# SAMSUNG Focus™

**PORTABLE QUAD-BAND MOBILE PHONE**

**User Manual**

Please read this manual before operating your phone and keep it for future reference.

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For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:

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### *Dynamic Noise Suppression from Audience™*

Your phone is equipped with an advanced voice processing chip that delivers clear mobile calls by suppressing background noise, intermittent sounds (like a siren or nearby conversation), and echoes, allowing you to hear and be heard nearly anywhere.

**How Does It Work?**

Based on the intelligence of the human hearing system, the technology:

• Captures, evaluates and distinguishes all the sound signals surrounding your phone, and the person you're speaking with.

• Then isolates the primary voice in conversation and filters out the background noise - so the person you're calling hears only your voice, without disturbing background noise.

• Dynamically equalizes and adjusts voice volume to optimize your calling experience, so you can hear clearly and don't need to speak louder to overcome surrounding noise.

The noise suppression technology is built-in and already enabled in your new mobile phone. So it's ready to provide unsurpassed voice clarity with every call.

### *Open Source Software*

This product includes certain free/open source software. The exact terms of the licenses, disclaimers, acknowledgements and notices are available on Samsung's website http://opensource.samsung.com.

## Disclaimer of Warranties; Exclusion of Liability

# Table of Contents

## Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

### Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1.  Remove the battery cover by placing your thumbnail into the slot at the bottom of the phone (1). If you have fragile nails, use a pointed object.

2.  Push the cover forward (2) and then lift up and away from the phone (3).

#### *Installing the SIM Card*

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

**Important!:** The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

▶ Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.

- Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.
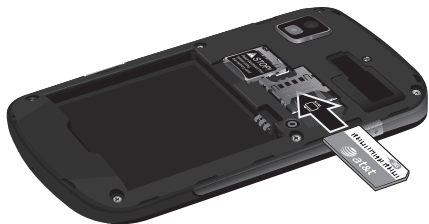


**Note:** If the card is not inserted correctly, the phone does not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

### *Installing the Memory Card*

Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space.

**Note:** Your phone has been tested to support up to a 32GB memory card.

**Warning!:** You should only use a microSD card that is a "Certified for Windows Phone 7" card.

▶ Push the microSD card into the slot until it clicks (as shown).

- Make sure the microSD's gold contact pins face downward and the card is securely inserted.



Correct        Incorrect
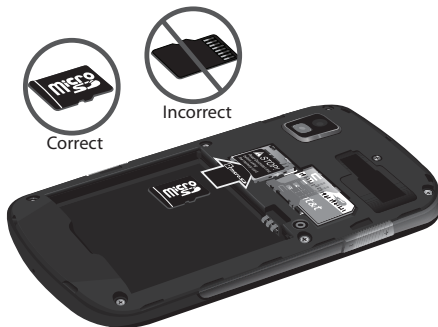


**Warning!:** Once you install a secure digital card, it is formatted to work only with your phone. It cannot be used with other devices.

For more information, refer to *"Windows Phone 7 and microSD Cards"* on page 10.

### *Installing the Battery*

1. Insert the battery into the opening on the back of the phone, making sure the three metal connectors align (1).

2. Gently press down to secure the battery (2).



3. Replace the battery cover onto the back of the phone in the direction shown by the arrow (1).

4. Press down along the bottom of the phone until you hear a light click (2).



5. Press down firmly along the edges to ensure that the cover is flush with the phone (3).



**Note:** Make sure the battery is properly installed before switching on the phone.

## Charging a Battery

Your phone is powered by a rechargeable Li-ion battery. The Travel Adapter, which is used to charge the battery, is included with your phone. Use only Samsung-approved batteries and chargers. Long backlight settings, searching for service, vibrate mode, browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so requires additional charging time.

**Note:** You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

### *Using the Travel Adapter*

1.  With the battery installed, slide the plastic cover (top left side of phone) to expose the Power/Accessory Interface connector.

**Important!:** Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

2.  Plug the flat end of the Travel Adapter into the phone's interface connector jack and the other end into a standard AC wall outlet.



Correct

Incorrect
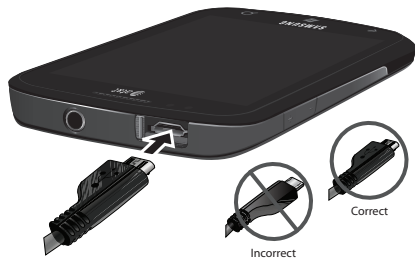
**Note:** When you connect the Travel Adapter, your phone powers on automatically. Your Windows phone stays powered on whenever it is charging.

3.  When charging is finished, remove the flat end from the interface connector jack on the phone.

**Warning!:** If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 133.

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**Note:** Failure to unplug the wall charger before you remove the battery can cause damage to the phone.

*Low Battery Indicator*

When the battery is weak and only a few minutes of talk time remain, the "Battery critically low" warning appears and the device sounds a warning tone at regular intervals. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ▬ ) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

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**Note:** If the phone automatically turns off because the battery level is too low, you must charge the battery until the phone turns on automatically.

## Switching the Phone On or Off

1. Press and hold the Power key ⏻ (on the upper right side of the phone) until the phone switches on.

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**Note:** The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Changing Your Settings"* on page 72.

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2. To switch off the phone, press and hold the Power key ⏻ until **Goodbye!** displays.

## Locking and Unlocking the Touch Screen

1. Press ⏻ to lock the touch screen.

2. Press ⏻ again to display the main screen then sweep your finger upwards across the glass to unlock the touch screen.

## Using the Start-up Wizard

The very first time you turn on your phone the Start-up Wizard screen is displayed.

1. Tap **get started**.

   The Choose a Language screen displays. The language you choose determines how text is displayed on your phone.

2. Tap the language you want to use and tap **next**.

If you choose a language other than English, the **Switch your language** screen displays. Press **ok** to restart the phone and change the language or press **cancel** to return to the Choose a Language screen.

3. Read the Windows Phone Terms of Use and tap **accept**.

   The Windows Phone Settings screen is displayed.

4. Tap **recommended** to allow the Start-up Wizard to configure your phone to the recommended settings.

   – or –

   Tap **custom** to manually configure the phone yourself. If you select **custom**, follow the on-screen instructions.

5. Scroll through the list of time zones and tap the time zone of your choice to highlight it and tap **next**.

   The Date & Time screen is displayed.

**Note:** The Date & Time screen is only displayed if no SIM card is installed in your phone.

6. Tap **What's the date today?** to set the month, day, and year and tap **What time is it now?** to set the current time. Tap **next**.

9

The Sign In With a Windows Live ID screen is displayed.

To get apps, play games, use a Zune Pass, automatically sync Windows Live information to the web, and more, you need a Windows Live ID. If you already have an Xbox LIVE, Zune, Hotmail, or Messenger ID, you already have a Windows Live ID.

7. To sign into your existing account, tap **sign in**.

   – or –

   To create a new Windows Live ID, tap **create one**.

   – or –

   To create an account later, tap **not now**.

   When you are finished, the INSTALLING APPS screen displays.

**Note:** If you choose **not now**, you can sign in later. A Windows Live ID required screen displays when you try to use a feature that requires that you be signed in.

8. When all the apps have finished installing, tap **next**.

   The All done screen displays.

9. Tap **done** to go to the Home screen.

## Setting Up Your Voice Mail

1. From the Home screen, tap 📞 , then tap 📧 .

   When connected, you may be prompted to enter a password.

2. Follow the tutorial to create a password, record a greeting, and record your name.

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**Note:** These steps may be different depending on your network.

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### *Accessing Your Voice Mail*

1. From the Home screen, tap 📞 , then tap 📧 .

2. When connected, follow the voice prompts from the voice mail center.

### *Accessing Your Voice Mail from Another Phone*

1. Dial your wireless phone number.

2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.

3. Enter your passcode.

## Troubleshooting

If your phone is frozen or unresponsive, try the following:

1. Restart your phone: press and hold the Power key until the phone turns off and then press the Power key again to turn on the phone.

2. If restarting your phone does not solve the problem, turn off the phone, remove and replace the battery, and turn on the phone.

## Windows Phone 7 and microSD Cards

Users are strongly encouraged to review this section carefully before inserting the right type of microSD card into Focus, a Windows Phone 7 device.

**Windows Phone 7 does not support freely swapping microSD Cards in and out.**

Many commercially available retail microSD cards are not approved for use in Windows Phone 7.

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**Warning!:** You should only use a microSD card that is a "Certified for Windows Phone 7" card.

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Use of unapproved cards may cause performance degradation or device instability including unexpected reset and loss of user data. A microSD card class is not an indication of meeting

Windows Phone 7 requirements. When approved cards are available, they will be identified as "Certified for Windows Phone 7".

**Once inserted and properly formatted, the memory card becomes an inseparable part of the phone.**

A microSD card inserted into a Windows Phone 7 device and integrated into the device's file system is intended to be a permanent modification to the device. Once a microSD card has been integrated into a Windows Phone 7 device's file system, it will no longer be readable or writable on any other devices such as computers, cameras, printers, and so on. This includes an inability to format the microSD card for use in these devices. Improper use (including inserting or removing) of microSD cards on Windows Phone 7 devices may result in one or more of the following:

• System error while powering on the device that prevents the Windows Phone 7 operating system from loading. Note that emergency dialing will function properly.

• Inaccurate reporting of available storage.

• Loss of access to or removal of installed applications.

• Loss of access to or removal of user data/media stored on the microSD card.

• Loss of access to or removal of user data or media stored internally within the Windows Phone 7 device.

• Overall file system performance degradation.

• Device lockup or reset.

For more information see:

http://support.microsoft.com/kb/2450831 and

http://www.microsoft.com/windowsphone/en-us/howto/wp7/basics/sd-cards-and-my-phone.aspx.

### *Inserting or Removing the Memory Card*

To insert or remove a microSD card, you have to reset your phone by using a procedure called a *hard reset*.

**Warning!:** A hard reset resets your phone to its factory default settings and wipes all data (pictures, video, contacts, music, and so on) from your phone. Make sure your data is saved to your PC. For more information, refer to *"Using Zune To Stay In Sync"* on page 46.

#### Inserting a microSD Card into a Windows Phone 7

Simply inserting a microSD card into a Windows Phone 7 device and restarting the device will result in the card being ignored by the phone. To insert a microSD card into your phone, follow these instructions carefully.

**Warning!:** You should only use a microSD card that is a "Certified for Windows Phone 7" card.

1. If the microSD card contains any data, make sure you back up the contents before inserting it into your Windows Phone 7. The microSD card will be reformatted to be part of the Windows Phone 7 file system and all data will be lost.

2. Press and hold the Power key  to power off the phone, if necessary, and open the battery cover.

3. Insert the microSD card into the SD slot located on device. For more information, refer to *"Installing the Memory Card"* on page 5.

4. Power up the device by pressing the Camera key , Volume down key , and Power key .
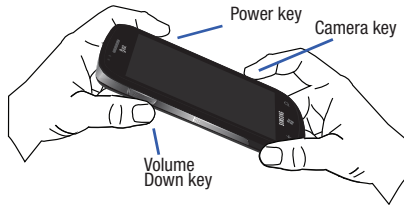


When the device vibrates, release the Power key, but continue pressing the Camera and Volume down keys. Once the device displays the **Are you sure you want to format?** screen, release the Camera and Volume down keys.
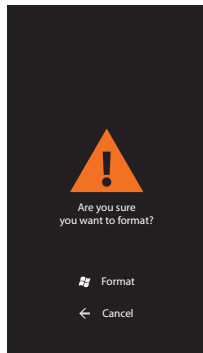


**Note:** If the **download mode** screen displays, go back to step 1 and try again.

5. Press the Window key  to **Format** the device.

6.  Press the Window key 🔳 again to confirm that you want to format the device.

7.  After formatting is complete, the Start-up Wizard screen is displayed. For more information, refer to *"Using the Start-up Wizard"* on page 8.

8.  After start-up is complete, from the Home screen, tap ⊕ ➔ **Settings** ⚙ ➔ **system** ➔ **about** to verify that available memory has been updated.

**Permanently Remove a microSD Card from a Windows Phone 7**

To permanently remove a microSD card from a Windows Phone 7 device, follow these instructions:

1.  Press and hold the Power key 🔲 to power off the phone, if necessary, and open the battery cover.

2.  Remove the microSD card from the SD slot located on device.

3.  Power up the device by pressing the Camera key, Volume down key, and Power key. When the device vibrates, release the Power key, but continue pressing the Camera and Volume down keys. Once the device displays the **Are you sure you want to format?** screen, release the Camera and Volume down keys (see Step 4 starting on page 12).

4.  Press the Window key 🔳 to **Format** the device.

5.  Press the Window key 🔳 again to confirm that you want to format the device.

6.  After formatting is complete, the Start-up Wizard screen is displayed. For more information, refer to *"Using the Start-up Wizard"* on page 8.

7.  After start-up is complete, from the Home screen, tap ⊕ ➔ **Settings** ⚙ ➔ **system** ➔ **about** to verify that available memory has been updated.

### Storage Error During Device Power Up

If you:

▶ Remove a microSD card from your Windows Phone 7 device that *has* been integrated with the file system

– or –

▶ Insert a different microSD card into your Windows Phone 7 device that *has not* been integrated properly with the file system

The following results may occur:

• System error while powering on the device that prevents the Windows Phone 7 operating system from loading. Note that emergency dialing will function properly.
• Inaccurate reporting of available storage.
• Loss of access to or removal of installed applications.
• Loss of access to or removal of user data and media stored on the microSD card.
• Loss of access to or removal of user data or media stored internally within the Windows Phone 7 device.
• Overall file system performance degradation.
• Device lockup or reset.

To resolve these errors:

1. Remove the microSD card, which has not been previously integrated properly with the file system, from the Windows Phone 7 device.

AND/OR

2. Insert the microSD card, which has been previously integrated with the file system, into the Windows Phone 7 device.

**Note:** Once the device is upgraded through the Zune package update, the memory card may work differently.

For additional questions, contact the AT&T call center or Mobile Service Operator center.

## Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone.

### Features of Your Phone

Your phone is lightweight, easy-to-use, and offers many useful features. The following list outlines a few of the features included in your phone.

• Touch screen that provides quick response to a variety of in-phone menus and options including applications and a home screen

• Microsoft Windows 7 platform

• Ready access to the Internet

• Built-in Bluetooth and Wi-Fi technology

• Brilliant, wide-screen AMOLED display

• A 5 Megapixel camera and camcorder

• AT&T GPS Navigation functionality provides real-time navigation

• HSDPA 7.2 Mbps high speed download capability

• Assisted GPS (TeleNav GPS Navigation)

• Up to 32GB expandable memory slot

• Sync and update social network applications

### Front View of Your Phone

The following items can be found on the front of your phone as illustrated on the previous page.

1. **Proximity and Light sensors**: the Proximity sensor detects how close an object is to the surface of the screen (for example, when your face is against the phone during a call or the phone is in your pocket), locks the keys to prevent accidental key presses, and turns off the screen. Light sensors use the ambient light level to adjust screen brightness and contrast.

2. **External speaker**: allows you to hear the caller.

3. **Display**: shows the information needed to operate your phone, such as the Application Tiles, icons, dialer, messages, and so on.

4. **Back key**: allows you step backwards when navigating a menu or web page.

5. **Start key / Window Key:** allows you access the Home screen from any screen. Press and hold to activate the voice search engine.

6. **Microphone**: allows the other callers to hear you when you are speaking to them. Also allows you to use the voice search engine.

7. **Bing search key**: a shortcut to the Bing search engine that allows you to search for items on the internet. Press this key in the People application to search for a contact or in the Marketplace application to search for an application.

8. **Applications Menu key**: allows you to access the applications menu. You can also sweep your screen to the left to access the Applications Menu.

9. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, and time. If the icons are not showing, tap the top of the display to show them.

## Side Views of Your Phone



1. **Power/Accessory Interface connector**: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable.

2. **Volume keys**: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key ( + — ) to mute the ring tone. Also used to adjust the volume while playing music or videos. While using the Radio, in Music & Videos, press the volume key to display additional tuning controls.

3. **Camera key**: ( ) allows you to take pictures or videos. Press and hold the camera key to launch the Camera, even when the display screen is off and locked.

4. **Lock key**: ( ) lets you lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 22.

5. **3.5mm Headset jack**: allows you to plug in headphones.

## Rear View of Your Phone
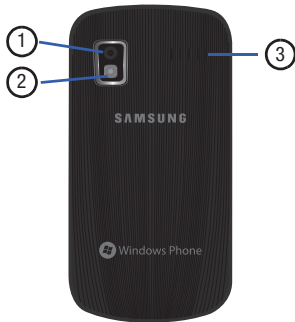


1. **Camera lens**: is used to take pictures and shoot videos.
2. **Flash**: allows you to take pictures when the lighting is poor.
3. **External speaker**: allows you to hear when the Speakerphone is turned on.

## Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to

application icons. For more information, refer to *"Front View of Your Phone"* on page 15.

### Indicator Icons

This list identifies the symbols that appear on your phone's display and Indicator area:

**Note:** If there are no icons displayed, tap the top of the screen to display them.

| | |
|---|---|
|  | Displays your current signal strength. The greater the number of bars, the stronger the signal. |
|  | Displays when there is no SIM card in the phone. |
|  | Displays when the SIM card is locked. |
|  | Displays when Call forwarding is active. For more information, refer to *"phone"* on page 83. |
|  | Displays your battery charge level. Icon shown is fully charged. |

| | Displays when your battery is charging and displays battery charge level. Displays when the phone is connected to a computer via a supported USB cable connection. |
|---|---|
| | Battery critically low, which means your battery needs to be charged soon or your phone will turn off. |
| **E** | Displays when your connection to an EDGE network is active. |
| **3G** | Displays when your connection to a 3G or 3G+ network is active. |
| | Displays when the ringtone is set to vibrate only. |
| | Displays when Bluetooth is activated and your phone has been connected with a Bluetooth device. |
| | Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP). |
| | Displays when Wi-Fi is active, but there is a communication issue with the target Wireless Access Point (WAP). |
| | Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information. |

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 72.

### *Application Icons*

The Application menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Applications icons, see *"Navigating to the Application Menu"* on page 23.

1. From the Home screen, use your finger to sweep the display to the left or tap ⊖, then tap one of the application icons.

2. Follow the on-screen instructions. For more information, refer to *"Applications"* on page 94.

3. To return to the Home screen, tap ⊞.

The following applications are available:

**Alarms**: allows you to access and set alarms. For more information, refer to *"Alarms"* on page 95.

**AT&T FamilyMap**: provides peace of mind by being able to conveniently locate a family member from your wireless phone or PC and know that your family's location information is secure and private. For more information, refer to *"AT&T FamilyMap"* on page 96.

