

User Manual

www.htc.com

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 DISASSEMBLE OR ATTEMPT TO DISASSEMBLE THE DEVICE.

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.

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5,267,261	5,544,196	5,267,262	5,568,483	5,337,338	5,659,569
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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 with desktop or notebook computer. Be sure your computer is properly grounded (earthed) before connecting this 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 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 60°C (140°F), 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.



- **Take extra precautions**
 - Keep the battery or device dry and away from water or any liquid as it may cause a short circuit.
 - Keep metal objects away so they don't come in contact with the battery or its connectors as it may lead to short circuit during operation.
 - The phone should only be connected to products that bear the USB-IF logo or have completed the USB-IF compliance program.
 - Do not use a battery that appears damaged, deformed, or discolored, or the one that has any rust on its casing, overheats, or emits a foul odor.
 - Always keep the battery out of the reach of babies and small children, to avoid swallowing of the battery. Consult the doctor immediately if the battery is swallowed.
 - If the battery leaks:
 - Do not allow the leaking fluid to come in contact with skin or clothing. If already in contact, flush the affected area immediately with clean water and seek medical advice.
 - Do not allow the leaking fluid to come in contact with eyes. If already in contact, DO NOT rub; rinse with clean water immediately and seek medical advice.
 - Take extra precautions to keep a leaking battery away from fire as there is a danger of ignition or explosion.

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, Earphone (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/or NF EN 50332-2:2003 standards as required by French Article L. 5232-1.

- Earphone, manufactured by HTC, Model HS G235.

SAFETY IN AIRCRAFT

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 Airplane 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 phone near metal structures (for example, the steel frame of a building).
- Avoid using your phone 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 they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your 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

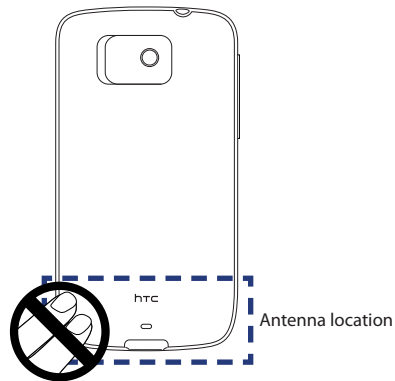
Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider, or call the customer service line to discuss alternatives.

NONIONIZING RADIATION

Your device has an internal antenna. This product should be operated in its normal-use position 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.

Use only the supplied integral antenna. Use of unauthorized or modified antennas may impair call quality and damage the phone, causing loss of performance and SAR levels exceeding the recommended limits as well as result in non-compliance with local regulatory requirements in your country.

To assure optimal phone performance and ensure human exposure to RF energy is within the guidelines set forth in the relevant standards, always use your device only in its normal-use position. Contact with the antenna area may impair call quality and cause your device to operate at a higher power level than needed. Avoiding contact with the antenna area when the phone is IN USE optimizes the antenna performance and the battery life.



General Precautions

- **Avoid applying excessive pressure to the device**
Do not apply excessive pressure on the screen and the device to prevent damaging them and remove the device from your pants' pocket before sitting down. It is also recommended that you store the device in a protective case and only use the device stylus or your finger when interacting with the touch screen. Cracked display screens due to improper handling are not covered by the warranty.
- **Device getting warm after prolonged use**
When using your device for prolonged periods of time, such as when you're talking on the phone, charging the battery or browsing the web, the device may become warm. In most cases, this condition is normal and therefore should not be interpreted as a problem with the device.
- **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 onto 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 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.
NOTICE: 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 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.

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Chapter 1

Getting Started

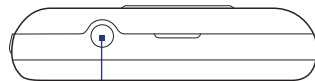
1.1 Inside the Box

The product package includes:

- HTC Touch2
- USB sync cable
- Battery
- AC adapter
- 3.5mm stereo headset
- Quick Start Guide

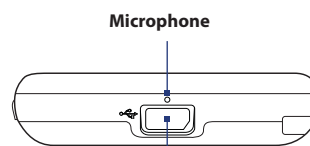
1.2 Getting to Know Your Phone

Top and bottom panels



3.5mm Audio Jack

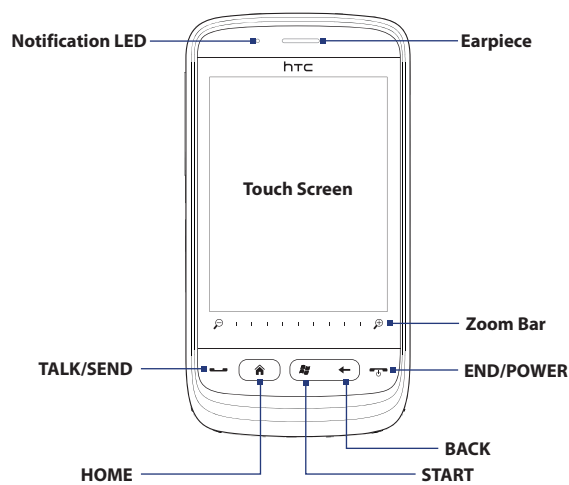
Connect a 3.5mm wired headset for hands-free conversation or for listening to music.



Sync Connector

- Connect the power adapter to recharge the battery.
- Connect the supplied USB cable to sync your phone with your computer.

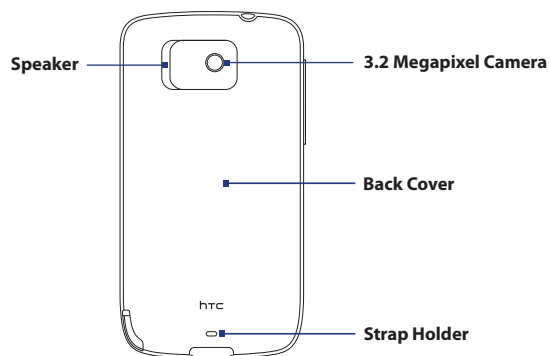
Front panel



Button	Function
Notification LED	<p>This LED shows a:</p> <ul style="list-style-type: none"> • Flashing green light when there is a missed call, new text message, new email, or other notification. • Solid green light when the phone is connected to the power adapter or a computer and the battery is fully charged. • Solid amber light when the battery is being charged. • Flashing amber light when the remaining battery level reaches below 10%.
Earpiece	Listen to a phone call from here.

Button	Function
TALK/SEND	<ul style="list-style-type: none"> • Press to answer a call or dial out. • During a call, press and hold to turn the speakerphone on and off. • While viewing a message, press to call the sender.
HOME	Press to return to the Home tab of the Home screen.
START	Press to open or close the Start screen.
BACK	Press to return to the previous screen.
END/POWER	<ul style="list-style-type: none"> • While in a call, press to end the call. • Press to turn the display on or off. • Press and hold to display the Quick List and choose whether to turn the power off, lock your phone, set your phone to vibrate, or disconnect the data connection.
Zoom bar	Use for zooming in and out.

Back panel



Left panel

VOLUME UP

Press to increase the earpiece volume during a call or the speaker volume.

VOLUME DOWN

Press to decrease the earpiece volume during a call or the speaker volume.

microSD Card Slot

(See "Storage card" later in this chapter for details.)



Right panel



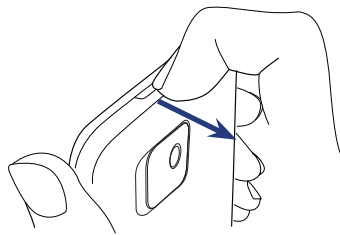
Stylus

1.3 Installing the SIM Card, Battery, and Storage Card

You need to remove the back cover before you can install the SIM card, battery and storage card on your phone. Also, make sure to always turn off the power before installing or replacing the SIM card and battery.

To remove the back cover

1. Make sure your phone is turned off.
2. Hold your phone securely with the front facing down.
3. With your thumb or finger, lift open the top of the back cover.



To replace the back cover

1. Secure the bottom part of the back cover first by aligning into the two openings located at the bottom part of the back of the phone.
2. Press the sides and the top part of the back cover down to lock the cover into place. You will hear a click when the back cover is locked in place.

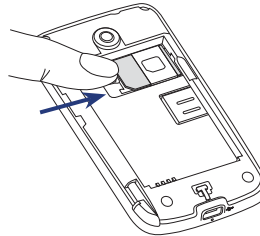
SIM card

The SIM card contains your phone number, service details, and phonebook/message memory. Your phone supports both 1.8V and 3V SIM cards.

Note Some legacy SIM cards may not function with your phone. You should consult with your mobile operator for a replacement SIM card. There may be fees for this service.

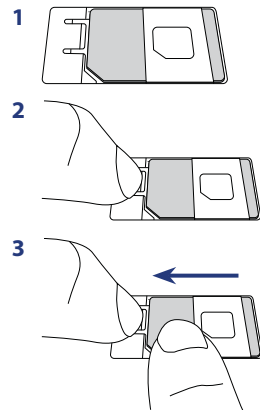
To install the SIM card

1. Make sure your phone is turned off.
2. Locate the SIM card slot, then insert the SIM card with its gold contacts facing down and its cut-off corner facing out.
3. Slide the SIM card completely into the slot.



To remove the SIM card

1. If the battery is installed, remove it to reveal the SIM card slot. See "To remove the battery" for instructions.
2. With your left thumb or finger, press down the small tab located at the left side of the SIM card slot.
3. With your right thumb or finger, slide the SIM card out from the slot.



Battery

Your phone comes with a rechargeable Lithium-ion battery and is designed to use only manufacturer-specified original batteries and accessories. Battery performance depends on many factors, including network configuration, signal strength, and usage patterns.

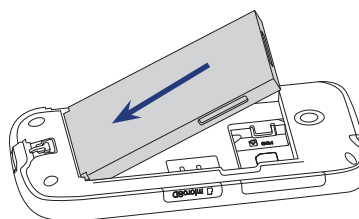
Warning!

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 regulations.

To install the battery

1. Align the battery's exposed copper contacts with the battery connectors inside the battery compartment.
2. Insert the contacts side of the battery first and then gently push the battery into place.
3. Replace the back cover. For instructions, see "To replace the back cover" in this chapter.



To remove the battery

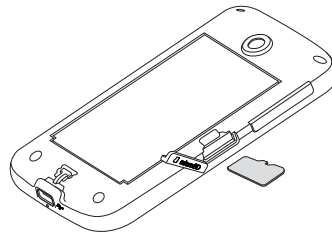
1. Make sure your phone is turned off.
2. Remove the back cover. See "To remove the back cover" for instructions.
3. Lift up the battery from the small opening on the right side of the battery compartment.

Storage card

To have additional storage for your photos, videos, music, and files, you can purchase a microSD™ card and install it into the your phone.

To install the microSD card

1. Remove the back cover. See “To remove the back cover” for instructions.
2. From the side of your phone, open the microSD slot cover.
3. Insert the microSD card into the slot with its gold contacts facing down until it clicks into place.
4. Close the microSD slot cover and replace the back cover.



To remove the microSD card

Press the microSD card to eject it from the slot.

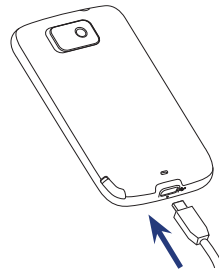
1.4 Charging the Battery



New batteries are shipped partially charged. Before you start using your phone, it is recommended that you install and charge the battery. Some batteries perform best after several full charge/discharge cycles.

To charge the battery

1. Connect the USB connector of the AC adapter to the sync connector on your phone.
2. Plug in the AC adapter to an electrical outlet to start charging the battery.

Note Only the AC adapter and USB sync cable provided with your phone must be used to charge the battery.



As the battery is being charged while the power is on, a charging icon  appears in the title bar of the Home screen. After the battery has been fully charged, a full battery icon  appears in the title bar of the Home screen.

- Warning!**
- Do not remove the battery from the phone while you are charging it using the AC or car adapter.
 - As a safety precaution, the battery stops charging when it overheats.

1.5 Starting Up

After installing your SIM card and battery and charging the battery, you can now power on and start using your phone.

Turning the power on and off

To turn on the power

Press the END/POWER button.

When you turn on your phone for the first time, Windows Mobile starts up and prepares your phone for first time use.

To turn off the power

1. If the display is off, press the END/POWER button to turn the display back on.
2. Unlock your phone if the Lock screen is displayed. See “Lock Screen” for details.
3. Press and hold END/POWER for a few seconds.
4. On the Quick List screen, tap **Power Off**.

Switching to Sleep mode

Briefly press the END/POWER button to turn off the display temporarily and switch your phone to **Sleep mode**. Sleep mode suspends your phone to a low power state while the display is off in order to save battery power.

Your phone automatically goes into Sleep mode when you leave the phone idle after a certain period of time. You are still able to receive messages and calls while your phone is in Sleep mode. Your phone wakes up automatically when you have an incoming call. To wake up your phone manually, press the END/POWER button.

Tip You can set the display timeout period. For instructions, see “To change backlight and automatic Sleep mode settings” in Chapter 13.

1.6 Home Screen

The Home screen allows finger-touch access to the most important functions such as contacts, text messages, email, Internet, and more.



For more information about using the Home screen, see Chapter 3.

























1.7 Status Icons

Status icons are displayed in the title bar at the top of the screen. The following are some of the status icons that you may see on your phone.



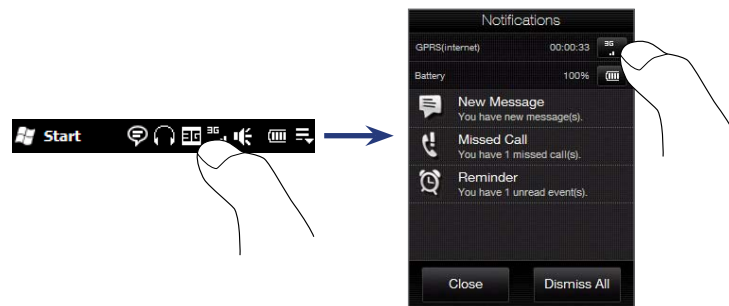
	Missed call		New text message; SMS notification of voicemail
	Battery charging		New email
	Full battery		HSDPA available
	Very low battery		HSDPA connected
	Sound on		WCDMA/UMTS available
	Silent		WCDMA/UMTS connected
	Vibrate		EDGE available
	Maximum signal strength		EDGE connected
	Phone connection is off		GPRS available
	Searching for phone service		GPRS connected
	No phone service		Wi-Fi on

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 No signal	 Connected to a wireless network
 Receiving MMS	 Multiple notifications
 New incoming MMS	 Wired headset connected
 Sending MMS	 Bluetooth on
 MMS sent	 Bluetooth visible mode on
 Cannot send MMS	 Bluetooth stereo headset connected
 Connection is active	 Voice call in progress
 Connection is not active	 Speakerphone on
 Sync in progress	 Call on hold
 Roaming	 Calls are forwarded
 Alarm	 Dialing while no SIM card is inserted
 New Windows Live™ message	 No SIM card inserted

1.8 Notifications

When you tap any of the status icons in the title bar, the Notifications screen opens and displays the remaining battery status, call duration of an ongoing phone call, as well as network connection status, such as Wi-Fi (if your phone is connected to a Wi-Fi network), data connection usage (if your data connection is on), and other types of connections. This screen also shows all your pending notifications including missed calls, new SMS/MMS messages, and more. Tap a status icon or item on the Notifications screen to open the related screen.



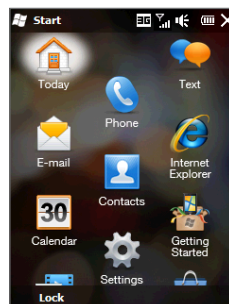
To close the Notifications screen, tap **Close** or press the **BACK** button on your phone.

1.9 Start Screen

The Start screen gives you one-touch access to the programs and settings of your phone. To open the Start screen, tap **Start** () at the top left corner of the screen, or press the START button ().

On the Start screen:

- Swipe your finger up or down to scroll through the screen.
- Tap the **Today** icon to return to the Home screen. See “Home” in Chapter 3 for details.
- Tap a program icon to open the corresponding program.
- Tap the **Settings** icon to access the settings of your phone.
- Tap Lock at the bottom-left corner of the Start screen to lock your phone. See “Lock Screen” for details.
- Press the START button to close the Start screen.



To move an icon to the top of the Start screen

You can move often used icons to the top of the Start screen for easy access.

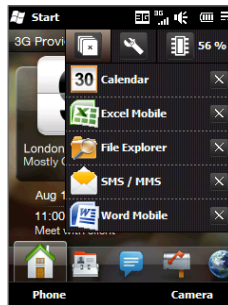
1. Tap and hold the icon that you want to move.
2. Tap **Move to Top**.

The icon is moved to the top of the Start screen.





To return an icon to its original location, tap and hold the icon and then tap **Move Down**.

1.10 Quick Menu

The Quick menu, which can be opened from the top right corner of the screen, shows the currently running programs. You can quickly switch between running programs, stop programs, and see how much program memory is being used.



On the Quick menu:

- To switch to a running program, tap the program name.
- To stop a running program, tap .
- Tap  to stop all currently running programs.
- Tap  to customize Task Manager settings. (See “Using Task Manager” in Chapter 13.)
-  56 % shows the total percentage of program memory in use. Tap to view more information about memory and storage card usage.

1.11 Lock Screen

The Lock screen is displayed whenever your phone is locked. You can lock your phone to prevent accidental button or touch screen presses when the phone is in your bag or pocket.



Locking your phone

Your phone automatically locks when one of the following occurs:

- The display is turned off (automatically or you have pressed the END/POWER button) and your phone goes to sleep mode. See “Switching to Sleep mode” earlier in this chapter for details.
- Your phone is password protected, and the set idle time has elapsed. Your phone locks itself and requires the correct password entry to unlock it. For more information about setting a password and idle time for your phone, see “Protecting your phone with a password” in Chapter 13.

You can also lock the phone manually. Tap **Start** and then tap **Lock** at the bottom-left corner of the Start screen.

Unlocking your phone



When you see the Lock screen, slide the **Lock** button () left or right to unlock your phone.

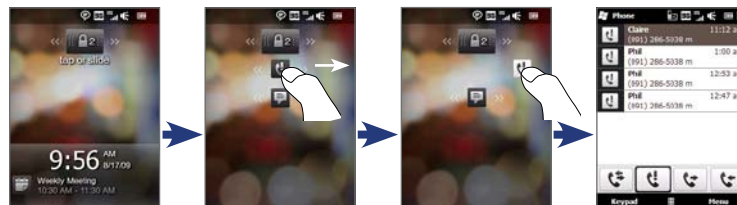
Note If you have set a password for your phone, you will be prompted for the password when you unlock the phone. See “Protecting your phone with a password” in Chapter 13 for information on setting a password.

Checking notifications when the phone is locked

When your phone is locked, you are still notified of missed calls, new messages, and upcoming appointments. The **Lock** screen shows the next upcoming appointment and the **Lock** button shows the number of notifications.

To view the notifications

1. On the Lock screen, tap the **Lock** button (). Notification buttons representing each type of received information, such as missed calls, new email, and new text messages, are then displayed below the **Lock** button.
2. Slide a notification button right or left to view the respective information. For instance, slide the Missed Call button () to access the Call History and view the missed calls.



Note If you have set a password for your phone, you will be prompted for the password before you can view the information. See “Protecting your phone with a password” in Chapter 13 for information on setting a password.

Receiving a call when the phone is locked

You can receive and answer calls even when your phone is locked. For more information about answering calls, see “Answering and Ending Calls” in Chapter 2.

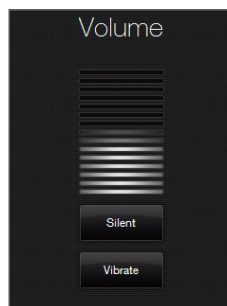
After you end the call, your phone remains locked and the Lock screen is displayed. You need to unlock to use your phone.

1.12 Adjusting the Volume

You can set a single volume for both the system (notifications and audio/video playback) and the ring volume, or set their volumes separately. You can also separately control the phone volume of an ongoing call.

To set a single volume

1. Press the VOLUME UP/DOWN button on the left panel of your phone to open the Volume screen.



2. To increase or decrease the volume level, drag your finger up or down the volume bars, or press the VOLUME UP/DOWN button. You can also:
 - Tap **Silent** to mute the volume.
 - Tap **Vibrate** to switch the phone to Vibrate mode.
3. The Volume screen automatically closes. You can also tap an empty area of the Volume screen to close it.

To adjust the system and ring volumes separately

1. On the Home screen, slide to the **Settings** tab, and then tap **Sound**.
2. Turn off the **Single Volume** option.
3. Press the VOLUME UP/DOWN button.
4. To switch between the Ring Volume and System Volume screens, tap **Ring** or **System** at the top of the screen.
5. To adjust the volume level, follow steps 2 to 3 in "To set a single volume".

To adjust the phone call volume

Press the VOLUME UP/DOWN button on the left panel of your phone to adjust the volume during an ongoing call.

1.13 Using Finger Gestures

You can use finger gestures to scroll and pan on the touch screen.

Finger scrolling

Finger scrolling can be used to scroll up and down Web pages, documents, and lists such as the contacts list, file list, message list, calendar appointments list, and more.

To scroll up and down

- To scroll down, swipe your finger upward on the touch screen.
To scroll up, swipe your finger downward on the touch screen.
- To auto-scroll, flick your finger upward or downward on the touch screen. Tap the screen to stop scrolling.

To scroll left and right

- To scroll towards the right, swipe your finger to the left.
To scroll towards the left, swipe your finger to the right.
- To auto-scroll, flick your finger left or right. Tap the screen to stop scrolling.

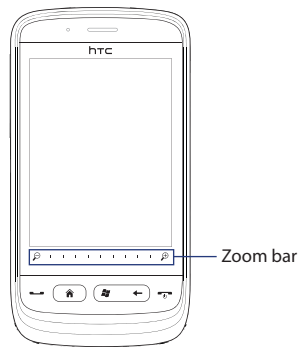
Finger panning

You can use finger panning to move to and view other parts of a zoomed photo, Web page, document, or an email. To pan, tap and hold on the touch screen and then drag your finger in any direction.

1.14 Using the Zoom Bar

The Zoom bar located below the touch screen is a handy zoom control that is unique on your phone. When you are viewing a Web page in the Web browser or a photo in Album, you can zoom in or out by sliding your finger across the Zoom bar.

You can also instantly enlarge or shrink the text size when you open and read messages or Word documents. Slide your finger across the Zoom bar to increase or decrease the text size. To increase or decrease the text size more, slide across the Zoom bar again.



1.15 Connecting Your Phone to a Computer

Whenever you connect your phone to the computer with the USB cable, the Connect to PC screen displays and prompts you to choose the type of USB connection:

ActiveSync

Select this mode when you need to do the following:

- Sync Outlook email messages, contacts, calendar appointments, files, and other data between your phone and your computer.
- Have read and write access to the whole phone.

For more information about using ActiveSync, see Chapter 5.

Disk Drive

This mode is available for selection only when you installed a microSD card on your phone. Select this mode when you want to use your storage card as a USB thumb drive, and copy files between your phone's storage card and your computer faster.

When Disk Drive mode is enabled while your phone is connected to the computer:

- You will not be able to use your phone to access files from the storage card or run applications that are installed on the storage card.
- Your computer will only connect to the phone's storage card. When you access your phone from the computer, you will only see the contents of the phone's storage card.

Internet Sharing

When you do not have Internet access on your computer, you can select this mode to use your phone as a modem for your computer. For more information about using Internet Sharing, see "Using Your Phone as a Modem (Internet Sharing)" in Chapter 8.

