settings that determine how your phone will alert you to incoming calls, events such as e-mail receipt notifications, alarms, or system events. A number of different preset combinations of these settings are available on your phone. Each profile appears with a descriptive name.

To change the current profile

1. On the Home screen, click **Profile [Type]**. Example: **Profile Normal**.

2. Choose a new profile, and click **Done**.

Tip To quickly change the profile, briefly press POWER to display the Quick List, and choose a profile.

To edit a profile

1. On the Home screen, click **Profile [Type]**. Example: **Profile Normal**.

2. Select the profile to edit.

3. Click **Menu** > **Edit**.

4. Do one of the following:

   • Modify the settings, and click **Done**.

   • To cancel without saving changes, click **Cancel**.

Tip To revert to the default profile settings, click **Menu** > **Reset to default**.

To specify the sound for an event

1. On the Home screen, click **Start** > **Settings** > **Sounds**.

2. For the desired event, select a sound. Select **None** if you do not want to hear a sound.

3. Click **Done**.

Note For ring tones, you can use sounds in either .wav, .mid, .wma, or .mp3 file format. For notifications or reminders, you can use .wav or .mid files.

Tip When you select a sound, it starts to play back. To hear it again, select **Menu** > **Play**.

To set sound for the keyboard

1. On the Home screen, click **Start** > **Settings** > **Sounds**.

2. In **Keypad control**, select a sound. Select **None** if you do not want to hear any sound while pressing a key.

3. Click **Done**.

To copy a sound to your phone

After a sound file is located on your phone, you can use it for a ring tone, notification, or reminder. Sound files in either .wav, .mid, .wma, or .MP3 formats can be used.

1. Connect the phone to your PC using a USB connection.
2. On your PC, copy the sound file you want.
3. In ActiveSync on your PC, click **Explore** and double-click **My Windows Mobile-Based Device**.
4. Do one of the following:
   - To save the sound file on your phone, double-click **Application Data**, double-click **Sounds**, and paste the file into that folder.
   - To save the sound file on your storage card, double-click **Storage Card**, and paste the file into the folder you want.

To set an alarm

1. On the Home screen, click **Start** > **Settings** > **Clock & Alarm** > **Alarm**.
2. In **Alarm**, choose one of the following:
   - **Off** to turn the alarm off.
   - **On** to turn the alarm on.
3. In **Alarm time**, enter the time for the alarm to go off.
4. Click **Done**.

Set personal information

Entering and displaying owner information are best practices; they allow someone to return the phone to you in case it is lost.

To enter owner information

1. On the Home screen, click **Start** > **Settings** > **Owner Information**.
2. Complete the following:
   - In **Name**, enter your name.

- In **Telephone number**, enter a number where you can be reached.

- In **E-mail address**, enter your e-mail address.

- In **Notes**, enter any other information you want to include.

3. Click **Done**.

Set performance and maintenance options

To change accessibility settings

1. On the Home screen, click **Start** > **Settings** > **Accessibility**.

2. Select your preference for the following:

- In **System font size**, set the size of the font that is displayed on the screen.

- In **Multipress time out**, set the length of time between keypresses when entering text in Multipress mode.

- In **Confirmation time out**, set the delay before an unconfirmed action times out.

- In **In-call alert volume**, set the volume for incoming call or receiving new message alerts while you are in a call.

3. Click **Done**.

To change power management settings

You can use Power Management to check the battery, and configure settings that prolong battery life.

1. On the Home screen, click **Start** > **Settings** > **Power Management**.

2. Adjust the following:

- In **Backlight time out on battery**, select the amount of time for the phone to be idle before the backlight turns off.

- In **Backlight time out on AC**, select the amount of time for the phone to be idle before the backlight turns off when using AC power.

- In **Display time out**, select the time limit for the phone to be idle before the screen turns off.

3. Click **Done**.

Tip   **Main battery** indicates the amount of battery life remaining.

To find the operating system version number
- On the Home screen, click **Start** > **Settings** > **About**. The operating system version number installed on your phone along with the manufacturer copyright information will be listed on the screen.

To find the phone specification
- On the Home screen, click **Start** > **Settings** > **Device Information**.
  The Device Information screen displays the details about the phone specification, such as processor, speed, memory, display, model name, and so on.

To turn on and off error reporting
1. On the Home screen, click **Start** > **Settings** > **Error Reporting**.

2. Do one of the following:

- Select **Enable** to turn on error reporting.

- Select **Disable** to turn off error reporting.

3. Click **Done**.

4.2 Adding and Removing Programs

Before you purchase additional programs for your phone, you should note the name of your phone, the version of Windows Mobile software running on it, and the type of processor. This information will help you select a program that is compatible with your phone. For more information, see "To find the operating system version number" in this chapter.

Programs available for purchase usually include a Setup program (commonly named "setup.exe") that you must first install on your PC. You can then use ActiveSync to add programs to your phone or add a program directly from the Internet.

To add programs

1. Download the program to your PC (or insert the CD or disk that contains the program into your PC). You may see a single *.exe file, a *.zip file, a Setup.exe file, or several versions of files for different device types and processors. Be sure to select a program designed for your phone and processor type.