**AT&T myWireless**: enables you to view usage for minutes, data, and messaging from your phone. With this application you can also access support through frequently asked questions (FAQs). For more information, refer to *"AT&T myWireless Mobile"* on page 96.

**AT&T Navigator**: provides you with access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches based on a variety of category parameters. For more information, refer to *"AT&T Navigator"* on page 97.

**AT&T Radio**: combines unlimited personal radio stations with over 75 commercial free genre stations, more than 400 local stations, news, talk, sports, and more! For more information, refer to *"AT&T Radio"* on page 51.

**AT&T U-verse Mobile**: allows you to watch content from your U-verse DVR home setup on your phone. You can also browse television schedules and set recordings for your home DVR. These videos can then be streamed to either your phone or a connected laptop. For more information, refer to *"AT&T U-verse Mobile"* on page 99.

**Calculator**: lets you use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 101.

**Calendar**: allows you to consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *"Calendar"* on page 101.

**Camera**: lets you use your 5.0 megapixel camera feature to produce photos in a JPEG format. For more information, refer to *"Camera"* on page 55.

**Games**: allows you to shop for new games, install games you buy on your phone, and play them with the Games feature. For more information, refer to *"Games"* on page 102.

**Internet Explorer**: lets you start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet Explorer"* on page 86.

**Maps**: lets you use Bing Maps, a free introductory location-based service that provides static, non-moving, non-voice guided, turn-by-turn driving directions. It also has additional user features such as Local Search (limited) business listings and points of interest (POI) and address sharing with non-TeleNav subscribers. For more information, refer to *"Maps"* on page 105.

**Marketplace**: provides access to downloadable applications and games to install on your phone. Marketplace also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone. For more information, refer to *"Marketplace"* on page 106.

**Messaging**: lets you send and receive different types of messages. For more information, refer to *"Messaging"* on page 61.

**Music + Videos**: provides access to music, videos, podcasts, and radio on your phone. For more information, refer to *"Music and Videos"* on page 46.

**Now**: allows you to view weather, news, and favorite stocks at a glance. For more information, refer to *"Now"* on page 109.

**Office**: provides access to Microsoft Office, which allows you to access OneNote, Excel, Word, PowerPoint, and SharePoint on your phone. For more information, refer to *"Office"* on page 110.

**People**: lets you manage your daily contacts by storing their name and phone number in your phone as People. People entries can be sorted by first or last name. You can also synchronize your People entries with your email account, such as Windows Live, Outlook, Google, or Facebook. For more information, refer to *"Your People Hub"* on page 40.

**Phone**: allows you to view your call history. From the call history screen, you can access your voicemail, make calls using the dialer, or view your contacts. For more information, refer to *"Call Functions"* on page 28.

**Pictures**: lets you view photos and play back videos. You can also set photos as wallpaper and share them as a picture message. For more information, refer to *"Pictures"* on page 53.

**Settings**: provides access to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 72.

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**Tip:** To open applications quickly, pin the icons of frequently-used applications to the Home screen. For details, see *"Customizing Your Home Screen"* on page 24.

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### *Bing Search*

The Bing Search Bar provides you an on-screen Internet search engine, lets you search for a contact in the People application, or search for an application in the Marketplace application.

1. From the Home screen, press 🔎.

2. The first time you use the Bing Search, you are prompted to allow the application to access and use your location. This can help in the search procedure. Tap **allow** or **cancel**.

3. Tap the Bing Search bar.

4. Use the on-screen keypad to enter the item you want to search for.

5. Tap →  to see search results and then tap on a link.

6. Tap 🎤 to use Voice Search. Speak the word you want to search for, then follow the on-screen instructions.

## Menu Navigation

You can tailor the phone's range of functions to fit your needs using menus. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus.

### *Locking and Unlocking the Phone*

To unlock your phone:

1. Press the lock button ⏻ located on the upper right side of your phone.

   The lock screen displays.

2. Sweep the lock screen in an upward direction.

3. The Home screen displays as shown below.
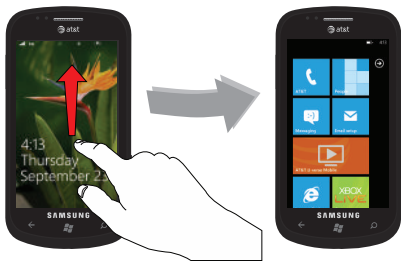
## *Home Screen Overview*

The Home screen is the starting point for many applications and functions, and you can pin items like application icons, shortcuts, contacts, and web pages to your Home screen to give you instant access to information and applications. The Home screen is accessible from any menu or application by touching .

### *Navigating to the Application Menu*

Follow these steps to navigate to the Application Menu:

1. At the Home screen, sweep the screen to the left.

   – or –

   Tap .
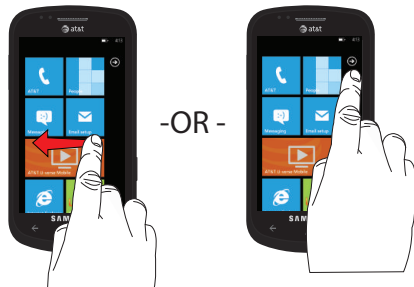


2. The Application Menu is displayed. Sweep the screen up or down to access all of the available application icons.

3. Tap one of the application icons.

**4.** To return to the Home screen, sweep the display to the right or tap ⬅.

### *Navigating Using Sub-Menus*

Sub-menus are available when you are at any screen such as Phone, Contacts, Messaging, or Web and ⋯ displays at the bottom of the screen.

To access a sub-menu, follow these steps:

**1.** Tap ⋯ on the bottom right corner of your display.

A sub-menu appears at the bottom of the screen. The icons are also labeled for easy identification.

---

**Note:** Not all screens have options available.

---

**2.** Tap an option.

The example below shows the call history screen before and after tapping the options icon.

## Customizing Your Home Screen

You can customize your Home screen by doing the following:

• Adding and Removing Application Tiles on the Home screen
• Repositioning Application Tiles
• Changing the Wallpaper

### Adding a Tile from the Applications Menu

**1.** At the Home screen, sweep the screen to the left.

– or –

Tap .

**2.** The Application Menu is displayed. Touch and hold one of the application listings.
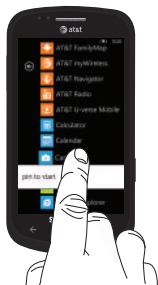


**3.** Tap **pin to start** after it displays under the icon.

The application now appears as the bottom Tile on the Home screen. You can then move it if you would like. For more information, refer to *"Moving Tiles on the Home Screen"* on page 26.

### Removing a Tile from the Applications Menu

To delete an Application Tile from your Home screen, follow these steps:

**1.** From the Home screen, touch and hold the Application Tile that you want to remove.

**2.** Tap on the  icon to delete Tile.



**Note:** After deleting an Application Tile, you can add it back later by pinning it to the home screen from the Applications Menu. For more information, refer to *"Adding a Tile from the Applications Menu"* on page 25.

### Moving Tiles on the Home Screen

To move an Application Tile on your Home screen, follow these steps:

1. From the Home screen, touch and hold the Application Tile that you want to move.

2. Drag the Tile to the new location and release.

3. Tap the center of the icon to place it in the new location. Be careful not to tap the ⊗ icon. If you do, the Tile is deleted.

### Changing the Lock Screen Wallpaper

You can change the Wallpaper (background) of your Lock screen by following these steps:

1. From the Home screen, tap ⊖ ➔ **Settings** ⚙ ➔ **system** ➔ **lock & wallpaper**.

2. Tap **change wallpaper**.

3. Select the **Wallpapers** folder or any other picture folder that you want.

4. Tap on a wallpaper thumbnail, and when it is enlarged, tap the ⊘ icon.

5. Press 🪟 to return to the Home screen.

### Changing your Color Theme

You can change the color theme of your phone by following these steps:

1. From the Home screen, tap ⊖ ➔ **Settings** ⚙ ➔ **system** ➔ **theme**.

2. Tap the **Background** field.

3. Tap on **dark** or **light** to set your background color.

4. Tap the **Accent color** field.

5. Tap on a color that you like.

6. Press 🪟 to return to the Home screen.

**Note:** Battery power is consumed at a faster rate when the background is set as **light**.

## Speech Engine

There is an intuitive speech engine integrated into the Window key () on your phone.

1.  From any screen, press and hold to activate the intuitive speech engine.

2.  Speak the words that you would like to search on or the action that you would like to perform.

    The following examples show the flexibility of the speech engine:

    - "Call Chris mobile"
    - "Find coffee in Seattle"
    - "Open calendar"

3.  To change speech settings, see *"speech"* on page 77.

## Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information on call settings, see *"phone"* on page 83.

### Making a Call

1. From the Home screen, tap 📞 ➔ ⊕ and use the on-screen keypad to enter the number you want to dial.

2. Touch **call** to make the call.

#### *Making an International Call*

1. From the Home screen, tap 📞 ➔ ⊕, then touch and hold 0+ . The **+** character appears.

2. Use the on-screen keypad to enter the country code, area code, and phone number.

   • If you make a mistake, touch ⌫ until the desired numbers have been deleted.

3. Touch **call** to make the call.

#### *Correcting an Entered Number*

Use the following steps to correct a mis-typed entry when dialing.

▶ After entering a number using the keypad:

   • If you make a mistake, touch ⌫ to erase a single character.

   • Press and hold ⌫ to erase the entire string of numbers.

#### *Ending a Call*

▶ To end a phone call, tap **end call**.

#### *Dialing a Recent Number*

All incoming, outgoing and missed calls are recorded in the **call history**. If the number or caller is listed in your People, the associated name is also displayed.

1. From the Home screen, tap 📞 . The **call history** is displayed.

2. Tap on an entry to enter the contact's detail page, then tap **call number** or **call mobile**.

## Making a Call from People

You can store phone numbers that you use regularly in the phone's memory. These entries are collectively called **People**.

For further details about the **People** feature, see *"Dialing or Messaging from People"* on page 41.

## Answering a Call

When a call is received, the phone rings and displays the caller's phone number and name if stored in People.

1. At the incoming call screen, tap **answer** to answer the call or **ignore** to send the call to your voicemail.

2. Tap **end call** to end the call.

---

**Note:** You can answer a call while using other applications. After ending the call, the phone returns to the previously active function screen.

---

## Call History

The phone stores the numbers of the calls you have dialed, received, or missed in the **Call History**. The Call History displays the details of the call.

► From the Home screen, tap 📞.

Your Call History is displayed. If the number or caller is listed in your People, the associated name is displayed.

All calls made, received, and missed are listed. Types of calls are identified under the Call History entry as Incoming, Outgoing, or Missed.
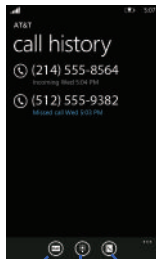


voicemail    keypad    people

### *Calling Back a Missed Call*

To call back a missed call number:

1. From the Home screen, tap 📞.

   A list of recent calls is displayed. If the number or caller is listed in your People, the associated name is displayed.

2. Tap **call** 📞 to call the displayed number.

### Saving a Recent Call to your People

1. From the Home screen, tap 📞 .

   A list of recent calls is displayed.

2. Touch the call you want to save to your People.

3. The profile page is displayed. Tap **save** 🗔 .

   The CHOOSE A CONTACT screen is displayed.

4. Tap **new contact** to add as a new contact or tap an existing contact to edit manually.

   The EDIT PHONE NUMBER screen is displayed. The **Phone number** and **Phone number type** fields are automatically filled in with the information of the recent call.

5. Touch the **Phone number** or the **Phone number type** field and use the keypad to edit if necessary.

6. When finished, tap done ✅ .

7. The NEW CONTACT screen is displayed with the Phone number already added. Tap on the other fields to add name, other phone numbers, email, ringtone, and other information. When finished tap done ✅ .

8. Tap **save** 🗔 .

For further details about the **People** feature, see *"Adding a New Contact"* on page 40.

### Sending a Message to a Recent Call

1. From the Home screen, tap 📞 .

   A list of recent calls is displayed.

2. Touch the call entry to which you want to send a message.

3. The call detail page is displayed. Tap **text number** or **text mobile**.

4. Use the keypad to type in a message.

5. To add additional recipients, tap the ⊕ icon at the top of the screen and select additional recipients from your People list.

6. When you are done with your message, touch **send** 📧 .

For more information, refer to *"Creating and Sending Text Messages"* on page 61.

### *Deleting a Call from Call History*

1. From the Home screen, tap 📞 .

   A list of recent calls is displayed.

2. Touch and hold the call you want to delete from the Call log.

3. Touch **delete item**.

   The call is deleted from the Call History.

## Options During a Call

Your phone provides a number of control options that you can use during a call.

### *Adjusting the Call Volume*

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.

▶ Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

From the Home screen, you can also adjust the ringer volume using these same keys.

### *In-Call Options*

During an active call there are several options available by tapping a corresponding on-screen button.

• **end call**: terminates the call.
• **dialer** 🎛 : displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
• **more options** ⌄ : allows you to access the following:
  – **speaker**: routes the phone's audio through either the speaker or through the earpiece. Tap speaker to turn on the speakerphone. Tap again to turn it off.
  – **mute**: turn the onboard microphone either on or off. Tap to mute your phone during a call. Tap again it unmute.
  – **hold**: puts a call on hold. Tap to put the present call on hold. Tap again to reconnect.
  – **add call**: allows you to add another call to your present conversation. For more information, refer to *"3-Way (Multi-Party) Calling"* on page 33.

### *Placing a Call on Hold*

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap ⬍ then tap **hold**. The hold icon changes colors. This action places the current caller on hold.

2. You can later reactivate this call by tapping **hold** again.

### *Making a New Call During a Call in Progress*

1. Tap ⬍ then tap **add call**. The Call History screen is displayed.

2. Select a number from your recent calls, or tap 🌐 to dial a number. You can also tap 🔲 to enter a number from your contacts list. Enter the number to add and touch **call**.

   Once connected, the active call appears on the call screen and the call on hold appears in a box at the top of the display.

### *Switching Between Calls*

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap the bar at the top of your display to swap between the two calls.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call appears on the call screen.

2. Tap the bar at the top of your display again to swap back.

3. Tap **end call** to end the currently active call. The call on hold is then reconnected.

### Answering a Call During a Call in Progress

1. There are several options available when a call is received when you have a call in progress. Tap one of the following:

   • **answer**: allows you to answer the incoming call and put the first call on hold.
   • **ignore**: sends the new call to your voicemail. The first call stays connected.
   • **end call + answer**: allows you to answer the incoming call and end the end the first call.

2. If you selected **answer**, tap the bar at the top of your display to swap between the two calls.

### 3-Way (Multi-Party) Calling

The 3-Way or Multi-Party feature allows you to make or answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together.

1. While connected to two different callers (one is on hold), tap .

2. Tap **merge calls**.

   The three calls are conferenced together and are displayed on the Conference screen.

3. Tap **end call** to end the conference call.

## Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in a portrait (upright) or landscape (sideways) orientation. The landscape orientation makes entering text easier. If the phone is sideways or upright, an on-screen, QWERTY keypad is displayed.

### Keys

You can enter characters into your phone by using an on-screen, QWERTY, portrait or landscape keypad. In both formats, the keys are associated with alphabetic letters, special characters, or numbers, as shown in the following layouts.

From a screen where you can enter text, for example the New Message screen, hold your phone in an upright position to display the portrait version of the on-screen QWERTY keypad.
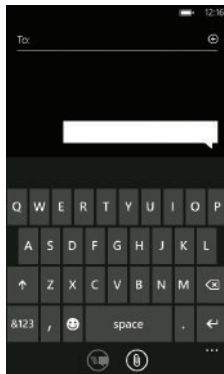
Create New Message
Portrait Keypad

Rotate your phone counterclockwise to display the landscape version of the on-screen QWERTY keypad.
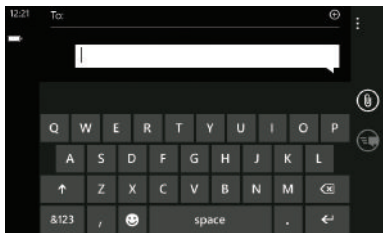
Create New Message
Landscape Keypad

Based on your keyboard settings, the first letter of an entry is capitalized and all consecutive letters are kept in lowercase unless you touch the Shift key ( ↑ ) or enter a period. After entering a character, the cursor automatically advances to the next space. For more information, refer to *"keyboard"* on page 76.

For certain fields, such as the New Message **To** field, a dialer keypad is displayed when you touch the **123** key to enter a recipient's phone number. For more information, refer to *"Messaging"* on page 61.
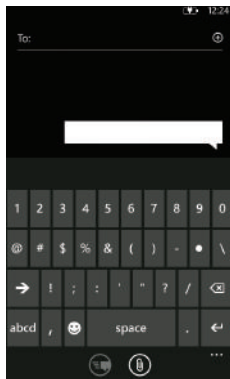


Create New Message
Number Keypad

### Using the QWERTY Keypad

This phone offers the convenience of an on-screen QWERTY keypad. Using the QWERTY keypad to type letters, numbers, punctuation, and other special characters into text entry fields or other applications should be simple and fast.

The following keys perform special functions when entering text. Some keys may perform differently depending on the field in which text is being typed.
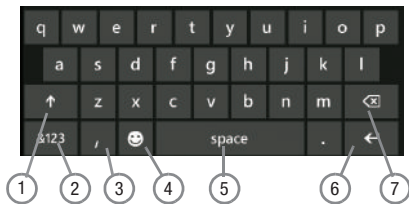
1. **Shift:** Used to switch between uppercase and lowercase characters.

2. **123** or **&123:** Touch once to type special characters and numbers that appear on the QWERTY keys. Examples: $, #, !, 1, 2. After all characters and numbers have been selected, press **abc** or **abcd**.

3. **@** or **Comma:** Touch once to type the character displayed, which may be the @ character or a comma, depending on the field in which text is being typed.

4. **Semicolon** or ☺: Touch the semicolon to separate addresses or phone numbers. Touch ☺ to display two screens of Emoticons. Touch either ➔ or ← to cycle

between the two Emoticon screens. Touch a character on the screen. After all characters have been selected, touch **abcd**.

5. **Space:** Touch to insert an empty space.

6. **Enter:** Touch to move the insertion point to the next line in a message.

7. **Backspace:** Touch to delete the previous character, similar to the backspace key on a computer keyboard.

The keypad provides keys labeled with alphabetic characters. Touch the key corresponding to the character you want to enter.

### Changing the Text Input Mode

There are three main keypad layout keys that change the on-screen keys within the QWERTY keypad.

The available Text Input modes are:

**&123** **Symbol and Number Mode**: activates the symbol and number keys.

**abcd** **Alphabetic Mode**: activates the default alphabet keys. Switch between uppercase and lowercase by touching the shift ( ↑ ) key.

