

Samsung ShowcaseTM

a GALAXYTM S phone

P O R T A B L E A L L D I G I T A L
S M A R T P H O N E

User Manual

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

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Section 1: Getting Started

This section helps you to quickly start using your phone.

Understanding this User Manual

The sections of this manual generally follow the features of your phone. A robust index for features begins on page 165.

Also included is important safety information beginning on page 136, that you should know before using your phone.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the phone or keypad. For more information, see “*Securing Your Phone*” on page 14.

Note: Instructions in this manual are based on default settings, and may vary from your phone, depending on the software version on your phone, and any changes to the phone's Settings.

Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your phone and any changes to the phone's Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes:** Presents alternative options for the current feature, menu, or sub-menu.
- **Tips:** Provides quick or innovative methods, or useful shortcuts.
- **Important:** Points out important information about the current feature that could affect performance.
- **Warning:** Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your phone.

Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following text conventions are used to represent often-used steps:

- Arrows are used to represent the sequence of selecting successive options in longer, or repetitive, procedures. For example:

“From a Home screen, touch  **Menu** → **Settings** → **Wireless & networks** → **Wi-Fi settings**.”

Activating your Phone

If you purchased your phone from your carrier's store, it is activated and ready to use. If you received a new phone by mail, it may need to be activated before you can use it.

To activate your phone, choose from the following:

- Visit your carrier's store.
- Contact customer support.
- Manage your account online.

Battery


Your phone is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) are included with the phone, for charging the battery.

Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

Warning!: Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

The battery icon  in the Annunciator Line shows battery power level. Two to three minutes before the battery becomes too low to operate, the empty battery icon will flash and a tone will sound. If you continue to operate the phone without charging, the phone will power off.

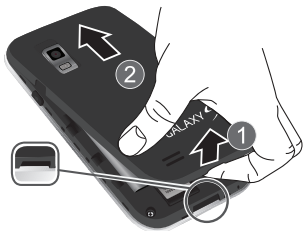
Tip: Task Manager provides helpful information about extending battery life. For more information, see “*Task Manager*” on page 12.

Battery Cover

The battery is under a removable cover on the back of the phone.

Removing the battery cover

- Pull up using the slot provided (1), while lifting the cover off the phone (2).



Installing the battery cover

- Align the cover and press it firmly into place, making sure it snaps into place at the corners.

Installing and Removing the Battery

Installing the battery

1. Remove the battery cover.
2. Insert the battery into the phone, aligning the gold contacts on the battery with the gold contacts in the phone. Push down on the bottom of the battery until it snaps into place.
3. Replace the battery cover.



Removing the Battery

1. Remove the battery cover.
2. Lift the battery up and out of the phone, using the slot provided.
3. Replace the battery cover.



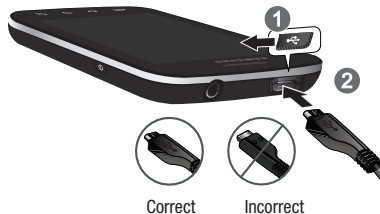
Charging the Battery

Your phone comes with a Wall/USB Charger (Charging Head and USB cable) to charge your phone from any 120/220 VAC outlet.

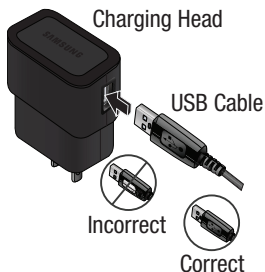
Note: The battery comes partially charged. You must fully charge the battery before using your phone for the first time. A fully discharged battery requires up to 4 hours of charge time.

After the first charge, you can use the phone while charging.

1. On the phone, slide the connector cover (1) to expose the connector. Insert the USB cable into the port (2).



2. Connect the USB cable to the charging head.



3. Plug the charging head into a standard AC power outlet.
4. When charging is complete, unplug the charging head from the power outlet and remove the USB cable from the phone.

Non-Supported Batteries

Samsung phones do not support non-approved batteries. Samsung charging accessories, such as the Wall/USB Charger, will only charge Samsung-approved batteries. If you install a non-supported battery and try to charge it, the phone will beep and display the message: **“Unable to charge non-supported battery. See user manual”**

If you receive this warning, battery charging is disabled.