2. Read any installation instructions or documentation that comes with the program. Many programs provide special installation instructions.

3. Connect your phone and PC.

4. Double-click the *.exe file.

   • If the executable file is an installation wizard, follow the instructions on the screen. Once the program has been installed on your PC, the wizard will automatically transfer the program to your phone.

   • If an installation wizard does not start, you will see an error message stating that the program is valid but that it is designed for a different type of computer. You will need to copy this program to your phone. If you cannot find any installation instructions for the program, use ActiveSync to copy the program file to the Program Files folder on your phone.

To remove a program

Programs that come with the phone cannot be removed.

1. On the Home screen, click **Start** > **Settings** > **Remove Programs**.

2. Scroll to the program to remove.

3. Click **Menu** > **Remove**.

4.3 Using Task Manager and Managing Memory

To see how much memory is available

1. On the Home screen, click **Start** > **Settings** > **About**.

2. Scroll down to **Available Memory**.

Use Task Manager

Task Manager allows you to view all the programs currently running on your phone in the form of a list. From Task Manager, you can switch to, activate, or terminate any currently running program. It also allows you to view the phone memory status.

To start Task Manager

• Click **Start** > **Task Manager**.

Task Manager

The Task Manager Menu contains the following options.

Option	Allows you to
Go To	Switch to the selected program.
Refresh	Refresh the Task Manager screen to reflect a list of currently running programs.
Stop	Stop the selected program. You can view the free memory status at the bottom of the screen.
Stop All	Stop all listed programs. Click **OK** to confirm that you want to end all currently running programs. You can view the free memory status at the bottom of the screen.
Stop All But Selected	Stop all running programs in the list except the one you selected.
System Info	View information about power status, memory usage, flash, and phone information.
About	View program name, version, and copyright information.

4.4 Managing and Backing Up Files

You can back up files to your PC using ActiveSync or copy files to a storage card that is installed by you on your phone. You can also efficiently manage your files and folders using File Explorer installed on your phone.

Using Microsoft ActiveSync, you can copy or move information from the PC to the phone and vice versa. Changes you make to the information on one computer will not affect the information on the other computer. If you want to automatically update information on both your phone and PC, synchronize the information instead. For more information about copying and synchronizing files, see ActiveSync Help on your PC.

To copy a file using ActiveSync
Copying a file results in separate versions of a file on your phone and PC. Because the files are not synchronized, changes made to one file will not affect the other.

1. Connect your phone to your PC.

2. In ActiveSync, click **Explore**, which opens the Mobile Device folder for your phone.

3. In the Mobile Device folder, go to the file that you want to copy on your phone or PC.

4. Do one of the following:

   • To copy the file to your phone, right-click the file, and click **Copy**. Right-click the desired folder on your phone, and click **Paste**.

   • To copy the file to your PC, right-click the file and click **Copy**. Right-click the desired folder on your PC, and click **Paste**.

Use File Explorer

File Explorer provides many easy-to-use features for file and folder management.

To start File Explorer

• On the Home screen, click **Start > File Explorer**.

File Explorer operates in the following two views:

• List View

• Icons View

File Explorer displays the entire file structure in your phone's memory. The functions focus primarily on folder management. When initially started, File Explorer is in List View by default. To switch between views, click **Menu** > **View** > **Icons** or **List**.
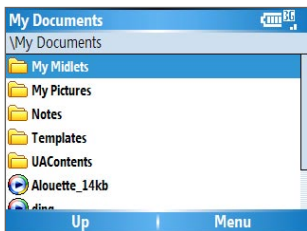
File Explorer - List View

The File Explorer menu contains the following options:

Option	Allows you to
Send	Lets you send the selected file through one of the messaging features.
Beam	Lets you send the selected file through Bluetooth .
Edit	Opens a menu where you can choose to cut, copy, paste, delete or rename a file. You can also create a new folder.
Properties	View information about the selected folder or file.
View	Opens a menu where you can switch between the **Icons** or **List** view.
Sort By	Opens a menu where you can choose to sort the files or folders by Name, Date, Size or Type.
My Device	Displays the folders and files in the root folder of the phone.
My Documents	Displays the folders and files in the **My Documents** folder.

To send a file as an e-mail attachment

1. In File Explorer, select a file.
2. Click **Menu > Send**.
3. On the Messaging screen, select **Outlook E-mail** or a custom e-mail account.
4. The file will automatically be attached to the new message.

   Specify the recipient and subject, and type your message.
5. Click **Send**.

4.5 Protecting Your Phone

There are several levels of security on your phone. You can protect your phone from unauthorized use by requiring a type of password called a PIN (personal identification number) in order to make calls. Your first PIN will be given to you by your wireless service provider. Additionally, you can lock the keyboard or the entire phone to prevent unauthorized access.

To enable the USIM/SIM personal Identification number (PIN)

  1. On the Home screen, click **Start** > **Settings** > **Security**.

  2. Click **Enable SIM PIN**.

  3. Enter your PIN, and click **Done**.

Note   To cancel without enabling the USIM/SIM PIN, press 🏠.