Chapter 2

Contacts and Phone Calls

2.1 Contacts

Contacts is your address book for people and businesses you communicate with. You can add **Outlook contacts** to your phone and **SIM contacts** to your SIM card.

Note Windows Live contacts can automatically be added to your stored contacts after you set up Windows Live™ on your phone. See “Using Windows Live” in Chapter 8 for details.

Opening the Contacts screen

Tap **Start > Contacts**, or from the Home screen, slide to the **People** tab and then tap **All People**.

Adding new contacts to your phone

1. On the Contacts screen, tap **New**, select **Outlook Contact**, and enter the contact information.
2. In the **File as** field, choose how you want the contact name to appear in the contact list.
3. To add a photo of the contact, tap **Select a picture**, and then select the photo. You can also tap **Camera** to take a photo of the contact.
4. To assign a ring tone to the contact, tap the **Ring tone** field, scroll through the list of tones, and then select a desired tone.
5. When finished, tap **OK**.

Tip To edit contact information, tap the contact name and then tap **Menu > Edit**.

Adding a contact to your SIM card

1. On the Contacts screen, tap **New**, and then select **SIM Contact**.
2. Enter a contact name and phone number, and then tap **OK**.

Tip You can also use the SIM Manager to add and edit contacts on your SIM card. For more information, see “SIM Manager” in Chapter 12.

Assigning contacts with categories

For easier contact management, you can assign contacts with categories.

1. Create a new Outlook contact or edit an existing Outlook contact.
2. Tap **Categories**.
3. Select a preset category such as Business or Personal, or tap **New** to create your own category.
4. When finished, tap **OK**.

Browsing and filtering the contacts list

When browsing through a long list of contacts, you can filter the list by the type of contacts or by categories. You can also enter the first few letters of a name to display only contact names that start with the letter that you entered.

- Tap a letter or slide your finger along the Quick Scroll bar on the right side of the Contacts screen to select a letter and jump directly to the part of the contacts list where contact names start with that letter.



- To filter the contacts list by the type of contacts or by categories, tap **Menu > Filter** and then select whether to display only **SIM Contacts, Device Contacts**, or contacts of a certain category.
To show all contacts again, select **Menu > Filter > All Contacts**.
- Tap the text box that shows **Enter a name** on top of the screen. When you begin entering letters in this text box, your phone automatically filters the contacts list and displays only contacts that start with the letters that you entered.

Creating an email or messaging group

To easily send email or text messages to a group of people without having to enter each contact manually every time, you can create an email group or messaging group. When you want to send a message to all group members, simply select the group name and enter your message.

1. On the Contacts screen, tap **New** and then tap **E-mail Group** or **Messaging Group**.
2. Enter a name for the group.
3. Tap **Add Member**.
4. From the list of contacts, tap to select the contacts you want in the group. To clear a selection, tap the contact again. To search for a contact, use the **Enter a name** field at the top.
5. Tap **Done**. The list of group members is shown.
Tip On the right side of each contact name, the contact method for each member is shown. For example, **m** is the contact's default mobile phone number, and **e** is the contact's main email address. To use a different phone number or email address, for example **E-mail2**, tap the group member and then tap the contact method to use.
6. Tap **OK** to save the group.

Sharing contact information

You can quickly send contact information to another phone through Bluetooth or text messaging.

To send contact information via Bluetooth

1. Tap and hold a contact on the Contacts screen.
2. Tap **Send via Bluetooth**, and then select the phone where to send the contact.

Note Before sending, make sure Bluetooth is turned on and set to visible mode on your phone and the target phone. You can also send contact information to your computer. See Chapter 9 for details.

To send contact information via text messaging

1. Tap and hold a contact on the Contacts screen.
2. Tap **Send Contact > SMS / MMS**.
3. Select the types of information you want to send, and then tap **Done**.
4. In the new text message, enter the mobile phone number of the recipient, and then tap **Send**.

Working with multiple contacts

You can select multiple contacts to delete them, send them via Bluetooth, or copy them to or from your SIM card.

To select multiple contacts, on the Contacts screen, tap **Menu > Select Contacts > Several**, and then tap the contacts you want to select. Tap a selected contact to clear selection.

2.2 Making Calls



To make a call, you can either dial a number or select a contact you want to call. While viewing a message that you received, you can also directly call the sender of the message.


Note Most SIM cards are preset with a PIN (personal identification number) that is provided by your mobile operator. When prompted, enter the preset PIN, then tap **Enter**. If you enter the wrong PIN three times, the SIM card is blocked. If this happens, you can unblock it with the PUK (PIN Unlocking Key) obtained from your mobile operator.

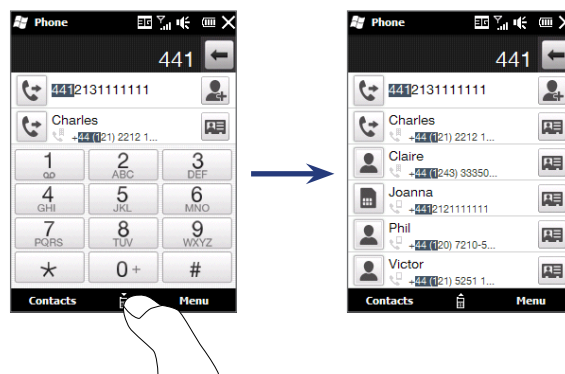
Making a call from the Phone dialer screen


The Phone dialer's Smart Dial feature makes it quick and easy for you to place a call. Simply enter the phone number or first few letters of the person you want to call. Smart Dial automatically searches and filters your contacts list (stored on your phone and SIM card) and the phone numbers from the Call History. From the filtered list, select the number or contact you want to call.


1. To open the Phone dialer screen, press the TALK/SEND button on your phone.
2. Begin entering the first few numbers or letters by tapping the keys on the Phone keypad. As you enter numbers or letters, the Phone dialer screen displays matches found.

If you tap a wrong number or character, tap  to erase each subsequent digit or character. To erase the entire entry, tap and hold .

3. Tap  to close the keypad and to see if there are more matching numbers or contacts found. To browse through the filtered list, flick through the list or slide your finger up or down the list slowly.



4. To call a number or contact, do one of the following:
 - Tap the desired phone number or contact from the list.
 - To call a different phone number associated with the contact, tap the contact card icon  on the right side of the contact name. On the contact summary screen, tap the number you want to call.

- Tips**
- During a call, use the VOLUME UP/DOWN button on the side of your phone to adjust the phone volume.
 - To save a phone number to your contacts, tap the **Save to Contacts** button ().

Making calls from received messages and calendar reminders

While you are viewing a text or email message, you can directly call the sender of the message if the sender is a stored contact on your phone. You can also call a phone number that is contained in the body of the message. For more information about calling from received text messages, see “Messages” in Chapter 3 and “Directly making calls from text messages” in Chapter 6. For more information about calling from received email, see “Mail” in Chapter 3 and “Directly making calls from email messages” in Chapter 6.

You can also directly make calls from meeting request email and calendar reminders. See “Making a call from a meeting request or reminder” in Chapter 7 for details.

Making an emergency call

On the Phone dialer screen, enter the international emergency number for your locale, and then press the TALK/SEND button on your phone.

Tip Additional emergency numbers may be included in your SIM card. Contact your mobile operator for details.

Making an international call

1. Tap and hold the number 0 key on the Phone dialer screen until the plus (+) sign appears. The plus (+) sign replaces the international prefix of the country that you are calling.
2. Enter the full phone number you want to dial, and press the TALK/SEND button on your phone. The full phone number includes the country code, area code (without the leading zero, if any), and phone number.

Calling voicemail

Number 1 is generally reserved for your voicemail. Tap and hold this button on the Phone dialer keypad to call voicemail and retrieve your voicemail messages.

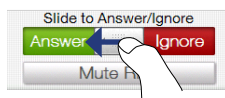
2.3 Answering and Ending Calls

When you receive a phone call, the Incoming Voice Call screen will appear, allowing you to either answer or ignore the call.

Accepting or rejecting an incoming call

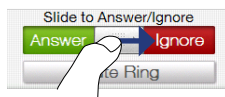
To answer a call

Press the TALK/SEND button, or fully slide the center button of the **Answer/Ignore** bar to the left.



To reject a call

Press the END/POWER button, or fully slide the center button of the **Answer/Ignore** bar to the right.



To mute the ring without rejecting the call

Tap **Mute Ring** or press the VOLUME DOWN button.

To reject a call and send a text message

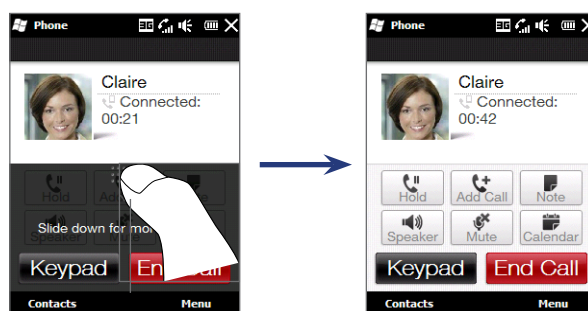
You can automatically send a text message to the caller and reject the incoming voice call. Tap **Send Text** when you have an incoming call, use the preset message or enter another message, and then tap **Send**.

To change the preset message for rejecting calls in your phone settings, open the Phone dialer screen, tap **Menu > Options > Advanced** tab, and then enter your new preset message in the provided text box.


During a call


When a call is in progress, a shade covers the Phone's on-screen buttons to prevent accidental taps. Only the **Keypad** and **End Call** buttons are active.

To access the on-screen buttons, slide your finger down, starting from the top of the shade. Use these on-screen buttons to put a call on hold, dial or accept another call for a three-way call, and more.





To use the speakerphone

To turn the speakerphone on or off during a call, tap the on-screen **Speaker** button () or press and hold the TALK/SEND button on your phone.



The speakerphone icon () appears in the title bar when the speakerphone is on.

Warning! To avoid damage to your hearing, do not hold the phone against your ear when the speakerphone is on.

To mute the microphone during a call

Tap the **Mute** button () to turn the microphone on or off. When the microphone is turned off, the mute icon () appears on the screen.

To take two calls and switch between the calls

1. Press the TALK/SEND button to accept a second call, or tap the **Add Call** button () to dial a second call. The first call is put on hold when you accept or dial the second call.
2. To switch between the two calls, tap the **Swap** button () or tap the dim area on-screen that shows "On Hold".




To end calls

To end the current call, tap **End Call** or press the END/POWER button. If you have two ongoing calls, tap **Menu > End all calls** to end both calls.

2.4 Making Conference Calls

Making a conference call on your phone is quick and easy. You can dial or accept multiple calls one at a time and join them into a conference call.

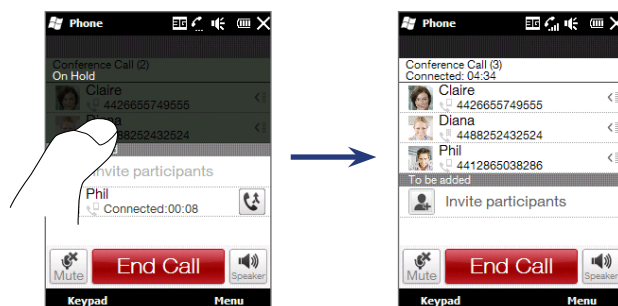
Note Make sure your SIM card is enabled with conference calling service. Contact your mobile operator for details.


1. Make a call to the first participant or accept an incoming call.
2. When connected, accept a second call, or slide down the shade and then tap the **Add Call** button () to call the second participant. The first participant is put on hold when you accept or dial the second call.
3. When connected to the second participant, tap the **Conference** button () to start a conference call.
4. To add another participant to the conference call, tap **Invite participants** and then dial another call. The conference call is put on hold when you dial another call.
5. When connected, tap the **Join** button () to add the participant to the conference call.
6. Repeat steps 4 and 5 if you want to dial and add more participants to the conference call.

When you tap a participant while the conference call is in progress, you will see these buttons:



To talk in private with the selected participant, tap the **Private** button (👤). This separates the participant from the conference call and puts the others on hold. When you want to swap between the private call and the conference call, tap the dim area that shows “On Hold”.



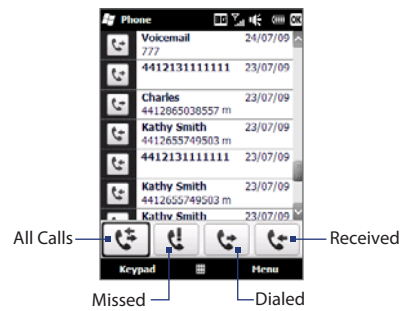
You can end the private call by tapping  or the **End Call** button at the bottom of the screen.

To end the conference call, add the private call back to the conference call first by tapping the **Join** button (👤), and then tap **End Call**.

2.5 Call History

The missed call icon (📞) appears in the title bar when you missed a call. Use the Call History to check who the caller was, or view all your dialed numbers and received calls. To open the Call History, tap **Call History** or **Missed Call** on the Home tab of the Home screen.

If you have a long list of calls in the Call History, tap one of the buttons at the bottom of the screen to filter the list according to the type of call.



2.6 Speed Dial

Use **Speed Dial** to call frequently-used numbers with a single tap. For example, if you assign a contact to the location **2** in Speed Dial, you can tap and hold the **number 2** key on the Phone dialer keypad to dial the contact's number.

Creating a Speed Dial entry

Number 0 and 1 keys are reserved and cannot be assigned as speed dial keys. The number **1** key is reserved for voicemail. You can set any number between 2 and 99 as a speed dial key.

1. Press TALK/SEND to open the Phone dialer screen.
2. Tap **Menu > Speed Dial**. The Speed Dial list will be displayed.
3. Tap **Menu > New**.
4. Tap a contact, then select the phone number of the contact that you want assigned to the speed dial key.
5. In **Location**, select an available key to use as the speed dial key.
6. Tap **OK**.

- Notes**
- When you assign a new phone number in an occupied speed dial key, the new phone number will replace the existing one.
 - To delete a Speed Dial entry, tap and hold the entry in the Speed Dial list and then tap **Delete**.

Making a call using Speed Dial

Do the following to call the contact that is assigned to a speed dial key:

- On the Phone dialer screen, tap and hold the assigned key, if it is a single-digit speed dial number.
- To dial a two-digit speed dial number, tap the first number key first, and then tap and hold the second number key.

2.7 Turning the Phone Connection On and Off

In many countries, you are required by law to turn off the phone while on board an aircraft.

To enable or disable the phone connection

1. Tap **Start > Settings > Connections > Comm Manager**.
2. Tap the OFF/ON slider at the right side of the **Phone** option to enable or disable the phone connection.

To enable or disable Airplane Mode

Another way to turn off the phone connection is to switch your phone to **Airplane Mode**. When you enable Airplane Mode, all wireless radios on your phone are turned off, including the phone connection, Bluetooth, and Wi-Fi.

1. Tap **Start > Settings > Connections > Comm Manager**.
2. Tap **Airplane Mode** to enable or disable Airplane Mode.

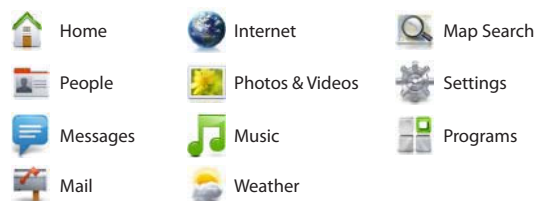
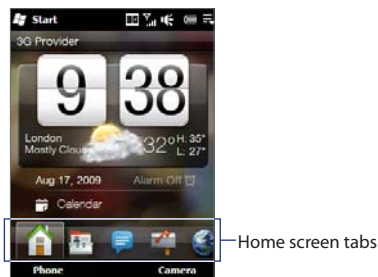
When you disable Airplane Mode, the phone connection is turned back on and the previous states of Bluetooth and Wi-Fi are restored.

Chapter 3

Using the Home Screen

3.1 What's on the Home Screen

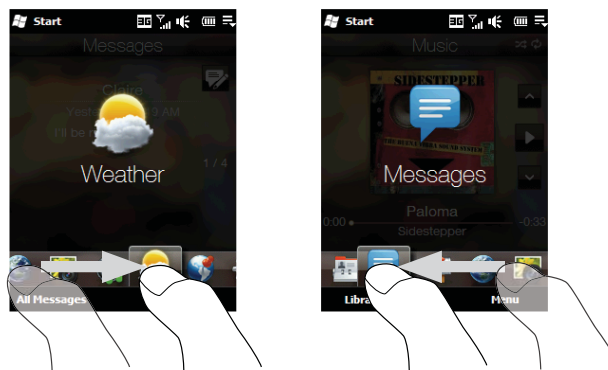
The Home screen of your phone allows finger-touch access to the most widely-used functions, such as People, Messages, Mail, Weather, Internet, and more. The Home screen has the following tabs:



Switching between the tabs of the Home screen

To switch between the tabs, you can do one of the following:

- Tap the desired tab on the Home screen.
- Press and hold your finger on the active tab, and then slide your finger right or left over the tabs. Release when you have selected the desired tab.



Tip While on any other tab or screen, press the HOME key to return to the Home tab.

3.2 Home

The **Home** tab displays a digital clock, the current date, and an alarm icon that indicates whether the alarm clock is on or off. Weather of your current location and the next calendar appointment are also shown on the Home tab.



Tap the digital clock if you need to set the date, time, and alarm clock. See “Changing Basic Settings” in Chapter 13 for details.

When you tap the weather image or data below the digital clock, the Weather Options screen opens and allows you to update the Home tab with the latest weather information of your current location. You can also choose to display the temperature in Celsius or Fahrenheit and change weather download settings.

Calendar opens when you tap the appointment that is displayed on the Home tab. For more information about using the Calendar, see “Using Calendar” in Chapter 7.

3.3 People

On the **People** tab, you can add favorite contacts and quickly make calls or send text and email messages to these contacts.

Adding contacts to your phone

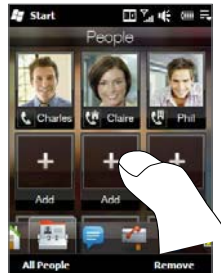
You need to have contacts already stored on your phone before you can add them as favorite contacts to the **People** tab. To add contacts, you can:

- Create new contacts on your phone. See “Adding new contacts to your phone” in Chapter 2 for details.
- Sync Outlook contacts from your computer to your phone. See Chapter 5 for details.
- Sync contacts from your existing Microsoft My Phone account, if you have one. See “Synchronizing With Microsoft My Phone” for details.

Adding favorite contacts to the People tab

You can add up to 12 favorite contacts to the **People** tab. (SIM contacts cannot be added as favorite contacts.)

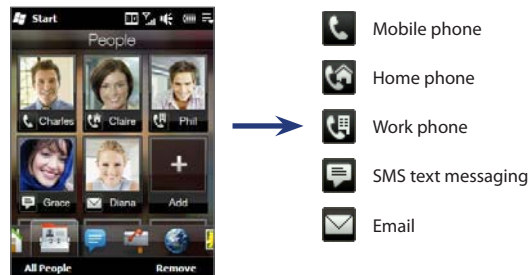
1. Tap an empty slot on the **People** tab.



2. On the Select a Contact screen, tap the name of the desired contact.
3. Select a phone number or email address to associate to the favorite contact. (If there is no picture associated with the contact, the next screen prompts you to assign a picture to the contact.)
4. Repeat steps 1 to 4 to add more favorite contacts to the People tab.

Quickly calling or sending a message to a favorite contact

On the **People** tab, the following icons are shown below the pictures to indicate the type of communication method that is associated to each favorite contact:



1. Swipe your finger up or down to scroll through the favorite contacts.
2. Tap below the picture of the desired contact. Your phone then dials the number shown below the contact picture, or creates a new message for you to compose and send.
3. Tapping a contact picture displays the contact summary. You can choose from other phone numbers or email addresses (if available) to reach the contact.

Removing a favorite contact

To remove a favorite contact from the **People** tab, tap **Remove**, tap the contact picture, and then tap **Done**.

3.4 Messages

The **Messages** tab is where you can quickly read text messages as they arrive and create a new text message.

This tab also displays received multimedia messages. An attachment icon is shown to indicate that a received message is a multimedia message. You only see the subject of the multimedia message.




Text message



Multimedia message

On the **Messages** tab, you can:

- Swipe your finger up or down the screen to flip through received text and multimedia messages.
- Tap a displayed message to view the entire message thread from the sender.
- Press TALK/SEND to open the Phone dialer screen and directly call the sender, if the sender is a stored contact.
- Tap **All Messages** to access your inbox and other message folders.
- Tap the **New Message** icon () on the upper right side of the screen to create a new text message.
- Tap **Menu** to access more options for handling messages.

For more information about working with text and multimedia messages, see Chapter 6.

3.5 Mail

The **Mail** tab is where you send and receive email messages.

Adding your Internet email account

On the **Mail** tab, easily add POP3 or IMAP email accounts from popular Web-based email providers such as Yahoo! Mail Plus and AOL or other email providers.

1. On the Home screen, slide to the **Mail** tab.
2. If this is your first time to set up an email account, tap **New Account** at the bottom of the screen. Otherwise, tap **Menu > New Account**.
3. On the subsequent screen, select an email provider. If your email provider is not listed, tap **Other**.
4. Enter your email address and password, and then tap **Next**.
5. Enter your name and the account display name, and then tap **Next**.

If the type of email account you want to set up is not in the phone database, the subsequent screens will prompt you to enter more details, such as the incoming and outgoing email server settings. Obtain these settings from your email provider.

6. Choose how often you want your phone to automatically send and receive email.
7. Tap **Done**.

Adding your Outlook work account

If you connect to an Exchange Server for your work email, calendar, contacts, and tasks, you can set up your Outlook work account on your phone. Although your phone supports multiple email accounts, you can only have one Outlook account on your phone at a time.

You need to set up and use an Outlook account that syncs with a server running Microsoft Exchange Server 2003 Service Pack 2 (SP2) or Microsoft Exchange Server 2007.

1. On the Home screen, slide to the **Mail** tab.
2. If this is your first time to set up an email account, tap **New Account** at the bottom of the screen. Otherwise, tap **Menu > New Account**.
3. On the subsequent screen, tap **Microsoft Exchange**.
4. Enter your email address and password, and then tap **Next**.
5. Obtain the Exchange Server settings, such as the domain and Exchange Server address, from your network administrator and enter them in the provided text boxes. (The server address must be the Outlook Web Access address.)
Also consult your network administrator if the option, **This server requires an encrypted (SSL) connection**, needs to be enabled or disabled.
6. Tap **Next**.
7. Clear the check boxes of the information types that you want to exclude from synchronization.
8. Tap **Done**. Your phone then syncs with the Exchange Server and downloads your email messages.

Checking and reading email

When you have newly received or unread email messages, the icon on the **Mail** tab and the respective icons of your email accounts will show the number of new email messages.



The mail icons displayed on the right side of the screen are your email accounts. Tap an icon to select an email account. If you have set up more than four email accounts, tap the down arrow below the mail icons to access the other accounts.

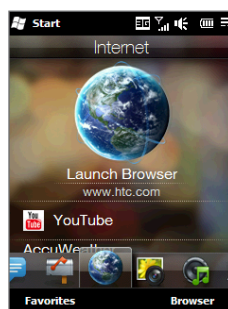
After selecting an email account, you can:

- Browse through received email messages in the selected account by swiping your finger up or down on the screen.
- Tap the displayed email message to open and read the message.
- Press TALK/SEND to open the Phone dialer screen and directly call the sender, if the sender is a stored contact.
- Tap the **New Email** icon (✉) to create a new email message.
- Tap **Inbox** to access the inbox and other message folders of your account.
- Tap **Menu** to choose whether to add another email account, send and receive email messages, and more.