**Emoticons**: activates the Emoticon keys. Touch ➡ or ⬅ to cycle between the two Emoticon screens.

**Note:** When in **abcd** mode, the **&123** key appears. When in **&123** mode, the **abcd** key appears.

### Using Alphabetic Mode

1. Whenever you enter text (while creating a message, an email, and so on), if desired, rotate your phone counterclockwise to a landscape orientation.

2. A screen similar to the following displays:
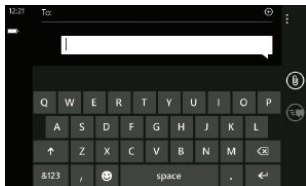


   The Text Input mode is initially set to **abcd** mode.

**Note:** Some Text Input screens display black keys on a light background.

3. Tap the desired alphabetic characters. After typing the first letter, the following letters are lowercase.

4. Tap ⬆ to input another uppercase letter. Tap ⬆ twice to switch to caps lock mode and the shift key changes to ⬆. All following letters are uppercase until you tap the shift key again.

### Using Symbol and Numeric Mode

Use Symbol and Numeric mode to add numbers and symbols.

1. Touch &123 at the bottom of the screen. The following screen displays:



2. Tap the desired number and symbol characters.

3. Touch either ➡ or ⬅ to cycle through additional pages.

**4.** Touch abcd to return to Alphabetic mode.

## Using Emoticon Mode

Use Emoticon mode to add combinations of characters to your text input.

**1.** Touch 😊 at the bottom of the screen. The following screen displays:
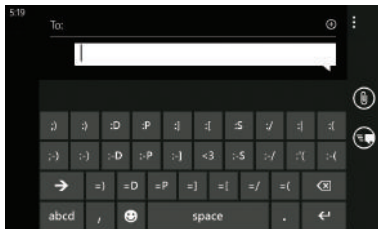


**Note:** Emoticons are not available for some input fields.

**2.** Touch either → or ← to cycle between the Emoticon screens.

**3.** After all characters have been selected, press **abcd** to return to Alphabetic mode.

## Using Text Suggestions

Based on your keyboard settings, your phone suggests alternatives to what you are typing including correct spelling of words similar to what you are entering. For more information, refer to *"keyboard"* on page 76.

**1.** Touch a text input field.

**Note:** Text suggestion and spelling check are not available for some input fields.

**2.** Begin typing a word. A list of word options is displayed. Touch one of the words to replace the word that has already been typed or sweep across the list of words for more word suggestions.
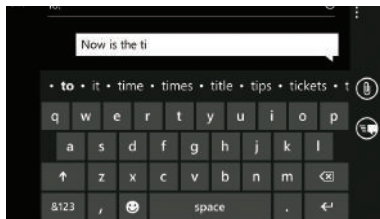
If you replace the word, a space is entered after the word and the cursor automatically advances to the next space.

3. Continue typing. If you are typing a message or an email, touch **send** 🔘. For more information, refer to *"Messaging"* on page 61.

## Keyboard Settings

You can customize the way your phone handles certain functions while you enter text. You can also remove all the words you have added to your suggestion list.

For more information, refer to *"keyboard"* on page 76.

## Section 5: Your People Hub

This section allows you to manage your daily contacts by storing their name, number, email, and other information in your phone using the People feature.

### Importing SIM Contacts to Your Phone

You can import all contacts from your SIM card to your phone.

1.  From the Home screen, tap ⊜ ➔ **Settings** ⚙
    ➔ **applications** ➔ **people**.

    – or –

    From the Home screen, tap **People** ▞.

2.  Tap **import SIM contacts**.

    The phone then copies all contacts from your SIM card to your phone.

---

**Note:** The **import SIM contacts** option displays in the **people** menu if there are no contacts listed.

---

### Deleting People Entries

You can delete People entries from your phone's memory. To delete any People entry:

1.  From the Home screen, tap **People** ▞.

2.  Within the People list, touch and hold a contact that you want to delete.

3.  Touch **delete** on the displayed list.

4.  If there are linked profiles for the contact, the **CHOOSE A PROFILE TO DELETE** screen is displayed. Tap the profile that you want to delete.

5.  At the **Delete Phone profile?** prompt, tap **delete** to delete the contact or **cancel** to exit.

### Adding a New Contact

Use the following procedure to store a new contact to your People.

1.  From the Home screen, tap **People** ▞.

2.  From the People screen, tap ⊕.

3.  Tap the **add photo** icon and assign a picture to the new entry. Select a picture from your photos or tap the 📷 icon to take a new picture with your camera. Tap ⊘ when you have made a selection.

4.  Tap **name** then tap the **First name** and **Last name** fields and use the on-screen keypad to enter names for each entry. You can also scroll down to enter additional information. For more information, refer to *"Entering Text"* on page 34.

5.  When finished, tap ⊘.

6.  Tap **phone** then tap the **Phone number** field. The numerical keypad is displayed. Enter a number.

7.  Tap the **Phone number type** field and select a number type.

8.  When finished, tap ⊘.

9.  Tap **email** then tap the **Email address** field and use the on-screen keypad to enter an email address.

10. Tap the **Email address type** field and select an email type.

11. When finished, tap ⊘.

12. Tap **ringtone** then select a ringtone from the displayed list.

13. Tap **other** then select any fields that you would like to add to the contact.

14. Tap **Save** ⊡ to save the contact information.

### Editing an Existing Contact

When editing an existing contact, you can touch a field and change or delete the information, or you can add additional fields to the contact's list of information.

1.  From the Home screen, tap **People** ▦.

2.  From the People screen, tap the contact that you want to edit.

3.  At the contact profile screen, tap ⊘ at the bottom of the screen.

4.  Tap the fields that you want to edit and then use the keyboard to make any changes.

5.  Tap **Save** ⊡ to save the edited information.

### Using Your People List

#### *Dialing or Messaging from People*

Once you have stored phone numbers in your People, you can dial or message them quickly and easily.

1.  From the Home screen, tap **People** ▦.

2.  Within the People list (sorted alphabetically), tap any letter (on the left side of the display) to display all of the letters for which you have People information.

**3.** Touch a letter to quickly jump to the contacts beginning with that letter.
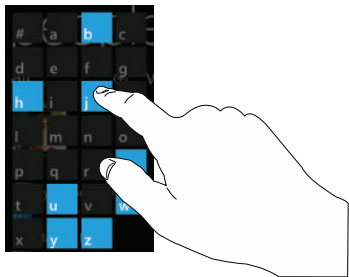


**4.** Touch the contact you wish to call or message.

**5.** Touch **call mobile** to make a phone call or **text mobile** to send a message.



**Note:** Depending on the phone type that you entered when the contact was created, the display may show **call home**, **call company**, **call phone**, and so on.

For more information, refer to *"Creating and Sending Text Messages"* on page 61.

### *Searching for People*

You can also find a contact in your People list by using the Search option.

**1.** From the Home screen, tap **People** → **all** → 🔍.

The search screen displays with a listing of all your contact's names.

2. Use the on-screen keypad to type the beginning letters of the contact's name that you are trying to find.

   The list displays names that begin with the letters you have typed.

3. Touch a name in the list to display the contact's profile.

## Linking People

### Linking People Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Windows Live, Outlook, Google, and Facebook. When you synchronize your phone with these accounts, each account creates a separate contact entry in the People list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Hotmail, but also has a Facebook account under her maiden and married name, as well as a Google account, when you merge these accounts into your Contacts list you can link all of her entries and view the information in one record.

43

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 44.

1. From the Home screen, tap **People** .

2. Touch a contact name (the name you want to link to another entry). Typically, this is the same contact with a different name or account information.

3. Tap .

4. Tap **choose a contact**.

5. Touch the second contact entry (the entry in which to link). The second contact is now linked with the first and the account information is merged into one screen.

**Note:** The information is maintained in the first entry that you selected.

6. Touch the linked contacts to view the contact information you linked. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

### Unlinking People

1. From the Home screen, tap **People** .

2. Touch a contact name (the account name from which you want to unlink an entry).

3. Touch . A number displays over the link symbol showing how many contacts are linked to this contact. The names of all the contacts that are linked are displayed.

4. Tap the contact you want to unlink.

5. At the prompt, tap **unlink**.

   The contact is now "unlinked" and no longer displays in the merged record screen.

### Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

To set up an account, follow these steps:

1. From the Home screen, tap **People** .

2. Sweep your screen to the left to display the **what's new** screen.

3. Tap **set up account**.

4. Touch an account type to add. Select **Windows Live**, **Outlook**, **Yahoo! Mail**, **Google**, **Facebook**, **other account**, or **advanced setup** (used for accounts that use Exchange ActiveSync).

5. Follow the on-screen instructions. The selected account type synchronizes with your Contacts list.

### What's New

Synchronized accounts display information on the **what's new** screen. For example, if you add your Facebook account, you can see what your contacts are posting.

### Importing Facebook Contacts

When you add your Facebook account, your profile picture displays at the top of your People list. Tap the picture to go to your Facebook profile. Also, your phone imports all of your Facebook contacts and creates a profile for each contact or adds information to existing profiles. You can limit imported Facebook contact information to the existing contacts already on your phone. For more information, refer to *"people"* on page 82.

## Recent Activities

From the recent screen you can see the contacts that you viewed last.

1. From the Home screen, tap **People** ▦.

2. Sweep your screen to the left twice to display the **recent** screen.

3. Tap a contact to see their profile.

## People Options

You can access several options while viewing the details page for a specific entry.

1. From the Home screen, tap **People** ▦.

2. Tap on a specific contact entry.

3. Tap one of the following options:

| | |
|---|---|
| ⊘ | **pin**: Tap the pin icon to pin this contact to your Home screen. |
| ∞ | **link**: Tap the link icon to link several contacts together. For more information, refer to *"Linking People"* on page 43. |
| ⊘ | **edit**: Tap the edit icon to make changes in the contact's information. |

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| | |
|---|---|
| ••• | **delete**: Tap the options icon and then tap **delete** to delete the contact from your People list. |

## Additional People Options

If you choose the **Show all my Facebook friends** option, additional information from Facebook is displayed on the profile pages of your contacts.

1. From your **people** list, tap a contact entry.

   Depending on the information available on Facebook, phone numbers, home addresses, company names, email addresses, birthdays, and so on, are displayed. There is also a **write on wall** option.

2. Sweep the screen to the left on any contact profile to the **what's new** screen for that contact.

   Posts for the contact are displayed. Scroll down the posts and tap **get older posts** to display additional posts.

If you choose the **Only add Facebook info to existing contacts** option, additional information from Facebook is only displayed on the profile pages of your existing contacts. For more information, refer to *"people"* on page 82.

## Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including Music, Music Player, AT&T Radio, Video Player, Gallery, Camera, and Camcorder.

### Music and Videos

This section explains how to access music, videos, podcasts, and radio on your phone. To get started, you have to get in Sync.

To get started downloading and playing music, videos, and podcasts on your phone:

1. From the Home screen, tap ⊖ ➔ **Music + Videos** ⊗ .

2. Sweep across the screen to the right or left to view the following:

   • **Zune**: allows you to play music, videos, and podcasts downloaded from your PC. It also gives you access to the built-in FM radio and the music area of the online marketplace.

   • **history**: displays thumbnails that indicate songs or videos you have recently played. Tap the thumbnail to return to replay that song or video.

   • **new**: displays a reminder to connect to your PC to sync your music, videos, pictures, and podcasts. Once your phone has been synced with Zune, new items are displayed.

   • **marquee**: Displays links to other music applications, such as AT&T Radio.

#### *Using Zune To Stay In Sync*

To sync your music, videos, pictures, and updates from your computer to your phone, or vice versa, you must first download and install the Zune software.

To download, install, and use the Zune software:

1. To download the Zune software on your computer, go to http://www.zune.net.

2. Connect your phone to your PC using the USB cable that came with your phone.

3. In the Zune software, click **collection**, and find the music, videos, pictures, or podcasts that you want to sync.

4. Drag the items to the phone icon in the lower-left corner of the Zune software.

Once you have Zune installed on your PC and you have downloaded music, videos, or podcasts, display the Zune menu to play them on your phone.

### Zune Pass

Zune Pass is a monthly music subscription service. Some Marketplace content may not be available through Zune Pass and may vary over time. On Xbox LIVE, Zune Pass allows for music streaming only and requires an Xbox LIVE Gold subscription (10 monthly song credits are still available for download on your PC, Windows Phone, or Zune media player). On your Windows Phone, the streaming feature requires wireless network access. Carrier fees may apply. For more information, go to http://www.zune.net.

### Music

To play music files from Music + Videos:

1. From the Home screen, tap ⊙ ➔ **Music + Videos** ⟨icon⟩
   ➔ **music**.

   The **artists** category is displayed.

2. Sweep across the screen to the right or left to view more music categories.

   The choices are: **artists**, **albums**, **songs**, **playlists**, and **genres**, which have to be downloaded from your PC.

   A thumbnail, the song name, and the category are displayed for each file.

3. Touch and hold a thumbnail to display the following option:

   • **add to now playing**: adds the selected song to the list of songs currently playing.

   • **pin to start**: allows you to add a tile on the Home screen for this song. For more information, refer to *"Moving Tiles on the Home Screen"* on page 26.

   • **delete**: delete the song.

4. Touch the song that you want to play.

   The song begins to play in portrait mode. At the bottom of the screen the time information (time played and time remaining) and the music controls are displayed.

5. The following music controls are available:

   | ⟨icon⟩ | Pause the music. |
   | --- | --- |
   | ⟨icon⟩ | Start the music after being paused. |
   | ⟨icon⟩ | Tap to rewind the music. Tap twice play the previous song. |
   | ⟨icon⟩ | Press and hold to fast-forward the music. Tap to play the next song. |

### *Videos*

To play videos from the Music + Videos application:

1. From the Home screen, tap  ➔ **Music + Videos** 
   ➔ **videos**.

   The **all** video category is displayed.

2. Sweep across the screen to the right or left to view more
   video categories.

   The choices are: **all**, **tv**, **music**, **movies**, and **personal**. Your
   personal videos (see *"Shooting Videos"* on page 57) are
   displayed in the **all** and **personal** categories. **tv**, **music**, and
   **movies** videos have to be downloaded from your PC.

   A thumbnail, the video file name, the category, and the
   date created are displayed for each video.

3. Touch and hold a video to display the following option:

   • **pin to start**: allows you to add a tile on the Home screen for this
     video. For more information, refer to *"Moving Tiles on the
     Home Screen"* on page 26.

   • **delete**: delete the video.

4. Touch the video that you want to play.

The video begins to play in landscape mode. At the bottom
of the screen the video file name, the video controls, and
the time information (time played and total time) are
displayed.

5. The following video controls are available:

     Pause the video.

     Start the video after being paused.

     Press and hold to rewind the video.

     Press and hold to fast-forward the video.

---

**Note:** If no control icons are displayed on the screen in addition to the
picture, tap anywhere on the screen to display them.

---

6. Tap  to return to the thumbnails screen.

### Podcasts

To play podcast files from Music + Videos:

1. From the Home screen, tap ◉ ➔ **Music + Videos** ※
   ➔ **podcasts**.

   The **audio** category is displayed.

2. Sweep across the screen to the right or left to view more
   podcast categories.

   The choices are: **audio** and **video**, which have to be
   downloaded from your PC.

   A thumbnail, the podcast name, the category, and the date
   created are displayed for each file.

3. Touch and hold a podcast to display the following option:

   • **pin to start**: allows you to add a tile on the Home screen for this
     podcast. For more information, refer to *"Moving Tiles on the
     Home Screen"* on page 26.

   • **delete**: delete the podcast.

4. Touch the podcast that you want to play.

   The podcast begins to play in portrait mode. At the bottom
   of the screen the time information (time played and time
   remaining) and the podcast controls are displayed.

5. The following podcast controls are available:

   ⓘ    Pause the podcast.

   ▶    Start the podcast after being paused.

   ◀◀   Rewind the podcast.

   ▶▶   Fast-forward the podcast.

### Radio

The built-in FM radio in your phone provides free music from
your local radio stations.

To use the radio:

► From the Home screen, tap ◉ ➔ **Music + Videos** ※
   ➔ **radio**.

   A **No antenna** message displays, if you have not plugged in
   your headphones. Plug in your headphones to display the
   radio controls.

---

**Note:** A stereo headset is included with your phone.

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To change the station:

▶ Touch the slider, under the current station number, and drag to the left or right.
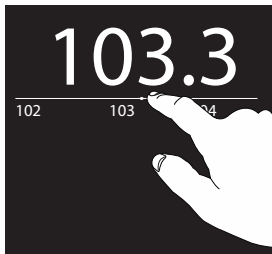


– or –

Tap either end of the slider to speed through the stations.

– or –

Press the Volume Key to display the following controls:

 Turn the sound off. This control also displays at the bottom of the screen.

 Turn the sound on. This control also displays at the bottom of the screen.

 To change to a lower station number.

 To change to a higher station number.

**Radio Station Favorites**

To set a favorite station:

1. Set the station.

2. Touch  to save the station as a favorite.

To view your favorite stations:

1. Touch  to display your favorites list.

2. Touch a station in the list to change to that station.

To remove a favorite station:

1. Touch  and station in the list to change to that station.

2. Touch  to delete the station from your favorites list.

### Radio Options and Settings

To view additional radio options and settings:

▶ Touch and hold below the slider.

The following options display:

- **pin to start**: add a tile for the current station to the main menu.
- **settings**: allows you to set the region for your FM radio. Choices are: North America, World, or Japan.
- **radio mode: speaker / headset**: allows you to listen to the radio with a headset or the phone speaker. The headphones must be plugged in even in speaker mode.

### *Marketplace*

To visit the music area of the marketplace application from Music + Videos:

1. From the Home screen, tap 🔵 ➔ **Music + Videos** 🎵 ➔ **marketplace**.

   The **artist of the week** displays.

2. Sweep across the screen to the right or left to view more music categories.

   The choices are: **artist of the week**, **featured**, **new releases**, **top albums**, and **genres**.

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- **artist of the week**: displays the artist's album, the songs on the album, and the cost of each song. Touch the artist's name to view more albums. Touch and hold on a song to buy the song or share it with friend in a message.
- **featured**: displays one or more featured artists. Touch an artist's name to display their albums and songs.
- **new releases**: displays recently released albums and songs. Touch an album thumbnail to play sample music.
- **top albums**: displays one or more popular albums and the songs on the albums. Touch an album thumbnail to play sample music.
- **genres**: allows you to access music based on your music genre preferences. Touch the name of a music genre to view new releases, top songs, top albums, top playlists, and top artists for that genre.

**Note:** Before using Marketplace to buy music, you must set up a free Microsoft Live account. For more information, refer to *"Using the Start-up Wizard"* on page 8.

### AT&T Radio

AT&T Radio combines unlimited personal radio stations with over 75 commercial free genre stations, more than 400 local stations, news, talk, sports, and more!