To disable the USIM/SIM PIN

  1. On the Home screen, click **Start** > **Settings** > **Security**.

  2. Click **Disable SIM PIN**.

  3. Enter your PIN, and click **Done**.

To change the USIM/SIM PIN

Be sure to make a note of your personal identification number (PIN). When the USIM/SIM PIN is enabled, you must provide this PIN to unlock the phone.

  1. Click **Start** > **Settings** > **Security**.

  2. Click **Change SIM PIN**.

  3. In **Old PIN**, enter the current PIN.

  4. Enter and confirm the new PIN, and click **Done**.

To lock the keyboard

Locking the keyboard turns off keyboard functionality. This is a helpful feature if, for example, the phone is turned on and in your pocket, and you want to prevent accidental keypresses.

  • On the Home screen, press and hold END or 📵.
    Once the keyboard is locked, the left soft key label changes to **Unlock**.

Tip   To quickly lock the keyboard, press POWER briefly to display the
           Quick List, and select **Key lock.**

Note   You can still receive calls and make emergency calls when the
           keyboard is locked.

To unlock the keyboard

• On the Home screen, click **Unlock** and press the [🔒X] key.

To enable the phone lock

1. On the Home screen, click **Start** > **Settings** > **Security** >
   Device lock.

2. Select **Prompt if device unused for,** then select the
   amount of time for the phone to be inactive before
   automatically locking.

3. Select the **Password type**, then enter and confirm your
   password.

4. Click **Done**.

Notes

• Alternatively, press POWER briefly to display the Quick List and
  then select **Device lock** to configure the phone lock settings.

• Once you configure the phone lock settings, you can enable
  the phone lock from the Quick List directly without configuring
  the settings again.

To disable the phone lock

• Click **Unlock**, then enter the password you have set to
  unlock your phone.

4.6 Restarting Your Phone

Occasionally, you may want to restart your phone, for example, when a program is not performing properly or the phone is not responding to any keypresses.

To restart the phone

   1. Remove the battery.

   2. Reinsert the battery and turn on your phone.

WARNING!   If the phone is restarted while a program is running, any unsaved work will be lost.

4.7 Resetting Your Phone

Resetting your phone will remove all the data from its memory, which include contacts, tasks, calendar appointments, and more, and restore the phone back to the factory default settings.

WARNING!   All your data will be deleted, it is recommended that you back up your data first before resetting your phone.

To reset your phone

   1. Click **Start > Settings > Clear Storage**.

   2. Follow the on-screen instructions to reset the phone.

The phone will restart after it has been reset.

Chapter 5

Getting Connected

5.1 Connecting to the Internet

Your phone's powerful networking capabilities allow you to access the Internet or your corporate network at work through wireless and conventional connections. Specifically, you can configure your phone to establish a connection via Dial-up, GPRS, Bluetooth, Wi-Fi, Virtual Private Network (VPN), or Proxy.

With an active connection on your phone, you can browse the Web, download e-mails, or chat using MSN Messenger. Check with your service provider to see if a connection has already been set up for you, and if over-the-air configuration is supported.

If you need to manually set up a connection, it is important that you obtain the following information from your Internet Service Provider (ISP) or the company whose intranet you are trying to access:

- ISP server phone number
- User name
- Password
- Access point name (required for GPRS connection)
- Domain name (required for accessing a corporate network or an intranet)

Set up a GPRS connection

GPRS is a non-voice value-added service that allows information to be sent and received across a mobile telephone network. You can use GPRS to connect to the Internet or to send and receive MMS on your phone. When you use GPRS, you will be billed per KB (Kilobyte) when sending or receiving information.

Note Check with your service provider how much it charges for its GPRS service.

If GPRS settings are not preset on your phone, obtain the **Access point name** from your wireless service provider. Also, check with your wireless service provider if a user name and password are required.

To set up a GPRS connection

1. On the Home screen, click **Start > Settings > Connections > GPRS**.

2. Click **Menu** > **Add**.

3. In **Description**, enter a name for the connection.

4. In **Connects to**, select **The Internet**.

5. Enter the name of the GPRS **Access point** of your wireless service provider.

6. Enter the appropriate information in the remaining fields, if required by your wireless service provider.

GPRS	
1 **ChungHwa Telecom**	
2 Fetnet01	
3 KGT ONLINE	
4 TWN GSM	
	1 Add
	2 Edit
	3 Delete
Done	**Menu**

Add GPRS	abc
Description:	
GPRS	
Connects to:	
The Internet	◄ ►
Access point:	
accesspoint	
Done	**Cancel**
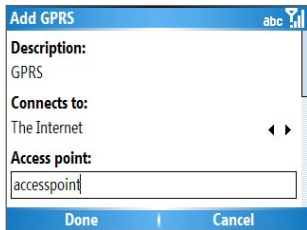
7. Click **Done**.

   To start browsing the Internet, click **Start** > **Internet Explorer**.

   For information about setting up and sending MMS, see "Using MMS Messages" in Chapter 6.

Set up a dial-up connection

When you use your phone to dial up to your ISP and connect to the Internet or to your corporate network, you will be billed by the number of minutes that you use.

To establish a dial-up connection on your phone, you need the same settings that you normally use when you dial up from your computer. This includes the ISP server phone number, your user name and password.

Note   Check with your service provider about this service.