For more information about working with email messages, see Chapter 6 and 7.

3.6 Internet

On the **Internet** tab, tap **Launch Browser** or the globe image to open Internet Explorer Mobile so you can browse the Web and search for information.



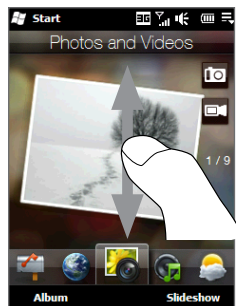
Swipe upward on the screen to scroll down and access the Web favorites.
For more information about using Internet Explorer Mobile, see Chapter 8.

3.7 Photos and Videos

The **Photos and Videos** tab lets you easily browse through your photos and video clips and view them in full screen. From this tab, you can also open Camera and capture photos and video clips.

On the **Photos and Videos** tab, you can:

- Flip through photos and videos by swiping your finger up or down the screen.



- Tap the displayed photo or video to view or play it in full screen.
- Tap the **Camera** button (📷) or **Video Camera** button (📹) on the right side of the screen to capture a photo or video using the Camera.
- Tap **Slideshow** to view the photos as a slideshow. If a video is selected, tap **Play**.
- Tap **Album** to view photos and videos using the Album program. (See "Viewing Photos and Videos Using Album" in Chapter 11 for details.)

Setting a favorite album

The **Photos and Videos** tab displays photos and video files from the current favorite album. By default, the Camera Shots album which stores the photos and videos that you captured using the Camera is set as the favorite album. You can change to another favorite album, if preferred.

1. On the **Photos and Videos** tab, tap **Album** at the bottom of the screen to open Album.
2. Tap **Albums** and then select one of the listed favorite albums.
3. Tap **Menu > Set Album as Favorite** and then tap **OK** on the confirmation screen.

- Tips**
- For more information about viewing in full screen, see “Viewing photos” and “Playing videos” in Chapter 11. The file formats that can be viewed on the Photos and Videos tab are the same as in Album.
 - To transfer media files from a computer and view them on the Photos and Videos tab, copy or sync them to a folder under **My Device** (the phone's memory) or **Storage Card** (if a microSD card is installed).

3.8 Music

The **Music** tab allows you to visually browse through albums and music tracks and play music.

Note Your phone searches for all supported music files from the following locations:
Phone: \My Music (including all subfolders)
 \My Documents (including all subfolders)
Storage Card: \Storage Card (including all subfolders)
For information about supported music file formats, see "Specifications" in the Appendix.

Playing music

To flip through albums and tracks and find the music you want to start listening to, swipe your finger up or down the screen, or tap the up and down arrow buttons at the right side of the screen. Tap the **Play** icon to start playing music.



To move forward or backward in the current music track

Tap and hold on the thin bar below the album art to display the progress bar:



Drag your finger right or left on the progress bar to move forward or backward in the current track.

To set repeat and shuffle modes

Tap **Menu > Repeat** and choose whether to repeat the current track, repeat all tracks in the current album or playlist, or not to repeat. To turn shuffle mode on or off, tap **Menu > Shuffle**.

The icons on the upper-right side of the **Music** tab show whether repeat and shuffle modes are enabled.



Repeat One



Repeat All



Shuffle On

The Library

The Library organizes music into categories, such as **All Songs**, **Artists**, **Album**, **Genre**, and more. When you add more albums or music tracks to your phone, go to the Library to locate and select the new albums or music tracks and play them on the **Music** tab.

To select music from the Library

1. On the **Music** tab, tap **Library**.
2. The **All Songs** category is displayed, listing all the music tracks found on your phone and storage card. Tap the first track or any track in the list.

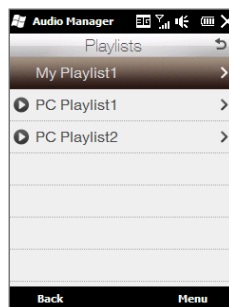
The **Music** tab then begins to play, starting from the track that you selected.

To choose from other categories

When you are in the **All Songs** list of the Library, tap the **Back** arrow (↶) on the upper right side of the screen to view other categories. When you tap a category and select a music track from it, you will be able to flip through and play tracks only from this category.

Playlists


There are two types of playlists that can be added to the Library and played on the **Music** tab:



- **Custom playlists** that are created on your phone.
- **Windows Media Player playlists** (▶) that are synchronized with Windows Media Player on your computer. (These playlists cannot be edited and deleted from your phone.)

Note If a Windows Media Player playlist contains a combination of music, video and image files, only music files in the playlist are synchronized to your phone and other media types are filtered out.

To create a playlist

1. On the **Music** tab, tap **Library**.
2. Tap the **Back** arrow () on the upper right side of the Library screen to display the list of categories.
3. Tap **Playlists**.
4. On the Playlists screen, tap **Menu > New**.
5. Enter a playlist name and then tap **OK**.
6. On the Playlists screen, tap the playlist you have just created, and then tap **Menu > Edit**.
7. Tap **Menu > Add**.
8. Select the check boxes of the music tracks that you want to add to your playlist, or tap **Menu > Select All** to choose all the music tracks.
9. Tap **OK** three times to return to the Playlists screen.

To play back a playlist

1. On the Playlists screen, tap to select a playlist.
2. Tap the first track or any track in the playlist. The **Music** tab then plays the tracks from the playlist, starting from the track that you selected.

Note Playlists are not automatically updated when music files have been deleted from the phone's memory or storage card.

3.9 Weather

Your phone automatically connects to the Internet to download weather information and displays the current weather as well as the weather information for the next four days of the week on the **Weather** tab.



On the **Weather** tab, you can:

- Swipe your finger up or down the screen to view the weather in other cities.
- Tap **Update Now** to download the latest weather information.
- Tap **Menu** and choose to add or delete a city or change weather settings.

Adding a city

The **Weather** tab can display weather information of up to ten cities, including your local city. Follow the steps below to add a city to this tab.

1. On the **Weather** tab, tap **Menu > Add Location**.
2. Scroll down the list of cities, or filter the list first by entering the first few letters of a country or city name and then tap the **Search** icon (🔍).
3. Tap the desired city and then tap **Select**.

Weather settings

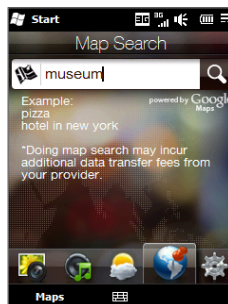
You can change the displayed temperature to Celsius or Fahrenheit on the **Weather** tab. You can also enable or disable auto download options.

1. On the **Weather** tab, tap **Menu > Settings**.
2. You can choose from the following options:
 - **Download weather data automatically.** When this option is selected, weather information is automatically downloaded whenever you select the **Weather** tab, if the data has not been updated within the last three hours. Weather data is also downloaded every time an ActiveSync connection is established.
Clear this option if you prefer to manually download weather information.
 - **Download when roaming.** Select this option only if you want to allow automatic download of weather data when roaming. This may incur additional data charges.
 - **Temperature Scale.** Choose whether to display temperature in Celsius or Fahrenheit.

3.10 Map Search (Available by Country)

The **Map Search** tab uses Google Maps to search for locations and display maps.

To search for a location, enter the street address or a place of interest (such as a restaurant, hotel, or others) in the search bar, and then tap the **Search** icon (🔍).



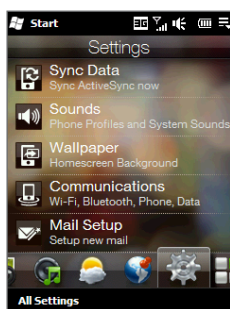
Google Maps then opens and displays matched results. Select the location that you want so you can view it on the map, get directions, and more.

On the **Map Search** tab, tapping **Maps** at the bottom of the screen also opens Google Maps. For more information about using Google Maps, see Chapter 10.

Tip Every time you search for places, they will be added to the history list and displayed on the Map Search tab. Next time you want to locate the same address or place of interest, you can just choose it from the history list. This list can store up to eight most recent entries.

3.11 Settings

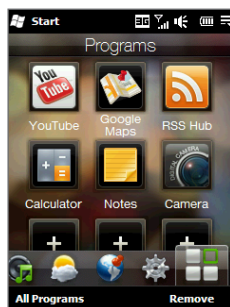
From the **Settings** tab, you can directly change some of the basic settings. This tab also gives you access to all the other settings of your phone.



Sync Data	Open ActiveSync and sync Outlook information. See Chapter 5 and 7 for details.
Sounds	Choose a phone profile and adjust other sound settings. See "Changing Basic Settings" in Chapter 13 for details.
Wallpaper	Change the Home tab wallpaper.
Communications	Manage the communication features of your phone. See "Using Comm Manager" in Chapter 13 for details.
Mail Setup	Set up your Internet or Exchange Server email account on your phone. See "Mail" earlier in this chapter.
All Settings	Access all phone settings.

3.12 Programs

You can add your favorite programs to the **Programs** tab for one-touch access. Tap an empty slot to add a program shortcut.



On the **Programs** tab, swipe your finger up or down to scroll through the screen and then tap the icon of the program you want to use. To access all programs of your phone, tap **All Programs**.

To remove a program from the **Programs** tab, tap **Remove**, tap that program, and then tap **Done**. To replace a slot with another program, you must delete the occupying program shortcut first and then add the new program.

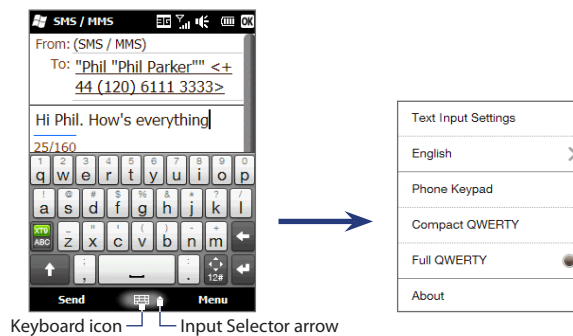
Chapter 4

Entering Text

4.1 Using the On-screen Keyboard

When you start a program or select a field that allows you to enter text or numbers, a keyboard icon will be displayed at the bottom center of the screen to indicate that the on-screen keyboard is available for use. Tap the keyboard icon to display or hide the on-screen keyboard.

Tap the **Input Selector** arrow that appears next to the keyboard icon to open a menu from which you can select different keyboard layouts and customize text input settings. You can choose from these keyboard layouts: **Full QWERTY**, **Compact QWERTY**, and **Phone Keypad**.





Full QWERTY

The **Full QWERTY** is a full on-screen QWERTY keyboard layout similar to a desktop PC keyboard.



Compact QWERTY


The **Compact QWERTY** is a type of on-screen keyboard which features 20 keys. With its large, touch-friendly keys and enhanced features such as XT9 predictive input, you can enter text faster and more accurately.






Phone Keypad


The **Phone Keypad** is a 12-key on-screen keypad that has a layout similar to mobile phone keypads, plus some additional keys. The Phone Keypad has large keys and enhanced input features such as XT9 predictive input, which makes it faster for you to enter text in your messages and documents.

Entering text

1. Start a program that accepts text input, such as Word Mobile.
2. Tap the **Input Selector** arrow, and then select **Full QWERTY**, **Compact QWERTY**, or **Phone Keypad**.
3. Start tapping keys on the keyboard to enter letters:
 - When using the Full QWERTY, tap keys on the keyboard as you would on a PC keyboard.
 - When using the Compact QWERTY, tap a key once to enter the first letter that shows on the key. To enter the second letter, tap twice.
 - When using the Phone Keypad, tap a key once to enter the first letter, twice to enter the second letter, or three times to enter the third letter that is shown on the key.
4. Tap and hold a key to enter a punctuation mark, symbol, or number that is shown on the upper half of the key. For example, to enter number 1, tap and hold .

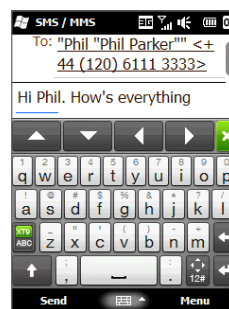
If there are accented characters also associated with the key (such as vowel keys), tapping and holding the key displays a selection bar. Slide your finger right or left across the selection bar to choose the accented character that you want to insert to your text.
5. Tap the CAPS shift key () to enter an uppercase letter. Tap this key twice to turn Caps Lock on when you need to enter consecutive uppercase letters.
6. Tap  to switch between using **Normal** text entry and **XT9** predictive mode. To learn how to enter text in XT9 mode, see “Using Predictive Mode” in this chapter.
7. Tap  to choose from more symbols or use a number keypad for faster numeric entry. See “Entering Numbers and Symbols” for details.

On-screen navigation pad

Tap and hold  to display the on-screen navigation pad so you can use it for on-screen directional control.

On the navigation pad, tap the up, down, left, or right key to move the text cursor in the direction that you want while you are entering or editing text. If you are browsing a list, you can tap up or down key to navigate the list and select an item from the list.


To close the navigation pad, tap .

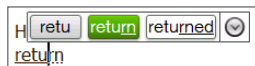



4.2 Using Predictive Mode

XT9 is a predictive text input mode which displays a word suggestions list as you enter the first few characters so you just select the word that you want.

To enter text using XT9 mode

1. Make sure that the input mode is set to XT9 ().
2. Start entering the first few letters of a word. As you enter each letter, suggested words will be displayed.



In the word suggestions list, the leftmost word shows the exact letters that you entered, while the other words are suggested words. If you don't see the word that you want, tap the down arrow icon () to see more suggested words.

3. When you see the word that you want, tap the word to insert it into your text.

When you see a word that you want highlighted in the suggestions list, you can also tap the Enter key or the Space bar to insert the word into your text.

To add a new word to the dictionary


While entering text using the Full QWERTY, Compact QWERTY, or Phone Keypad, new words can be automatically added to the dictionary. When you tap a suggested word or enter a word followed by a space, the word will automatically be added to the dictionary if it does not exist in the dictionary.

When using the Compact QWERTY or the Phone Keypad, you can also manually add new words to the dictionary.

1. While in XT9 mode, type a letter and then tap the down arrow icon (⌵) on the right side of the word suggestions list.
2. Tap **Add word**.
3. Type the new word you want to add and then tap the check mark icon (✓).

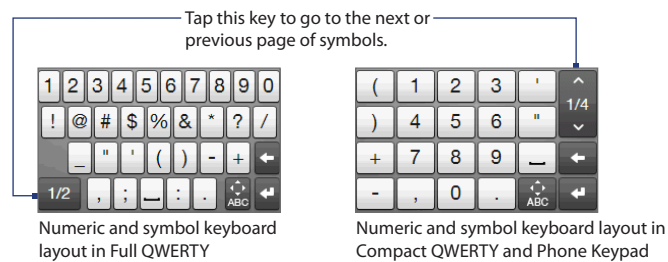
Add My Word:
acquisition ✓ ✕

4.3 Entering Numbers and Symbols

Tap  on the on-screen keyboard to switch to the numeric and symbol keyboard layout so you can easily enter numbers and common symbols such as parentheses, braces, currency signs, punctuation marks, special characters, and more.

Tap a number or symbol to insert it into your text. There are several pages of symbols that you can choose from.

To return to the alphabetic keyboard layout, tap .

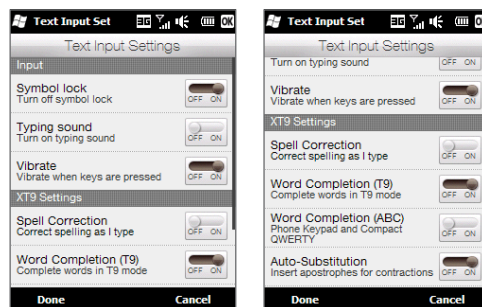


4.4 Text Input Settings

Text input settings can be accessed either from the keyboard layout selection menu or from the phone settings:

- From any of the keyboard layouts, tap the **Input Selector** arrow at the bottom of the screen and then tap **Text Input Settings**. Or,
- Tap **Start > Settings > Personal > Input > Input method** tab, and then tap **Options**.

On the Text Input Settings screen, tap the ON/OFF switches to enable or disable the various input settings.



Chapter 5

Synchronizing Information

5.1 Ways of Synchronizing Your Phone

You can take information wherever you go by synchronizing it to your phone. There are different ways you can sync your phone:

- **Sync information from your computer to your phone.**

The following types of information can be synchronized:

Microsoft® Office Outlook® information — Office Outlook email, contacts, calendar, tasks, and notes

Notes created using Microsoft® Office OneNote® 2007

Media — Pictures, music, and video

Favorites — Website addresses you save as Favorites in Internet Explorer on your phone or in the Mobile Favorites folder of Internet Explorer on your computer.

Files — Documents and other files

- **Sync your phone with your Outlook work account on the Exchange Server.** For more information about setting up your phone to sync with the Exchange Server, see Chapter 7.
- **Sync your phone with Microsoft My Phone.**

If you have a Microsoft My Phone account, you can sync and restore the contacts, calendar appointments, photos, and other information that you stored on your account to your current Windows phone.

5.2 Before Synchronizing With Your Computer

Before you can sync with your computer, you need to install and set up first the synchronization software on your computer. For more information, see “Setting Up Windows Mobile Device Center on Windows Vista” and “Setting Up ActiveSync on Windows XP” in this chapter.

After installing the synchronization software on your computer, connect the phone to your computer using the USB sync cable. When the Connect to PC screen appears on your phone, tap **ActiveSync**, and then tap **Done**.

You can also sync information with your computer using Bluetooth. See “Synchronizing via Bluetooth” later in this chapter.

- Notes**
- ActiveSync or Windows Mobile Device Center only syncs data on your computer and phone. If you have installed a storage card and you want to back up files from the storage card, use Windows Explorer on your computer to copy files from the storage card to your computer.
 - If you are sending your phone for repair or performing a hard reset, data from your phone will be lost. It is recommended that you sync your phone to your computer to back up your files. To back up files from the storage card to your computer, use Windows Explorer to copy files from the storage card to the computer.

5.3 Setting Up Windows Mobile® Device Center on Windows Vista®

Microsoft Windows Mobile® Device Center is the replacement for Microsoft® ActiveSync® on Windows Vista®. Some versions of Windows Vista come with Windows Mobile Device Center already installed. If Windows Mobile Device Center is not available on your Windows Vista, go to the following website for information on downloading and installing Windows Mobile Device Center to your computer: <http://www.windowsmobile.com/getstarted>.

Setting up synchronization in Windows Mobile Device Center

When you connect your phone to your computer and start Windows Mobile Device Center for the first time, you are asked to create a Windows Mobile partnership with your phone. To create a partnership:

1. Connect your phone to your computer. Windows Mobile Device Center configures itself, then opens.
2. On the license agreement screen, click **Accept**.
3. On the Windows Mobile Device Center's Home screen, click **Set up your device**.



Note Choose **Connect without setting up your device** if you only want to transfer media files, check for updates, and explore your phone but not sync Outlook information.

4. Select the items you want to sync and then click **Next**.
5. Enter a name for your phone and then click **Set Up**.

When you finish the setup wizard, Windows Mobile Device Center syncs your phone automatically. Notice that Outlook email messages and other information appear on your phone after synchronization.

Using Windows Mobile Device Center

To open Windows Mobile Device Center, click **Start > All Programs > Windows Mobile Device Center** on your Windows Vista computer.

On Windows Mobile Device Center, you can do the following:



- Click **Mobile Device Settings** to change sync settings.
- When you click **Pictures, Music and Video > XX new pictures/video clips are available for import**, a wizard guides you to tag and transfer photos from your phone to the Photo Gallery on your computer.
- Click **Pictures, Music and Video > Add media to your device from Windows Media Player** to sync music and video files using Windows Media® Player. For more information, see “Using Windows Media Player Mobile” in Chapter 11.
- Click **File Management > Browse the contents of your device** to view documents and files on your phone.

Note See Windows Mobile Device Center Help for more information.

5.4 Setting Up ActiveSync® on Windows® XP

On a Windows XP computer, you need to use Microsoft ActiveSync® 4.5 or later. If you do not have this software on your computer, go to the following website for information on downloading and installing Microsoft ActiveSync to your computer: <http://www.windowsmobile.com/getstarted>.

Setting up synchronization in ActiveSync

1. Connect your phone to your computer. The Synchronization Setup Wizard automatically starts and guides you to create a sync partnership. Click **Next** to proceed.
2. To sync your phone with your computer, clear the **Synchronize directly with a server running Microsoft Exchange** check box, then click **Next**.
3. Select the information types that you want to sync, then click **Next**.
4. Select or clear the **Allow wireless data connections** check box according to your preference.
5. Click **Finish**.

When you finish the wizard, ActiveSync syncs your phone automatically. Notice that Outlook email messages and other information appear on your phone after synchronization.

5.5 Synchronizing With Your Computer

Connect and sync your phone with your computer using the USB cable or Bluetooth connection.

Starting and stopping synchronization



You can manually sync either from your phone or computer.

From your phone

- On the Home screen, slide to the **Settings** tab and then tap **Sync Data**; or
- Tap **Start > ActiveSync**, and then tap **Sync**.
To end synchronization before it completes, tap **Stop**.



Tip To delete a partnership with one computer completely, disconnect your phone from that computer first. In ActiveSync on your phone, tap **Menu > Options**, tap the computer name, then tap **Delete**.

From Windows Mobile Device Center

1. Click **Start > All Programs > Windows Mobile Device Center**.
2. Click  at the lower left of the Windows Mobile Device Center.
To end synchronization before it completes, click .

From ActiveSync on your computer

When you connect your phone to your computer, ActiveSync automatically opens on your computer and syncs.

- To manually start synchronization, click .
- To end synchronization before it completes, click .

Selecting information to sync

You can select the information types and the amount of information to sync for each type either on your phone or your computer. Follow the steps below to change sync settings on your phone.

Note Before changing sync settings on your phone, disconnect your phone from your computer.

1. In ActiveSync on your phone, tap **Menu > Options**.
2. Select the check box for any items you want to sync. If you cannot select a check box, you might have to clear the check box for the same information type elsewhere in the list.
3. To change sync settings for an information type, for instance, **E-mail**, select it and tap **Settings**.

You can then set the download size limit, specify the time period of information to download, and more.

- Notes**
- Some information types such as Favorites, Files and Media cannot be selected in ActiveSync Options on your phone. You can only select or clear these items from your computer's Windows Mobile Device Center or ActiveSync.
 - A computer can have sync partnerships with many different Windows phones, but a phone can have sync partnerships with at most two computers. To ensure that your phone syncs properly with both computers, set up the second computer using the same sync settings you used on the first computer.
 - Outlook can be synchronized with only one computer.

Troubleshooting sync connection problem

In some cases, when the computer connects to the Internet or a local network, it may disconnect the connection with your phone in favor of the Internet or network connection.

If this happens, tap **Start > Settings > Connections > USB to PC**, and then clear the **Enable faster data synchronization** check box. This makes your computer utilize a serial USB connection with your phone.

5.6 Synchronizing via Bluetooth

You can connect and sync your phone with the computer using Bluetooth.

Note To connect and sync your phone with a computer via Bluetooth, your computer must have a built-in Bluetooth or installed with a Bluetooth adapter or dongle.

To sync with a computer via Bluetooth

1. Set up Windows Mobile Device Center or ActiveSync on your computer to sync through Bluetooth. See the program's Help for instructions.
2. Make sure that Bluetooth on both your phone and the computer are turned on and set to visible mode. See "Bluetooth Modes" in Chapter 9 for details.
If this is the first time you have connected to this computer via Bluetooth, you must first set up a Bluetooth partnership between your phone and the computer. For more information about creating a Bluetooth partnership, see "Bluetooth Partnerships" in Chapter 9.
3. On your phone, tap **Start > ActiveSync**.
4. Tap **Menu > Connect via Bluetooth**.