**Note:** This product uses a large amount of data. You will be required to subscribe to an eligible Data Plan before purchasing to avoid high data charges on your bill.

1. From the Home screen, tap ![icon] ➔ **AT&T Radio** ![icon] .

2. Read the notification that displays and touch **Accept** to continue or **Decline** to exit.

---

**Note:** This is a paid service. Initially, you will only be allowed a trial period before you have to register for the paid service.

---

3. At the AT&T Radio main screen, the following options are available:

    • **genre radio**: allows you to access radio stations based on your music genre preferences.

    • **now playing**: displays the currently playing genre and selection.

    • **last played**: displays the last played genre and selection.

    • **settings**: lets you view the about and help information for AT&T Radio. You can also reset the application, which clears all AT&T Radio settings and preferences.

    Touch the **now playing**, **last played**, or **recent** item to return to that genre selection.

4. Touch the genre and sub-genre, if required, that you want to play.

The currently playing selection displays. The genre, artist, album title, song title, and time information (time played and total time) also display.

5. At the bottom of the screen the following controls are available:

    ![icon] **home**: return to the AT&T Radio main menu.

    ![icon] **stop**: stop playing the selection.

    ![icon] **play**: play the selection.

    ![icon] **last played**: play the previous selection.

    ![icon] **mute**: turn off the sound.

    ![icon] **unmute**: turn on the sound.

6. Tap ![icon] to return to the Application menu.

7. Select from one of the available categories by touching an option.

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## Pictures

The Pictures application is where you view photos and play back videos. You can also set photos as wallpaper and share them as a picture message.

### *Uploading To SkyDrive*

Windows Live SkyDrive provides free storage so you can store photos online, share them with the people you choose, and access them from any web browser. Various options include **upload to SkyDrive** if you have set up a Windows Live email account.

For more information about SkyDrive, go to http://explore.live.com/ and click on **SkyDrive**.

### *Accessing Pictures and Videos*

When you take a photo or shoot a video, the file is saved so you can view your photos and videos at any time. To access photos and videos:

1. From the Home screen, tap ⊙ ➔ **Pictures** 🔲 .

   The pictures screen displays. Touch and hold the screen to display the following options:

   • **change background**: allows you to pick an existing photo and apply it as wallpaper to the pictures screen.

   • **change it for me**: allows the phone to change and apply an existing photo as wallpaper to the pictures screen.

2. Touch **all**, **date**, or **favorites**.

   Pictures and videos are displayed depending on which option you choose:

   • **all**: thumbnails are displayed for groups of pictures such as Camera Roll, which contains taken photos and videos, and delivered photos. Other pictures are displayed depending on the accounts you have set up such as Windows Live, Facebook, and so on.

   • **date**: thumbnails of all photos and videos are displayed in order of month and year created.

   • **favorites**: thumbnails are displayed of all photos that you have marked as a favorite.

   You can sweep across the screen to display the **all**, **date**, or **favorites** screens.

3. Touch and hold a thumbnail to display the following options:

   • **delete**: delete the photo or video associated with the thumbnail.

   • **share...**: share the photo with others. Options are:

     – **Messaging**: opens a New Message screen with the photo in-line. For more information, refer to *"Creating and Sending Multimedia Messages"* on page 62.

– **Email**: opens a New Email screen with the photo in-line. This option varies depending on how you have your email set up.

– **upload to SkyDrive**: upload the photo to SkyDrive (see *"Uploading To SkyDrive"* on page 53).

• **add to favorites**: add the photo to your favorites.

**Note:** If your device displays that the memory is full when you access **Pictures**, delete some of the files.

### *Viewing Pictures*

Once you locate the photo you want to view:

**1.** Touch the thumbnail to view the picture.

**2.** While viewing a photo, touch each side of the photo and swipe inward or outward to zoom in or out.

– or –

Tap the screen twice to zoom in or out.

You can magnify the photo up to 400 percent.

Touch and drag a magnified photo to move the focus to the area you touch.

**3.** Sweep across the screen to the right or left to view more photos and videos.

**4.** Touch and hold a picture to display the following options:

• **add to favorites**: add the photo to your favorites.

• **delete**: delete the photo.

• **upload to SkyDrive**: upload the photo to SkyDrive (see *"Uploading To SkyDrive"* on page 53).

• **upload to Facebook**: upload the photo to Facebook. This option appears if you have set up a Facebook account.

• **share...**: share the photo with others. Options are:

– **Messaging**: opens a New Message screen with the photo in-line. For more information, refer to *"Creating and Sending Multimedia Messages"* on page 62.

– **Email**: opens a New Email screen with the photo in-line. This option varies depending on how you have your email set up.

– **upload to SkyDrive**: upload the photo to SkyDrive (see *"Uploading To SkyDrive"* on page 53).

– **upload to Facebook**: upload the photo to Facebook. This option appears if you have set up a Facebook account.

• **use as wallpaper**: displays a box around the picture that indicates the wallpaper size. Touch and drag the picture to frame the area of the picture you want to use for wallpaper. Touch 🔘 to crop the photo and save it to the Wallpaper folder. For more information, refer to *"lock & wallpaper"* on page 74.

**5.** Tap ⬅ to return to the thumbnails screen.

### *Viewing Videos*

To view a video:

1.  Touch the thumbnail to view the video.

    The first frame of the video displays indicating the length of the video in minutes and seconds (for example, **01:25**). The play button ![play] is also displayed.

2.  Touch ![play] to play the video. Touch ![pause] to pause the video playback. Touch and hold ![fast forward] to fast forward through the video or touch and hold ![rewind] to rewind the video.

**Note:** If no control icons are displayed on the screen in addition to the video, tap anywhere on the screen to display them.

3.  Touch and hold a video to display the following option:

    *   **delete**: delete the video.

4.  Tap ![back] to return to the thumbnails screen.

You can also play videos from **Music + Videos** ![icon]. For more information, refer to *"Videos"* on page 48.

## Camera

This section explains how to use the camera and the camcorder on your phone. You can take photographs and shoot videos by using the built-in camera functionality. Your 5 megapixel camera produces photos in JPEG format.

### *Adding a Location Tag To Your Pictures*

The first time you open the Camera application, you are asked if a tag location (known as Geotagging) can be added to your pictures. This allows you to see where your pictures were taken. If you are interested in this service:

1.  Touch **Privacy Statement** to view the Windows Phone 7 Privacy Statement Highlights document.

2.  Touch **allow** or **cancel** to accept or reject location tagging.

### *Camera and Camcorder Mode*

To toggle between Camera and Camcorder mode:

►   Touch the Camera or Camcorder Mode icon ( ![icon] ).

Once you change the mode, the corresponding settings appear. For more information, refer to *"Camera and Camcorder Settings"* on page 57.

### Taking Photos

Taking photos with your device's built-in camera is as simple as choosing a subject, pointing the camera, and pressing the camera key.

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**Important!:** Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

---

To activate the camera mode:

1. From the Home screen, tap 🔄 ➔ **Camera** 📷 .

   – or –

   Press the Camera key ( ▭▭▭ ).

2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.

---

**Note:** When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

---

3. Before you take a photo, touch **+** and **-** to zoom in or out. You can magnify the picture up to 400 percent.

4. If desired, before taking the photo, you can touch the Photo Camera Settings icon ( ◎ ) to access various camera options and settings. For more information, refer to *"Camera and Camcorder Settings"* on page 57.

5. Press the Camera key ( ▭▭▭ ) until the shutter sounds.



Photos and Videos    Display Image    Camera Key    Mode    Zoom In    Zoom Out    Settings
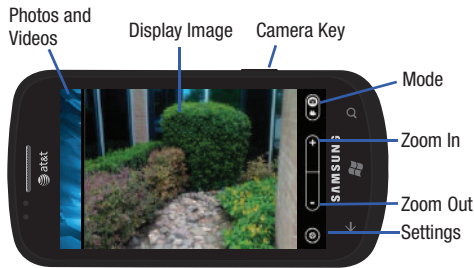
Photos are automatically stored within your designated storage location.

### Automatically Sharing Pictures Online

If you are signed in to your Windows Live account, when you view your first photo or video from within Camera, you are asked if you want to **Automatically share pictures online?**

**Warning!:** This uses your data plan and may incur charges.

1. Touch **choose an option**, then touch one of following options:

   • **friends**: to share your pictures only with friends.

   • **me**: to make your pictures available only to you.

   • **everyone (public)**: to let everyone view your pictures.

   • **don't upload**: to keep your photos from being uploaded to SkyDrive (see *"Uploading To SkyDrive"* on page 53).

2. Touch **ok**.

### *Shooting Videos*

**Tip:** When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the Home screen, tap ⊜ ➔ **Camera** 📷.

   – or –

   Press the Camera key ( ⬛ ).

2. Touch the Camera or Camcorder Mode icon ( 🎥 ) to switch to Camcorder mode ( 🎥 ).

3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.

4. Press the Camera key ( ⬛ ) to begin shooting video.

5. Press the Camera key to stop the recording and save the video file to your Pictures folder.

### *Camera and Camcorder Settings*

To access various camera and camcorder options and settings:

▶ Touch the Settings icon ( ⚙ ). The Photo Camera Settings or Video Camera Settings screen displays.

The following options appear for the camera only:

• **AF Mode**: allows you to set the auto focus. Choices are: Macro and Normal.

• **ISO**: determines how sensitive the image sensor is to light. Valid values are: Auto, 50, 100, 200, 400, or 800.

• **Metering**: metering generally refers to the way the camera itself comes about the correct exposure for a picture. Choices are: Matrix Center Weighted, or Spot.

• **Photo Quality:** allows you to set the photo quality to Low, Medium, or High.

• **Wide Dynamic Range**: turn this option on to overcome large difference in foreground and background light levels.
• **Photo Resolution**: allows you to set the image size to either: VGA (640x480), 2M (1600x1200), 3M (2048x1536), or 5M (2560x1920).
• **Anti-Shaking**: turn this option on for clear and blur-free photos even when your hands are shaking or when your subjects are moving.

The following options appear for the camcorder only:

• **Video Quality**: allows you to set the video quality to Low, Medium, or High.
• **Video Resolution**: allows you to set the video size to either: VGA or 720p HD (24 fps).

The following options appear for the camera and the camcorder:

• **White Balance**: allows you to set this option to one of the following choices: Automatic, Incandescent, Fluorescent, Daylight, or Cloudy.
• **Image Effect**: allows you to change the color tone or apply special effects to the photo. Options include: None, Mono, Negative, Sepia, Antique, Green, or Blue.
• **Contrast**: allows you to adjust the contrast: Options are: Minimum, Low, Medium, High, and Maximum.

• **Saturation**: allows you to control the intensity of the hues in your photo or video. Options are: Minimum, Low, Medium, High, and Maximum.
• **Sharpness**: allows you to control the sharpness in your photo or video. Options are: Minimum, Low, Medium, High, and Maximum.
• **EV**: helps you avoid underexposed (too dark) or overexposed (too light or white) photos. Options are: **-2** (minimum), **-1** (low), **0** (medium), **+1** (high), and **+2** (maximum).
• **Restore to default**: touch this option to restore all setting to the default values.

To set the camera flash, touch:

To turn the flash on.

To turn the flash off.

To set the flash to automatic.

To set the camcorder light, touch:

To turn the light on.

To turn the light off.

### *Viewing Photos and Videos*

To view photos and videos while in Camera:

1. Drag the photo or video at the left of the display area onto the display area. Sweep across the screen to the right to view more photos and videos.

2. While viewing a photo, touch each side of the photo and swipe inward or outward to zoom in or out. You can magnify the photo up to 400 percent.

   Touch and drag a magnified photo to move the focus to the area you touch.

3. To play videos, touch ⏵. Touch ⏸ to pause the video playback. Touch and hold ⏭ to fast forward through the video or touch and hold ⏮ to rewind the video.

4. Sweep across the screen to the left or press the Camera key to return to the viewfinder.

### *Photo and Video Options*

When you view a photo or video, you can access and use various options.

1. Touch and hold on a picture or video while viewing.

   The following options display for photos and videos:

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• **delete**: delete the photo or video.

These additional options display for photos:

• **add to favorites**: add the photo to your favorites. For more information, refer to *"Pictures"* on page 53.

• **upload to SkyDrive**: upload the photo to SkyDrive (see *"Uploading To SkyDrive"* on page 53).

• **share...**: use this option to share the photo with others. Options are:

  – **Messaging**: opens a New Message screen with the photo in-line. For more information, refer to *"Creating and Sending Multimedia Messages"* on page 62.

  – **Email**: opens a New Email screen with the photo in-line. This option varies depending on how you have your email set up.

  – **upload to SkyDrive**: upload the photo to SkyDrive (see *"Uploading To SkyDrive"* on page 53).

• **use as wallpaper**: displays a box around the picture that indicates the wallpaper size. Touch and drag the picture to frame the area of the picture you want to use for wallpaper. Touch ⊘ to crop the photo and save it to the Wallpaper folder. For more information, refer to *"lock & wallpaper"* on page 74.

2. Tap ← or tap the screen to close the options list.

### *Accessing Photos and Videos*

When you take a photo or shoot a video, the file is saved in the Pictures folder. You can view your photos and videos immediately or view them anytime in the Camera folder.

▶ From the Home screen, tap ⊖ ➔ **Pictures** 🖼
   ➔ **all, date, favorites**.

   For more information, refer to *"Pictures"* on page 53.

### *Assigning an Image To a Contact*

The Camera is also used to create an image that can be assigned to the profile of one of your contacts or to your Me profile.

1. From the Home screen, touch ⊖ ➔ **People** 👥
   ➔ **<contact>** ➔ **edit** ✏.

2. Touch **add photo** ➔ **camera** 📷.

3. Take a photo and touch **accept** or **retake**.

4. Touch each side of the photo and swipe inward or outward to zoom in or out within the crop area. Touch and drag the photo to move it within the crop area.

5. Touch **crop** ✅ to assign the cropped photo to the contact.

For more information, refer to *"Your People Hub"* on page 40.

### *Assigning a Photo as Wallpaper*

You can assign a photo as wallpaper immediately (see *"Photo and Video Options"* on page 59) or by the following alternative methods:

1. From the Home screen, tap ⊖ ➔ **Pictures** 🖼
   ➔ **all**, **date**, or **favorites**.

   – or –

   From the Home screen, tap ⊖ ➔ **Settings** ⚙
   ➔ **system** ➔ **lock & wallpaper** ➔ **change wallpaper.**

2. Touch **Camera Roll** then touch the photo you want to use as wallpaper.

3. Touch each side of the photo and swipe inward or outward to zoom in or out within the crop area. Touch and drag the photo to move it within the crop area.

4. Touch **crop** ✅ to assign the cropped photo as wallpaper.

For more information, refer to *"lock & wallpaper"* on page 74.

## Section 7: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

### Types of Messages

Your phone provides the following message types:

• Text Messages
• Multimedia (Picture) Messages
• Email Messages

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

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**Important!:** When creating a message, adding an image to a text message changes the message from a text message to a multimedia message.

---

When messages are received, the number of messages is displayed in the Messaging icon 🔵2 on the Home screen.

### Creating and Sending Text Messages

To create a new message and send it to another mobile phone or an email address:

1.  From the Home screen, touch **Messaging** 🔵 .

    – or –

    Touch 🔵 ➔ **Messaging** 🔵 .

2.  Touch **new** 🔵 .

3.  Tap on the **To** field to manually enter a recipient. Touch the **123** key on the on-screen keypad to enter a phone number.

    – or –

    Tap on the 🔵 button to the right of the **To** field to select a recipient from your People list. Valid entries must have a wireless phone number. Contacts with only an email address are not listed.

**4.** Tap the ⊕ button to add additional recipients from your People list. Each contact is placed in the **To** field separated by a semicolon (;).

– or –

Add more recipients by touching the recipient field.

**Note:** Each additional recipient entry must be separated by a semicolon (;).

**5.** To remove recipients, tap the entry in the **To** field then tap **remove**. You can also **open** the contact's profile or **cancel** and return to the New Message screen.

**6.** Touch the **type a message** box and use the on-screen keypad to type your message. For more information, refer to *"Entering Text"* on page 34.

**7.** Review your message and touch **send** .

**Note:** If you exit a message before you send it, the message is not saved.

### Creating and Sending Multimedia Messages

A multimedia message is a message that contains a picture attachment. To create a multimedia message and send it to another mobile phone or an email address:

**1.** From the Home screen, touch **Messaging** .

– or –

Touch  ➔ **Messaging** .

**2.** Touch **new** ⊕ .

**3.** Tap on the **To** field or touch the ⊕ button to the right of the **To** field to enter a recipients.

For more information, refer to *"Creating and Sending Text Messages"* on page 61.

**4.** Touch **attach** to choose a picture. Sweep the screen to choose from **all**, **date**, or **favorites**.

**5.** Touch the picture to attach to your message.

– or –

Touch **camera** to take a photo with the phone's camera and then add it to your message by touching **accept**. Touch **retake** to discard the photo and take another.

For more information, refer to *"Camera"* on page 55.

6. Touch the **type a message** box and use the on-screen keypad to type your message. For more information, refer to *"Entering Text"* on page 34.

7. Touch **remove** ⊖ to remove an attachment from the message.

8. Review your message and touch **send** 🔗.

## Messaging Conversations

Any messages you have sent or received can be viewed in the Messaging conversations list.

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the bottom.

### *Displaying a Messaging Conversation*

To view a conversation in the Messaging conversations list:

1. From the Home screen, touch **Messaging** 💬.

   – or –

   Touch ⊜ ➔ **Messaging** 🔲.

   The Messaging conversations list displays any messages you have sent or received.

   All messages to or from another phone or email address are grouped in one conversation. Entries in the Messaging conversations list contain the recipient's phone number, contact name, or email address, the time that the last message was received or sent, and the first words of the message.

   An entry for conversations with multiple recipients starts by indicating the number of recipients (such as **3 recipients**) and then the recipients are listed.

2. Touch an entry in the list.

The Messaging conversation is displayed. Each message to or from the recipient, and the time that the message was sent or received, is shown in a message box. Messages sent to you are shown in a From message box ▬. Messages that you sent are shown in a To message box ▬.

3. Touch the **type a message** box and use the on-screen keypad to type a reply message to the recipient. For more information, refer to *"Entering Text"* on page 34.

*Viewing a Picture Attachment*

To view a picture attached to a message:

1. Touch an entry in the Messaging conversations list.
2. Locate the message box that contains the picture attachment.
3. Touch the picture to open the picture viewer and display the picture. Touch the picture with two fingers and drag outward to zoom in or drag toward the center of the picture of zoom out.
4. Touch ← to return to Messaging conversations.