To set up a dial-up connection for browsing the Internet

1. On the Home screen, click **Start > Settings > Connections > Dial-up**.

2. Click **Menu** > **Add**.

3. In **Description**, enter a name for the connection.

4. In **Connects to**, select **The Internet**.

5. Enter the appropriate information in the remaining fields.

Dial-up	⊕ 📶
	1 Add
	2 Edit
	3 Delete
Done	**Menu**

Add Dialup	12# 📶
Description:	
Dial up	
Connects to:	
The Internet	◂ ▸
Phone number:	
23112365	
Done	**Cancel**
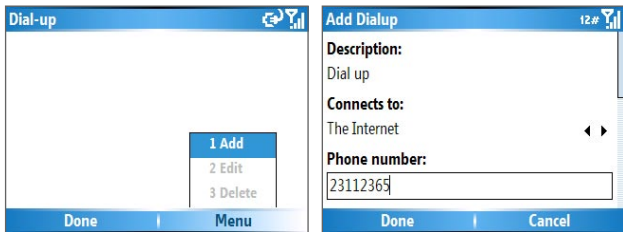
6. Click **Done**. To start browsing the Internet, click **Start** > **Internet Explorer**.

To set up a dial-up connection to your corporate network

1. On the Home screen, click **Start > Settings > Connections > Dial-up**.

2. Click **Menu** > **Add**.

3. In **Description**, enter a name for the connection.

4. In **Connects to**, select **Work**.

5. Enter the appropriate information in the remaining fields.

6. Click **Done**.

Note   You can also add and set up the following connections:

- **VPN:** A VPN connection is used to access your corporate network using an existing Internet connection.

- **Proxy:** A Proxy connection is used to access the Internet using an existing connection to your corporate or WAP network.

Advanced options

From the Connections screen, you can access advanced options to specify the service provider, the number of redial attempts, the amount of idle time to wait before disconnecting, and so on.

1. On the Home screen, click **Start** > **Settings** > **Connections**.
2. Click **Menu** > **Advanced**.
3. Select a network service provider for each connection type. You can choose **Automatic** to allow the phone to set a service provider for each connection by default.
4. Click **Menu** > **Options**.
5. Choose the appropriate information in the remaining fields.
6. Click **Done**.

Add 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 Internet Explorer Mobile, you must create a URL exception.

1. On the Home screen, click **Start** > **Settings** > **Connections**.
2. Click **Menu** > **Advanced**.
3. Click **Menu** > **Work URL Exceptions**.
4. Click **Menu** > **Add**.
5. In **URL Pattern**, enter the URL name.
   To add multiple URLs, use a semicolon (;).
6. Click **Done**.

Note   You do not need to create URL exceptions for Internet URLs.

5.2 Using Internet Explorer Mobile

Internet Explorer Mobile is a full-featured Internet browser, optimized for use on your phone.

To open Internet Explorer
Do one of the following:

- On the Home screen, click **Start** > **Internet Explorer**.

- Press 🕭.

To go to a link
1. While on a Web page, scroll vertically or horizontally to see all available links.
2. Click the link.

To go to a Web page
1. In Internet Explorer, click **Menu** > **Address Bar**.
2. Enter the address, and click **Go**.

To change Web page display options
1. While on a Web page, click **Menu** > **View**.
2. Select one of the following:

    - **One Column**. Arranges the content into one column that is as wide as the screen. This means that you will rarely have to scroll horizontally.

    - **Default.** Maintains a layout similar to what you see on a desktop computer, but makes items smaller and arranges the content so that you can see most of it without having to scroll horizontally.

    - **Desktop.** Keeps the same layout and size as on a desktop computer, which will require both horizontal and vertical scrolling.

To change the size of text on Web pages
- While on a Web page, click **Menu** > **Zoom** and select the size you want.

To show or hide pictures on Web pages

• While on a Web page, click **Menu** > **View** > **Show Pictures**.

A check mark next to **Show Pictures** indicates that pictures will be displayed on Web pages.

To view a page in full-screen mode

• While on a Web page, click **Menu** > **View** > **Full Screen**.

Tip   To exit full-screen mode, press any of the SOFT KEYS, and then click **Menu** > **View** > **Full Screen** to cancel the selection.

To add a Web page to the Favorites list

1. To go to the page you want to add, click **Menu** > **Address Bar**, enter the address, and click **Go**.

2. Click **Menu** > **Add to Favorites**.

3. Confirm or change the name and Web page address.

4. In **Folder**, select a folder for the favorite.

5. Click **Add**.

Tip   A quick way to add favorites to your phone is to synchronize with your PC using ActiveSync. For more information, see ActiveSync Help on your PC.

To view a favorite

1. While on a Web page, click **Favorites**.

2. Select a favorite, and click **Go**.

To move a favorite to a folder

1. Click **Favorites**.

2. Select the favorite to move.

3. Click **Menu** > **Edit**.

4. Under **Folder**, scroll to the folder to which you want to move the favorite.

5. Click **Done**.

To clear history, cookies, or temporary files

1. While on a Web page, click **Menu** > **Tools** > **Options**.

2. Click **Memory**.

3. Select the type of memory to clear.

4. Click **Clear**, click **Yes**, and then click **Done**.

To send a link via e-mail

1. Go to the desired Web page.

2. Click **Menu** > **Tools** > **Send Link via E-mail**.

3. Select **Text Messages** or **Outlook E-mail**.

4. A new message is created with the page address inserted in the message body.

5.3 Using Internet Sharing

With Internet Sharing, you can use your phone as an external modem for another device, such as a PDA or notebook computer.