Note To conserve battery power, turn off Bluetooth when not in use.

5.7 Synchronizing Music and Video

If you want to carry your music or other digital media along with you while you travel, set up Windows Media Player on your computer to sync music and video with your phone.

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

- Install Windows Media Player Version 11 on your computer. (Windows Media® Player 11 works only in Windows XP or later versions).
- Connect your phone to the computer with a USB cable. If your phone is currently connected using Bluetooth, you must end that connection before media can be synchronized.
- Set up a sync partnership between your phone and your computer's Windows Media Player.

See "Using Windows Media Player Mobile" in Chapter 11 for details.

5.8 Synchronizing With Microsoft® My Phone

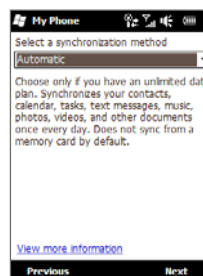
Microsoft® My Phone syncs information between your phone and a password-protected website hosted by Microsoft. You can back up and restore your contacts, calendar appointments, photos, and other information.

Note You can sync contacts, calendar, and tasks with My Phone only if your phone does not have a sync partnership with an Exchange Server.

Setting up your My Phone account

Whether you are setting up a new account or synchronizing to an existing account, the first step is to set up My Phone on your phone.

1. Tap **Start > Microsoft My Phone**.
2. Follow the instructions in the wizard to set up your My Phone account. During setup:
 - Sign in using your Hotmail or Windows Live address and password.
 - Set the sync method to **Automatic** or **Manual**, depending on your preference.



Changing sync settings

To change sync settings such as the sync schedule and items to synchronize, you need to access the settings from the menu.

To change which items to sync

1. Tap **Start > Microsoft My Phone**.
2. Tap **Menu > Options**.
3. Select the items you want to include or exclude during synchronization.
4. Tap **Done**.

To adjust sync schedule and roaming settings

1. Tap **Start > Microsoft My Phone**.
2. Tap **Menu > Schedule**.
3. Select from the available schedule options.
4. To enable automatic sync while roaming (when you are out of range of your home network), select the **Use these settings when roaming** check box.
5. Tap **Done**.

Stopping sync partnership with your My Phone Web account

You can stop synchronizing with your My Phone Web account on your phone. This does not delete the data that were synchronized to your phone and the data stored on your My Phone Web account.

1. Tap **Start > Microsoft My Phone**.
2. Tap **Menu > Account**.
3. Select **Stop Service**, and then tap **Done**.

Managing your My Phone Web account from your computer

You can use a Web browser on your computer to access your My Phone Web account and:

- Add, edit, or delete contacts, calendar appointments, and other types of information. Changes will be synchronized with your phone.
- View photos and videos that are stored on your My Phone account, delete them, save them to your computer, and more.

To access your My Phone Web account from your computer, go to <http://myphone.microsoft.com>, and sign in using your Hotmail or Windows Live address and password.


Chapter 6

Exchanging Messages

6.1 Text Messages

Send short text messages (SMS) to other mobile phones. If your message exceeds 160 characters, your text message is delivered as one but will be billed as more than one message.

Creating and sending a new text message

1. On the Home screen, slide to the **Messages** tab.
2. Tap the **New Message** icon () on the upper right side of the screen.
3. To add recipients, enter their mobile phone numbers in the **To** field, separating the numbers with a semicolon (;). You can also tap **To** or tap **Menu > Add Recipient** to add mobile phone numbers from your stored contacts.
4. Enter your message.
 - Tips**
 - To choose from preset messages, tap **Menu > My Text** and tap a desired message.
 - To check the spelling, tap **Menu > Spell Check**.
5. When finished, tap **Send**.

Tip If you want to know when a text message is received, before sending the message that you are composing, tap **Menu > Message Options**, and then select the **Request message delivery notification** check box. To always receive a delivery notification, tap **Menu > Tools > Options** in the text message list, tap **SMS / MMS**, and then select the **Request delivery notifications** check box.

Managing text messages in your Inbox

Text messages that are sent to and received from a contact or number are grouped as a single thread in your Inbox. Threaded SMS shows your messages to and from a contact in a single conversation thread.

To access your Inbox

Tap **Start > Text**, or from the Home screen, slide to the **Messages** tab and then tap **All Messages**.

To view the exchange of messages and send a reply

Text and multimedia messages received from and sent to a contact or number are grouped in the same thread. For information about opening and replying to multimedia messages in the same thread, see “Viewing and replying to MMS messages” later in this chapter.

1. In the SMS / MMS Inbox, tap a message thread to open it and view the exchange of messages with the sender.
2. You can tap links in the messages to directly access contact information, access a website, send email, or call the displayed number.
3. At the bottom of the screen, type your reply message and then tap **Send**.

To copy a text message in the thread to the SIM card

1. In the SMS / MMS Inbox, tap a message thread to open it.
2. Tap to select a message in the thread.
3. Tap **Menu > Copy to SIM**.

- Notes**
- You cannot copy a sent message from the thread to the SIM card.
 - Copying text messages from your phone to the SIM card results in duplicate messages in the Inbox when your SIM card is in use.

To delete one or more text messages in the thread

1. In the SMS / MMS Inbox, tap a message thread to open it.
2. Tap to select a message in the thread. To select several messages, tap **Menu > Select Messages > Several**, and then tap each message you want to delete.
3. Tap **Menu > Delete**.

To delete all messages in a thread

In the SMS / MMS Inbox, tap and hold a message thread, and then tap **Delete**.

Directly making calls from text messages

While you are viewing a text message on the Home screen's **Messages** tab or in your Inbox, you can directly call the sender of the message, if the sender's phone number is stored in your contacts.

1. While viewing the text message, press the TALK/SEND button.
2. The Phone dialer screen then opens, with the sender's phone number automatically filled in and ready to be dialed. To place the call, press TALK/SEND again.

Tapping a phone number that is contained in a text message also allows you to call that number.

6.2 Multimedia Messages

Sending multimedia messages (MMS) to your friends and family is fun and easy. You can include pictures, videos, and audio clips in a multimedia message.

- Notes**
- Multimedia messaging is a charged service and has to be provisioned on your mobile phone account. Contact your mobile operator to have multimedia messaging provisioned as part of your calling plan.
 - Make sure the size of multimedia messages that you send is within the limits allowed by your mobile operator.

Changing the MMS settings

Check your phone to see if it is preconfigured with your mobile operator's MMS settings. Add the MMS settings of your mobile operator if there are no preset MMS settings found on your phone.

- Note** If your phone already has preset MMS settings, it is recommended that you do not change these settings. If you change the preset settings, your phone may not be able to send and receive MMS messages.

To configure MMS message settings

1. Tap **Start > Text**, or from the Home screen, slide to the **Messages** tab and then tap **All Messages**.
2. Tap **Menu > MMS Options**. The Settings screen then appears.
3. In the **Preferences** tab, choose from the available options according to your needs.
4. Tap the **Servers** tab and check if your phone is preset with MMS server settings. If there are no preset settings, tap **New** and enter the MMS settings which you obtained from your mobile operator.
5. Tap **Done**.

- Note** If you add several MMS message service providers to the Settings screen, you can choose one as your default provider. Select the provider's name in the list, and then tap **Set As Default**.






Creating and sending MMS messages

You can compose MMS messages in a combination of slides, where each slide can consist of a photo, video or audio clip, and text.

To compose an MMS message

1. Tap **Start > Text**, or from the Home screen, slide to the **Messages** tab and then tap **All Messages**.
2. Tap **Menu > New > MMS**.
3. When the Choose a MMS screen opens, tap a preset template, or tap **Custom** to open a blank MMS message.

Note If you prefer to start composing from a blank MMS message every time, select the **Always choose custom** check box.
4. In **To**, enter the recipient's phone number or email address directly, or tap **To**, **Cc**, or **Bcc** to choose a phone number or an email address stored in your contacts.

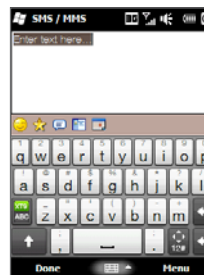
Note You may need to scroll up to see the Cc and Bcc fields.
5. Enter a subject for your message.
6. Tap the **Insert** icon () to insert a photo or video clip. When selecting a photo or video clip, you can:
 - Tap the photo or video clip to insert it into the MMS message.
 - Tap  to take a photo and insert it into the MMS message.
 - Tap  to record MMS video and insert it into the MMS message.
 - Tap  to quit selection and return to the MMS message.
7. Enter text and insert audio clips by tapping the respective areas. See "To add text to an MMS message" and "To add an audio clip to an MMS message" for details.
8. To add more slides, tap  or tap **Menu > Slides > Insert Slide**. Repeat steps 5 and 6 to add photos/videos, text, and audio to your slides.
9. Tap **Send** to send the MMS message.

Tip You can also send an MMS message from Camera, Album or Pictures & Videos.

To add text to an MMS message

When you tap **Insert text here** on your MMS message, an empty screen appears where you can enter your text. You can also choose from common words or phrases from the My Text list, insert emoticons, a Favorites link, and more.

Tip To edit or delete a phrase on the My Text list, tap and hold a string, and then tap **Edit** or **Delete** from the shortcut menu. To add a new phrase, tap **New**.

**To add an audio clip to an MMS message**

You can add one audio clip per slide in your MMS message.

1. Tap **Insert audio** on your MMS message.





By default, the My Documents is shown. Tap My Music or another folder that contains audio files. When navigating folders, tap the down arrow (▼) to return to the upper folder.

2. Select an audio file. When selected, you can:

- Tap to play the audio clip, to pause, or to stop playback.
- Tap **Select** to insert it to the MMS message.
- Tap to quit selection and return to your MMS message.

Note To record a new audio clip and add it to your MMS message, tap . The Record pop-up window then opens. Tap **Record** to start recording, and **Stop** to end the recording. Tap **Play** to listen to the recorded audio clip, then tap **Add**. The new audio clip is then inserted to the MMS message.

Viewing and replying to MMS messages

1. In the SMS / MMS Inbox, select the mobile phone number or name of the contact who sent you the MMS message.
2. In the threaded message, tap the MMS icon (), and then use the playback controls ( ,  , and ) to view the MMS message.
3. Tap **Contents** to see a list of files included in the message. On the Message Contents screen, you can do the following:
 - To save a file, select it, and tap **Menu > Save**.
 - To save the contents of a text file to the My Text list, tap **Menu > Save into My Text**.
 - To associate a photo to one of your contacts, tap **Menu > Assign to Contact**.
4. After viewing the MMS message, tap **Menu > Reply > via MMS** to reply with an MMS message or tap **Menu > Reply > via Text Message** to reply with a text message.

Blocking a phone number from sending you MMS messages

If you do not want to receive MMS messages from a particular sender, you can add the sender's phone number to the MMS blacklist.

1. When you receive a new MMS message, open and view the message.
2. To avoid receiving multimedia messages from this sender next time, tap **Menu > Show > Contact Details**.
3. Tap **Menu > Save to Blacklist**.
4. Tap **Done**.

Tip To unblock a phone number and allow the sender to send you MMS messages, remove the number from the blacklist. Go to the SMS / MMS Inbox, tap **Menu > MMS Options > Blacklist** tab, tap and hold the phone number in the blacklist, and then tap **Delete**.

6.3 Email

You can set up the following types of email accounts on your phone:

- Outlook email that you sync with your computer or the Exchange Server.
- Email account that you have from an Internet Service Provider (ISP) or other email provider.
- Web-based email accounts such as Yahoo!® Mail Plus, AOL®, and others.
- Custom domain email accounts. The email domain name is hosted by a different email provider. For more information, search for “custom domain email” in the Help on your phone.
- Work account that you access using a VPN connection.

Synchronizing Outlook email with your computer

If you have installed the synchronization software on your computer and created a partnership with your phone, then your phone is ready to send and receive Outlook email.

If you have not yet installed the synchronization software nor created a partnership, do so by following the procedures in Chapter 5.

Tip To set up your company email account so that you can access Outlook email messages wirelessly, you must set up your phone to sync via an over-the-air connection with your company’s Exchange Server. For more information about synchronizing with your company email server, see Chapter 7.

Setting up your Internet email account

On the **Mail** tab of your Home screen, easily set up POP3 or IMAP email accounts from popular Web-based email providers such as Yahoo! Mail Plus and AOL or other email providers. See “Mail” in Chapter 3 for instructions.

Creating and replying to email messages

After setting up email accounts on your phone, you can start sending and receiving email messages.

To create and send an email

1. On the Home screen, slide to the **Mail** tab.
2. At the right side of the screen, tap an email account you want to use.
3. Tap the **New E-mail** icon (✉).
4. To add recipients, enter their email addresses, separating them with a semicolon (;). You can also tap **To** if you want to add email addresses stored in Contacts.
5. Enter a subject and compose your message.



- Tips**
 - To choose from preset messages, tap **Menu > My Text** and tap a desired message.
 - To check the spelling, tap **Menu > Spell Check**.

6. To add an attachment to your message, tap **Menu > Insert** and tap the item you want to attach: **Picture**, **Voice Note**, or **File**. Select the file or picture you want to attach, or record a voice note.
7. When finished composing the message, tap **Send**.

- Tips**
 - For more information about entering text and symbols, see Chapter 4.
 - If you are working offline, email messages are moved to the Outbox folder and will be sent the next time you connect.

To reply to or forward an email

1. On the Home screen, slide to the **Mail** tab, select the email account, and then tap **Inbox**.
2. Open the message and tap **Menu > Reply**, **Menu > Reply All**, or **Menu > Forward**.
3. Enter your reply message, and then tap **Send**.

When viewing email

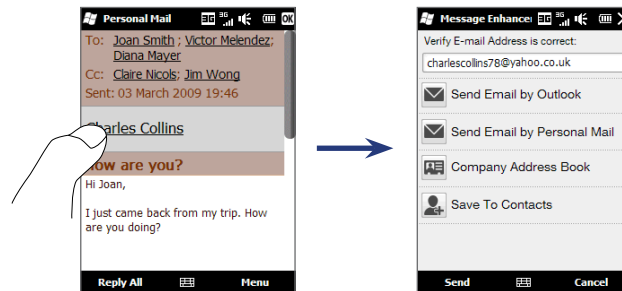
By default, long email messages that you receive contains only the first few kilobytes of the message. When you open an email, it displays only the headers and part of the message. You must download the whole email to view the complete content.

To download a complete email message, open the email, and then do one of the following:

- Scroll down to the end of the message, and then tap **Get entire message and any attachments** (POP3 email account) or tap **Get the rest of this message** (IMAP4 and Outlook email accounts).
- Tap **Menu > Download Message**.

Note Download may take some time, depending on the speed of your Internet connection, size of the whole email, and whether file attachments are automatically downloaded.

From the email message you are viewing, tap the sender's photo when you want to access the sender's contact information. If the sender or another recipient of this email is not in your stored contacts, you can tap the person's name and then tap **Save to Contacts** to save the person's email address to your phone contacts. You can also send an email to the sender or recipient.



Downloading file attachments

Depending on your type of email account, your phone may or may not automatically download file attachments with the email messages.

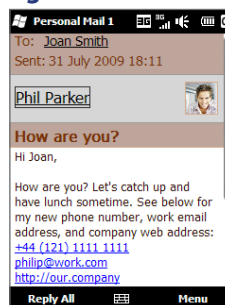
- **POP3 email account:**
File attachments are automatically downloaded with the email message.
- **IMAP4 and Outlook email accounts:**
File attachments appear below the subject of an email message. Tapping an attachment opens the attachment if it has been fully downloaded or marks it for download the next time you send and receive email.

You can set automatic download of file attachments. See “Customizing email settings” in this chapter for details.

Directly making calls from email messages

You can directly place a call to the sender of an email message if the sender’s phone number is stored in your contacts. From the Home screen’s **Mail** tab, Inbox, or an open message, press the TALK/SEND button. The Phone dialer screen then opens, with the sender’s phone number automatically filled in and ready to be dialed. Press TALK/SEND again to dial the number.

You can also tap links in the message body to call the displayed number, send email, and access a website.



Synchronizing email messages

Synchronizing email messages ensures that new email messages are downloaded to the phone Inbox folder, email messages in the Outbox folder are sent, and email messages deleted from the server are removed from your phone. The manner in which you sync email messages depends on the type of email account you have.

To automatically sync an Outlook email account

1. Connect your phone to your computer through USB or Bluetooth.
Otherwise, connect through Wi-Fi or a data connection if you are synchronizing Outlook email with the Exchange Server. For more information, see Chapter 7.
2. Synchronization automatically begins, and your phone sends and receives Outlook email.

To manually sync your Outlook or Internet email account

1. Tap **Start > E-mail**, or from the Home screen, slide to the **Mail** tab.
2. Select the email account you want to sync.
3. Tap **Menu > Send/Receive**.

Customizing email settings

You can make changes to your email account settings or customize download and email size settings.

To change basic email settings

1. On the Home screen, slide to the **Mail** tab and then tap **Menu > Account Settings**.
2. Tap the email account that you want to modify and make the necessary changes. You can change your email address, password, email provider settings, and more, if you mistyped or chose any wrong options when you were setting up your account.

To customize advanced settings for an Internet email account

1. Tap **Start > E-mail**.
2. Tap **Menu > Options** and then tap the email account that you want to modify.
3. On the subsequent screen, you can:
 - Tap **Edit Account Setup** to modify settings such as your email address, password, and more, if you mistyped or chose any wrong options when you were setting up your email account.
 - Tap **Send/Receive Schedule** to change the time interval for sending and downloading email to your phone.
 - Tap **Download Size Settings** to set the message format to either HTML or plain text, select a download size for email messages, and choose whether or not to include file attachments when downloading email (for IMAP4 accounts only).

To customize settings for Outlook E-mail

1. Disconnect your phone from your computer.
2. Tap **Start > ActiveSync**.
3. Tap **Menu > Options**, select **E-mail**, and then tap **Settings**.
4. On the E-mail Sync Options screen, you can set the message format to HTML or plain text, select the download size limit, and choose whether to include file attachments when downloading email to your phone.
5. Close ActiveSync and reconnect your phone to your computer.

To store attachments on the storage card

1. Tap **Start > E-mail**.
2. Tap **Menu > Options > Storage** tab.
3. Select the **When available, use this storage card to store attachments** check box, and then tap **OK**.

6.4 Adding Your Signature in Sent Messages

You can set your phone to automatically add your name and other information as your signature in sent text and email messages:

1. Tap **Start > E-mail**, and then tap **Menu > Options**.
2. Tap **Signatures** and then tap the account to which you want to add your signature.
3. Select the **Use signature with this account** check box, and then enter your signature in the provided text box.
4. To also add your signature to replied and forwarded messages, select the **Use when replying and forwarding** check box.

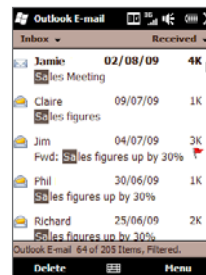
Note You need to specify your signature for each type of messaging account.

6.5 Filtering Your Inbox

When the SMS/MMS or email Inbox on your phone is full of messages, you can filter the Inbox to display only the messages that contain a particular sender or subject that you are searching for.

1. Tap **Start > Text** to access your SMS/MMS Inbox. To access your email Inbox, tap **Start > E-mail** and then tap an email account.
2. Enter the sender name or subject you want to look for. As you type characters, the message list narrows down to the sequence of characters you have entered.

When filtering your email Inbox, for example, entering "S", then "A" narrows down the list to only the email messages that contain sender names and email subjects that start with "SA."



Chapter 7

Working With Calendar and Company Email

7.1 Using Calendar

Use **Calendar** to create appointments, including meetings and other events. You can also sync Calendar appointments between your phone and computer.

To open the Calendar screen

On the **Home** tab of the Home screen, tap **Calendar** or a displayed appointment. You can also tap **Start > Calendar**.

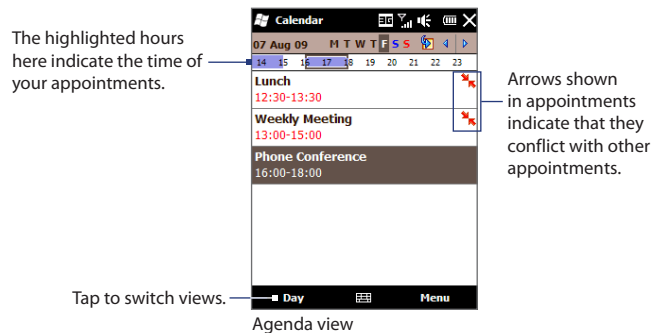
Creating appointments

1. Open the Calendar screen and then tap **Menu > New Appointment**.
2. Enter a name for the appointment.
3. Do one of the following:
 - If it is a special occasion such as a birthday or a whole-day event, set the **All Day** option to **Yes**.
 - If there is a time frame for the appointment, set the start and end dates and times.
4. Specify the type of category for your appointment, so that it can be grouped with other related appointments. Tap **Categories**, then select a preset category (Business, Holiday, Personal, or Seasonal), or tap **New** to create your own category.
5. When finished, tap **OK** to return to the Calendar screen.

- Notes**
- All-day events do not occupy blocks of time in Calendar; instead, they appear in banners at the top of the calendar.
 - To remove an appointment, tap **Menu > Delete Appointment**.
 - To have the time entered automatically in Day view, tap and drag to select a time slot for the new appointment, and tap **Menu > New Appointment**.

Viewing appointments

By default, Calendar displays appointments in **Agenda** view. You can also look at your appointments in **Day**, **Week**, **Month**, and **Year** views.



- To see detailed appointment information in any view, tap the appointment.
- To view appointments by category, tap **Menu > Filter**, and then select the desired category.
- To change the default view that Calendar uses to display appointments, tap **Menu > Tools > Options > General** tab. Tap the **Start in** box, and then choose the calendar view.

Setting the reminder time for new appointments

By default, Calendar has been set to display a reminder alert when you have new upcoming appointments. You can change the reminder time.

1. Open the Calendar screen.
2. Tap **Menu > Tools > Options > Appointments** tab.
3. Make sure the **Set reminders for new items** check box is selected.
4. Set the time when you want the reminder to alert you.
5. Tap **OK** to return to the Calendar screen.

Sending meeting requests

You can use Calendar to schedule meetings by sending meeting requests via email.

1. Open the Calendar screen.
2. Choose the email account to use for sending meeting requests. Tap **Menu > Tools > Options > Appointments** tab, tap the **Send meeting requests via** box, and then choose to send via your Outlook E-mail, POP3/IMAP4 or Windows Live™ account.
3. Schedule a new appointment, or open an existing one and tap **Menu > Edit**.
4. Tap **Attendees**, and then tap **Add Required Attendee** or **Add Optional Attendee** and add the contacts whom you want to invite.
Note If you're sending the meeting request using your Outlook work account, you can specify if an attendee is required or optional only if the Outlook E-mail account on your phone syncs with Microsoft Exchange Server 2007 or later version. Otherwise, all attendees are designated as required.
4. When you have finished adding attendees, tap **Done**.
5. Tap **OK** to send.

When attendees accept your meeting request, the meeting is automatically added to their schedules. When their response is sent back to you, your calendar is updated as well.

Making a call from a meeting request or reminder



When you receive a calendar reminder or meeting request email that contains a phone number, you can tap the number to place the call.