*Viewing a Video Attachment*

To view a video attached to a message:

1. Touch an entry in the Messaging conversations list.
2. Locate the message box that contains the video attachment. The file name is underlined.
3. Touch the video file name in the message box. The video player opens and plays the video.
4. To play a video attachment, touch ▶. To pause playback of the video attachment, touch ⏸. To stop playback of the multimedia message, touch ←.

*Listening To an Audio Attachment*

To listen to an audio attached to a message:

1. Touch an entry in the Messaging conversations list.
2. Locate the message box that contains the audio attachment.
3. Touch the file name to open the audio player and play the audio file.

### Deleting a Messaging Conversation

To delete a Messaging conversation:

1. From the Home screen, touch **Messaging** .

   – or –

   Touch  ➔ **Messaging** .

   The Messaging conversations list displays any messages you have sent or received.

2. Touch and hold a message in the list, then touch **delete**.

   – or –

   Touch a message in the list, then touch

   ➔ **delete conversation**.

3. Touch **delete** to delete all messages in the selected conversation or touch **cancel** to return to Messaging conversations.

### Deleting a Message

To delete a message in a Messaging conversation:

1. Touch and hold the message box that contains the message you want to delete.

2. Touch **delete** to display the Delete message? screen.

3. Touch **delete** to delete the message or touch **cancel** to return to Messaging conversations.

### Forwarding a Message

To forward a message in a Messaging conversation:

1. Touch and hold the message box that contains the message you want to forward.

   The **delete** and **forward** options display.

2. Touch **forward**.

   The New Message screen displays with the contents of the selected message included.

3. Tap on the **To** field or touch the  button to the right of the **To** field to enter a recipients.

   For more information, refer to *"Creating and Sending Text Messages"* on page 61.

4. Touch **send**  to forward the message.

## Messaging Settings

To view and change messaging settings:

1. From the Home screen, touch **Messaging** 📲.

   – or –

   Touch ⬅ ➜ **Messaging** 🔲.

2. Touch ⋯ ➜ **settings**.

   The following option is displayed:

   • **SMS center number**: allows you to enter the number of your message center where your messages reside while the system is attempting to deliver them.

**Warning!:** Check with your mobile operator before changing the SMS center number.

## Using Email

Email enables you to review and create email using Windows Live™, Outlook, Yahoo!® Mail, Google, and several other email services. You can also receive text message alerts when you receive an important email.

### Setting Up an Email Account

1. From the Home screen, touch **Email setup** ✉.

   – or –

   Touch ⬅ ➜ **Settings** ⚙ ➜ **system** ➜ **email & accounts** ➜ **add an account**.

   The Add an Account screen displays with the possible email services choices.

2. Touch an email service.

3. Enter your email address in the **Email address** field.

4. Enter your password in the **Password** field.

5. Touch **sign in**.

   If your email information is found, your account information is saved.

   If **Attention required** is displayed, touch the account, correct your **User name** and **Password**, and touch **save**.

6. For Outlook, enter the **Domain** and touch **sign in**.

   If you think your information is incorrect, touch **try again**. Otherwise, touch **advanced**, enter the **Server**, and touch **sign in**.

### *Advanced Email Setup*

For some email accounts, such as Outlook, entering your email address and password may not be enough information. You may need to enter additional information.

1. Touch **advanced setup**.

   The Advanced Setup screen is displayed.

2. Touch **Exchange ActiveSync** or **Internet email account**, depending on the kind of account you want to set up.

**Note:** If you are not sure which option to choose, check with your service provider.

3. On the Exchange ActiveSync screen, enter the **Domain** and **Server** information and adjust any other information as necessary.

   – or –

   On the Internet email account screen, enter the **Incoming email server** and **Account type** information and adjust any other information as necessary.

4. Touch **sign in**.

**Important!:** Only some "Plus" accounts include POP access allowing this program to connect. If you are not able to sign in with your correct email address and password, you may not have a paid "Plus" account. Launch the Web browser to access your account.

### *Checking Your Email*

When you have new email, a number is displayed in the Email icon on the Home screen. To check your email:

1. From the Home screen, touch the email icon (for example, Hotmail ) of the account you want to check.

   The Inbox screen displays all emails in your inbox.

2. Touch **all**, **unread**, or **urgent** to view specific emails.

   – or –

   Sweep the screen to display all, unread, or urgent emails.

   A list of emails is displayed. For each email, the sender's name, the day the email was sent, the subject of the email, and the first words of the email are displayed.

3. Touch an entry in the list to open an email.

*Email Folder Options*

The Inbox is one of many email folders. The options available while viewing a folder are located at the bottom of the screen. The options are:

⊕ **new**: create a new email.

⊜ **select**: display the emails in this folder so they can be marked. Touch to the left of an email in list to mark it with a checkmark. Once you have marked the emails, touch: **delete** 🗑, **move** 📩, **mark as read**, or **mark as unread**.

⬛ **folders**: display folders. Touch **show all folders** to display a list of folders: **inbox**, **drafts**, **outbox**, **sent items**, **deleted items**, and so on.

🔄 **sync**: synchronize your emails. For more information, refer to *"Syncing Your Email Account"* on page 71.

⋯ **settings**: displays the **sync settings** for this email account. For more information, refer to *"Email Account Settings"* on page 70. Also allows you to always blind copy yourself and to add an email signature to your emails.

    **1.** Touch **Always bcc myself** to always generate a blind copy of the email for yourself.

    **2.** Touch **Use an email signature** to check the box.

    **3.** Touch the signature field, which says **type your signature here** or **Sent from my Windows Phone,** and use the on-screen keypad to create your signature.

    **4.** Touch ✓ to save your changes.

    **add email account**: displays the Add an Account screen.

Touch and hold an email entry in the list to display the options **delete**, **mark as unread**, or **move**, which is applied only to that one email.

*Reading Emails*

When you touch an email entry in a folder, such as the Inbox, the email displays. Sweep up and down the screen to move through the email. Sweep across the screen to view the email. Touch each side of the email and swipe inward or outward to zoom in or out.

The options available while viewing an email are located at the bottom of the screen. The options are:

↩ **respond**: allows you to **reply**, **reply all**, or **forward**. In either case a new email is started that contains the current email information.

🗑 **delete**: delete the email being viewed.

**newer**: display the next email in the current folder that was received at a more recent time.

**older**: display the next email in the current folder that was received at a later time.

**mark unread**: mark the current email as unread.

**move**: move the current email to another folder.

*Creating and Sending an Email*

To create a new email message and send it to another email address:

1. From the Home screen, touch an email icon, such as **Hotmail** ✉.

2. Touch new ⊕.

   The New Email Message screen displays.

3. Tap on the **To** field to manually enter a recipient. Use the on-screen keypad to enter an email address.

   – or –

   Tap on the ⊕ button to the right of the **To** field to select a recipient from your Contacts list. Valid entries must have an email address.

4. Tap the ⊕ button to add additional recipients from your Contacts list. Each contact is placed in the **To** field separated by a semicolon (;).

   – or –

   Add more recipients by touching the recipient field.

**Note:** Each additional recipient entry must be separated by a semicolon (;).

5. Touch the **Subject** field and use the on-screen keypad to enter a subject for your email.

6. Touch the body of the email and use the on-screen keypad to enter your message. For more information, refer to *"Entering Text"* on page 34.

The options available while creating an email are located at the bottom of the screen. The options are:

**send**: after you review your message, touch send to deliver it.

**attach**: allows you to choose a picture. Sweep the screen to choose from **all**, **date**, or **favorites**.

**close**: allows you to **Save** the email to the drafts folder, **Discard** the email, or **Cancel** and keep editing the email.

**priority**: allows you to set the email's priority to **high**, **normal**, or **low**.

**show cc & bcc**: allows you copy and blind copy additional recipients. Add recipients in these two fields similar to the way **To** recipients are added.

*Adding a Windows Live Account*

When you set up a Windows Live account, you are doing more than just setting up an email account. You can get apps, play Xbox LIVE games, and other things, too.

1. From the Home screen, touch 🗗 ➔ **Settings** ⚙
   ➔ **system** ➔ **email & accounts** ➔ **add an account**
   ➔ **Windows Live**.

   The BEFORE YOU SIGN IN ... screen displays.

2. Touch **next**.

3. Enter your **Windows Live ID** using the on-screen keypad.

4. Enter your password in the **Password** field.

5. Touch **sign in**.

   The Connecting to Windows Live ... screen displays and then the email & accounts screen displays with Windows Live listed and Syncing.

*Email Account Settings*

Once your email account is set up, you may want to adjust some of your settings.

1. Touch 🗗 ➔ **Settings** ⚙ ➔ **system**
   ➔ **email & accounts**.

2. Touch the email entry (for example, Hotmail).

   The Settings for your email account (for example, Hotmail Settings) display.

3. Touch the field that contains the information you want to change.

   The fields on this screen are:

   • **Account name**: use this field to change the name that appears on your phone for this account.

   • **Email address**: displays the email address for this account.

   • **Download new content**: allows you to set how often you want your phone to download new emails for this account. Possible values are: **as items arrive, every 15 minutes**, **every 30 minutes**, **hourly**, **every 2 hours**, and **manually**. If you choose **manually**, see *"Syncing Your Email Account"* on page 71.

- **Download email from**: allows you to limit the email downloaded to your phone for this account. Possible values are: **the last 3 days**, **the last 7 days**, **the last 2 weeks**, **the last month**, **any time**.

- **Content to sync**: indicates which content to synchronize between your phone and the account, such as, Email, Contacts, Calendar, and so on.

- **Your name**: this is the name that appears on your messages.

- **User name**: displays your user name.

- **Password**: displays your password.

---

**Note:** Some fields on this screen should not be changed without consulting your service provider.

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*Syncing Your Email Account*

In order to view email messages on your phone for any email account, content has to be downloaded to your phone. *Syncing* is simply downloading content from your email provider and storing it on your phone. Use the following method if you choose to download new content manually:

1. From the Home screen, touch ⊖ ➔ **Settings** ⚙
   ➔ **system** ➔ **email & accounts.**

2. Touch and hold the email account that you want to sync.

   An option list displays.

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3. Touch **sync**.

   **Syncing** is displayed while new content is downloaded.

*Deleting an Email Account*

To delete email accounts other than Windows Live:

1. From the Home screen, touch ⊖ ➔ **Settings** ⚙
   ➔ **system** ➔ **email & accounts.**

2. Touch and hold the email account that you want to delete.

   An option list displays.

3. Touch **delete**.

   A warning screen is displayed.

4. Touch **delete** to delete the account or **cancel** to return to the email & accounts screen.

# Section 8: Changing Your Settings

This section explains the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

The Settings menu is divided into System settings and Applications settings.

1. From the Home screen, tap ⊖ ➔ **Settings** ⚙ .

    The Settings screen displays.

2. Sweep your screen to the left to display **system** settings or **application** settings.

## System Settings

### *ringtones & sounds*

1. From the Home screen, tap ⊖ ➔ **Settings** ⚙
   ➔ **system** ➔ **ringtones & sounds**.

2. From the **Ringer** field, touch and drag the slider to the right to turn the ringer **On**.

3. From the **Vibrate** field, touch and drag the slider to the right to turn the Vibrate feature **On**.

4. Tap the **Ringtone** field, and then choose a ringtone.

5. Tap the **New text message** field, choose an alert type (**none** or **Alert 01**-**10**), and press ⇐ .

6. Tap the **New voicemail** field, choose an alert type (**none** or **Alert 01**-**10**), and press ⇐ .

7. Tap the **New email** field, choose an alert type (**none** or **Alert 01**-**10**), and press ⇐ .

8. Tap one of the checkboxes to play a sound for:

    • **Appointment reminders**: plays a sound when there is a scheduled appointment.

    • **Key press**: plays a sound when you press a key.

    • **Lock and unlock**: plays a sound when you lock or unlock a function.

    • **All other notifications**: plays a sound for all other notifications.

### *theme*

Using the theme setting, you can change the background and accent color for the screen.

1. From the Home screen, tap ⊖ ➔ **Settings** ⚙
   ➔ **system** ➔ **theme**.

2. Tap the **Background** field and select **dark** or **light**.

**Note:** Battery power is consumed at a faster rate when the background is set to **light**.

3. Tap the **Accent color** field and select a color.

### *airplane mode*

Airplane mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

**Important!:** When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

1. From the Home screen, tap ⊖ ➔ **Settings** ⚙
   ➔ **system** ➔ **airplane mode**.

2. Touch and drag the slider to the right to turn the airplane mode **On**.

**Note:** When you turn on airplane mode, cellular data mode is automatically deactivated.

### *Wi-Fi*

1. From the Home screen, tap ⊖ ➔ **Settings** ⚙
   ➔ **system** ➔ **Wi-Fi**.

2. Touch and drag the slider to the right to turn Wi-Fi **On**.

For more information, refer to *"Wi-Fi"* on page 90.

### *Bluetooth*

1. From the Home screen, tap ⊖ ➔ **Settings** ⚙
   ➔ **system** ➔ **Bluetooth**.

2. Touch and drag the slider to the right to turn Bluetooth **On**.

For more information, refer to *"Bluetooth"* on page 91.

### *email & accounts*

1. From the Home screen, tap ⊖ ➔ **Settings** ⚙
   ➔ **system** ➔ **email & accounts**.

### Adding an Email Account

1. From the Home screen, tap 🔄 ➔ **Settings** 🔧
   ➔ **system** ➔ **email & account**.

2. Tap **add an account**.

3. Select an account, read the Terms of use, then sign in.

   The email account is added as an active email account.

   For more information, refer to *"Setting Up an Email Account"* on page 66.

### *lock & wallpaper*

From this menu you can change the wallpaper, set a time-out screen that locks the phone after a specific amount of time, and set up the phone to require a 4-digit password to unlock the phone.

1. From the Home screen, tap 🔄 ➔ **Settings** 🔧
   ➔ **system** ➔ **lock & wallpaper**.

2. Tap **change wallpaper**, and then choose a picture from **Camera Roll** or **Wallpapers**.

3. Tap the **Screen time-out** field and select a screen time-out time. Selections are: **30 seconds**, **1 minute**, **3 minutes**, or **5 minutes**.

4. Touch and drag the **Password** slider to the right to turn the password requirement mode **On**.

5. Tap **New password** field and enter a 4-digit password.

6. Tap the **Confirm password** field and re enter the 4-digit password and tap **done**.

### *location*

The Location settings allow you to activate location so other applications (such as Maps) can access your location information.

1. From the Home screen, tap 🔄 ➔ **Settings** 🔧
   ➔ **system** ➔ **location**.

2. Touch and drag the **Location services** slider to the right to turn the location mode **On**.

### *cellular*

Enabling this feature allows you to use data features even when you are roaming.

---

**Important!:** Roaming charges may apply when using data features. Contact your Service provider for details.

---

1. From the Home screen, tap 🔄 ➔ **Settings** 🔧
   ➔ **system** ➔ **cellular**.

**2.** Touch and drag the **Data connection** slider to the right to turn the Data connection mode **On**.

---

**Note:** Activating the Data connection automatically turns off airplane mode.

---

**3.** Tap the **Data roaming options** field and select **roam** or **don't roam**.

**4.** Tap **add apn** and enter the **APN** (Access Point Name), **User name**, and **Password** information.

**5.** Tap ⊘ to save your changes.

### *date & time*

This menu allows you to decide if you want the date and time automatically set or if you want to enter the date and time manually. You also configure the phone to use a 12-hour or 24-hour format.

To configure the way the date and time display on the device:

**1.** From the Home screen, tap ⊝ ➔ **Settings** ⚙️ ➔ **system** ➔ **date & time**.

**2.** Touch and drag the **Set automatically** slider to the right to turn it **On**.

The date and time automatically displays.

**3.** Touch and drag the **24-hour clock** slider to the right to turn this features **On**.

When turned Off, the 12-hour clock displays.

#### Manually Setting the Time and Date

**1.** Touch and drag the **Set automatically** slider to the left to turn it **Off**.

**2.** Tap the **Time zone** field and select a time zone from the list.

**3.** Touch the **Time** field and flick the hour and minute fields until the desired time displays, tap the time to enter it into the field, then tap **done**.

**4.** Tap the **Date** field and flick the **Month**, **Day**, and **Year** fields until the desired date/year displays, tap the date/year to enter it into the field, then tap **done** ⊘.

### *brightness*

**1.** From the Home screen, tap ⊝ ➔ **Settings** ⚙️ ➔ **system** ➔ **brightness**.

**2.** Touch and drag the **Automatically adjust** slider to the right to turn it **On**.

The phone automatically adjusts brightness on the display.

To manually adjust the brightness level:

1. Touch and drag the **Automatically adjust** slider to the left to turn it **Off**. The Level field activates.

2. Tap the **Level** field and select a level. Selections are: **low**, **medium**, or **high**.

### *keyboard*

From this menu you can configure how the keyboard interacts when messaging (such as capitalizing the first letter of a sentence, correcting misspelled words, suggesting words when misspelled words are detected, and more).

1. From the Home screen, tap ➔ **Settings** ➔ **system** ➔ **keyboard**.

2. Configure the keyboard settings by selecting one or more of the following:

   • Suggest text and highlight misspelled words
   • Correct misspelled words
   • Insert a space after selecting a suggestion
   • Insert a period after double-tapping the SPACEBAR
   • Capitalize the first letter of a sentence
   A check mark indicates selection.

3. Tap the **Keyboard languages** field and tap the desired language.

4. Tap **done** ✅.

5. Tap the **reset text suggestions** field and tap **reset** to remove all the words you have added to your suggestion list.

### *region & language*

This setting allows you to configure the language in which the menus and certain keyboard options are displayed.

**Note:** Some of the settings require you to restart your phone.

1. From the Home screen, tap ➔ **Settings** ➔ **system** ➔ **region & language**.

2. Tap the **Display language** field and select a language.

3. Tap the **Region format** field and select a region.

4. Tap the **Short date (sample)** field and select a date format.

5. Tap the **Long date (sample)** field and select a date format.

6. Tap the **First day of week** field and select a day in which to begin the calendar.

7. Tap the **System locale** field and select a location.

**8.** Tap the **Browser & search language** field and select a language.

### *ease of access*

This menu is used to activate or deactivate TTY/TDD mode for this device.

**1.** From the Home screen, tap ⊜ ➔ **Settings** ⚙
   ➔ **system** ➔ **ease of access**.

**2.** Tap one of the following: **Off** or **Full**.

### *speech*

These settings determine if audio plays as a confirmation, if you can use speech when the phone is locked, and enables speech recognition over the network.

**1.** From the Home screen, tap ⊜ ➔ **Settings** ⚙
   ➔ **system** ➔ **speech**.

**2.** Tap one of the following to configure settings:
   • **Play audio confirmations**
   • **Use Speech when the phone is locked**
   • **Enable speech recognition over the network**

**Note:** This setting is required for web search using voice. When selected, all voice commands are sent to Microsoft to provide and improve the service.