Notes • Make sure your phone has a USIM/SIM card installed, and you have set up a GPRS or phone dial-up modem connection on your phone. If your phone has not been set up with a data connection yet, click **Menu > Connection Settings** on the Internet Sharing screen. For more information about setting up a GPRS connection, see "Set up a GPRS connection". For more information about setting up a phone dial-up connection, see "Set up a dial-up connection".

• If you want to use a USB cable connection, you must first install Microsoft ActiveSync version 4.2 or later on the computer.

• Before using Internet Sharing, disable ActiveSync on your computer. To disable ActiveSync, open ActiveSync and click **File** > **Connection Settings** and clear **Allow USB Connections**.

Set up the phone as a modem

To set up the phone as a USB modem

1. On your phone, click **Start > Internet Sharing**.
2. In the **PC Connection** list, select **USB**.
3. In the **Network Connection** list, select the name of connection that your phone uses to connect to the Internet.
4. Plug in the USB cable between your phone and the computer.
5. Click **Connect**.

To end the Internet connection

- On the Internet Sharing screen, click **Disconnect**.

To set up the phone as a Bluetooth modem

You can connect your phone to a computer through Bluetooth and use the phone as a modem for the computer.

To learn how to set up the phone as a Bluetooth modem, see "Use the phone as a Bluetooth modem" in this chapter.

5.4 Using Comm Manager

Comm Manager acts like a central switch that lets you enable or disable phone features as well as manage your data connections easily.

To open Comm Manager:

Do one of the following:

- Click **Start** > **Comm Manager**.
- Press [FN] and [📞].

Simply click the corresponding button to enable or disable a feature.
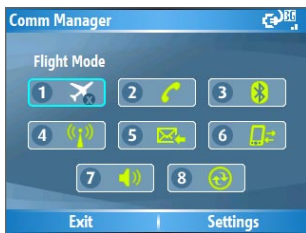
1. Click to toggle between turning on or off Flight mode. Turning on Flight mode turns off the phone, Bluetooth and WLAN functions.

2. Click to toggle between enabling or disabling the phone.

3. Click to toggle between turning on or off Bluetooth. See "Using Bluetooth" for details. Click **Settings** > **Bluetooth Settings** to configure Bluetooth on your phone.

4. Click to toggle between automatically receiving (as items arrive) or manually retrieving Outlook e-mails. For more information, see "To receive e-mails and synchronize other information instantly" in Chapter 3.

5. Click to toggle between turning on or off Wi-Fi. Click **Settings** > **WLAN Settings** to configure Wi-Fi on your phone. See "Using Wi-Fi Connection" for details.

6. Click to stop active data services (e.g. GPRS). You cannot reconnect data services in Comm Manager.

7. Click to toggle between turning on the phone's ringer or setting it to vibration/mute mode.

8. Click to open ActiveSync so you can synchronize the phone and computer. For more information about the configuration settings for ActiveSync, see Chapter 3.

5.5 Using Bluetooth

Bluetooth is a short-range wireless communications technology. Phones with Bluetooth capabilities can exchange information within a distance of about 10 meters without requiring a physical connection. You can even beam information to a device in a different room, as long as it is within the Bluetooth signal coverage range.

Bluetooth can be used in the following ways:

- Beam information, such as files, appointments, tasks, and contact cards, between devices that have Bluetooth capabilities.

- Synchronize information between your phone and computer via Bluetooth.

- Use a Bluetooth-enabled headset (or other Bluetooth-enabled hands-free device such as a car kit) with your phone for hands-free phone conversations. A Bluetooth stereo headset can also be used for listening to music.

- Use a Bluetooth service. Once you connect your phone to another device or computer using Bluetooth, you can locate and use any of the services available on that device.

- Use your phone as a Bluetooth modem for a computer.

Bluetooth modes

Bluetooth on your phone operates in three different modes:

1. **On**. Bluetooth is turned on. Your phone can detect other Bluetooth-enabled devices, but not vice versa.

2. **Off**. Bluetooth is turned off. In this mode, you can neither send nor receive information using Bluetooth. You might want to turn off the radio at times to conserve battery power, or in situations where radio use is prohibited, such as onboard an aircraft and in hospitals.

3. **Visible**. Bluetooth is turned on, and all other Bluetooth-enabled devices within range can detect your phone.

Note   By default, Bluetooth is turned off. If you turn it on, and then turn off your phone, Bluetooth also turns off. When you turn on your phone again, Bluetooth automatically turns on.

To turn on or off Bluetooth on your phone

You can enable Bluetooth by clicking the On/Off switch in Comm Manager. You can also do the following:

   1. On the Home screen, click **Start** > **Settings** > **Connections** > **Bluetooth**.

   2. In **Bluetooth**, select **On**.

   3. Click **Done**.

To turn off Bluetooth capabilities on your phone, in **Bluetooth**, select **Off**.