7.2 Synchronizing With the Exchange Server

To keep up-to-date with your work email and meeting schedules and still have access to the Company Directory while you're out of the office, you can connect your phone to the Internet through Wi-Fi or a data connection and sync with your company's Exchange Server.

Setting up an Exchange Server connection

To access your Outlook work email and meeting schedules from your phone, you need to set up an Exchange Server connection on your phone. You can set this up from the Home screen's **Mail** tab. See "Mail" in Chapter 3 for instructions.

Starting synchronization

Before you start synchronizing with the Exchange Server, make sure your phone has been set up with a Wi-Fi or data connection to the Internet so that you can sync over the air. For more information about connections, see Chapter 8.

After you finish setting up an Exchange Server connection, your phone automatically starts synchronization.

To manually start synchronization, tap **Start > ActiveSync** and then tap **Sync**. Another way is to tap **Sync Data** from the Home screen's **Settings** tab.

Note If you connect your phone to your office computer via a USB or Bluetooth connection, you can use this connection to the computer to "pass through" to the network and download Outlook email messages and other information to your phone.

7.3 Working With Company Email Messages

Your phone gives you instant access to your company email messages and lets you manage your messages easier. Direct Push, Fetch Mail, Remote email search, and email flags are just some of the tools you can use to manage your email messages.

Note Some messaging features depend on the Microsoft Exchange Server version used in your company. Check with your network administrator for the availability of these features.

Automatic synchronization through Direct Push

Direct Push technology (push email feature) enables you to receive new email messages on your phone as soon as they arrive in your Inbox on the Exchange Server. 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 have a Wi-Fi or data connection on your phone.

You need to perform a full synchronization between your phone and the Exchange Server before Direct Push can be enabled.

Requirement The Direct Push feature works for your phone only if your company is using Microsoft Exchange Server 2003 Service Pack 2 (SP2) with Exchange ActiveSync or later.

To turn on Direct Push in Comm Manager

1. On the Home screen, slide to the **Settings** tab and tap **Communications**.
Tip You can also tap **Start > Comm Manager**.
2. On the Comm Manager screen, tap the OFF/ON slider at the right side of the **Microsoft Direct Push** item.

Note When Direct Push is off, you need to manually retrieve your email messages.

Scheduled synchronization

If you do not want to use Direct Push, you can set a regular schedule for synchronizing Outlook email and information.

1. In ActiveSync on your phone, tap **Menu > Schedule**.
2. Select from the available options to set the synchronization schedule.
Tip You can select a shorter interval in the Peak times box and a longer interval in the Off-peak times box, so that your email messages are synchronized more frequently when you are working. To set the days and hours that make up your peak and off-peak times, tap the **peak times** link at the bottom of the screen.

Instant download through Fetch Mail

The **Fetch Mail** feature downloads an entire email immediately without the need for you to perform a full Send/Receive action. This limits the download to just the email message that you want and helps save data cost.

Requirement Fetch Mail works for your phone only if your company is using Microsoft Exchange Server 2007 or later.

1. Tap **Start > E-mail > Outlook E-mail** and open an email message. (You can also open an email message from the Home screen's **Mail** tab.)
2. By default, only the first few words of the message are shown. To download the whole email, scroll to the end of the message, and then tap **Get the rest of this message**.
3. Wait for the remainder of the message body to download.

- Notes**
- For information about changing email sync options such as setting the download size for email, see "Customizing email settings" in Chapter 6.
 - When you receive an email that contains a link to a document such as a PDF or Microsoft Office document located on SharePoint or an internal file server, you can tap the link to view the document on your phone. You can view the document only if you have a Microsoft Outlook account that syncs with Microsoft Exchange Server 2007 or later. Exchange Server must also be set up to allow access to SharePoint document libraries or internal file servers.

Searching for email messages on the Exchange Server

You can access email messages that are not available on your phone by searching your Microsoft Exchange Server mailbox. The search results are downloaded and displayed in a Search Results folder.

Requirement Your company must be using Microsoft Exchange Server 2007 or later.

1. Tap **Start > E-mail > Outlook E-mail**.
2. Tap **Menu > Tools > Search Server**.
3. In the **Look for** text box, enter the search keyword.
4. Choose the date range of messages to search from.
5. In the **Look in** list, specify whether to search in the **Inbox**, **Sent Items**, or **All Folders**, and then tap **Search**.

Tip To clear the search results and return to the message list, tap **Menu > Clear Results**.

Flagging your messages

Flags serve as a reminder for you to follow-up on important issues or requests contained in email messages. Flagging messages, which has been a useful feature on desktop Outlook E-mail, can also be done in Outlook E-mail on your phone. You can flag received email messages on your phone.

Requirement Flags are enabled only if email messages are synchronized with Microsoft Exchange Server 2007 or later. Flags are disabled or hidden if email messages are synchronized with earlier versions of Microsoft Exchange Server.

To flag or unflag a message

1. Tap **Start > E-mail > Outlook E-mail**.
2. Open a message.
3. Tap **Menu > Follow Up** and select one of the following options:
 - **Set Flag** Mark the message with a red flag to remind yourself to follow it up.
 - **Complete Flag** Mark the message with a check mark to indicate that the issue or request in the email is already completed.
 - **Clear Flag** Remove the flag to unmark the message.

Note Email message reminders are displayed on your phone if the messages are flagged with reminders and synchronized from the Exchange Server.

Out-of-office auto-reply

Outlook E-mail allows you to retrieve and change your out-of-office status. Just like desktop Outlook, Outlook E-mail on your phone automatically sends an auto-reply message when you're not available.

To send out-of-office auto-reply messages

1. Tap **Start > E-mail > Outlook E-mail**.
2. Tap **Menu > Tools > Out of Office**.
3. In the **I am currently** list, select **Out of the Office**.
4. Enter your auto-reply message, and then tap **Done**.

Replying to meeting requests

When you receive a meeting request on your Outlook E-mail work account, you can reply by accepting or declining the request. The meeting request also clearly indicates whether or not there are conflicting or adjacent meetings.

Requirement You must have an Outlook E-mail work account that syncs with Microsoft Exchange Server 2007 or later.

1. When you receive a meeting request email, a notification is displayed on your phone. Open the email.
2. Tap **Accept** to reply and accept the meeting request, or tap **Menu > Decline** if you cannot attend the meeting.
 - Tips**
 - Before responding, you can check your availability during the time of the requested meeting by tapping **View your calendar**.
 - If the time of the meeting conflicts with your other appointments, a “Scheduling Conflict” status appears on top of the email.
3. Choose whether or not to edit your response email before sending, then tap **OK**.

If you accept the meeting request, it is automatically added as an appointment in Calendar on your phone.

7.4 Finding Contacts in the Company Directory

You can access information of your work contacts, such as their email addresses, from your company’s Company Directory on your phone. By having over-the-air access to the Company Directory, you can easily send email messages and meeting requests to anyone in your company.

Requirement Access to the Company Directory is available only if the Outlook E-mail work account on your phone syncs with **Microsoft Exchange Server 2003 SP2 or higher**, and you have completed your first synchronization with the Exchange Server.

When browsing contacts, composing email, or creating a meeting request

1. Sync with the Exchange Server.
2. Do any of the following:
 - While browsing through your contacts on the Contacts or Phone dialer screen, tap **Menu > Company Directory**.

- In a new email message, tap the **To** box (or tap **Menu > Add Recipient**), and then tap **Company Directory** on the top of the list.
 - When creating a meeting request and selecting required and optional attendees in Calendar, tap **Company Directory**.
3. Enter a partial or full contact name and tap **Search**. In the search results list, tap a contact to select it.
 4. You can save a contact from the Company Directory to your phone by selecting the contact, and then tapping **Menu > Save to Contacts**.

Note You can search for the following information as long as that information is included in the Company Directory: First name, Last name, Email name, Display name, Email address, or Office location.

When viewing a received Outlook email message

1. Open a received Outlook email message.
2. Tap the name of the sender or another recipient of the email message.
3. On the subsequent screen, tap **Company Address Book** to look up and view details about the sender or recipient.
You can also save the sender or recipient's email address and other details by tapping **Save to Contacts**.

Chapter 8

Internet

8.1 Ways of Connecting to the Internet

Your phone's networking capabilities allow you to access the Internet or your corporate network through Wi-Fi, GPRS/3G (or EDGE when available), or dial-up. You can also add and set up a VPN or proxy connection.

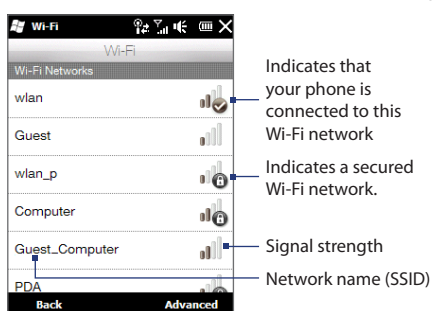
Wi-Fi

Wi-Fi provides wireless Internet access over distances of up to 100 meters (300 feet). To use Wi-Fi on your phone, you need access to a wireless access point or "hotspot".

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 turn Wi-Fi on and connect to a Wi-Fi network

1. On the Home screen, slide to the **Settings** tab and then tap **Communications**.
2. Tap **Wi-Fi**. Detected wireless networks are displayed on the screen.
3. Tap the desired Wi-Fi network.
 - If you selected an open (unsecured) network, you are automatically connected to the network.
 - If you selected a secured network, enter the security key and then tap **Done**. You are then connected to the network.



4. Tap **Back** to return to the Communications screen.

Next time you use your phone to detect Wi-Fi networks, you will not be prompted to enter the network key of the previously accessed Wi-Fi network (unless you perform a hard reset which will erase custom settings on your phone).

- Notes**
- Wi-Fi networks are self-discoverable, which means no additional steps are required for your phone to connect to a Wi-Fi network. It may be necessary to provide a username and password for certain closed wireless networks.
 - To turn off Wi-Fi, on the Communications screen, tap the OFF/ON slider at the right side of the **Wi-Fi** item.

To add a wireless network

1. Tap **Start > Settings > Connections > Wi-Fi** and then tap the **Wireless Networks** button.

The Configure Wireless Networks screen then opens.

2. Tap **Add New** and enter the details for connecting to the wireless network.

To set your phone to turn off Wi-Fi automatically

Wi-Fi quickly consumes battery power. Manually turn off Wi-Fi on the Communications screen when not in use. You can also set your phone to automatically turn off Wi-Fi after a specified timeout period.

1. Tap **Start > Settings > Connections > Wi-Fi** and then tap the **Wireless Networks** button.
2. On the Configure Wireless Networks screen, tap **Menu > Advanced**.
3. Select the timeout period for automatically turning off Wi-Fi when your phone is not connected to any wireless network.

GPRS/3G

Use **GPRS/3G** (or **EDGE**, if available) to connect to the Internet and to send and receive email on your phone. You will need a data plan to use your mobile operator's GPRS/3G network. Check with your mobile operator to find out about GPRS/3G rates.

If you completed the Connection Setup process for auto-configuring the data connection the first time you turned on your phone, your phone is ready to use GPRS/3G services. Do not change the connection settings as this may cause services to stop working. If you need to add another GPRS/3G connection on your phone, contact your mobile operator.

Note If you did not complete the auto-configuration process before, follow the instructions in "To manually select the network operator to use for data connections" in Chapter 13 to configure the data connection for your phone.

Dial-up

To set up a dial-up connection to your Internet Service Provider (ISP) 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.

1. Tap **Start > Settings > Connections** and then tap **Connections**.
2. Tap **Add a new modem connection**.
3. In the **Select a modem** list, select **Cellular Line**, and then tap **Next**.
4. Enter the ISP server phone number, and then tap **Next**.
5. Enter your user name, password, and any other information required by your ISP, and then tap **Finish**.

Starting a data connection

After setting up a data connection such as GPRS/3G or ISP dial-up on your phone, you can now connect your phone to the Internet. The connection is automatically started when you begin using a function that accesses the Internet such as email or the Web browser.

To manually start a data connection

If you have several types of data connections on your phone, you can manually start a connection.

1. Tap **Start > Settings > Connections** and then tap **Connections**.
2. Tap **Manage existing connections**.
3. Tap and hold the name of the desired connection, and then tap **Connect**.

To disconnect an active data connection


1. On the Home screen, slide to the **Settings** tab, and then tap **Communications**.
2. Tap the OFF/ON slider at the right side of the **Data Connection** item.

8.2 Using Internet Explorer® Mobile

Internet Explorer® Mobile is the standard Web browser that is included with Windows Mobile.

To open Internet Explorer Mobile
Tap **Start > Internet Explorer**.

The browser screen

Internet Explorer Mobile displays in two modes: full-screen and normal viewing modes. Full-screen mode hides the address bar and the browser controls. To change from full-screen to normal viewing mode, tap the **Restore** icon () at the bottom right corner of the browser screen.










In normal viewing mode, you can use the following browser controls:




- 1 Return to the previous Web page viewed.
- 2 Open the Favorites screen where you can add, edit, or delete Web favorites.
- 3 Display or hide the on-screen keyboard of your phone.
- 4 Display the on-screen zoom slider so you can zoom in or out of the page.
- 5 Open the browser menu and choose display options and other settings.

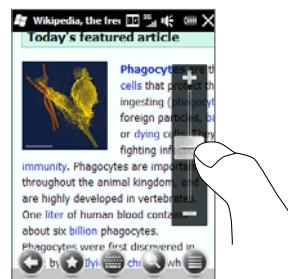
Entering a website address and adding it to your Web favorites

1. If Internet Explorer is in full-screen mode, tap the **Restore** icon ().
2. Tap on the address bar, enter the address of the website, and then tap the **Go** icon ().
3. After browsing the website, tap the **Restore** icon () again to display the browser controls, and then tap the **Favorites** icon ().
4. To create a new folder for saving the favorite, tap the **Folder** icon (), enter the folder name, and then tap **Add**.
5. To save the website address as a favorite, tap the plus icon (). Enter a descriptive name for the website, select the folder in which to save it, and then tap **Add**.
6. Tap the **Back** icon () to return to the browser screen.

Zooming and panning

Tap the **Zoom** icon () at the bottom of the browser screen to display and use the on-screen zoom slider. While viewing a Web page, slide your finger up on the on-screen zoom slider to zoom in, or slide down to zoom out.

You can also use the Zoom bar of your phone for zooming. See “Using the Zoom Bar” in Chapter 1 for details.



While zoomed in, drag your finger in any direction to move around the Web page. An indicator is displayed on the bottom right of the screen to show you which part of the zoomed page you are viewing.



8.3 Using YouTube™

YouTube™ lets you browse, search, and watch Internet videos that are posted in YouTube.

Note You need an active data or Wi-Fi connection to use YouTube. If you are using a GPRS/3G connection, watching Internet videos may significantly increase your data connection costs.

To open YouTube

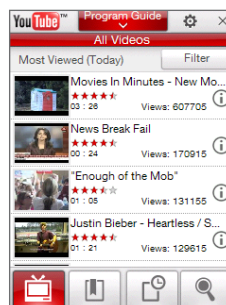
On the Home screen, slide to the **Internet** tab and then tap **YouTube**.

The YouTube main screen


Slide your finger up or down the main screen to browse through the most popular YouTube videos. You can browse for more videos by tapping **Download** at the bottom of the video list.

On the YouTube main screen, you can:

- Tap **Filter** to filter the list by type of video (Featured, Most Viewed, Top Favorited, or Top Rated) and by the time period when videos were uploaded to the YouTube server
- Use the Program Guide if you want to browse videos by channels. See “Using the Program Guide” for details.
- Tap ⓘ to view details about a video.
- Tap a video to watch it. See “Watching videos” for details.
- Tap the tabs at the bottom to switch between the different YouTube screens: Main screen, Bookmarks, History, and Search.



Searching videos



Tap the **Search** tab () to open the Search screen where you can specify your criteria for searching YouTube videos.

1. On the **Search** screen, enter the video information, and then tap **Search**.
YouTube searches for the video, and then displays all related videos on the screen.
2. Tap a video to watch it. See “Watching videos” for details.

Using the Program Guide

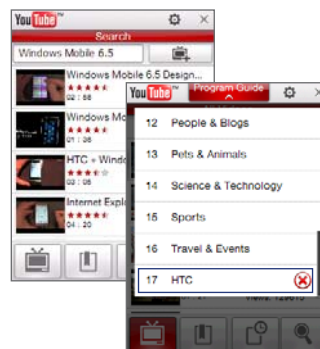
The Program Guide categorizes videos into channels so you can browse and watch related videos available on YouTube. You can also add your favorite video channel in the Program Guide.

To add a new channel


1. Search the channel or video you want to add to the Program Guide. See “Searching videos” for details.
2. In the search results list, tap  at the right side of the video or channel to open the details screen.
3. Tap , and then tap **OK** on the confirmation screen.

The channel you just subscribed to is shown when you tap **Program Guide**.

Tip You can also add a search information as a program channel.



To change the program channel


1. Tap  to return to the main screen and then tap **Program Guide** on top of the screen.
2. On the Program Guide, select a channel.

Tip You can scroll down to view more channels.

The video list refreshes to display the available videos for the selected channel.

To delete a program channel

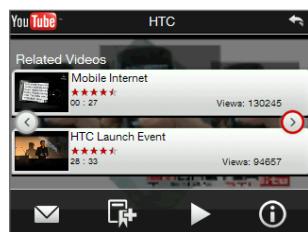
You can only delete channels that you have added to the Program Guide.

1. Tap **Program Guide**.
2. Scroll down to the channel that you want to delete, and then tap .
3. On the confirmation screen, tap **Yes**.

Watching videos

Tap a video on any YouTube screen, program guide channel, or search results list to launch the YouTube Video Player. Use the on-screen controls at the bottom of the player to control the playback.

Tip To adjust the volume, press the VOLUME UP and VOLUME DOWN buttons on the left panel of the phone.



After you stopped or finished watching the video, you can add the video to Bookmarks, send the link to this video by email, choose to watch other related videos, and more.

8.4 Using Streaming Media

Streaming Media lets you stream live broadcasts or on-demand media content from the Web. The media is sent in a continuous stream to your phone and is played as it arrives, along with the audio.

The Streaming Media program allows you to play **3GP** and **MPEG-4** files. It also supports playback of **SDP** (Session Description Protocol) files.

To access streaming content via the Web browser

Using the Web browser on your phone, you can open a Web page containing RTSP (Real Time Streaming Protocol) links to streaming media content then play the content in the Streaming Media program.

1. On the Home screen, slide to the **Internet** tab and tap **Launch Browser**.
2. In the address bar, enter the URL address of the Web page that contains the RTSP link to the desired *.3gp, *.mp4, or *.sdp file.
3. On the Web page, tap the RTSP link.
4. Streaming Media then automatically opens and starts playing the file. During playback, use the slider and button controls to play/pause, fast forward, view the video in actual size, expanded size, or full screen, and more.

To stream media files directly on the Streaming Media Player

Streaming Media only supports RTSP links when you stream *.3gp and *.mp4 files directly on the program.

1. Tap **Start > Streaming Media**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > Streaming Media**.
2. Tap **Menu > Connect**.
3. Enter the complete RTSP link, and then tap **Connect**. Streaming Media starts playing the file.
4. During playback, use the slider and playback control buttons to play/pause, switch to full screen, fast forward, and more.

To configure streaming video connection settings

Tap **Menu > Options** to configure the Streaming Media settings. From this screen, you can set the media buffer, select the connection to use, and set all streaming videos to play in full screen.


8.5 Using Windows Live™

Windows Live™ helps you quickly find information using Windows Live™ Search, access and sync your Windows Live™ Mail and contacts, and send instant messages using Windows Live™ Messenger.

To set up Windows Live for the first time

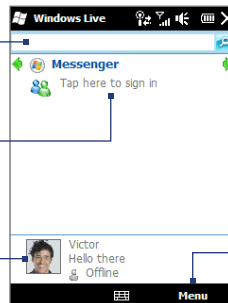
1. Tap **Start > Windows Live**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > Windows Live**.
2. Tap **Sign in to Windows Live**.
3. Tap the links to read the Windows Live Terms of Use and the Microsoft Online Privacy Statement. After reviewing them, tap **Accept**.
4. Enter your Windows Live Mail or Hotmail address and password, select the **Save password** checkbox, and then tap **Next**.
5. Tap **Next**.
6. Choose what information you want to sync online with your phone.
If you select **Store Windows Live contacts in your mobile phone's contact list**, your Windows Live contacts will be added to the contact list and to Windows Live Messenger on your phone.
If you select **Sync e-mail**, your Windows Live Mail or Hotmail inbox messages will be downloaded to your phone.
7. Tap **Next**.
8. After synchronization is complete, tap **Done**.

The Windows Live screen

Search bar. Enter the information you want to search, then tap .

Switch between the Windows Live Messenger, Windows Live Mail, and Sync status screens.

Change your display name, picture, and personal message.



Adjust Windows Live settings.

Using Windows Live Messenger

With this mobile version of **Windows Live Messenger**, you can send and receive instant messages.

To sign in to Windows Live Messenger and start a conversation

1. Tap **Messenger** on the Windows Live screen.
2. Tap **Sign in** on the Messenger screen. Signing in may take several minutes, depending on your connection speed.
3. In the contact list, select an online contact, and then tap **Send IM** to open the message screen.
4. On the message screen, enter your message in the text field, then tap the Enter key on the on-screen keyboard to send the message. You can also do any of the following on the message screen:
 - To add an emoticon, tap **Menu > Add emoticon**, then tap an emoticon on the screen. The emoticon is attached to your message.

- To send a file, tap **Menu > Send**, select the type of file (picture, voice clip, or any file), and then locate the file you want to send.
 - To invite one or more contacts to the conversation, tap **Menu > Options > Add participant**.
 - To send a voice message, tap **Voice clip** on the message screen, then start talking. When you have finished recording, tap **Send**.
5. To end the conversation with the current contact, tap **Menu > End conversation**.
 6. To sign out, tap **Menu > Sign Out**.

To add a Windows Live contact

You can add new Windows Live contacts in Windows Live Messenger.

1. Tap **Menu > Add new contact**.
2. Enter the email address of the contact, and then tap **OK**.

8.6 Using Your Phone as a Modem (Internet Sharing)

Internet Sharing connects your desktop or notebook computer to the Internet by using your phone's data connection such as GPRS/3G. You can connect via USB or Bluetooth.

Before you proceed

- Make sure your phone has a SIM card installed, and your phone has a GPRS/3G or dial-up modem connection. If your phone has not been set up with a data connection yet, tap **Menu > Connection Settings** on the Internet Sharing screen. For more information about setting up these connections, see "GPRS/3G" and "Dial-up" in this chapter.
- To set up your phone as a USB modem, you must first install Windows Mobile Device Center or Microsoft ActiveSync version 4.5 or later on the computer.
- To use a Bluetooth connection, make sure your computer has built-in Bluetooth capability. If your computer does not have Bluetooth, you can connect and use a Bluetooth adapter or dongle.

Setting up your phone as a USB modem

1. Connect the phone to your desktop or notebook computer using the USB sync cable.
2. When the Connect to PC screen appears, select **Internet Sharing**, and then tap **Done**.

The Internet Sharing screen then opens and automatically connects your computer to the Internet using your phone.

Using your phone as a Bluetooth modem

To use your phone as a Bluetooth modem for your computer, set up a Bluetooth Personal Area Network (PAN) between your phone and your computer.