For more information, refer to *"Speech Engine"* on page 27.

### *find my phone*

To use this feature you must set up a Windows Live ID and then sign in at http://windowsphone.live.com. Once you sign in, click on **FIND MY PHONE**.

**Note:** If you have an Xbox LIVE, Zune, Hotmail, or Messenger ID, you have a Windows Live ID.

On the Find My Phone web page, you can:
• **Map it**: allows you to see your phone's approximate location on a map.
• **Ring it**: rings your phone for one minute using a special ringtone even if it is on silent or vibrate mode.
• **Lock it**: locks your phone so that nobody else can use it. You can also put a "please return" note on the screen.
• **Erase it**: removes all the information on your phone and resets it to the factory settings.

On your phone, the following options are available.

**1.** From the Home screen, tap ⊜ ➔ **Settings** ⚙
   ➔ **system** ➔ **find my phone**.

2. Tap one or both of the following settings:

   • **Save my location periodically for better mapping.**
   • **Get results faster (may use more battery).**

### phone update

1. From the Home screen, tap  ➔ **Settings** 
   ➔ **system** ➔ **phone update**.

   Updates are automatically located and installed.

---

**Note:** Your phone continues to regularly check for updates, which you can install when you are connected to the PC.

---

2. Tap **Notify me when new updates are found** if you want to be notified.

3. Tap **Use my cellular data connection to check for updates** if you want the phone to automatically check using your data connection.

---

**Important!:** This setting also causes a check for updates over Wi-Fi networks and when your phone is connected to your computer.

---

### about

This feature displays information about your device such as the Name, Model, Software, Total Storage, and Available Storage.

1. From the Home screen, tap  ➔ **Settings** 
   ➔ **system** ➔ **about**.

2. Tap **more info** to view information such as OS version, Firmware revision number, Hardware revision number, Radio software version, Radio hardware version, Bootloader version, and Chip SOC version.

3. Tap the **Get help** link for additional help using this feature.

4. Tap **Terms of Use** or tap **Privacy Statement** to view those documents.

5. Touch **reset your phone** if you want to reset your phone to the factory default settings.

---

**Caution!:** After resetting your phone, you must not remove the battery until rebooting is complete.

---

**Note:** Once you perform **reset your phone**, all settings and data is initialized.

---

### feedback

When configured, this feature sends feedback to help improve function for this device.

1. From the Home screen, tap ➡ **Settings** ➡ **system** ➡ **feedback**.

2. Touch and drag the slider to activate the **Send feedback** feature.

3. Tap **Use my cellular data connection to send feedback** if this is desired.

   Feedback data is sent at the next opportunity.

4. Tap **Privacy Statement** to view the statement.

## Application Settings

### games

The games setting allows you to connect with Xbox LIVE.

1. From the Home screen, tap ➡ **Settings** ➡ **applications** ➡ **games**.

2. Touch and drag the slider right to activate the **Connect to Xbox LIVE** feature.

3. Tap the **Xbox LIVE Privacy Settings** to view and configure privacy settings.

### Internet Explorer

From this menu you can configure your internet settings to allow cookies on the device, allow Bing to suggest web addresses, and set whether you want the browser to display as a mobile device or as a desktop. You can also delete all browsing history.

Cookies are typically placed on your device when you browse and contain both site information as well as personal information (such as a username and password), which can pose a security risk if not properly managed.

If activated, the Bing search engine automatically suggests web addresses when you perform an internet search.

1. From the Home screen, tap ➡ **Settings** ➡ **applications** ➡ **Internet Explorer**.

2. Tap the **Allow cookies on my phone** check box, if desired.

3. Tap the **Let Bing suggest web sites as I type** check box, if desired.

4. Tap either **Mobile version** or **Desktop version** to set your the **Website preference**.

### Deleting Browser History

1. From the Home screen, tap ⬅ ➔ **Settings** ⚙
   ➔ **applications** ➔ **Internet Explorer**.

2. Tap **delete history** ➔ **delete**.

   All temporary files, browsing history, cookies, and saved
   passwords are deleted from the phone.

3. Tap **Privacy Statement** to view the statement.

### *maps*

This setting allows your phone applications to use your location
to provide better local search results.

1. From the Home screen, tap ⬅ ➔ **Settings** ⚙
   ➔ **applications** ➔ **maps**.

2. Touch and drag the slider right to activate the **Use my
   location** feature.

3. Tap **delete history** ➔ **delete** to delete previous map
   searches, pins, and image data from your phone.

4. Tap **Privacy Statement** to view the statement.

5. Tap **Terms of Service** to view the terms.

### *messaging*

From this menu you can change your SMS center number.

1. From the Home screen, tap ⬅ ➔ **Settings** ⚙
   ➔ **applications** ➔ **messaging**.

2. Tap the **SMS center number** field to change the SMS center
   number. Use the on-screen keypad to remove and update
   the number.

**Important!:** The SMS center number is used to send and receive messages.
Please check with your carrier before changing the number.

### *music + videos*

This menu allows you to connect with your Zune media player
and configure your Account settings.

1. From the Home screen, tap ⬅ ➔ **Settings** ⚙
   ➔ **applications** ➔ **music + videos**.

2. Touch and drag the slider right to turn on the **Connect with
   Zune** feature.

**Note:** The **Connect with Zune** option is available after you access Zune
account settings.

**3.** Tap **Zune Account Settings** to sign in to your Zune account and check your Zune settings.

## *Office*

The Office setting allows you to configure SharePoint and OneNote. Enter a user name to identify yourself in comments and for collaboration and document tracking efforts.

**1.** From the Home screen, tap ⬅ ➔ **Settings** ⚙ ➔ **applications** ➔ **Office**.

**2.** Tap **user name** and enter a user name that identifies you in comments and document tracking efforts, then tap **done**.

### Configuring SharePoint

**Clear the SharePoint cache**

**1.** From the Home screen, tap ⬅ ➔ **Settings** ⚙ ➔ **applications** ➔ **Office**.

**2.** Tap **SharePoint**.

**3.** Tap **data store**.

**4.** Tap **clear cache**.

This clears the SharePoint cache and frees up space on the phone. When you clear the cache, all temporary SharePoint files and history are deleted.

**Manually resolve SharePoint conflicts**

SharePoint lets you choose how to manage conflicts between files on your phone and the server.

**1.** From the Home screen, tap ⬅ ➔ **Settings** ⚙ ➔ **applications** ➔ **Office**.

**2.** Tap **SharePoint**.

**3.** Tap **conflicts**.

**4.** Tap one solution to configure how you want to resolve conflicts, manually or automatically.

**Configure the SharePoint Unified Access Gateway (UAG) server**

**1.** From the Home screen, tap ⬅ ➔ **Settings** ⚙ ➔ **applications** ➔ **Office**.

**2.** Tap **SharePoint**.

**3.** Tap **UAG server**.

**4.** Enter the **UAG server address**.

---

**Note:** This server requires an encrypted (SSL) connection.

---

**5.** Enter your **User name** and **Password**.

**6.** Tap the **Save password** check box.

**7.** Tap **done** to save your settings.

**Open SharePoint links**

**1.** From the Home screen, tap ⬅ ➔ **Settings** ⚙
➔ **applications** ➔ **Office**.

**2.** Tap **SharePoint**.

**3.** Tap **startup option**.

**4.** Tap **Always open SharePoint links** to activate this feature.

**Restore the default settings**

**1.** From the Home screen, tap ⬅ ➔ **Settings** ⚙
➔ **applications** ➔ **Office**.

**2.** Tap **SharePoint**.

**3.** Tap **reset**.

**4.** At the **WARNING!** prompt, tap **yes**.

#### Configuring OneNote

From this menu you configure OneNote to automatically turn on and synchronize notes when you open a page, save a page, or open a section.

**1.** From the Home screen, tap ⬅ ➔ **Settings** ⚙
➔ **applications** ➔ **Office**.

**2.** Tap **OneNote**.

**3.** Touch and drag the slider right to activate **Automatic sync**.

#### Viewing Microsoft Office Information

This option displays version information about Microsoft® Office® Mobile 2010 products.

**1.** From the Home screen, tap ⬅ ➔ **Settings** ⚙
➔ **applications** ➔ **Office**.

**2.** Tap **about** to view version information.

#### *people*

The people menu allows you to configure how your contacts display in the phonebook. This option also allows you to import SIM contacts.

**1.** From the Home screen, tap ⬅ ➔ **Settings** ⚙
➔ **applications** ➔ **people**.

**2.** Under **Sort list by**, determine how you want to sort contacts. Tap **First name** or **Last name**.

**3.** Under **Display names by**, determine how to display names in the contacts list. Tap **First Last** or **Last, First**.

**4.** Tap **import SIM contacts**, if you want to import the contacts from your SIM card.

**Important!:** Imported SIM contacts are synchronized with your online Windows Live contact list.

5. If you have added your Facebook account, tap **Show all my Facebook friends** to include Facebook friends as contacts or **Only add Facebook info to existing contacts** to limit Facebook information to your existing contacts.

**Add an Account**

Use the add an account option to set up email, contacts, Facebook, and configure other email accounts.

1. From the Home screen, tap ➔ **Settings** ⚙ ➔ **applications** ➔ **people** ➔ **add an account**.

2. Tap **Windows Live**, **Outlook**, **Google**, or **Facebook**.
   – or –
   Tap **advanced setup** to add an account not displayed in the list.

3. Tap the **Email address** and **Password** fields and use the on-screen keypad to enter your information.

4. Touch **sign in**.

*phone*

The phone menu allows you to configure phone settings such as your voicemail number, caller ID, Call forwarding, International assist, and SIM security.

1. From the Home screen, tap ➔ **Settings** ⚙ ➔ **applications** ➔ **phone**.

2. Tap **Voicemail number**, use the on-screen keypad to enter a new voicemail number, and tap **save**.

**Important!:** This Voicemail number is configured to dial your carrier's voicemail box. Please check with your carrier before changing the number.

3. Tap the **Show my caller ID to** field and select who may see your caller ID. Selections are: **everyone**, **no one**, or **my contacts**.

4. Touch and drag the **Call forwarding** slider right to activate Call forwarding. Enter a number to **Forward calls to** and tap **save**.

5. Touch and drag the **International assist** slider right to activate International assist.

**Note:** Activating this feature automatically corrects some common mistakes while dialing internationally or dialing while abroad.

6. Touch and drag the **SIM security** slider right to activate SIM security.

7. Enter your SIM PIN.

### *pictures + camera*

This menu allows you to configure how the camera is activated, what information is saved to a photo, and whether photos are automatically uploaded to SkyDrive.

1. From the Home screen, tap ⊙ ➔ **Settings** ⚙
   ➔ **applications** ➔ **pictures + camera**.

2. Touch and drag the slider right to activate one of the following:

   • **Allow the camera button to wake up the phone**
   • **Include location (GPS) info in pictures you take**
   • **Auto upload to SkyDrive**

   Tap the **choose an option** field and select who you want to view the uploaded pictures: **friends**, **me**, **everyone (public)**, or **don't upload** and tap **ok**.

• **Keep location info on uploaded pictures**

   When you activate this feature, pictures you take are automatically uploaded to SkyDrive. This uses your data plan and may incur charges.

3. Tap **Privacy Statement** to view the Statement.

### *radio*

This feature sets the region for radio broadcasts. The default is set to North America.

1. From the Home screen, tap ⊙ ➔ **Settings** ⚙
   ➔ **applications** ➔ **radio**.

2. Tap the **Region** field and select one of the regions: **North America**, **World**, or **Japan**.

### *search*

These settings allow you to perform a better search, get suggestions from Bing, or delete search history.

1. From the Home screen, tap ⊙ ➔ **Settings** ⚙
   ➔ **applications** ➔ **search**.

2. Touch and drag the **Use my location** slider right to activate the feature.

When activated, this feature uses your location to provide better local search results.

3. Tap **Get suggestions from Bing as I type** to deactivate the feature, if desired.

4. Tap **delete history → delete** to delete all previously-typed search terms from your phone.

5. Tap **Privacy Statement** to view the Statement.

## Section 9: Connections

This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

### Internet Explorer

Your phone is equipped with mobile.microsoft.com, your access to the mobile web. This section explains how to navigate and introduces you to the basic features.

#### *Accessing Internet Explorer*

To access the Internet Explorer browser:

▶ At the Home screen, tap **Internet Explorer** 🌐 . The home.att.com homepage displays.

#### *Navigating with the Browser*

1. To select an item, tap an entry or link.

2. To scroll through a website, sweep the screen with your finger in an up or down motion.

3. Sweep the screen left to right to move laterally across a web page.

4. To return to the previous page, press ⬅ .

5. To view your favorites list, tap ⭐ . Sweep your screen to the left to display your web history.

6. To add a favorite website to your favorites list, tap ⊛ .

7. To view, add, or manage webpage tabs, tap ⬚ .

8. To access internet options, tap ••• .

### *Zooming In and Out on the Browser*

Sweep two fingers outwards at the same time to zoom in or sweep two fingers together to zoom out. See the diagram below.



Zoom In        Zoom Out
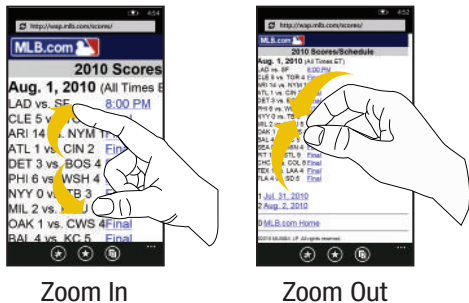
### *Enter a URL*

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keypad and tap ➔ .

   The website displays.

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**Note:** In Landscape mode, the URL field is not available.

### *Search the Internet*

To perform an internet search using keywords, follow these steps:

1. From the homepage, press 🔍 .

   The Bing search screen displays.

2. Tap the Bing search box located at the top of the browser.
3. Use the on-screen keypad to enter one or more search words. Additional words and phrases display as you type, which you can tap to select.
4. To initiate the search, tap ➔ .
5. A list of search results displays under the categories **web**, **local**, and **news**.
6. Touch an entry in the list to view the website.
7. Press ← to return to the search list.

### *Favorites*

While navigating a website, you can make it a Favorite site to quickly and easily access it at a future time. The URLs (website addresses) of the Favorite sites are displayed in the Favorites

page. From the Favorites page you can also view your browsing history.

1. From the Home webpage, tap ⊛.

   The favorites page is displayed.

2. The following options are displayed:
   • **AT&T Mobile Web**: displays AT&T's mobile website.
   • **Popular Sites**: allows you to visit popular websites that are grouped into categories such as friends and fun, news and information, sports, and so on.
   • **Tips for Windows Phone**: displays tips that may help you to use your phone.
   • **List of favorite websites**: these are web sites that you have added as favorites.

3. Tap on an option or a favorite to view the webpage, or touch and hold a Favorite for the following options:
   • **edit**: allows you to edit the name or URL of the Favorite. Tap on a field, and then use the keypad.
   • **delete**: allows you to delete a favorite.

*Adding Favorites*

1. From any webpage, tap **add** ⊛.

2. Use the on-screen keypad to enter the **Name** and the **URL** of the Favorite.

3. Tap **ok**.

*Editing Favorites*

1. From any webpage, tap **favorites** ⊛ and touch and hold the favorite you want to edit.

2. On the drop-down list box, tap **edit**.

3. Use the on-screen keypad to edit the **Name** or the **URL** of the favorite.

4. Tap **ok**.

*Deleting Favorites*

1. From any webpage, tap **favorites** ⊛ and touch and hold the favorite you want to delete.

2. Touch **delete**.

### Browsing History

The History page provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From any webpage, tap **favorites** ⭐.

   The **favorites** page is displayed.

2. Sweep your screen to the left to display the **history** page.

   A list of your most recently visited websites is displayed with Name or URL address.

3. Tap any entry to display the webpage.

4. Tap 🗑 to delete the History list.

### Browser Options

1. From any webpage, press ••• to access the following options:

   • **forward**: forwards the browser to another web page.

   • **share page**: allows you to share the page using your email account or as a message.

   • **find on page**: allows you to search in the current page.

   • **pin to start**: allows you to place a webpage shortcut on your Home screen for easy access.

   • **settings**: allows you to configure the Internet Explorer Settings on your phone. For more information, refer to *"Internet Explorer Settings"* on page 89.

### Internet Explorer Settings

From this menu you can configure your internet settings to allow cookies on the device, allow Bing to suggest web addresses, and set whether you want the browser to display as a mobile device or as a desktop. You can also delete all browsing history.

Cookies are typically placed on your device when you browse and contain both site information as well as personal information (such as a username and password), which can pose a security risk if not properly managed.

If activated, the Bing search engine automatically suggests web addresses when you perform an internet search.

1. From the Home screen, tap ➡ ➔ **Settings** ⚙
   ➔ **applications** ➔ **Internet Explorer**.

2. Tap the **Allow cookies on my phone** check box, if desired.

3. Tap the **Let Bing suggest sites as I type** check box, if desired.

4. Tap either **Mobile version** or **Desktop version** to set your the **Website preference**.

### *Deleting Browser History and Cookies*

To delete your browser history, follow these steps:

1. From the Home screen, tap ⬅ ➔ **Settings** ⚙
   ➔ **applications** ➔ **Internet Explorer**.

2. Tap **delete history** ➔ **delete**.

   All temporary files, browsing history, cookies, and saved passwords are deleted from the phone.

3. Tap **Privacy Statement** to view the statement.

## Wi-Fi

### *About Wi-Fi*

Wi-Fi (short for *wireless fidelity*) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

### *Turning Wi-Fi On*

By default, your device's Wi-Fi feature is turned on. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap ⬅ ➔ **Settings** ⚙
   ➔ **system** ➔ **Wi-Fi**.

2. Touch and drag the slider to the right to activate Wi-Fi.

3. If you want to be notified by alert, tap the **Notify me when new networks are found** field to make a checkmark.

4. The device scans for available, in-range wireless networks and displays them under Wi-Fi networks on the same screen.

5. Press 🏁 to return to the Home screen.

### *Connect To a Wi-Fi Network*

1. From the Home screen, tap ⬅ ➔ **Settings** ⚙
   ➔ **system** ➔ **Wi-Fi**.

2. Make sure Wi-Fi has been turned on.

   The network names and security settings (open or secure) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.

3. Touch the network to which you want to connect.

**Note:** When you select an open network, you are automatically connected to the network.

**4.** Enter a wireless password if necessary. If the connection is successful, **connected** appears under the Wi-Fi network name.

### *Turning Wi-Fi Off*

1. From the Home screen, tap  ➔ **Settings**  ➔ **system** ➔ **Wi-Fi**.

2. Touch and drag the slider to the left to deactivate Wi-Fi.

**Note:** Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

### *Wi-Fi Status Indicators*

The following icons show your Wi-Fi connection status at a glance:

 Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

 Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP) or it is not connected to a WAP.