To make your phone visible

   1. On the Home screen, click **Start > Settings > Connections > Bluetooth**.

   2. In **Bluetooth**, select **Visible**.

   3. Enter a Bluetooth phone name for your phone. This will be the phone name that will be shown on another Bluetooth-enabled device when it searches and detects your phone.

   4. Click **Done**.

Note   Selecting the **Visible** option on the Bluetooth screen also turns on Bluetooth.

Bluetooth partnerships

A Bluetooth partnership is a relationship that you create between your phone and another Bluetooth-enabled device in order to exchange information in a secure manner.

Creating a partnership between two devices involves entering the same passcode on both devices, and this is a one-time process. Once a partnership is created, the devices can recognize the partnership and exchange information without entering a passcode again. Make sure the two devices are within a range, and Bluetooth is turned on and in visible mode.

To create a Bluetooth partnership

1. On the Home screen, click **Start** > **Settings** >
   Connections > **Bluetooth**.

2. Click **Menu** > **Devices**.

3. Click **Menu** > **New** to search for a new device.

   Your phone searches for other Bluetooth-enabled devices
   and lists them.

4. Select the desired device name in the list.

5. Click **Next**.

6. Enter a passcode (1 up to 16 characters) to establish a
   secure connection, then click **Next**.

7. Wait for the paired device to accept the partnership:

   • If you are creating a Bluetooth partnership between
     your phone and another Bluetooth-enabled Pocket PC
     or phone, the receiving party needs to enter the same
     passcode that you specified.

   • If you are creating a Bluetooth partnership between
     your phone and computer, a balloon message will
     appear at the bottom-right of the computer screen,
     prompting your computer to accept the partnership.
     Click the message, then enter the passcode.

8. On your phone, a message will appear, indicating that your
   phone has connected with the paired device. Click **OK**.

9. The name of the paired device is then displayed. You may
   edit and enter a new name for that device, then click **Next**.

10. Select the check boxes of services that you want to use
    from the paired device. Click **Done**.

To accept a Bluetooth partnership

1. Ensure that Bluetooth is turned on and in visible mode.

2. Click **Yes** when prompted to establish a partnership with
   the other device.

3. Enter a passcode (the same passcode that is entered on the device requesting the partnership) to establish a secure connection.

The passcode must be between 1 and 16 characters.

4. Click **Next**.

5. A message pops up, indicating that your phone has connected with the paired device. Click **OK**.

6. The name of the paired device is then displayed. You may edit and enter a new name for that device, then click **Next**.

7. Select the check boxes of services that you want to use from the paired device.

8. Click **Done**.

You can now exchange information with the other device.

To change the display name of a Bluetooth device
1. On the Home screen, click **Start** > **Settings** > **Connections** > **Bluetooth**.

2. Click **Menu** > **Devices**.

3. Select a detected Bluetooth device.

4. Click **Menu** > **Edit**.

5. Enter a new display name for the Bluetooth device, then click **Next**.

6. Click **Done**.

To delete a Bluetooth partnership
1. On the Home screen, click **Start** > **Settings** > **Connections** > **Bluetooth**.

2. Click **Menu > Devices**.

3. Select a Bluetooth device.

4. Click **Menu** > **Delete**.

5. Click **Done**.

Connect a Bluetooth hands-free or stereo headset

For hands-free phone conversations, you can use a Bluetooth hands-free headset such as a car kit with your phone.

Your phone also supports A2DP (Advanced Audio Distribution Profile) which is for stereo audio over Bluetooth. This means that you can use a Bluetooth stereo headset with your phone for hands-free phone conversations as well as for listening to stereo music. Make sure that your stereo headset also supports A2DP.

Just like when connecting to any Bluetooth device, you also need to enter a passcode when connecting to a Bluetooth hands-free or stereo headset. The passcode is fixed and cannot be changed on a Bluetooth headset. Before you connect it with your phone, check for the proper passcode in the manufacturer's documentation.

To connect a Bluetooth hands-free or stereo headset

1. Make sure that both your phone and the Bluetooth headset are turned on and within close range, and that the headset is visible. Refer to the manufacturer's documentation to find out how to set the headset in visible mode.

2. On the Home screen, click **Start > Settings > Connections**.

3. Click **Bluetooth > Menu > Devices**.

4. Click **Menu > New**. Your device searches for other Bluetooth-enabled devices and displays them in the list.

5. Select the name of the headset, and click **Next**.

6. In **Passcode**, enter the alphanumeric passcode for the Bluetooth headset, then click **Next.**

7. Select the check box for the **Hands Free** service, and click **Done**.

Bluetooth Devices

Bluetooth Headset

Done | Menu

Note If the Bluetooth stereo headset becomes disconnected, turn the headset on and repeat steps 1 to 3 above. Select the stereo headset and click **Menu > Set as Wireless Stereo**.

Bluetooth Devices

Add new device...
Bluetooth Device

1 Add new device
2 Edit
3 Delete
4 Set as Hands-free
5 Set as Wireless Stereo

Done | Menu

Beam information using Bluetooth

You can beam information, such as contacts, calendar items, and tasks, as well as files from your phone to your computer or to another Bluetooth-enabled device.