To set up Bluetooth PAN on your phone

1. On your phone, turn on Bluetooth and set it to visible mode. For instructions, see “Turning Bluetooth on and making your phone visible” in Chapter 9.
2. Initiate a Bluetooth partnership from your phone. For instructions, see “Creating a Bluetooth partnership” in Chapter 9.
3. Tap **Start > Internet Sharing**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > 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, and then tap **Connect**.
6. Set up Bluetooth PAN on your computer. For instructions, see “To set up Bluetooth PAN on your computer”.
7. On the Internet Sharing screen on your phone, check whether a connected status message is displayed, which indicates that your computer has been successfully connected to the Internet using your phone as a Bluetooth modem.

To set up Bluetooth PAN on your computer

For Windows Vista:

1. Click **Start > Control Panel > Network and Sharing Center**.
2. Click **Manage network connections** and then under **Personal Area Network**, double-click **Bluetooth Network Connection**.
3. In the Bluetooth Personal Area Network Devices dialog box, select your phone, and click **Connect**.

For Windows XP:

1. Tap **Start > Control Panel > Network Connections**.
2. Under **Personal Area Network**, click the **Bluetooth Network Connection** icon.
3. Under **Network Tasks**, click **View Bluetooth network devices**.
4. In the Bluetooth Personal Area Network Devices dialog box, select your phone, and click **Connect**.

Note If the Bluetooth adapter or dongle on your computer was installed using a third-party driver, open the Bluetooth software that came with the Bluetooth adapter/dongle to connect your computer and phone via Bluetooth. Refer to the Bluetooth adapter/dongle documentation for more information.

Ending the Internet connection

On the Internet Sharing screen, tap **Disconnect**.

Chapter 9

Bluetooth

9.1 Bluetooth Modes

Bluetooth is a short-range wireless communications technology. Devices with Bluetooth capabilities can exchange information over a distance of about eight meters (26 feet) without requiring a physical connection.

Bluetooth on your phone operates in three different modes:

- **On.** Bluetooth is turned on. Your phone can detect other Bluetooth-enabled devices, but not vice versa.
- **Visible.** Bluetooth is turned on, and all other Bluetooth-enabled devices can detect your phone.
- **Off.** Bluetooth is turned off. In this mode, you can neither send nor receive information using Bluetooth.

Note Turn off Bluetooth when not in use to conserve battery power, or in places where using a wireless device is prohibited, such as on board an aircraft and in hospitals.

Turning Bluetooth on and making your phone visible


1. On the Home screen, slide to the **Settings** tab, and then tap **Communications > Bluetooth**.

Tip You can also tap **Start > Settings > Bluetooth**.

2. When prompted to turn on Bluetooth, tap **Yes**.
3. Tap the **Settings** tab (), and then tap **Not Discoverable**.

4. Tap the drop-down menu and then select **Always Visible**.

Note If you select **Visible for 60 seconds**, Bluetooth visibility will turn off automatically when the time elapses and your phone has not yet connected to another Bluetooth device.


5. Tap **Done**. The  icon then appears in the title bar to indicate that your phone is in visible mode.

Tip To easily switch Bluetooth off or back on, tap **Communications** on the Home Screen's **Settings** tab to open the Comm Manager and then tap Bluetooth's OFF/ON slider. Your phone remembers whether visible mode was previously enabled or disabled. If you did not disable visible mode, switching Bluetooth on in the Comm Manager also puts your phone in visible mode automatically. For more information about using the Comm Manager, see Chapter 13.

9.2 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 Bluetooth partnership

1. On the Home screen, slide to the **Settings** tab, and then tap **Communications > Bluetooth**.
2. On the **Settings** tab (), tap **Add a device**.
3. Tap a Bluetooth device to connect with.
4. Specify a passcode, which can be 1 up to 16 characters, to establish a secure connection, and then tap **OK**.

Note Your phone uses Bluetooth 2.1 with Secure Simple Pairing feature. If the other Bluetooth device you are pairing with also supports the same feature, the passcode will be automatically created and displayed on both your phone and the other Bluetooth device. Both you and other party simply need to verify that the passcode is the same and tap **Yes** to establish the partnership.


5. After the receiving party accepts the partnership, the Bluetooth device name is shown on your screen, including all Bluetooth services that you can use with it. Select the check boxes of the Bluetooth services you want to use, and then tap **Done**.
6. If you selected to use the Bluetooth Serial Port service of the paired device, select a local serial port to assign for the paired device, and then tap **Continue**.

The connected Bluetooth device now appears in the **Devices** tab ().

Tip Tap **Properties** to change the paired device name. Tap **Menu > Update** to update the list of services that you can use with the paired device.

Creating a Bluetooth partnership is a one-time process. Once a partnership is created, your phone and the paired device can recognize the partnership and exchange information without entering a passcode again.


Accepting a Bluetooth partnership


1. Ensure that Bluetooth is turned on and in visible mode.
2. When prompted, enter or accept the passcode (the same passcode from the device requesting the partnership) to establish a secure connection.
3. Tap **OK**. The paired device now appears in the **Devices** tab (). You can now exchange information with the paired device.

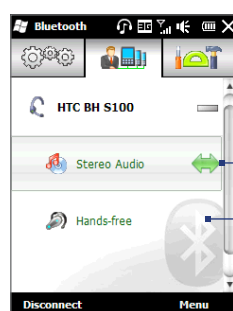
Tip To delete a Bluetooth partnership, select the device's name on the **Devices** tab, then tap **Menu > Delete**. When prompted to confirm, tap **Yes**.

9.3 Connecting 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 allows you to use a Bluetooth stereo headset for hands-free phone conversations and for listening to stereo music.

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, slide to the **Settings** tab, and then tap **Communications > Bluetooth**.
3. On the **Settings** tab (), tap **Add a device**.
4. Tap to select the hands-free or stereo headset from the list. Your phone will automatically pair with the Bluetooth headset.
Note Your phone will automatically try one of the preconfigured passcodes (0000, 8888) to pair with the Bluetooth headset. If this fails, you have to manually enter the passcode delivered with your headset.
5. When connected, the hands-free or stereo headset is shown on your screen, including the Bluetooth services (Hands-free and Stereo Audio) that you can use with it. Make sure these services are selected, and then tap **Done**.

The paired headset now appears in the **Devices** tab ().



The double arrowhead that is displayed to the right of a service indicates that the service is connected with your headset.

If you turn off your headset, the double arrowhead disappears to indicate that the service has been disconnected. Next time you turn on and use your headset again, you need to manually reconnect each service. Tap a service to reconnect.

9.4 Sending and Receiving Information Using Bluetooth

You can send the following types of information from your phone to your computer or to another Bluetooth-enabled device: Outlook email, contacts, tasks, notes, calendar items, audio files, ring tones, Images, and videos.



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

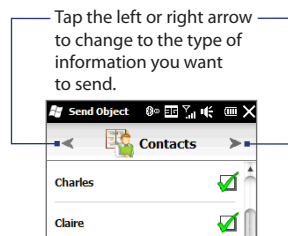
Sending information from your phone to a computer

1. Turn on Bluetooth on your computer and set to visible mode.

Note If the Bluetooth adapter or dongle on your computer was installed using a third-party provided driver, open the Bluetooth software that came with the Bluetooth adapter/dongle and enable the adapter/dongle to be discovered by other devices. Refer to the Bluetooth adapter's documentation for more information.

If your computer is installed with **Windows XP SP2** or later version and your computer's Bluetooth adapter is supported by your Windows version, do the following steps:

- a. On your computer, open **Bluetooth Devices** from the Control Panel, then click the **Options** tab on the **Bluetooth Devices** window.
 - b. For **Windows Vista**, select **Allow Bluetooth devices to find this computer**. For **Windows XP**, select **Turn discovery on** and **Allow Bluetooth devices to connect to this computer**.
 - c. Create a Bluetooth partnership between your phone and computer. For instructions, see “Creating a Bluetooth partnership”.
 - d. In the **Options** tab of **Bluetooth Devices**, select **Show the Bluetooth icon in the notification area**.
 - e. To enable your computer to receive information via Bluetooth, right-click the Bluetooth icon  in the notification area at the bottom-right corner of your computer screen and select **Receive a File**. You are now ready to send/receive.
2. Turn on Bluetooth on your phone and make your phone visible. For instructions, see “Turning Bluetooth on and making your phone visible”.
 3. Create a Bluetooth partnership. For instructions, see “Creating a Bluetooth partnership”.
 4. Tap the **Accessories** tab () , and then tap **BT Send Object**.
 5. Select the type of information and then select the check boxes of items you want to send.
 6. Tap **Send**.
 7. Tap to select the Bluetooth device to which you want to send the items.
 8. If you sent Outlook email messages, calendar items, tasks, or contacts to your computer and they are not automatically added to Outlook, select **File > Import and Export** in Outlook to import them.



To send information to a Bluetooth-enabled device such as another Windows phone, follow steps 2 to 7 in the above procedure.

Tip The default folder on your computer where sent items are stored may be C:\Documents and Settings\your_username\My Documents\Bluetooth Exchange Folder in Windows XP or C:\Users\your_username\My Documents\Bluetooth Exchange Folder in Windows Vista.

Sending a file to another Bluetooth-enabled device



1. Tap **Start > File Explorer**.
2. Navigate to the folder that contains the file you want to send.
3. Tap and hold the desired file, and then tap **Send via Bluetooth**.
4. Tap to select the name of the Bluetooth device to which you want to send the file.

Receiving information from another Bluetooth-enabled device

1. When you receive information such as calendar items, tasks, or contacts sent from another Bluetooth-enabled device, tap **Accept**.
2. After your phone has finished saving the information, tap **Done**.

Changing the folder for saving received files

Files that you receive from another Bluetooth-enabled device are saved in \My Documents on your phone. You can change the destination folder for saving received files:

1. On the Home screen, slide to the **Settings** tab, and then tap **Communications > Bluetooth**.
2. On the **Settings** tab () , tap **Advanced**.
3. Scroll down and then tap **File Transfer**.
4. Tap **Search** ().

5. Select the new destination folder, and then tap **Select**.

Tip To save received files on your storage card when it is inserted on your phone, select **Save files to storage card when present**. Files will be saved on the root folder of your storage card.


6. Tap **Done**.

9.5 Printing via Bluetooth

Connect your phone to a Bluetooth printer to print your photos.

Note Before you start printing, make sure to turn on the Bluetooth printer and turn on Bluetooth on your phone. For instructions, see “Turning Bluetooth on and making your phone visible” earlier in this chapter.


Printing a photo

1. On the Home screen, slide to the **Settings** tab, and then tap **Communications > Bluetooth**.
2. Tap the **Accessories** tab () , and then tap **Print Images**. Your phone then searches for photos that are stored on your phone and storage card.
3. Tap each photo that you want to select for printing. To select all photos, tap **Menu > Select All**.

Tip To clear a selected picture, tap that picture again.
4. After you have finished selecting photos, tap **Next**.
5. Tap to select the name of the Bluetooth printer.
6. Select the print layout to use, and then tap **Print**.

9.6 Connecting to Car Kit Phones

Bluetooth car kit phones that support the SIM Access Profile (SAP) can connect to your phone and access your SIM card via Bluetooth. Once a SAP connection has been established, you can download phone and SIM contacts from your phone to the car kit phone, and use the car kit phone to answer and make calls.

1. On the Home screen, slide to the **Settings** tab, and then tap **Communications > Bluetooth**.
2. Turn Bluetooth on and set your phone to visible mode. For instructions, see "Turning Bluetooth on and making your phone visible" earlier in this chapter.
3. On the **Settings** tab (), tap **Advanced**.
4. Scroll down and tap **SIM Access**.
5. Select the **Enable SIM Access Profile (SAP)** check box, and then tap **Done**.
6. Connect the car kit phone to your phone via Bluetooth. For instructions, refer to your car kit phone's manual.
7. If this is the first time you are pairing the car kit phone with your phone, enter the car kit phone's passcode on your phone.
8. A pop-up message should appear on your phone saying that a connection has been established between your phone and car kit phone. Tap **OK**.

Note You are not able to make and receive calls, send and receive messages, or perform related activities on your phone when the SIM Access Profile connection is active. You'll be able to make or receive calls from the car kit phone during this time. After the connection is disconnected, you will be able to use your phone as before.

Chapter 10

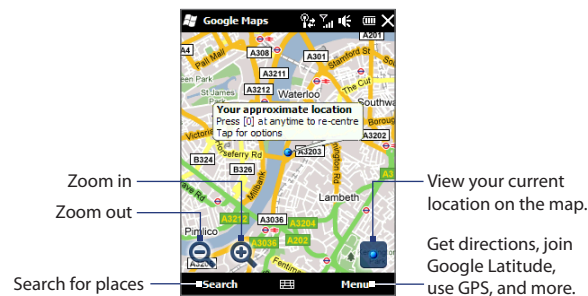
Navigating on the Road

10.1 Google™ Maps (Available by Country)

Google™ Maps tracks your current location through your phone's Wi-Fi connection, data connection, or GPS. With Google Maps, you can search for places of interest or a street address and get detailed directions to reach your selected destination. You can also easily locate addresses of your contacts if they are stored on your phone.

Opening Google Maps

Tap **Start** > **Google Maps**, or from the Home screen, slide to the **Programs** tab and then tap **Google Maps**.

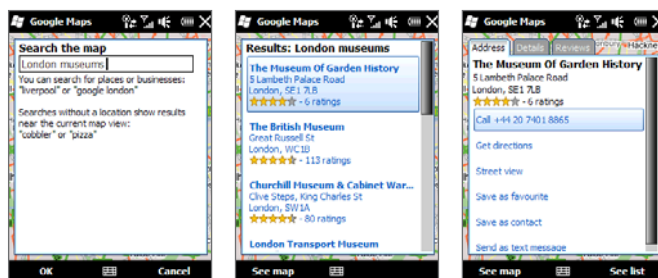


- Notes**
- You need an active data or Wi-Fi connection to use Google Maps.
 - Latitude, traffic, and street view features are available only in certain regions.

Searching a place of interest

Google Maps lets you search and locate a place of interest, shows the information for that place, and gives directions on how to get there from your current location.

1. On the Google Maps screen, tap **Search**.
2. Enter the name, address, or postal code of the place on the search field and then tap **OK**.
3. In the search results list, tap the place to view its address, phone number, and other details.



4. On the **Address** tab, tap:
 - The **[phone number]** to call the place of interest.
 - The **Web address** (if available) to go to the website of the place of interest.
 - **Get directions** to get directions to the place of interest from your current location.
 - **Street view** (available by country) to display a street view of the place of interest, when available.

- **Save as favorite** to add the place of interest to your list of favorite places. To access your favorite places, on the Google Maps screen, tap **Menu > Favorites**.
 - **Save as contact** to save the contact information of the place of interest to your contacts list.
 - **Send as text message** to send the place's information to someone via SMS.
5. Tap **See map** to view the place of interest on the map.

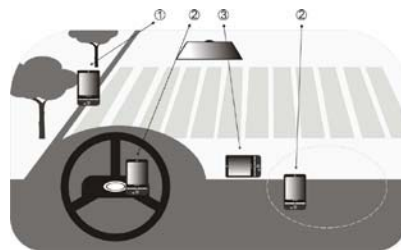
Tap **Menu > Help > Tips** for some basic tips on using Google Maps. For more information about Google Maps and its many features, go to:
<http://www.google.com/gmm/index.html>.

10.2 Guidelines and Preparation for Using GPS

To ensure safety on the road, follow these guidelines before and when using your phone for GPS navigation.

- When using GPS navigation software in the car, always plot your GPS route before starting to drive. Do not try to configure the GPS navigation software while driving.
- The plotted GPS route is only for driving reference. It should not interfere with actual driving behavior.
- Do not leave your phone in a vehicle or expose the phone to direct sunlight to avoid overheating the battery, which could pose damage to the phone or risk to the vehicle.

- When using the phone inside a vehicle, use the car holder to mount the phone securely in place. Avoid placing the phone in the areas shown in the following diagram:



- 1 Do not place where it will block the driver's vision.
 - 2 Do not place where air bags could deploy.
 - 3 Do not place anywhere in the vehicle without securing the phone in the holder.
- Use the GPS system cautiously. Users shall be liable for any damages resulting from negligent operation of the system.
 - The GPS signal cannot pass through solid non-transparent objects. Signal reception may be affected by obstructions such as high-rise buildings, tunnels, bridges, forests, weather (rainy or cloudy days), etc. If the vehicle's visor contains metal, it will be difficult for the GPS signal to pass through.
 - Other nearby wireless communication products (such as mobile phones or radar-detecting devices) may interfere with the satellite signal, resulting in unstable signal reception.
 - The Global Positioning System (GPS) is built and operated by the US Defense Department. The Department is responsible for the accuracy and maintenance of the system. Any changes that the Department makes may affect the accuracy and function of the GPS system.

10.3 Downloading Location Data via QuickGPS

Before using your phone for GPS navigation, open **QuickGPS** to download ephemeris data (current satellite position and timing information). QuickGPS significantly speeds up the time for determining your GPS position. QuickGPS downloads ephemeris data from Web servers, instead of from satellites, using your phone's Internet connection via Wi-Fi, ActiveSync or GPRS/3G.

1. Tap **Start > QuickGPS**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > QuickGPS**.
2. Tap **Download** on the QuickGPS screen.

On the screen, initially, you will see the **Valid time** of the downloaded data. As time passes, the remaining days and hours of validity will be shown.

To speed up GPS positioning, download the latest ephemeris data when the validity of the data expires.



Changing the download options

To configure download options, tap **Menu > Options** and choose from available options:

- **Remind me when data expires.**
Display a message when ephemeris data expires.
- **Auto download when data expires.**
Automatically download ephemeris data when it expires.
- **Auto download when connected to PC via ActiveSync.**
Automatically download ephemeris data when it is connected to your computer via ActiveSync. Your computer must be connected to the Internet to download ephemeris data.
- **Exit QuickGPS after downloading.**
Close QuickGPS after satellite data is downloaded.


Chapter 11

Camera and Multimedia


11.1 Taking Photos and Videos

Use **Camera** to take photos and record video clips.

To open the Camera screen



On the Home screen, slide to the **Photos and Videos** tab and then tap the camera icon (). The screen orientation automatically switches to landscape mode when you open Camera.





To close the Camera

Tap the Camera screen and then tap .

Changing the capture mode

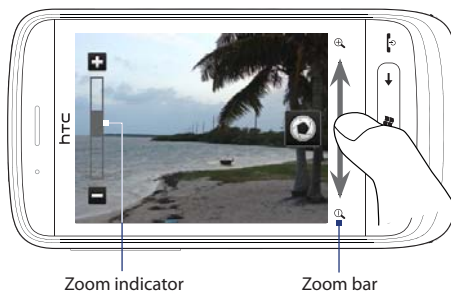
1. By default, the capture mode is set to **Photo** mode. To change to another capture mode, tap the Camera screen first to display the on-screen icons and indicators, and then tap the middle icon at the bottom of the Camera screen.
2. In the Capture Mode menu, tap the capture mode you want to use.

Capture Mode	Function
	Captures standard still images.
	Records video clips, with or without audio.

Capture Mode	Function
	Captures still images continuously in one direction, and then stitches them to create a panoramic view of a scenery.
	Records video clips suitable for sending via MMS.
	Captures a still image that you can assign as a contact picture.
	Captures still images and places them within frames.

Zooming

Before capturing a photo or a video clip, you can zoom in or out on your subject. To zoom in or out, slide your finger up or down on the Zoom bar while holding your phone sideways. While you are sliding your finger on the Zoom bar, the level of zoom is shown on the zoom indicator on the left side of the Camera screen.



The camera zoom range for a photo or a video clip depends on the capture mode and resolution.

Capture mode	Resolution	Zoom range
Photo	3M 2048 x 1536	1.0x to 1.6x
	2M 1600 x 1200	1.0x to 1.6x
	1M 1280 x 960	1.0x to 1.6x
	L 640 x 480	1.0x to 1.6x
	M 320 x 240	1.0x to 3.2x
Video	CIF 352 x 288	1.0x to 1.6x
	L 320 x 240	1.0x to 1.6x
	M 176 x 144	1.0x to 1.6x
	S 128 x 96	1.0x to 1.6x
MMS Video	M 176 x 144	1.0x to 1.6x
	S 128 x 96	1.0x to 1.6x
Panorama	L 640 x 480	1.0x to 1.6x
	M 320 x 240	1.0x to 3.2x
Contacts Picture	272 x 272	1.0x to 3.2x
Picture Theme	Determined by the current template	Depends on the size of the selected template

Capturing photos and videos







Use the **Virtual Camera** button () as the shutter release when capturing.

- In **Photo** or **Contacts Picture** mode, press the **Virtual Camera** button to take a photo.
- In **Video** or **MMS Video** mode, press the **Virtual Camera** button to start capturing video. Press the button again to stop capturing.
- In **Picture Theme** or **Panorama** mode, press the **Virtual Camera** button to capture the first photo. Press the button again to capture each subsequent photo and complete the picture theme or panorama.


After capturing, the Review screen appears, showing the photo or the starting image of the video that you have just captured. You can tap the icons at the bottom of the Review screen to delete the photo or video clip, view it in Album, send it by MMS or email, and more.

On-screen controls







Tap the screen to display and use the following on-screen controls of the Camera:

On-screen Control	Function
 Album	Open the Album program. See “Viewing Photos and Videos Using Album” for details
 Capture mode	See “Changing the capture mode” for details.
 Menu	Open the Menu Panel. See “Basic settings” for details.
 Virtual Camera button	Functions as the shutter release button. See “Capturing photos and videos” for details.
 Template Selector	In Picture Theme mode, tap to select another frame.
 Progress indicator	In Picture Theme and Panorama modes, this shows the number of consecutive shots.


Basic settings

The Menu panel lets you quickly adjust common camera settings and provides access to more advanced camera settings. To open the Menu panel, tap the Camera screen to display the on-screen controls, and then tap . To adjust a setting, keep tapping a button, for instance, **White Balance**, to cycle through the available settings.

Note The available menu panel buttons depend on the selected capture mode.

Icon	Function
	Select the white balance setting according to the current lighting condition to capture colors more accurately.
	Open the Brightness bar and adjust the brightness level. Tap outside the Brightness bar to apply the change.
	Set the ISO level manually to 100 , 200 , 400 , or 800 , or set it back to AUTO . Higher ISO numbers are better for taking pictures in low light conditions. Note The camera automatically adjusts the ISO level up to 400 only.
	Choose between saving your captured photos and videos on the phone's storage or the inserted storage card.
	Set the self-timer to 2 seconds , 10 seconds , or Off when in Photo or Contacts Picture mode.
	Open the Advanced screen to adjust advanced camera settings. See "Advanced settings" for details.

Advanced settings

To open the Advanced screen so you can set more options for your selected capture mode and set other preferences, tap  on the live Camera screen and then tap **Advanced**.

On the Advanced screen, you can change the following settings:

- **Resolution.** Select the resolution to use.
- **Review Duration.** Set the time for a captured photo/video to remain on the Review screen.
- **Quality.** Select the image quality level for captured photos.
- **Capture Format** (Video and MMS Video modes). Select the file format for recorded videos.
- **Time Stamp** (Photo mode). Include the date and time on captured photos.