## Bluetooth

### *About Bluetooth*

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

### *Turning Bluetooth On and Off*

To turn Bluetooth on:

1. From the Home screen, tap  ➔ **Settings**  ➔ **system** ➔ **Bluetooth**.

2. Touch and drag the slider to the right to turn Bluetooth **On**. When you turn Bluetooth on, your device is discoverable and it immediately scans for Bluetooth devices.

3. Touch and drag the slider to the left to turn Bluetooth **Off**.

4. Press  to return to the Home screen.

### *Bluetooth Status Indicator*

The  icon displays at the top of your screen when Bluetooth is active and your phone is connected with a Bluetooth device.

*Connecting Bluetooth Devices*

The Bluetooth connecting process allows you to establish trusted connections between your device and another Bluetooth device. When you connect devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To connect your device with another Bluetooth device:

1. From the Home screen, tap ➔ **Settings**
   ➔ **system** ➔ **Bluetooth**.

2. Touch and drag the slider to the right to turn Bluetooth **On**. When you turn Bluetooth on, your device is discoverable and it immediately scans for Bluetooth devices.

   Your device displays a list of discovered, in-range Bluetooth devices.

3. Tap a device from the list to initiate connecting.

4. Enter the passkey or PIN code, if needed, and tap **done**.

5. The external device then has to also accept the connection and enter your device's PIN code.

Once successfully connected to an external device, appears at the top of your screen and **connected** appears under the device name.

**Note:** Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different.

**Note:** Connecting between two Bluetooth devices is a one-time process. Once a connection has been created, the devices continue to recognize their partnership and exchange information without having to re-enter a passcode.

*Disconnecting Bluetooth Devices*

Disconnecting a connected device breaks the connection between the device and your phone, but retains the knowledge of the connection. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.

2. From the Bluetooth settings page, tap the previously connected device. The status changes to not connected.

3. Tap the device name again to reconnect.

4. To delete the device name from your list of Bluetooth devices, touch and hold the device name until **delete** is displayed. Tap **delete** to remove the device from your list.

---

**Note:** Disconnections are manually done but often occur automatically if the connected device goes out of range of your phone or it is powered off.

---

## PC Connections

You can connect your phone to a PC using an optional PC data cable using various USB connection modes. When you connect the device to a PC, you can use Zune Software to synchronize files on your phone and your PC.

Zune allows you to download music, pictures, videos, and podcasts from your PC to your phone. For more information, refer to *"Using Zune To Stay In Sync"* on page 46.

# Section 10: Applications

This section contains a description of each application that is available in the Applications Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

**Tip:** To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"Customizing Your Home Screen"* on page 24.

## GPS Applications

GPS applications allow you to achieve real-time, GPS-enabled, turn-by-turn navigation and to access local searches based on a variety of category parameters.

To receive better GPS signals, avoid using your device in the following conditions:

• inside a building or between buildings
• in a tunnel or underground passage
• in poor weather
• around high-voltage or electromagnetic fields
• in a vehicle with tinted windows

Global GPS turn-by-turn navigation, mapping, and Point of Interest content is available for three continents, including North America (U.S., Canada, and Mexico), Western Europe, and China, where wireless coverage is available from AT&T or its roaming providers.

**Important!:** If you touch or cover the internal GPS antenna while using GPS services, it may impede the GPS signal resulting in the GPS services not working in an optimal manner. Refer to the following diagram to locate the approximate location of the internal GPS antenna.

Location of Internal GPS Antenna

(Back view of phone)
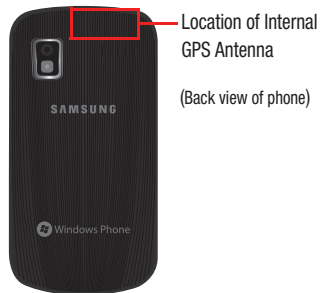
## Alarms

The Alarms application allows you to access and set alarms.

### Setting a New Alarm

1. From the Home screen, tap ➔ **Alarms** ➔ **add** .

2. Tap the **Time** field then use your finger to sweep the hour and minute fields to set the time you want for the alarm. Tap **done** .

3. Tap the **Repeats** field if you want the alarm to sound on multiple days instead of **only once**. Tap the days that you want the alarm to sound, then tap **done** .

4. Tap the **Sound** field and tap on the sound title you want. You can hear a sample by tapping on the symbol next to the sound name.

5. Tap the **Name** field and use the keypad to enter a name for this alarm.

6. Tap **save** to save the alarm.

### Turning Off an Alarm

To turn off an alarm when it sounds:

▶ Tap **dismiss** on your display to stop the alarm.

– or –

Tap **snooze** to temporarily stop the alarm.

### Changing an Alarm

To make changes to an existing alarm:

1. From the Home screen, tap ➔ **Alarms**.

2. Tap the alarm you want to change.

3. Tap and change fields as described in see *"Setting a New Alarm"* on page 95.

4. Tap **save** to save the updated alarm.

### Deleting an Alarm

To delete an alarm:

1. From the Home screen, tap ➔ **Alarms**.

2. Tap the alarm you want to delete.

3. Tap **delete** to delete the alarm.

## AT&T FamilyMap

AT&T FamilyMap allows you to conveniently locate a family member from your wireless phone or PC and know that your family's location information is secure and private.

1. From the Home screen, tap ⊜ ➔ **AT&T FamilyMap** ✳.

2. At the AT&T FamilyMap Sign In page, enter your Phone Number and Password in the appropriate fields and touch **Sign In**.

**Note:** To sign up for service, visit http://www.att.com/familymap for more information.

3. Follow the on-screen instructions.

## AT&T myWireless Mobile

AT&T myWireless Mobile enables you to view usage for minutes, data, and messaging from your phone. With this application you can also access support through FAQs (frequently asked questions).

**Note:** In order to access myWireless Mobile, you first need to register your phone with My ATT. Visit http://www.att.com for more information.

To access myWireless Mobile, follow these steps:

1. At the Home screen, tap ⊜ ➔ **AT&T myWireless** ⬟.

   The AT&T myWireless Mobile screen displays.

2. Tap **next** ⊘ to continue.

   The End User License Agreement displays.

3. Read the agreement and tap **accept** ⊘ to continue.

4. Tap **sign in** on the summary screen.

5. Enter your **User ID or wireless number** and your **Password**. Tap the **Automatically sign me in** field if you want to be signed in automatically next time.

6. Tap **sign in** ⊘. A summary of your account information displays on the Summary screen.

7. Sweep your screen to the left to display the support screen. The following options display:

   • **device tutorials**: view device tutorials and ask questions about your phone.

   • **device support**: access support information about your phone.

   • **bill and payments**: get answers about billing and payments.

- **voice and data usage**: get answers about calls made, calls received, messaging, rollover minutes, and other data usage questions.
- **account support**: get how-to information for managing your phone account.
- **rate plan support**: get information and ask questions about your rate plan.
- **AT&T wi-fi locator**: displays the AT&T Hotspot Locator. Enter a Venue, a Service Type, and City, State or Zip code and tap Search.

8. Tap an option to display online, interactive information, and follow the on-screen instructions.

## AT&T Navigator

AT&T Navigator provides you with access to real-time GPS-driven applications. These programs allow you to achieve turn-by-turn navigation and access local searches.

**Important!:** You must have a data plan to use this feature.

### *Launching AT&T Navigator*

1. From the Home screen, tap **AT&T Navigator** 

2. Read the warning and touch **allow** to use your location. Otherwise, touch **exit**.

3. Read the Terms of Service and touch **accept** to acknowledge the terms of use.

4. The AT&T Navigator main screen displays.

### *Using Navigator*

Although your phone does not come with left and right softkeys, these are available as on-screen buttons so you can activate their corresponding features.

1. Select an option and follow the on-screen instructions to activate a Navigator feature.
    - **drive to**: lets you get driving directions from wherever you are to wherever you are going. Choices include:
      - **my favorites**: displays your favorite (marked) GPS navigation sites.
      - **recent places**: displays your recently entered locations.
      - **address**: allows you to locate a specific address by entering it manually (by using the keypad) or by speaking into the phone (tap  ).
      - **business**: allows you to locate a business by entering a business name or category manually (by using the keypad) or by speaking into the phone (tap  ), or choose from a category list.
      - **airport**: allows you to use either local airports based on a current GPS location or manually enter the three-letter airport code or name (by using the keypad) or by speaking into the phone (tap  ).
      - **intersection**: used to locate a specific address by using two separate street addresses to identify an intersection. These can be entered either

manually (by using the keypad) or by speaking into the phone (tap ).

– **city**: allows you to enter a city and state for navigation manually (by using the keypad) or by speaking into the phone (tap ).

• **search**: allows you to search for a business name or category by entering it manually (by using the keypad) or by speaking into the phone (tap ). This function lets you search for locations from options such as: food/coffee, gas stations, gas by price, banks/atms, wifi spots, parking lots, hotels & motels, movie theaters, car rentals, and more.

• **maps & traffic**: provides access to maps for both your current location and for several categories of locations such as airports, businesses, and cities. The following options are also available:

– **find me**: indicates your location on the map with a red dot.

– **show traffic/hide traffic**: causes AT&T Navigator to automatically searches for traffic along your route while you are driving.

– **search**: allows you to find a business or category. Once you choose a location, the Search details screen displays the name, address, phone number, and the distance from your location. These options are also displayed on the screen: **drive to**, which directs you to the location, **map it**, which displays a map of the requested location, and **save**, which allows you to add the location to your favorites.

– **new map**: allows you to choose a new location, then a map displays with the new location marked by a red pin.

• **tools & extras**: allows you to check **weather** information based on a location, edit or delete **my stuff** (my favorites and recent places),

view and change AT&T Navigator **preferences**, and view information **about** AT&T Navigator.

2. Press  to exit AT&T Navigator.

**Note:** These services require the purchase of a subscription.

*Obtaining Driving Directions*

Your phone's built-in GPS hardware allows you to get real-time driving directions to selected locations or establishments based on your current location.

**Using a Physical Address**

1. From the Home screen, tap **AT&T Navigator**  ➔ **drive to** ➔ **address**.

2. Touch each field to manually enter the address (by using the keypad) or by speaking into the phone (tap ).

3. Once you have entered the address, city, state, or zip, touch **submit**  to begin the search process and receive driving directions from the GPS network.

4. Follow both the on-screen and audio directions.

## AT&T Radio

AT&T Radio combines unlimited personal radio stations with over 75 commercial free genre stations, more than 400 local stations, news, talk, sports, and more! For more information, refer to *"AT&T Radio"* on page 51.

## AT&T U-verse Mobile

With AT&T U-verse Mobile, you can watch content from your U-verse DVR home setup on your phone. You can also browse television schedules and set recordings for your home DVR. These videos can then be streamed to either your phone or a connected laptop.

To access AT&T U-verse Mobile:

1. From the Home screen, tap **AT&T U-verse Mobile** 📺.

   The Initializing screen displays followed by the U-verse Mobile screen.

2. Sweep across the screen to the left to view the following:

   • **featured**: displays thumbnails of featured shows. Touch a thumbnail to see more information about the show.

   • **all shows**: displays thumbnails of all available shows. Touch a thumbnail to see more information about the show.

   • **library**: allows you to display **all shows**, **by channel**, or **featured**.

   • **account**: lets you **sign in** to U-verse Mobile.

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### *U-verse Mobile Sign In*

To download or watch a TV program, you have to sign in to U-verse Mobile.

1. From the Home screen, tap **AT&T U-verse Mobile** 📺 ➔ **account** ➔ **sign in**.

   A screen displays and asks **Do you have AT&T U-verse TV at home?**

2. Touch **What is AT&T U-verse TV?** for more information.

3. Touch **no**, if you are not a U-verse TV subscriber.

   The **sign up** screen displays. Follow the on-screen instructions, touch each field, and use the on-screen keypad to enter the required information.

   – or –

   Touch **yes**, if you are a U-verse TV subscriber.

   The **sign in** screen displays. Follow the on-screen instructions, touch each field, and use the on-screen keypad to enter the required information.

4. Touch **Tell me more about U-verse Mobile** to view a website that displays U-verse pricing and subscription information.

**5.** Touch **submit** ✅ to continue or **cancel** ❌ to stop.

**6.** Touch ← to exit the sign in process.

### *Viewing Show Information*

To view show information:

**1.** From the Home screen, tap **AT&T U-verse Mobile** ▶
➔ **featured** or **all shows**.

**2.** Touch a show thumbnail.

The **summary** screen is displayed.

**3.** Sweep across the screen to the right or left to view more information.

The choices are:

- **summary**: displays general information about the show such as the year it was made, the run time, and a short description of the show.
- **cast & crew**: displays the names of actors, directors, and so on.
- **more like this**: displays other similar shows. Touch an entry to view information about that show.

**4.** The following controls are available:

⬇ **download**: download the show.

▶ **play**: play the show on your phone. You have to sign in to download a show.

🏠 **home**: go to the U-verse Mobile main menu.

### *Viewing the Library*

To view shows by various categories:

**1.** From the Home screen, tap **AT&T U-verse Mobile** ▶
➔ **library**.

**2.** Touch a category: **all shows**, **by channel**, or **featured**.

For **all shows** and **featured**, a list of shows displays. Touch an entry to view information about that show.

For **by channel**, a list of channels displays. Touch an entry to view a list of shows available on that channel.

**3.** The following controls are available:

🔍 **search**: use the on-screen keypad to enter a search term. Sweep the screen to search **all**, **titles**, or **cast & crew**.

🏠 **home**: go to the U-verse Mobile main menu.

You can also search all shows from the **library** screen.

1.  Touch **search U-verse Mobile**.

2.  Use the on-screen keypad to enter a search term.

3.  Touch $\boxed{\rightarrow}$.

    A list of shows containing the search term displays.

## Calculator

The Calculator application provides basic arithmetic functions: addition, subtraction, multiplication, and division. You can also store numbers in memory.

1.  From the Home screen, tap $\bigodot$ ➔ **Calculator** $\boxed{\blacksquare}$.

2.  Enter the first number using the numeric keys.

3.  Enter the operation for your calculation by touching the corresponding on-screen arithmetic function key.

4.  Enter the second number.

5.  To view the result, touch equals (**=**).

In Portrait Mode, the Calculator application provides basic functions. To perform more complicated calculations:

▶  Rotate the phone to Landscape Mode.

    A scientific calculator is displayed.

## Calendar

With the Calendar feature, you can consult the calendar by day or month. You can also create appointments and have them displayed on your agenda.

To access the Calendar:

1.  From the Home screen, tap $\bigodot$ ➔ **Calendar** $\boxed{\blacksquare}$.

    The agenda screen displays with all of your appointments listed.

2.  Sweep your screen to the left to display the day view.

3.  Tap one of the following options:

    **today**: Displays the current month and day.

    **new**: Tap the new icon to create a new appointment for your calendar.

    **month**: Tap the month icon to display the month view.

    **calendar options**: Tap the options icon and then tap **calendars** to access the calendar options.

### *Appointments*

The Agenda screen displays all events that you have added for all dates in the order that they appear.

**Create a New Appointment**

To create a new appointment:

1. From the Home screen, tap ⊖ ➔ **Calendar** 🗓.

   The agenda screen displays with all of your appointments listed.

2. Tap ⊕ to create a new appointment.

3. Enter the desired information and tap **save** 🔲 to save.

**Edit an Appointment**

To edit an appointment:

1. From the **agenda** screen, tap any appointment to display the Appointment details screen.

2. Tap **edit** ⃠.

   The Edit Appointment screen displays.

3. Touch the field you want to change: Subject, Location, When (date, time) How long, Reminder, Occurs, Status, Attendees (add someone), Private, and Notes.

4. Touch **save** 🔲 when you are finished.

**Delete an Appointment**

To delete an appointment:

1. From the **agenda** screen, tap any appointment to display the Appointment details screen.

2. Tap **delete** 🗑 to delete an appointment.

3. At the **Delete appointment?** prompt, tap **delete**.

## Camera

Use your 5.0 megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos.

For more information, refer to *"Camera"* on page 55.

## Games

You can shop for new games, install games you buy on your phone, and play them with the Games feature.

### *Accessing Games*

To access the Games feature:

1. From the Home screen, tap **Games** .

   – or –

   From the Home screen, tap  ➔ **Games** .

   The games screen displays.

2. Sweep across the screen to the right or left to view the following:

   • **collection**: allows you to get more games. Any games you have acquired and installed are also listed.

   • **spotlight**: displays links to Xbox LIVE websites once you have joined Xbox LIVE.

   • **Xbox LIVE**: allows you to Join Xbox LIVE to play with friends or displays your Xbox LIVE player ID.

   • **requests**: once you have joined Xbox, this screen displays any game invitations or turn notifications. It also allows you to play a game and invite others to play it with you.

### *Getting More Games*

To buy more games and install them on your phone:

1. From the Home screen, tap **Games**  ➔ **collection** ➔ **Get more games**.

   The **xbox live** category displays.

2. Sweep across the screen to the right or left to view more game categories.

   The choices are: **xbox live**, **top**, **new**, **free**, and **categories**, which have to be downloaded from your PC.

   An icon, the name, a description, and the price displays for each game.

3. Touch the game information.

   An expanded game information screen displays that contains an expanded description, screenshots, and reviews.

**4.** Touch **try** for a free trial, **buy** to purchase the game, **install,** if the game is free, or **share** to send someone a message or email containing a link to the game.

The Confirm purchase screen displays. The purchase is charged to your mobile phone account or you can touch **Change payment method**.

**5.** Touch **buy** or **install** to continue or **cancel** to stop.

**6.** Press ← to exit.

The new game is added to your collection screen.

*Joining and Accessing Xbox LIVE*

To access Xbox LIVE, you need a set up a free Xbox account and get a player ID.

**1.** From the Home screen, tap **Games** [LIVE] ➔ **Xbox LIVE**.

**2.** Touch **Join Xbox LIVE to play with friends**.

The Windows Live ID required screen displays.

**3.** Touch **sign in**.

The Sign In With a Windows Live ID screen displays.

**4.** Touch **sign in**, if you have a Windows Live ID, and enter your Windows Live ID and Password. Touch **sign in.**

– or –

Touch **create one** and follow the instructions to create an ID and password.

After joining Xbox LIVE, your player ID displays on the Xbox LIVE screen.

To set your name:

▶ Touch your player ID and follow the on-screen instructions.

To personalize your avatar:

▶ Touch **Personalize your avatar** and follow the on-screen instructions.

After joining Xbox LIVE, the requests screen displays with game information such as game invitations and turn notifications. It also allows you to play a game and invite others to play it with you.

To check invitations or play a game:

▶ Touch the desired activity on the requests screen.