Note If your computer does not have built-in Bluetooth capabilities, you need to connect and use a Bluetooth adapter or dongle on your computer.

To beam information from your phone to a computer

1. Set Bluetooth on your phone to visible mode. For information about this, see "To make your phone visible".

2. Next, set Bluetooth on your computer to visible mode, create a Bluetooth partnership, and then enable your computer to receive Bluetooth beams.

If your computer has Windows XP SP2 and your computer's built-in or external Bluetooth adapter is supported by Windows XP SP2, do the following steps:

a. On your computer, open **Bluetooth Devices** from the Control Panel and click the **Options** tab.

b. Select the **Turn discovery on** and the **Allow Bluetooth devices to connect to this computer** options.

c. Create a Bluetooth partnership between your phone and computer. For information about creating a partnership, see "Bluetooth partnerships".

d. In the **Options** tab of **Bluetooth Devices**, select **Show the Bluetooth icon in the notification area**.

e. To enable your computer to receive Bluetooth beams, right-click the Bluetooth icon at the bottom-right of your computer screen. A menu then opens. Click **Receive a File**.

Whereas if the Bluetooth adapter on your computer was installed using a third-party provided driver, do the following steps:

a. Open the Bluetooth software that came with the Bluetooth adapter. This software varies by manufacturer, but in most cases, you will find a **Bluetooth Configuration** utility which you can open from the Control Panel.

b. Click the **Accessibility** tab in the Bluetooth Configuration dialog box, then select **Let other Bluetooth devices to discover this computer**.

c. Create a Bluetooth partnership between your phone and computer. For information about creating a partnership, see "Bluetooth partnerships".

d. Refer to the Bluetooth adapter's documentation for instructions on how to enable your computer to receive Bluetooth beams.

3. Now you are ready to beam. On your phone, select an item to beam. The item can be an appointment in your calendar, a task, a contact card, or a file.

4. Click **Menu** > **Beam [type of item]**.

5. Select the device name to which you want to beam to.

6. Click **Beam**.

7. If you beamed a calendar, task, or contact item to your computer and it is not automatically added to Outlook, click **File > Import and Export** to import it to Microsoft Outlook on your computer.

To beam information to a Bluetooth-enabled device such as another phone, create a Bluetooth partnership and do steps 3 to 6 in the above procedure.

Notes

- If the computer or device you want to beam to cannot be detected by your phone, make sure that it is turned on, visible, and within close range of your phone.

- The default folder on your computer where beamed items are stored may be
  C:\Documents and Settings\your_username\My Documents.

- If your computer's Bluetooth adapter was installed using a third-party provided driver, the folder location where it stores beamed items will be indicated in the **Information Exchange** tab of the **Bluetooth Configuration** utility.

Bluetooth Explorer and Bluetooth file sharing

Bluetooth Explorer searches for other Bluetooth devices that have file sharing enabled and lets you access their Bluetooth shared folder. You can copy files from and to their shared folder, and create subfolders in it. When you enable Bluetooth file sharing on your device, other Bluetooth-enabled devices will also be able to access your Bluetooth shared folder.

To enable Bluetooth Explorer and Bluetooth file sharing on your phone

1. Click **Start > Settings > Connections > Bluetooth > Menu > FTP**.

2. Select the **Enable Bluetooth Explorer** check box. This makes the **/Bluetooth** phone folder visible in File Explorer.

3. Select the **Enable File Sharing** check box. Click **Browse** to change the folder to share.
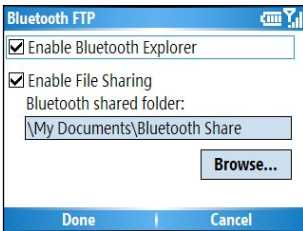
To use Bluetooth Explorer

1. Bluetooth Explorer is integrated with the File Explorer program. You can open it by clicking **Start > Programs > Bluetooth Explorer** or by clicking the **Bluetooth** folder under the My Device folder in File Explorer.
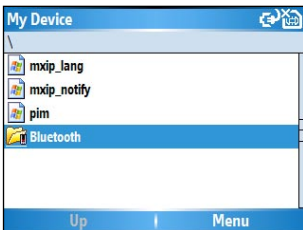
2. Bluetooth Explorer then scans for other Bluetooth-enabled devices. From the list, select a Bluetooth device you want to connect to. You may need to enter a passcode in order for you to connect to the device.

3. If there are files contained in the Bluetooth shared folder on the other device, you will be able to see them on the Bluetooth Explorer screen.

   Select a file and click **Menu > Edit** and choose to cut or copy the files.

4. Click **Up** twice.

5. Navigate to the folder where you want to paste the files on your device, then click **Menu > Edit > Paste**.

Use the phone as a Bluetooth modem

You can connect your phone to a notebook or desktop computer through Bluetooth and use the phone as a modem for the computer.

For the computer to use the Internet connection of your phone, activate Internet Sharing on your phone, then set up a Bluetooth Personal Area Network (PAN) between the computer and your phone.