- **Keep Backlight.** Turn the backlight on or off. This overrides your phone's backlight settings while you are using the camera.
- **Shutter Sound.** Play a shutter sound when you tap the **Virtual Camera** button.
- **Image Properties.** Adjust the **Contrast**, **Saturation**, and **Sharpness** before capturing.
- **Effect.** Apply a special effect to your photos or videos.
- **Metering Mode.** Select a metering mode to allow the camera to measure the amount of light and calculate the best-fit exposure value before capturing.
- **Prefix.** The file name of a newly captured photo or video is set to "IMAGE" or "VIDEO" followed by a sequential number, for example: IMAGE_001.jpg. You can also choose the current date or **date and time** as the file name prefix.
Note You cannot change the file name prefix when saving captured photos to a storage card. Captured photos are named using the convention IMAGnnnn.jpg (where 'nnnn' is the counter), and are saved to the \DCIM\100MEDIA folder on the storage card.
- **Counter.** Reset the file numbering back to 1.
- **Flicker Adjustment.** When taking indoor shots under fluorescent lighting, keep this setting on **Auto** or change it to the proper frequency (**50Hz** or **60Hz**) of the power in your country to reduce flicker.
- **Grid** (Photo mode). Show a grid on the screen so you can easily frame and center your subjects.
- **Record with Audio** (Video and MMS Video modes). Select **On** to record videos with audio, or **Off** to record videos without audio.
- **Recording Limit** (Video mode). Set the maximum duration or file size for recording video.
- **Template** (Picture Theme mode). Select a template.

- **Template Folder** (Picture Theme mode). By default, templates are stored in the \My Documents\Templates folder on your phone's **Main Memory**. If you transferred some templates to a storage card, set this option to **Main + Card**.
- **Show Reminder** (Contacts Picture mode). Select **On** if you want the Camera to prompt you to assign the captured picture to a contact.
- **Direction** (Panorama mode). Choose the direction in which to stitch the photos in a panorama.
- **Stitch Count** (Panorama mode). Select the number of shots to take and stitch into a panorama.

11.2 Viewing Photos and Videos Using Album

Use **Album** to view photos and videos on your phone.

To open Album

On the Home screen, slide to the **Photos and Videos** tab and then tap **Album**. You can also tap  from the Camera screen to open Album.

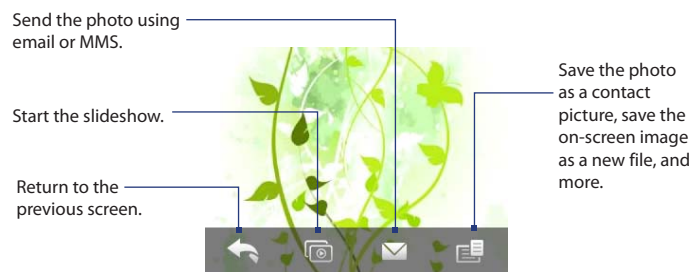
On the Album main screen, swipe your finger up or down to scroll and browse through photos and videos that are stored on your phone's memory and storage card. Tap a photo or video to view it in full screen.



Note Album is always displayed in landscape mode.

Viewing photos

While viewing a photo, tap the screen to display and use on-screen controls.



Note When playing a slideshow, animated GIF and video files are excluded from the slideshow.

To view the next or previous photo in the album


While holding your phone sideways, view the next or previous photo by swiping your finger left or right across the screen.

To zoom in or out on a photo

Double-tap the area on the photo you want to zoom in on. To zoom out, double-tap the screen again.

You can also use the Zoom bar. While holding your phone sideways, slide your finger up on the Zoom bar to zoom in, or slide down to zoom out.


After zooming in on a photo, tap and hold the screen and then drag your finger to pan to other areas of the photo.


Tip To save the zoomed in part of the photo as a new file, tap the screen, tap  and then select **Save Screen Image**.

Playing videos

While viewing a video, tap the screen to display and use playback controls. Tap the playback control icons to pause, resume, stop playback, or jump to the start of the video. You can also drag your finger across the progress bar to go forward or backward in the video.

Closing Album

To close Album, return to the main Album screen first. (If you were viewing a video or photo slideshow, stop the playback.) Tap the screen to show the on-screen controls and then tap  to go back to the main Album screen.

Tap  on the main Album screen to close Album.

11.3 Using Windows Media® Player Mobile

Windows Media® Player Mobile plays digital audio and video files that are stored on your phone or on the Web.

To open Windows Media Player Mobile

Tap **Start** > **Windows Media**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs** > **Windows Media**.

Windows Media Player Mobile opens with the Library screen. Use the Library screen to find and play songs, videos, and playlists that are stored on your phone or on the storage card.

Playing media

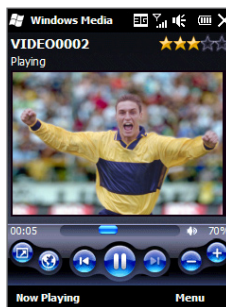
To update the Library

In most cases, Windows Media Player Mobile automatically updates the library. However, you can manually update the library to ensure that it contains new files that you recently copied to your phone or to the storage card. Tap **Menu** > **Update Library** to manually update the library list.

To play audio and video files

1. On the Library screen, tap the Library arrow (near the top of the screen), and then tap the media storage that you want to use, for example, **Storage Card**.
2. Select a category (for example, My Music or My Playlists).
3. Tap and hold the item that you want to play (such as a song, album, or artist name), and then tap **Play**.

The Playback screen opens and plays the audio or video file. Use the playback controls to pause, resume, stop playback, play in full screen, and more.



Synchronizing video and audio files

Use the latest version of Windows Media Player on your computer to sync digital media files from your computer to your phone. This ensures that protected files and album art (for skins) are correctly copied to your phone.

To automatically sync content to your phone

1. On your computer, open Windows Media Player, and then connect your phone to your computer.
2. In the Device Setup Wizard, select **Yes, search my computer now**.

Note If you have previously opened Windows Media Player and searched for media on your computer, you are not prompted to search your computer in step 2.

3. On the Device Setup dialog box, enter a name for your phone and click **Finish**.

Note If you installed a storage card that has a capacity of more than 4GB and your entire library can fit into the storage card, Windows Media Player will automatically sync your music files. Your phone also needs to be set to **Disk Drive** mode for Windows Media Player to automatically sync.

4. On the left panel of Windows Media Player, right-click the name of your phone and click **Set Up Sync**.

Note To set up media synchronization on a storage card, right-click **Storage Card** in the left panel of Windows Media Player, and then click **Set Up Sync**.

5. Select the playlist(s) that you want to sync between your computer and phone, and then click **Add**.

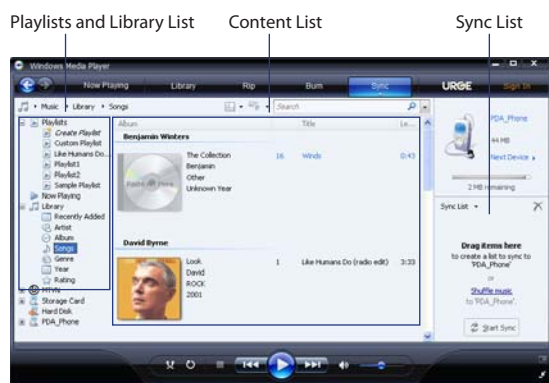
Note On the Device Setup dialog box, make sure that the **Sync this device automatically** check box is selected.

6. Click **Finish**.

The files begin synchronizing to your phone. The next time you connect your phone to your computer while Windows Media Player is running, synchronization will start automatically.

To manually sync content to your phone

1. If you have not set up media synchronization between your phone and computer, follow steps 1 to 3 in "To automatically sync content to your phone".
2. Click the **Sync** tab on the Windows Media Player of your computer. Select a Playlist or a Library on the left panel of the Windows Media Player.
3. From the Content List, drag the media files that you want to sync to your phone and drop them to the Sync List.



4. Click **Start Sync** to start synchronizing the selected files to your phone.

- Notes**
- Use Windows Media Player 11 or higher on your computer to sync media files to your phone.
 - Audio files copy faster if Windows Media Player is configured to automatically set the quality level for audio files copied to your phone. For more information, see the Windows Media Player Help.

Creating playlists

Create a new playlist by saving the current Now Playing playlist and giving it a new name.

To save a new playlist

1. If you are not on the Library screen, tap **Menu > Library**.
2. Tap to select a category (for example, My Music or My Playlists).
3. Select a media file that you want, then tap **Menu > Queue Up**. This adds the file to the Now Playing list. Repeat this step until you have added all desired media files to the Now Playing list.
Note You cannot select multiple files simultaneously.
4. After adding the media files, tap **Menu > Now Playing**.
5. On the Now Playing screen, tap **Menu > Save Playlist**.
6. Enter the playlist name, then tap **Done**.
7. To play back the playlist you created, tap My Playlists in the Library, select your playlist, then tap **Play**.

Troubleshooting

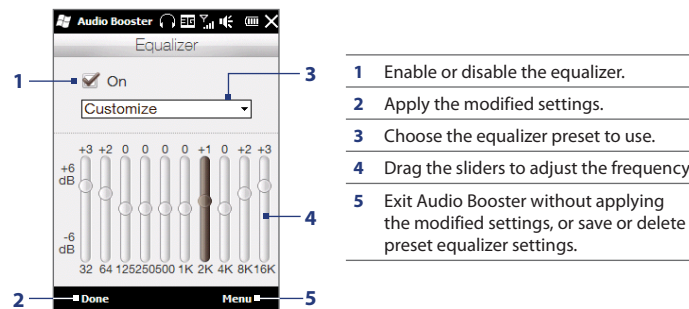
For troubleshooting information, visit <http://www.microsoft.com/windowsmobile/en-us/help/more/windows-media-player.msp>.

11.4 Using Audio Booster

Audio Booster optimizes sound by providing an audio equalizer for a better listening experience. To use Audio Booster, connect the supplied wired headset to your phone.

To open Audio Booster

Tap **Start Audio Booster**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > Audio Booster**.



- 1 Enable or disable the equalizer.
- 2 Apply the modified settings.
- 3 Choose the equalizer preset to use.
- 4 Drag the sliders to adjust the frequency.
- 5 Exit Audio Booster without applying the modified settings, or save or delete preset equalizer settings.

To create a custom equalizer preset

1. Adjust the frequency bands to your desired values by dragging the equalizer controls.
2. When finished, tap **Menu > Save as Preset**.
3. Enter a preset name and then tap **Done**. The equalizer preset is added to the preset list box.

Note To delete a custom equalizer preset, select it on the preset list box and then tap **Menu > Delete Preset**. You cannot delete pre-installed equalizer presets.

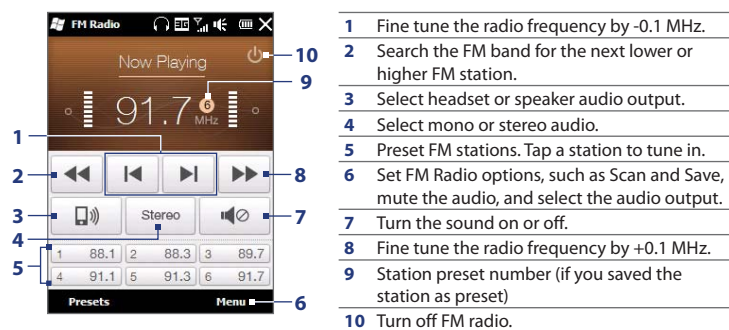
11.5 Using FM Radio

FM Radio lets you to listen to FM radio stations on your phone. Since FM Radio uses the provided stereo wired headset as the antenna, connect the headset first to the earphone jack of your phone before you open the program.

To open FM Radio

Tap **Start > FM Radio**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > FM Radio**.

The first time you open FM Radio, it automatically scans for available FM stations, saves them as presets, and plays the first FM station found. For information about saving favorite stations as presets, see "Saving presets."




- 1 Fine tune the radio frequency by -0.1 MHz.
- 2 Search the FM band for the next lower or higher FM station.
- 3 Select headset or speaker audio output.
- 4 Select mono or stereo audio.
- 5 Preset FM stations. Tap a station to tune in.
- 6 Set FM Radio options, such as Scan and Save, mute the audio, and select the audio output.
- 7 Turn the sound on or off.
- 8 Fine tune the radio frequency by +0.1 MHz.
- 9 Station preset number (if you saved the station as preset)
- 10 Turn off FM radio.

Tip Press the VOLUME UP and VOLUME DOWN buttons on the side of the phone to adjust the volume.

Saving presets

Save favorite FM stations as presets so you can easily access them. You can save up to 20 preset radio stations. Radio stations that are saved on Presets 1 to 6 can be accessed on the FM Radio screen.

To save FM stations as presets

1. Tune in to the desired FM frequency, and then tap **Presets**.
2. On the Presets list, tap  that appears on the desired preset number where you want to save the FM station.



Tip Tap  to remove a favorite FM station from the list.

3. When done, tap **OK**.

To listen to a preset FM station

On the FM Radio screen, tap the station preset button. If the station preset button is not on the screen, tap **Presets**, scroll through the list of preset stations, and then tap the station you want to listen to.

Minimizing or turning off FM Radio

When you tap  on the title bar, FM Radio continues to run in the background and allows you to continue listening to the radio while you use other programs. To turn off FM radio, tap  on the upper right corner of the FM Radio screen.

Chapter 12

Other Programs

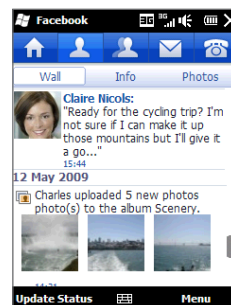
12.1 Facebook®

With the Facebook application included on your phone, you can:

- View your friends' Facebook information including their photo albums.
- Change your status and send messages to your friends.
- Upload photos and videos straight to your Facebook account.
- Call your friends if their phone numbers are listed on their profiles.

To open and use the Facebook application

1. Tap **Start > Facebook**, or from the Home screen, slide to the **Programs** tab and then tap **Facebook**.
2. Follow the on-screen instructions to create a new Facebook account (if you have not yet created one) or log into your account.
3. Tap the different tabs at the top of the screen to use the different functions of Facebook.



12.2 Microsoft® Office Mobile

Microsoft® Office Mobile consists of the following applications:

- **Microsoft® Office Excel® Mobile** lets you create and edit Excel workbooks and templates on your phone.
- **Microsoft® Office OneNote® Mobile** lets you create notes with text, photos, and voice recordings for synchronization later with Microsoft Office OneNote 2007 on your computer.
- **Microsoft® Office PowerPoint® Mobile** allows you to view (not create) slide show presentations in *.ppt and *.pps formats.
- **Microsoft® Office Word Mobile** lets you create and edit documents and templates in Word Mobile and save them as *.doc, *.rtf, *.txt, and *.dot files.

To use Microsoft Office Mobile

1. Tap **Start > Office Mobile**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs**.
2. Tap the Office Mobile application that you want to use.

Word Mobile and Excel Mobile do not fully support some features of Microsoft Office Word and Microsoft Office Excel. To find out which features are not supported, tap **Start > Help** and then search for “unsupported” in the Help.

- Tips**
- By default, Word Mobile saves documents in **.docx** format, while Excel Mobile saves workbooks in **.xlsx** format. If you want to open these types of files on a computer that uses Microsoft Office 2000, Office XP, or Office 2003, you need to download and install the **File Format Converter** in your computer. Download the File Format Converter at <http://www.microsoft.com/downloads/>.
 - If you want Word Mobile to save documents in **.doc** format, tap **Menu > Tools > Options** (or **Menu > Options** when no document is opened), and then change the **Default template** to **Word 97-2003 Document (.doc)**.
 - If you want Excel Mobile to save workbooks in a format that is compatible with Microsoft Office 2000, Office XP, or Office 2003, tap **Menu > Options** (with no workbook opened), and then change the **Template for new workbook** to **Blank 97-2003 Workbook**.

12.3 JBlend

Use **JBlend** to download, install and manage MIDlets or MIDlet suites on your phone. MIDlets are Java applications such as games and tools that can run on mobile devices, while a MIDlet suite is a collection of one or more MIDlets. Your phone supports Java 2 Micro Edition (J2ME).

To open JBlend

Tap **Start > JBlend**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > JBlend**.

Installing and launching MIDlets/MIDlet suites

To download and install from the Internet

1. Open an Internet browser on your phone, such as Internet Explorer.
2. Navigate to the Web page with the link for the MIDlet/MIDlet suite you want to download, and tap the link.
3. Follow the onscreen instructions to install and run the MIDlet/MIDlet suite.

To install from your phone

You can copy MIDlets/MIDlet suites from your computer to your phone using the USB sync cable or Bluetooth connection.

1. On the JBlend screen, tap **Install > Local Install**. The program then searches for MIDlets/MIDlet suites on your phone and displays them in a list.
2. From the list, tap the MIDlet/MIDlet suite that you want to install.
3. Follow the onscreen instructions to install and run the MIDlet/MIDlet suite.

To run a MIDlet/MIDlet suite

On the JBlend screen, open the folder that contains the MIDlet/MIDlet suite, and then tap the MIDlet/MIDlet suite.

To uninstall a MIDlet/MIDlet suite

Before you uninstall a MIDlet, make sure that it is not running.

1. On the JBlend screen, tap and hold the MIDlet, and then tap **Delete**.
2. Tap **Yes** to confirm.

Note To uninstall all MIDlets and folders, tap **Menu > Application > Delete All**.

12.4 Using RSS Hub

RSS Hub is an RSS reader that keeps you up-to-date with the latest news from the Internet. It monitors RSS feeds from your favorite news sites, blogs and more, and downloads the most current updates and podcasts.

This section provides basics on using RSS Hub. For more information about using RSS Hub, tap **Start > Help**, and then tap **Help for Added Programs > RSS Hub**.

Subscribing to and browsing news channels

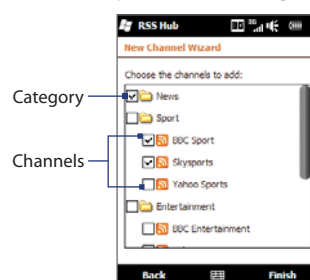
You must subscribe to news channels before you can receive RSS feeds.

To subscribe to news channels

1. Tap **Start > RSS Hub**, or from the Home screen, slide to the **Programs** tab and then tap **RSS Hub**.
2. On the New Channel Wizard screen, select the **Choose from a list of known Channels** option, and then tap **Next**. A list of RSS channels is displayed.

3. Channels are grouped by categories. Select a category to choose all channels in that category, or select individual channels that you want to subscribe to.

Note If the RSS channel you want to subscribe to is not in the list of known channels, tap **Back**, and then select another option on the New Channel Wizard screen. For more information about the available options, see the RSS Hub Help on your phone.



4. After selecting the desired channels, tap **Finish**.
5. The list of your selected channels appears. Tap **Refresh** to update the channels.
6. After the refresh is completed, the number of headlines per channel will be displayed on the right side of the channel list.



To add new channels

1. In the channel list, tap **Menu > Channel > New** to open the New Channel Wizard screen.
2. Select an option, and then follow screen instructions to add new channels. For more information on New Channel Wizard options, see the RSS Hub Help on your phone.

To filter the channels to display

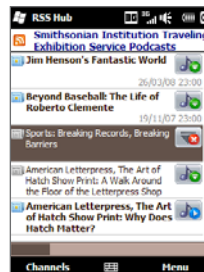
- In the channel list, tap **Menu > View**, and then select **Updated** to display only those channels with unread items, or **All** to display all subscribed channels.
- To filter the channel list by category, tap **All Categories** above the channel list and then tap the category you want to display.

Viewing headlines

In the channel list, tap a channel to display the headlines for that channel.

When browsing the list of headlines, you can:

- Tap a headline to view the news summary. Scroll down the news summary screen and then tap **Read More Online** to open the Web browser and view the complete news article.
- Tap the **Download** button () to download a podcast or image attachment. (When you see the  icon, it indicates that the podcast or image attachment is downloading.) After download is complete, tap the **Play** button () to play the podcast or view the image.
- Tap **Channels** at the bottom of the screen to return to the channel list.



Sharing the headline link

To share a headline that you have read with other people, you can send the link to the headline in a text message, multimedia message, or email.

1. Tap a headline to view the news summary.
2. On the news summary screen, tap **Menu > Send Link via Email**.
3. Tap the messaging account that you want to use to send the headline link.
A new message is then created, with the link inserted in the message.
4. Specify the recipients and then tap **Send**.

12.5 SIM Manager

SIM Manager allows you to view the contents of your SIM card, transfer contacts from your SIM card to your phone or vice versa, and make a call to a SIM contact.

To create a contact on your SIM card

1. Tap **Start > SIM Manager**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > SIM Manager**.
2. Tap **New** and enter the contact name and phone number.
3. Tap **Save**.

Tip To change contact information on your SIM card, tap a SIM contact, edit the information, and then tap **Save**.

To copy SIM contacts to your phone

If you have saved contacts on your SIM card, you can copy them into Contacts on your phone.

1. On the SIM Manager screen, select the desired contact, or select all SIM contacts by tapping **Menu > Select All**.
2. Tap **Menu > Save to Contacts**.

To copy contacts to the SIM card

Only one phone number per contact name can be stored on a SIM card.

1. On the SIM Manager screen, tap **Menu > Contacts to SIM**.
2. Select the check boxes of the contact's phone numbers that you want to copy to your SIM card, and then tap **Save**.

When you copy a contact that has several phone numbers to your SIM card, SIM Manager separately saves each number by appending an indicator at the end of each name.

By default, /M, /W, and /H are appended to indicate mobile, work, and home phone numbers respectively. To edit the default indicators and to select which other types of numbers to save to the SIM card, tap **Menu > Tools > Options**.

12.6 Windows® Marketplace

On Windows® Marketplace for Mobile, it's easy to download new programs that fit your needs and make your phone truly personal. A wide range of free and premium programs is available, from games to powerful business applications. You can shop securely and download programs straight to your phone or via your PC.

To access Windows Marketplace on your phone

Tap **Start > Marketplace**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > Marketplace**.

12.7 Installing and Uninstalling Programs

You can install or uninstall additional programs. Your phone does not allow you to uninstall most of the preinstalled programs.

Note Before you purchase additional programs, make sure that they are compatible with your phone.

Before you launch the program installer, check first whether the installer can directly run on Windows Mobile or needs to be run on a computer.

To install a program directly on your phone

1. If the installer is a .cab file, directly download or copy it to your phone.
2. On your phone, open File Explorer and navigate to the installer file.
3. Tap the file to launch the installer.
4. Choose whether to install the program into the main memory or your storage card, if you have the storage card inserted on your phone.
5. Wait for the installation to complete.

Note You may be prompted to restart your phone after installation is completed.

To install a program from your computer

1. If the installer is an .exe file such as Setup.exe, most likely, the installer needs to be run on a computer. Download or copy it to your computer.
2. Connect your phone to your computer using the USB cable, and then double-click the installer file on your computer to launch the installer.
3. Follow the on-screen instructions on your computer and your phone to complete the installation.

To uninstall a program

1. Tap **Start > Settings > System > Remove Programs**.
2. In the **Programs in storage memory** list, select the program you want to remove, and then tap **Remove**.

Chapter 13

Managing Your Phone

13.1 Copying and Managing Files

Copy files between your phone and computer, or copy files to a storage card installed on your phone. You can also efficiently manage your files and folders using File Explorer.

To copy files using Windows Mobile Device Center or ActiveSync

1. Connect your phone to the computer.
2. Click **File Management > Browse the contents of your device** in Windows Mobile Device Center on your computer, or click **Explore** in ActiveSync on your computer. This displays the content of your phone in Windows Explorer on your computer.
3. To copy a file from your phone to your computer:
 - a. Browse the contents of your phone, right-click the file you want to copy, and then click **Copy**.
 - b. Right-click a folder on your computer, and then click **Paste**.
4. To copy a file from your computer to your phone:
 - a. Browse the folders on your computer, right-click the file you want to copy, and then click **Copy**.
 - b. Right-click a folder on your phone, and then click **Paste**.