## Internet Explorer

Open Internet Explorer to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet Explorer"* on page 86.

## Maps

Depending on your location, you can use Maps to view basic, custom, and satellite maps. The Maps application also allows you to obtain, with your wireless device, navigation instructions to destinations throughout most of the United States and certain international destinations. Once you find a destination, you can view nearby businesses and places of interest, including locations, contact information, and driving directions.

**Important!:** Before using Maps, you must have an active data (3G) connection. The Maps application does not cover every country or city.

### *Enabling Use My Location*

Before you use Maps to find your location, you must enable **Use my location**. To enable the location source:

▶  From the Home screen, tap **⊜** ➔ **Maps** .

   If the Allow Maps to access and use your location? screen displays, tap **allow**.

A map displays with your location in the center.

   – or –

1. From the Home screen, tap **⊜** ➔ **Maps**
   ➔ **Options** **···** ➔ **settings**.

   – or –

   From the Home screen, tap **⊜** ➔ **Settings**
   ➔ **applications** ➔ **maps**.

   The maps settings screen displays.

2. Use your finger to slide the **Use my location** slider to the right.

   **On** displays.

3. Press **←** to exit.

### *Delete History*

You can also delete any previous map searches, pins, and image data from your phone from the maps settings screen:

1. From the maps Setting screen, touch the **delete history** field.

2. Touch **delete**.

## *Map Options*

At the bottom of the screen the following controls are available:

⊙ **directions**: use the keypad to enter an end location then touch → to display the directions.

⊙ **me**: your location displays on the map indicated by a yellow dot.

⊙ **search**: allows you to search for a place of interest.

••• **clear map**: after viewing or following directions, this option resets the map.

**aerial view on**: allows you to see your map as a satellite image.

**show traffic**: displays real-time traffic conditions so you can plan the fastest route. **hide traffic** turns this option off.

**results list**: displays after a search has been performed. If more than one result is listed, reference numbers display, which are also displayed on the map.

**route details**: displays the details of the last **directions** request.

**settings**: displays map settings.

## *Nearby Places of Interest*

After you ask for directions or search for a location:

1. Touch My location (start) or the destination location (end) on the directions list, or the search location on a search results map.

   The **about** screen displays.

2. Touch **pin** ⊙ to pin a shortcut to the location to the home page.

3. Touch **share** ⊙ to send the location information in a message or an email.

4. Sweep across the screen to display the **nearby** screen, which lists nearby shops, theaters, museums, and other places of interest near the location.

## Marketplace

Marketplace provides access to downloadable applications, music, and games to install on your phone. Marketplace also allows you to provide feedback and comments about an application or flag an application that might be incompatible with your phone.

### *Setting Up a Microsoft Account*

Before using Marketplace you must set up a Microsoft account. For more information, refer to *"Using the Start-up Wizard"* on page 8.

### *Downloading Applications, Games, and Music*

The type of content determines where it appears on your phone. Music, videos, and podcasts appear in **Music + Videos**, games appear in **Games**, and applications appear in the **Applications** list.

To access Microsoft's Marketplace and download applications, games, and music:

1. From the Home screen, tap **Marketplace** 🔲.

   The main Marketplace screen displays.

2. Touch **apps**, **games**, or **music**.

   – or –

   Sweep across the screen to the right or left to view **featured** applications, games, and music. Touch an item to display more information.

### Applications

To shop for applications:

1. From the Home screen, tap **Marketplace** 🔲 ➔ **apps**.

   The main applications screen displays.

2. Touch **all**, **games**, **entertainment**, **music & video**, **photo**, **lifestyle**, **news & weather**, **sports**, **health & fitness**, **finance**, **travel**, **navigation**, **social**, **productivity**, **tools**, **business**, or **books & reference**.

   – or –

   Sweep across the screen to the right or left to view **top**, **new**, or **featured** applications. Touch an item to display more information.

   If you touch a category like **all** or **tools**, the applications available are displayed on several screens: **top**, **new**, **free**, and **categories**.

3. Sweep across the screen to the right or left to view **top**, **new**, **free**, or **categories** applications. Touch an item to display more information.

   An expanded application information screen displays that contains an expanded description, screenshots, and reviews.

4. Touch **buy**, or **install,** if the application is free, or **share** to send someone a message or email containing a link to the game.

   The Confirm purchase screen displays. The purchase is charged to your mobile phone account or you can touch **Change payment method**.

5. Touch **buy** or **install** to continue or **cancel** to stop.

6. Press ← to exit.

### Games

To shop for games:

▶ From the Home screen, tap **Marketplace** 🔲 ➔ **games**.

   The Games screen displays. For more information, refer to *"Games"* on page 102.

### Music

To shop for music, videos, and podcasts:

1. From the Home screen, tap **Marketplace** 🔲 ➔ **music**.

   The Zune marketplace screen displays the artist of the week.

2. Sweep across the screen to the right or left to view **featured**, **new releases**, **top albums**, or **genres**. Touch an item to display more information.

3. Touch **genres** ➔ **all**, **rock**, **hip hop**, and so on.

4. Sweep across the screen to the right or left to view **new releases**, **top songs**, **top albums**, **top playlists**, or **top artists**. Touch an item to display more information.

   A screen displays that contains information about artists, albums, and songs.

5. Touch an album or a song.

   The Confirm purchase screen displays. The purchase is charged to your mobile phone account or you can touch **Change payment method**.

**6.** Touch **buy** to continue or **cancel** to stop.

**7.** Press ← to exit.

Touch ⦿ on album cover thumbnails to play a sample song.

## Messaging

The Messaging feature allows you to send text messages and multimedia messages to other phones and email addresses. For more information, refer to *"Creating and Sending Text Messages"* on page 61.

## Music + Videos

AT&T Music provides you access to Streaming Music, Music Videos, Music communities, Music applications, and allows you to both identify and purchase music directly from your handset. For more information, refer to *"Music and Videos"* on page 46.

## Now

The Now application allows you to view weather, news, and favorite stocks at a glance.

To access Now:

▶ From the Home screen, tap ⦿ → **Now** 📊.

The weather screen displays.

To select cities for weather reporting:

**1.** Tap 🔧 to edit the weather settings.

**2.** Tap **Add a city** ⊕.

**3.** Scroll through the list of cities and select one.

– or –

**Type a city name** using the keypad, tap 🔍, and then tap the correct city.

**4.** Tap **Add a city** again, if you want to enter another city.

**5.** In the **Unit** field, choose your temperature display preference by tapping on **ºC** (Centigrade) or **ºF** (Fahrenheit).

**6.** Press ←.

**7.** To refresh the weather, tap 🔄.

**8.** Tap the weather screen for more information and sweep across the screen for a 6-day weather forecast.

**9.** Tap **hourly weather** for an hourly forecast and **geo map** for a radar-type view of the area.

To access the news screen:

1. Sweep across the screen to the left.

   The news screen displays.

2. Tap 🔄 to refresh the news.

3. Tap ⚙ to edit the news category.

4. Press ←.

To access the stocks screen:

1. Sweep across the screen to the left.

   The stocks screen displays.

2. Tap ⚙ to edit the stocks settings.

3. Tap ⊕ **Add a stock**.

4. **Type a company name or stock symbol** using the keypad, tap 🔍, and then tap the correct stock to add it to your stocks.

5. Sweep across the screen to the left to **Add an index**.

6. Press ←.

7. To refresh your stock listings, tap 🔄.

## Office

With Office, you can view, edit, and create Excel spreadsheets and Word documents, view and edit PowerPoint presentations, create notes, or search for and share document files with others.

To access Office, follow these steps:

1. From the Home screen, tap ⊙ → **Office** 🏢.

   The following Microsoft Office applications are available:

   • **OneNote**: capture notes, ideas, pictures, and voice memos on the go and share notes with others.

   • **Excel**: view, edit, and create Microsoft Excel spreadsheets on your phone.

   • **Word**: view, edit, and create Microsoft Word documents on your phone.

   • **PowerPoint**: view and edit Microsoft PowerPoint presentations on your phone.

   • **SharePoint**: Access Microsoft SharePoint documents and lists from your phone. Download documents, make updates on your phone, and save them back to SharePoint.

2. Sweep your screen to the left to display the different applications.

3. Follow the on-screen instructions to use the Microsoft Office applications.

## People

You can manage your daily contacts by storing their name, number, email, and other information in your phone using the People feature.

For more information, refer to *"Your People Hub"* on page 40.

## Phone

The Phone application allows you to make or answer a call. It also includes the features and functionality associated with making or answering a call. For more information, refer to *"Call Functions"* on page 28.

## Pictures

The Pictures application is where you view photos and play back videos. For photos, you can also set photos as wallpaper and share as a picture message. For more information, refer to *"Pictures"* on page 53.

## Settings

This application navigates to the system and applications settings for your phone. It includes such settings as: sound, Wi-Fi, Bluetooth, accounts, display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 72.

## Section 11: Health and Safety Information

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

### Health and Safety Information

#### *Exposure to Radio Frequency (RF) Signals*

##### Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government.

These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of

absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted 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 operating 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 new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this phone has been tested and meets 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.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

**GSM 850**

• Head: 0.51 W/Kg.

• Body-worn: 0.946 W/Kg.

**GSM 1900**

• Head: 0.29 W/Kg.

• Body-worn: 0.421 W/Kg.

**WDCMA 850**

• Head: 0.327 W/Kg.

• Body-worn: 0.359 W/Kg.

**WCDMA 1900**

• Head: 0.965 W/Kg.

• Body-worn: 0.625 W/Kg.

**WLAN**

• Head: 0.241 W/Kg.

• Body-worn: 0.111 W/Kg.

SAR information on this and other model phones can be viewed online at http://www.fcc.gov/oet/ea. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

### Please Note the Following Information When Using Your Handset

1. **WARNING REGARDING DISPLAY**

    The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

2. **WARRANTY DISCLAIMER: PROPER USE OF A TOUCH SCREEN HANDSET**

If your handset has a touchscreen display, please note that a touchscreen responds best to a light touch from the pad of your finger. Using excessive force when pressing on the touchscreen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 133.

## Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile phones and genuine Samsung accessories.

Go to: http://mobile.samsungusa.com/recycling/index.jsp or 1-800-822-8837 for more information.

## UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

## Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

### *What kinds of phones are the subject of this update?*

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

### *Do wireless phones pose a health hazard?*

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

### *What is FDA's role concerning the safety of wireless phones?*

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

• Support needed research into possible biological effects of RF of the type emitted by wireless phones;
• Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
• Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

• National Institute for Occupational Safety and Health
• Environmental Protection Agency
• Federal Communications Commission
• Occupational Safety and Health Administration
• National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

### *What are the results of the research done already?*

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals.

However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers.

None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures.

However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

### *What research is needed to decide whether RF exposure from wireless phones poses a health risk?*

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years.

However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

### *What is FDA doing to find out more about the possible health effects of wireless phone RF?*

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF). FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996.

An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional

research needs in the context of the latest research developments around the world.

### *What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?*

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF).

Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

• If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

### *What about children using wireless phones?*

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000.

They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

### *Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?*

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems

reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

### *Do wireless phone accessories that claim to shield the head from RF radiation work?*

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims.

According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

### *What about wireless phone interference with medical equipment?*

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (Updated 1/1/2010):

• FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/
• Environmental Protection Agency (EPA):
  http://www.epa.gov/radiation/
• Occupational Safety and Health Administration's (OSHA):
  http://www.osha.gov/SLTC/radiofrequencyradiation/index.html
• National Institute for Occupational Safety and Health (NIOSH):
  http://www.cdc.gov/niosh/
• World Health Organization (WHO):
  http://www.who.int/peh-emf/
• International Commission on Non-Ionizing Radiation Protection:
  http://www.icnirp.de
• Health Protection Agency:
  http://www.hpa.org.uk/radiation
• US Food and Drug Administration:
  http://www.fda.gov/Radiation-EmittingProducts/

RadiationEmittingProductsandProcedures/
HomeBusinessandEntertainment/CellPhones/default.htm

### Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold. Always comply with road safety regulations on using a mobile phone while driving. Using a mobile phone while driving can be dangerous.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.

2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.

3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.

4. Let the person you are speaking with know you are driving. Suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call, dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.

9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.

10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

**"The wireless industry reminds you to use your phone safely when driving."**

For more information, please call 1-888-901-SAFE, or visit our web-site www.ctia.org.

**Important!:** If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

Provided by the Cellular Telecommunications & Internet Association.

## Responsible Listening

**Caution!:** Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing.

Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

You should follow some commonsense recommendations when using any portable audio device:
• Always turn the volume down before plugging the earphones into an audio source.
• Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
• When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
• Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
• Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.

- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

**American Academy of Audiology**

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: http://www.audiology.org

**National Institute on Deafness and Other Communication Disorders**

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet: http://www.nidcd.nih.gov/

**National Institute for Occupational Safety and Health (NIOSH)**

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

## Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

## Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

### *Implantable Medical Devices*

A minimum separation of six (6) inches should be maintained between a handheld wireless phone and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

• Should ALWAYS keep the phone more than six (6) inches from their implantable medical device when the phone is turned ON;
• Should not carry the phone in a breast pocket;
• Should use the ear opposite the implantable medical device to minimize the potential for interference;
• Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place;
• Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless phone with such a device, consult your health care provider.

For more information see:

http://www.fcc.gov/oet/rfsafety/rf-faqs.html

## FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

**M-Ratings**: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

**T-Ratings**: Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together.

A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



M3   +   M2   =   5      T3   +   T2   =   5
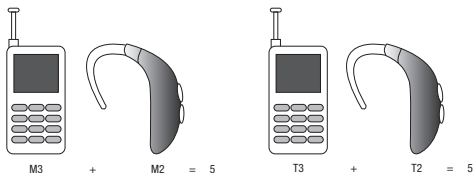
In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with "normal usage" while

using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

### *HAC/Wi-Fi Language*

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider about its return and exchange policies and for information on hearing aid compatibility.

### *Other Medical Devices*

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

### *Vehicles*

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

### *Posted Facilities*

Switch your phone off in any facility where posted notices require you to do so.

## Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and 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 to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

## Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions areas or circumstances. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel.

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone

networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.

2. From the Home screen, touch 📞 ➔ ⊕. The dialer is displayed.

3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.

4. Tap **call**.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

### *Restricting Children's access to your Phone*

Your phone is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

## FCC Notice and Cautions

### *FCC Notice*

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association:

**NFPA (National Fire Protection Agency)**

1 Batterymarch Park

Quincy, Massachusetts

USA  02169-7471

Internet: http://www.nfpa.org

### *Cautions*

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

## Other Important Safety Information

• Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

• Ensure that any mobile phones or related equipment installed in your vehicle are securely mounted.

• Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.

• Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

• For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment near or in the area over the air bag or

in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

• Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.

• Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

## Product Performance

### *Getting the Most Out of Your Signal Reception*

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

### *Understanding the Power Save Feature*

If your phone is unable to find a signal after searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

### *Understanding How Your Phone Operates*

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

### *Maintaining Your Phone's Peak Performance*

For the best care of your phone, only authorized personnel should service your phone and accessories. Allowing unqualified personnel to service your phone may result in damage to your phone and may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

• To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call. For more information, see *"Turning Wi-Fi Off"* on page 91 and see *"Turning Bluetooth On and Off"* on page 91.

• If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.

• Do not hold, bend or twist the phone's antenna, if applicable.

• Do not use the phone if the antenna is damaged.

• If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.

• Speak directly into the phone's receiver.

• If your phone has a SIM or memory card: (i) handle the SIM or memory card with care, (ii) do not remove a card while the phone is transferring or accessing information, as this could result in loss of data and/or damage to the card of phone, (iii) protect cards from strong shocks, static electricity, and electrical noise from other devices, and (iv) do not touch gold-colored contacts or terminals with your fingers or metal objects (if dirty, wipe the card with a soft cloth).

• Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

## Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

## Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

## Battery Precautions

• Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.

• Never use any charger or battery that is damaged in any way.

• Do not modify or remanufacture the battery as this could result in serious safety hazards. Use batteries only for their intended use.

• If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.

• Follow battery usage, storage and charging guidelines found in the user's guide.

• Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the

operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

• If left unused, a fully charged battery will discharge itself over time and must be recharged before use.

• Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.

• Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.

• Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage serious injuries, damage to your phone, or other serious hazard.

• Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.

• Do not leave the battery in hot or cold places, (below 0 °C (32 °F) or over 45 °C (113 °F) such as in a car in summer or winter conditions, as you will reduce the charging capacity and lifetime of the battery.

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Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

• Do not place the battery in, on or near areas that may get very hot, such as on or near a microwave oven, cooking surface, cooking appliance, iron, or radiator. Batteries may explode when overheated.

• Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.

• Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

• Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.

• Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.

• Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. Do not handle a damaged or leaking Lithium Ion (Li-Ion) battery. For safe disposal options for Li-Ion batteries, contact your

nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

## Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

• Keep the phone and all its parts and accessories out of the reach of small children.

• Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

• Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.

• Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.

• Do not store the phone in hot areas (over 45 °C (113 °F)). High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

• Do not store the phone in cold areas (below 0 °C (32 °F)). When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.

• Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.

• Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

• Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.

• Do not put the phone in, on or near areas that may get very hot, such as a microwave oven, cooking surface, cooking appliance, iron or a radiator. Do not dispose of the phone in a fire. The phone may explode when overheated.

• If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.

• If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

• Dispose of phones in accordance with local regulations. In some areas, the disposal of phones in household or business trash may be prohibited. For safe disposal options for phones, contact your nearest Samsung authorized service center.

# Section 12: Warranty Information

## Standard Limited Warranty

### What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

| | |
|---|---|
| Phone | 1 Year |
| Batteries | 1 Year |
| Leather Case | 90 Days |
| Holster | 90 Days |
| Other Phone Accessories | 1 Year |

**What is Not Covered?** This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, neglect, unusual physical, electrical or electromechanical stress, or defects in appearance, cosmetic,

decorative or structural items, including framing, and any non-operative parts unless caused by SAMSUNG; (b) defects or damage resulting from excessive force when pressing on a touch screen; (c) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (d) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (e) malfunctions resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (f) defects or damage from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (g) defects or damage from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake, or from exposure to weather conditions, or battery leakage, theft, blown fuse, or improper use of any electrical source; (h) defects or damage caused by cellular signal reception or transmission, or viruses or other software problems introduced into the Product; (i) any other acts which are not the fault of SAMSUNG; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any

battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

**What are SAMSUNG's Obligations?** During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the original date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall

become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

**What Are the Limits On Samsung's Warranty/Liability?** EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

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Samsung Telecommunications America, LLC

1301 E. Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG

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### *Precautions for Transfer and Disposal*

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

**Important!:** Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Samsung Telecommunications America, LLC:

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

**Important!:** If you are using a handset other than a standard numeric keypad, dial the numbers listed in brackets.

Phone: 1-888-987-HELP (4357)

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