1. On your phone, turn on Bluetooth and set it to **Visible** mode.

2. Initiate a Bluetooth partnership from your phone by following the steps in "To create a Bluetooth partnership."

   Alternatively, you can initiate a Bluetooth partnership from the computer by following these steps (based on Windows XP SP2):

   a. In the Control Panel or System Tray, double-click the **Bluetooth Devices** icon.

   b. In the Bluetooth Devices window, click **Add**.

   c. The Add Bluetooth Device Wizard opens. Select the **My device is set up and ready to be found** check box, then click **Next**.

   d. The wizard then detects your phone and displays its name in the dialog box. Select the phone name, then click **Next**.

    e. Select **Let me choose my own passkey**, then enter a passkey (1 up to 16 digits) that will serve as an identification number for establishing a secure connection between your phone and the computer. Click **Next**.

    f. A confirmation message then appears on your phone. Click **Yes** to accept the connection, enter the same passcode, then click **Next**.

    g. On the computer, click **Finish** to exit the wizard.

    h. On your phone's Partnership Settings screen, you can change the display name for the computer, then click **Finish**.

3. Now, open the Internet Sharing program on your phone. Click **Start > Internet Sharing**.

4. Select **Bluetooth PAN** as the **PC Connection**.

5. From the **Network Connection** list, select the name of the connection that your phone uses to connect to the Internet.

6. Click **Connect**.

7. On your computer, set up a Bluetooth Personal Area Network (PAN) with your phone:

    a. Click **Start > Control Panel > Network Connections**.

    b. Under **Personal Area Network**, click the **Bluetooth Network Connection** icon.

    c. Under **Network Tasks**, click **View Bluetooth network devices**.

    d. In the Bluetooth Personal Area Network Devices dialog box, select your phone, then click **Connect**.

8. On the Internet Sharing screen on your phone, check if a connected status is displayed, which indicates that your computer has been successfully connected to the Internet using your phone as a Bluetooth modem.

5.6 Using Wi-Fi Connection

Wi-Fi provides wireless Internet access over distances of up to 100 meters. To use Wi-Fi on your phone, you need access to a wireless access point of your service provider. When you are in public places, such as in a coffee shop or restaurant, you will need access to their public wireless access points (also referred to as "hotspots").

Note The availability and range of your phone's Wi-Fi signal depends on the number, infrastructure, and other objects through which the signal passes.

To connect to an existing Wi-Fi network

1. On the Home screen, click **Start > Comm Manager**. This opens the Comm Manager screen.

2. Click the **WLAN** icon. The WLAN icon is then highlighted to indicate that WLAN is turned on.

Note If a connection is not detected, continue with the following steps.

3. Click **Menu > WLAN Settings** to open the WLAN Settings screen.

4. Select **Wi-Fi** to view a list of active Wi-Fi networks.

5. Select an active Wi-Fi network from the list.

6. Click **Connect** to connect to the selected Wi-Fi network.

   You can also configure settings for connecting to a Wi-Fi network by clicking **Menu > Edit**. You can specify the network key and required information on the Wi-Fi Connections screen.

7. Click **Done** on the Wi-Fi screen.

   Notes

   • Wi-Fi connects to the default network that is available on your phone. However, GPRS starts by default if your phone does not detect any Wi-Fi signal.

- In Comm Manager, click **Settings > WLAN Settings > Connection Status** to check the current connection status and signal quality of each Wi-Fi channel.

- Configure your phone so that the Wi-Fi function turns off automatically when no signal is detected to conserve battery power. In Comm Manager, click **Settings** > **WLAN Settings** > **Wi-Fi** > **Menu** > **Wi-Fi Settings**.

To create a new Wi-Fi connection

If the Wi-Fi connection you want to connect to is not in the list, you can create a new Wi-Fi connection. Before you start, make sure you have all the relevant data about the Wi-Fi connection you want to connect to.

1. On the Home screen, click **Start** > **Settings** > **Connections** > **WLAN Settings** > **Wi-Fi** > **New**.

2. Enter the **Network name** and **Network type** and click **Next**.

Note If you want only to connect directly to another device or computer, and not to a network through an access point, select **This is a device to device (ad-hoc) connection**.

3. Select the **Authentication** type and **Data encryption** and then click **Next**. For WPA authentication or TKP, AES, or WEP data encryption, enter the needed information in the remaining fields.

4. Select **Use IEEE 802.1x network access control** to use Extensible Authentication Protocol (EAP). Select the **EAP type** based on the type of authentication. Click **Finish**.

To increase security on the Wi-Fi network

The LEAP (Lightweight Extensible Authentication Protocol) feature of Comm Manager helps increase security on your phone, and ensures that nobody is able to access your network without your permission.

1. On the WLAN Settings screen, select **LEAP**.

2. Click **Menu > New**.

Note   By default, the LEAP screen displays data that you entered
previously. However, you can modify or delete the data as
required by clicking **Menu > Modify** or **Menu > Delete** on the
LEAP screen.

   3. Enter the **SSID** (Service Set Identifier).
   You can obtain this information from your wireless service
   provider.

   4. Enter the user name, password, and domain.

   5. Select an **Authentication Type**.

   By default, the **Authentication Type** for your phone is
   Open System authentication.

Note   For LEAP to work correctly, the receiving phone (your phone)
must be set with the same SSID, user name, and password as the
access point.