To manage files on your phone using File Explorer

File Explorer lets you browse and manage the contents of your phone. The root folder on the phone is named **My Device**, and contains the following folders: My Documents, Program Files, Windows, and more.

1. Tap **Start > File Explorer**, or from the Home screen, slide to the **Programs** tab and then tap **All Programs > File Explorer**.
2. Tap a folder or file to open it.
3. To return to an upper level folder, tap **Up**.
4. To quickly delete, rename, or copy a file, tap and hold the file, and then choose the desired operation on the shortcut menu. To copy or delete multiple files, tap and drag over the desired files, tap and hold the selection, and then choose an option from the menu.

To copy files to a storage card







1. Make sure that the storage card is properly installed on your phone.
2. Connect the phone to your computer using the USB cable, select **Disk Drive** on the Connect to PC screen, and then tap **Done**.
3. On your computer, navigate to the removable disk drive, and then start copying files to the storage card.
4. When finished, disconnect the phone from your computer.

13.2 Settings on Your Phone




You can adjust settings to suit the way you use your phone.

To see all available settings, tap **Start > Settings**. The most frequently used settings are on the Settings screen. Other settings are organized into the Personal, Connections, and System folders.






Settings screen



Icon	Description
	Bluetooth Turn Bluetooth on, set your phone to visible mode, and scan for other Bluetooth devices. See Chapter 9 for details.
	Clock & Alarms Set the clock to the date and time of your locale or to a time zone you are visiting. Alarms can also be set on specified days and times of the week.
	Lock Set a password for your phone. See "Protecting your phone with a password" in this chapter for details.
	Sounds & Notifications Enable sounds for events, notifications, and more, and set the type of notification for different events.
	Today Customize the appearance of the Today screen and the information to display on it. Note You will not see the Today screen when the TouchFLO Home screen is enabled. To display the Today screen, tap Start > Settings > Today > Items tab, and then clear the TouchFLO check box.
	Microsoft My Phone Set up your My Phone account so you can connect your phone with the Microsoft hosted website and back up or restore contacts, calendar appointments, photos, and other information wirelessly. See "Synchronizing With Microsoft My Phone" in Chapter 5 for details.

Personal folder









Icon	Description
	Input Set options for the on-screen keyboards. For instance, you can set the phone to play a sound or vibrate when you tap a key.
	Owner Information Enter your personal information on your phone.
	Phone Set the ring type and ring tone for incoming calls. You can also customize phone services and other advanced settings.












Connections folder

Icon	Description
	Advanced Network Turn HSDPA on/off, set the GPRS authentication method, and set the line type to use when making a circuit switch data (CSD) connection. HSDPA is a 3.5G digital data service that provides high-speed downstream/upstream data rates. Check with your mobile operator whether HSDPA is supported in your area.
	Comm Manager Easily manage and turn on or off connections, including the phone connection, GPRS/3G, Wi-Fi, and Bluetooth.
	Connections Set up one or more types of modem connection for your phone, such as phone dial-up and GPRS, so that your phone can connect to the Internet or a private local network. See Chapter 8 for details.
	Connection Setup Configure your phone's data connections, such as 3G/GPRS, and WAP, based on the detected SIM card or selected network operator. See "Using Connection Setup" in this chapter for details.
	Domain Enroll Enroll your phone in your company's domain to let System Center Mobile Device Manager manage the phone. Ask your network administrator for more details.

Icon	Description
	USB to PC Set the type of USB connection to your PC. Select the ActiveSync option for synchronizing data, Disk Drive mode for transferring files, or Internet Sharing to use your phone as a modem for your computer.
	Wi-Fi Turn the Wi-Fi function on or off, scan for available wireless networks, see information about the active wireless network, and customize Wi-Fi settings.

System folder

Icon	Description
	About This is where you can see basic information such as the Windows Mobile® version and type of processor used on your phone. You can also specify a name for your phone.
	Auto Volume Control Automatically adjust the recording volume to an even level.
	Certificates See information about certificates that are installed on your phone.
	Clear Storage Reset your phone to factory default settings.
	Device Information See information about the firmware version, hardware, identity, and the duration of calls made on your phone.
	Customer Feedback Set your phone to automatically send information about how you use Windows Mobile. By default, this option is disabled.
	Encryption Encrypt files on your storage card. Encrypted files are only readable on your phone.
	Error Reporting Enable or disable the phone's error reporting function. When this function is enabled and a program error occurs, technical data about the state of the program and your computer is logged in a text file and delivered to Microsoft's technical support if you choose to send it.

Icon	Description
	External GPS Set the appropriate GPS communication ports, if required. You may need to do this when there are programs on your phone that access GPS data or you have connected a GPS receiver to your phone.
	Location Settings Turn location service on or off. When turned on, your current location can be easily determined and used by certain applications on your phone. This provides you with accurate information, such as weather in your current location which is displayed on the Home tab of the Home screen.
	Managed Programs Displays the programs that were installed on your phone using System Center Mobile Device Manager.
	Memory Check the phone's memory allocation and storage card information.
	Power Check the remaining battery power. You can also set the brightness of the backlight and the timeout for turning off the display (switching the phone to Sleep mode) to conserve battery power.
	Regional Settings Set the regional configuration to use, including the format for displaying numbers, currency, date, and time on your phone.
	Remove Programs Uninstall programs that you previously installed on your phone.
	Task Manager Stop running programs and set the () button to end programs immediately when you tap the button. For more information, see "Using Task Manager" in this chapter.
	Screen Recalibrate the screen, apply ClearType to display text more clearly, and change the screen text size.
	Touch Options Set the phone to vibrate when you tap the tabs, links, or other on-screen items of supported applications.

13.3 Changing Basic Settings

Some of the basic settings can be accessed and changed from the Home screen's **Settings** tab. You can tap **All Settings** on this tab or tap **Start > Settings** to access the other settings of your phone.

Wallpaper

You can change the background image of the **Home** tab.

1. On the Home screen, slide to the **Settings** tab and then tap **Wallpaper**.
2. On the Select a Picture screen, navigate to the folder where the image you want to use is located. When you have found the desired background image, tap the image to select it.
3. Slide your finger to the **Home** tab. You will now see that the background image has changed.

To reset the Home tab back to the default background, tap **Wallpaper** on the **Settings** tab again and then tap **Yes** when you see a confirmation message.

Sound settings

You can choose different sounds for different events of your phone.

To select a phone profile

A profile is a preset that determines how your phone will alert you when there are incoming phone calls. To select a profile, tap **Sounds** on the Home screen's **Settings** tab and then choose one of the following: **Normal**, **Vibrate**, **Silent**, or **Automatic**.

Note **Automatic** sets your phone to vibrate only when you receive phone calls during scheduled appointments in your Calendar.

To change the ring tone and ring type

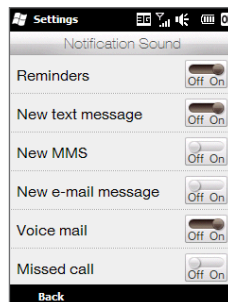
1. On the Home screen, slide to the **Settings** tab and then tap **Sounds**.
2. Scroll down and then tap **Ringtone**. Select the ring tone you want to use and then tap **Done**.
3. Tap **Ring Type**. Select the ring type you want to use and then tap **Done**.

- Tips**
- You can use *.wav, *.mid, *.mp3, *.wma, or other types of sound files that you downloaded from the Internet or copied from your computer. For a complete list of supported audio file formats, see “Specifications” in the Appendix.
 - To use your sound files as ring tones, copy them first to the **/My Documents/My Ringtones** folder on your phone, and then select the sound from the **Ring tone** list of your phone. For more information about copying files, see “Copying and Managing Files” in this chapter.

To set notification sounds

To personalize your phone with unique notification sounds for different events such as missed calls, new SMS, new email, reminders, and more, tap **Sounds** on the Home screen's **Settings** tab and then tap **Notification Sounds**.

On the Notification Sound screen, tap the left side of the screen that shows the types of events to choose the sound to use for each event. Tapping the ON/OFF sliders on the right turns on or off the notification sounds.



Power saving and display settings

Adjust power saving and display settings such as screen brightness, Sleep mode settings, text size, and more.

To manually adjust the screen brightness

By default, your phone automatically adjusts the screen brightness according to the ambient lighting.

1. Tap **Start > Settings > System > Power**.
2. Tap the **Backlight** tab.
3. Adjust the brightness by dragging the slider under **On battery power** and **On external power**.

To change backlight and automatic Sleep mode settings

Dimming the backlight and switching the phone to Sleep mode help save battery power. You can change the idle time before the backlight automatically dims. You can also change the idle time before the phone goes into Sleep mode.

1. Tap **Start > Settings > System > Power**.
2. Tap the **Advanced** tab.
3. To change the time before the backlight automatically dims, select a time next to the **Turn off backlight if not used for** options.
4. To change the time before the phone goes into Sleep mode, select a time next to the **Turn off device if not used for** options.

Tip If you do not want the backlight to dim, clear the **Turn off backlight if not used for** check boxes. To turn off automatic Sleep mode, clear the **Turn off device if not used for** check boxes.

To increase or decrease the size of text on the screen

1. Tap **Start > Settings > System > Screen**.
2. Tap the **Text Size** tab.
3. Move the slider to increase or decrease the text size.

To re-calibrate the touch screen

The phone's touch screen is calibrated before shipment. Re-calibrate the touch screen if it does not accurately respond to screen taps.

1. While the phone is on, press and hold the VOLUME UP and VOLUME DOWN buttons, and then tap the screen to open the align screen.
2. Follow the on-screen instructions to complete the calibration.

Device name

The device name is used to identify your phone when synchronizing with a computer, connecting to a network, or restoring information from a backup.

Note If you sync multiple phones with the same computer, each phone must have a unique name.

To change the device name

1. Tap **Start > Settings > System > About**.
2. Tap the **Device ID** tab.
3. Enter the device name.

Notes

- The device name must begin with a letter, consist of letters from **A** to **Z**, numbers from **0** to **9**, and cannot contain spaces. Use the underscore character to separate words.
- If you enroll your phone to your company's domain, the device name will be changed to be the same as the one used to enroll your phone.

Phone services

You can change the settings of various phone services for your phone. Phone services may include Call Forwarding, Call Waiting, Voicemail, and more. Contact your mobile operator to find out about the availability of phone services for your phone.

To access and change settings of phone services

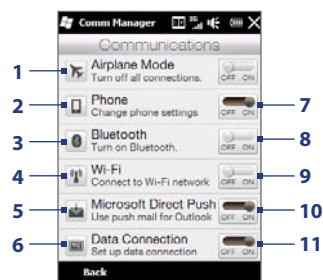
- 1.** On the Home screen, slide to the **Settings** tab, and then tap **Communications**.
- 2.** On the **Comm Manager** screen, tap **Phone > Phone Services**.
- 3.** Select the service you want to use, and then tap **Get Settings**.
- 4.** Choose your desired options, and then tap **OK**.

13.4 Using Comm Manager

Comm Manager lets you easily turn on and off the communication features such as the phone connection, Bluetooth, Wi-Fi, and data connection.

To access Comm Manager

On the Home screen, slide to the **Settings** tab and then tap **Communications**.




- | | | | |
|---|---|----|---|
| 1 | Airplane Mode
Turn off all connections. | 7 | Phone
Change phone settings. |
| 2 | Phone
Change phone settings. | 8 | Bluetooth
Turn on Bluetooth. |
| 3 | Bluetooth
Turn on Bluetooth. | 9 | Wi-Fi
Connect to Wi-Fi network. |
| 4 | Wi-Fi
Connect to Wi-Fi network. | 10 | Microsoft Direct Push
Use push mail for Outlook. |
| 5 | Microsoft Direct Push
Use push mail for Outlook. | 11 | Data Connection
Set up data connection. |
| 6 | Data Connection
Set up data connection. | | |
-
- 1 Switch Airplane Mode on or off. See "Turning the Phone Connection On and Off" in Chapter 2.
 - 2 Access the phone settings and change the PIN codes, configure phone services, and more.
 - 3 Connect a Bluetooth headset or other Bluetooth-enabled device. See Chapter 9 for details.
 - 4 Connect to a wireless network. See Chapter 8 for details.
 - 5 Open ActiveSync and adjust sync settings. See Chapter 7 for details.
 - 6 Open Connection Setup and automatically configure your data connection settings. See "Using Connection Setup" in this chapter for details.
 - 7 Switch the phone connection on or off. See "Turning the Phone Connection On and Off" in Chapter 2.
 - 8 Switch Bluetooth on or off. See Chapter 9 for details.
 - 9 Switch Wi-Fi on or off. See Chapter 8 for details.
 - 10 Switch between automatically receiving (as items arrive) or manually retrieving Outlook email messages. See Chapter 7 for details.
 - 11 Connect or disconnect the active data connection (3G/GPRS, or EDGE).

13.5 Using Connection Setup

You can manually select your network operator and allow Connection Setup to reconfigure your phone's data connections settings based on the selected operator.

1. Tap **Start > Settings > Connections > Connection Setup** (or open the Comm Manager and then tap **Data Connection**).
2. Select the network **Country** and **Operator** you want to use, then tap **OK**.
Note If you choose a country and/or operator that is different from the installed SIM card network operator, you may not be able to access network services.
3. When prompted to confirm whether you want to configure the data connection settings, tap **Yes**.
4. After Connection Setup completes the configuration, tap **Restart**.

13.6 Using Task Manager

Task Manager lets you view and stop running programs, configure the  button, and enable the Quick Menu on the Home screen.

To open Task Manager



Tap the **Quick Menu** button on the top-right corner of the Home screen to open the Quick Menu, and then tap .

To configure the Exit () button

By default, running programs are shut down when you tap and hold the  button.

1. On the Task Manager screen, tap the **Button** tab.

Note When you clear **Enable the “X” button to end running programs**, tapping the Exit button only closes a program screen. The program is not ended and continues to run in the background.

2. Choose the action for shutting down programs (by tapping the  button, or by tapping and holding the  button).
3. Tap **OK**.

To add a running program to the exclusive list

If you add a running program to the **Exclusive Programs List**, it will not be closed when you tap **Stop Selected** or **Stop All** and will not be listed in the Quick Menu on the Home Screen.

1. On the Task Manager screen, tap the **Running** tab.
2. Tap and hold the program name, and then tap **Add Exclusive**.

Tip To remove a program from the exclusive list, select the program on the **Running** tab, and then tap **Remove**.

13.7 Protecting Your Phone

Protecting your SIM card with a PIN

You can protect your SIM card by requiring a PIN (personal identification number) every time the phone is turned on. You will not be able to use the Phone dialer or the data connection until you enter the correct PIN.

To enable the SIM card PIN

1. On the Home screen, slide to the **Settings** tab and then tap **Communications**.
2. On the **Comm Manager** screen, tap **Phone** to open the Phone Settings screen.
3. Tap **PIN Code**.
4. Enter the PIN, tap **OK**, and then tap **OK** on the message box.

- Tips**
- To change the PIN, tap **Change PIN** on the Phone Settings screen.
 - Emergency calls can be placed at any time, without requiring a PIN.

Protecting your phone with a password

You can help keep your data more secure by requiring a password every time the phone is turned on.

To set a password

1. Tap **Start > Settings > Lock**.
2. Select the **Prompt if phone unused for** check box, and then specify the idle time before the phone requires a password. If you choose **0 Minutes**, you will need to input the password every time you wake the phone up from Sleep mode. For more information, see “Switching to Sleep mode” in Chapter 1.
3. In the **Password type** box, select the type of password you would like to use.

- Tip** If your phone is configured to connect to a network, use an alphanumeric password for increased security.

4. Enter the password in both the **Password** and **Confirm** boxes.
5. Tap **OK**.

If your phone is idle for the timeout period that you set, you will need to enter your password to unlock your phone. If you used a simple PIN password, the Lock screen will be displayed before you enter your password. For information, see “Lock Screen” in Chapter 1.

- Notes**
- To ensure that you can always make emergency calls, do not begin your password with the digits of your local emergency number.
 - If you entered a hint, the hint will be displayed after the wrong password is entered five times.
 - If you forget your password, you can hard reset or clear the phone’s memory. For more information about hard resetting the phone and clearing the memory, see “Resetting Your Phone”.

Encrypting files on your storage card

You can set your phone to encrypt files as they are saved on the storage card.

1. Tap **Start > Settings > System > Encryption**.
2. Select **Encrypt files when placed on a storage card**.

- Notes**
- Encrypted files can only be read on the phone that encrypted them.
 - Encrypted files are opened just like other files, provided you are using the phone that encrypted them. There is no separate step for you to take to read these files.

Important If **Encrypt files when placed on a storage card** is enabled, back up all files from the storage card **before** using Clear Storage, hard reset, or updating the operating system. Otherwise, you will no longer be able to access the encrypted files on the storage card. Use ActiveSync or Windows Mobile Device Center to transfer files between your storage card and computer. After the procedure, copy your files back to the storage card.

13.8 Resetting Your Phone

Performing a soft reset

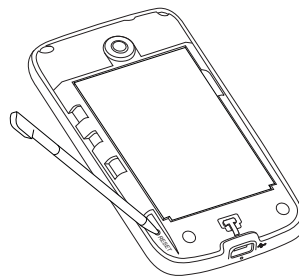
Perform a soft (normal) reset to clear all active program memory and shut down all active programs. This is useful when your phone is running slower than normal, or a program is not performing properly. If a soft reset is performed when programs are running, unsaved work is lost.

To perform a soft reset

1. Remove the back cover. For instructions, see “To remove the back cover” in Chapter 1.
2. Remove the stylus to reveal the RESET button that is located at the bottom of the stylus compartment.
3. Use the stylus tip to press the RESET button.

Your phone restarts and displays the Home screen.

4. Replace the back cover and insert the stylus back into its compartment.



Performing a hard reset

If a normal reset does not solve a system problem, you can perform a hard (full) reset. After a hard reset, the phone is restored to its default settings—the way it was when you first purchased it and turned it on. You will lose any programs you installed, data you entered, and settings you customized on your phone, and only Windows Mobile® software and other pre-installed programs will remain.

Warning! Your phone will be set back to factory default settings. Make sure that any additional installed programs and important data on your phone have been backed up before you perform a hard reset.

Important If **Encrypt files when placed on a storage card** is enabled, back up all files from the storage card **before** using Clear Storage, hard reset, or updating the operating system. Otherwise, you will no longer be able to access the encrypted files on the storage card. Use ActiveSync or Windows Mobile Device Center to transfer files between your storage card and computer. After the procedure, copy your files back to the storage card.

To perform a hard reset

1. With the phone turned off, press and hold the VOLUME UP and VOLUME DOWN buttons, then press the END/POWER button shortly and release it. You will then see this message on the screen.

This operation will delete
all your personal data,
and reset all settings
to manufacturer default.
Press Volume Up to restore
manufacturer default, or
press other keys to cancel.

2. Release the VOLUME UP and VOLUME DOWN buttons.
3. Press the VOLUME UP button to perform the hard reset, or press any other button to cancel the reset.

Using Clear Storage

If you can access the phone settings, you can use Clear Storage to reset your phone back to factory default settings.

1. Tap **Start > Settings > System > Clear Storage**.
2. Enter "1234" and then tap **Yes**.

Appendix

A.1 Specifications

Processor	Qualcomm® MSM7225™, 528 MHz
Operating System	Windows Mobile® 6.5 Professional
Memory	<ul style="list-style-type: none">• ROM : 512 MB• RAM : 256 MB
Dimensions (LxWxT)	104 X 55 X 12.9 mm (4.1 X 2.16 X 0.51 inches)
Weight	110 grams (4 ounces) with battery
Display	2.8-inch TFT-LCD touch-sensitive screen with QVGA resolution
Network	Quad-band GSM/GPRS/EDGE: <ul style="list-style-type: none">• 850/900/1800/1900 MHz (Band frequency and data speed are operator dependent.)
Device Control	Zoom bar
GPS	Internal GPS antenna
Connectivity	<ul style="list-style-type: none">• Bluetooth® 2.1 with Enhanced Data Rate and A2DP for stereo wireless headsets• Wi-Fi®: IEEE 802.11 b/g• 3.5 mm audio jack• HTC ExtUSB™ (11-pin mini-USB 2.0)
Camera	3.2 megapixel color camera with fixed focus
Audio supported formats	AAC, AAC+, eAAC+, AMR-NB, QCP, MP3, WMA, WAV, MIDI, M4A
Video supported formats	WMV, ASF, MP4, 3GP, 3G2, M4V, AVI

Battery	<ul style="list-style-type: none">• Rechargeable Lithium-ion battery• Capacity: 1100 mAh• Talk time: Up to 440 minutes for GSM• Standby time: Up to 370 hours for GSM <p>(The above are subject to network and phone usage.)</p>
Expansion Slot	microSD™ memory card (SD 2.0 compatible)
AC Adapter	Voltage range/frequency: 100 - 240V AC, 50/60 Hz DC output: 5V and 1A

- Notes**
- The memory size figures are the total ROM and RAM memory available for use and storage. Since the memory is shared by the operating system, applications, and data, the actual available memory is less than what is specified.
 - Specifications are subject to change without prior notice.

A.2 Regulatory Notices

Regulatory Agency Identifications

For regulatory identification purposes, your product is assigned a model number of **PB74100**.

To ensure continued reliable and safe operation of your device, use only the accessories listed below with your **PB74100**.

The Battery Pack has been assigned a model number of **TOPA160**.

Note This product is intended for use with a certified Class 2 Limited Power Source, rated 5 Volts DC, maximum 1 Amp power supply unit.

Federal Communications Commission Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Modifications

The FCC requires the user to be notified that any changes or modifications made to the device that are not expressly approved by HTC Corporation may void the user's authority to operate the equipment.

Safety precautions for RF exposure

- 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.

Exposure to Radio Frequency (RF) Signals

Your device contains a radio transmitter and receiver. The radiated output power is far below the international radio frequency exposure limits. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

200 Appendix

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in usage.

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.

Your device has an internal antenna. Use only the supplied integral antenna. Use of unauthorized or modified antennas may impair call quality and damage the phone, causing loss of performance and SAR levels exceeding the recommended limits as well as result in non-compliance with local regulatory requirements in your country.

To assure optimal phone performance and ensure human exposure to RF energy is within the guidelines set forth in the relevant standards; always use your device only in its normal-use position. Do not touch or hold the antenna area unnecessarily when placing or receiving a phone call. Contact with the antenna area may impair call quality and cause your device to operate at a higher power level than needed. Avoiding contact with the antenna area when the phone is IN USE optimizes the antenna performance and the battery life.

Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operation can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be

tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. This phone has been tested and meets the FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body. For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only HTC Corporation approved accessories. When carrying the phone while it is on, use the HTC Corporation supplied or approved carrying case, holster, or other body-worn accessory. Use of non HTC Corporation approved accessories may violate FCC RF exposure guidelines and should be avoided.

SAR Information

1.27 w/kg@1g

Telecommunications & Internet Association (TIA)

Safety Information

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference. If you have any reason to suspect that interference is taking place, turn the phone OFF immediately.

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.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are 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.

WEEE Notice

The Directive on Waste Electrical and Electronic Equipment (WEEE), which entered into force as European law on 13th February 2003, resulted in a major change in the treatment of electrical equipment at end-of-life.

The purpose of this Directive is, as a first priority, the prevention of WEEE, and in addition, to promote the reuse, recycling and other forms of recovery of such wastes so as to reduce disposal.



The WEEE logo (shown at the left) on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserving natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.

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RoHS Compliance

This product is in compliance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) and its amendments.

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