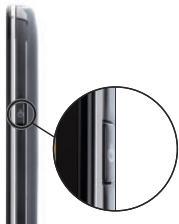
Warning!: Using a non-supported battery may damage your phone.

Turning Your Phone On and Off

Turning Your Phone On

- ▶ Press and hold the  **Power/Lock Key** for three seconds.

While powering on, the phone connects with the network, then displays the Home screen and active alerts.



Note: Your phone's internal antenna is located along the bottom back of the phone. Do not block the antenna; doing so may affect call quality or cause the phone to operate at a higher power level than is necessary.

Turning Your Phone Off

1. Press and hold the  **Power/Lock Key** for two seconds.
2. At the prompt, tap **Power off**.

Set-up Wizard

The first time you turn your phone on, the Set-up Wizard will prompt you to customize your phone. Follow the prompts to set:


- **Add accounts:** Configure access to your Facebook, Twitter, MySpace, Corporate or Google accounts. For more information, see *"Accounts"* on page 40.
- **My Location:** Configure your phone's use of location services. For more information, see *"My Location"* on page 121.

Your Google Account

Your new phone uses your Google account to fully utilize its Android features, including Gmail, Google Talk and the Android Market. When you turn on your phone for the first time, set up a connection with your existing Google account, or create a new Google account.

To create a Google account, or set up your Google account on your phone, use Accounts & sync settings (see *"Accounts & sync"* on page 126.)


Displaying Your Phone Number

- From a Home screen, touch  **Menu** → **Settings** → **About phone** → **Status**.

Your phone number displays under **My phone number**.

System Tutorial

Learn about important concepts to get the most out of your phone.

- From a Home screen, touch  **Menu** → **Settings** → **About phone** → **System tutorial**.

Voice Mail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.


For more information, see *"Voicemail"* on page 39.

TTY Mode

Your phone is fully TTY-compatible, allowing you to connect a TTY device to the phone's headset jack. Before you can use your phone with a TTY device, you'll need to enable TTY Mode.

For more information, see *"TTY Mode"* on page 115.

Roaming

When you travel outside your home network's coverage area, your phone can roam to acquire service on other compatible digital networks. When Roaming is active, the Roaming icon  appears in the Annunciator Line of the display.

Tip: You can set your phone's roaming behavior. For more information, see *"Mobile networks"* on page 113.



During roaming, some services may not be available. Depending on your coverage area and service plan, extra charges may apply when making or receiving calls. Contact your service provider for more information about your coverage area and service plan.

Task Manager


Your phone can run applications simultaneously, with some applications running in the background.

Use Task Manager to see which applications are running on your phone, and to end running applications to extend battery life. You can also uninstall applications from your phone and see how much memory is used by applications.

Task Manager provides information about applications, including:

- **Active applications:** View and end running applications.
- **Downloaded:** View and uninstall application packages.
- **RAM:** View and manage use of Random Access Memory.
- **Storage:** View memory usage.
- **Help:** Useful tips for extending battery life.
 1. From a Home screen, touch  **Applications** →  **Task Manager**.
 2. Touch the **Active applications** tab to view applications running on your phone. Touch **Exit** to end an application, or **Exit all** to stop all running applications.
 3. Touch the **Downloaded** tab to view application package information. Touch **Uninstall** to remove an application from your phone.

4. Touch the **RAM** tab for RAM statistics.
5. Touch the **Storage** tab for RAM and Storage memory statistics.
6. Touch the **Help** tab for information about extending battery life.

Tip: To launch Task Manager from any screen, touch and hold  **Home**, then touch **Task Manager**.

You can also access Task Manager from the **Program Monitor** widget. For more information, see “*Widgets*” on page 26.

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 32GB capacity, for storage of music, pictures, and other files.

Note: You can only store music files that you own (from a CD or purchased with the phone) on a memory card.




Important!: To prevent damage to information stored on the memory card, always unmount the card before removing it from the phone.

Installing a Memory Card

1. Remove the battery cover. For more information, see *“Removing the battery cover”* on page 7.
2. With the gold contacts facing down, carefully slide the memory card into the slot, pushing gently until it clicks into place (1).
3. Install the battery cover. For more information, see *“Installing the battery cover”* on page 7.

Removing a Memory Card

Important!: To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

1. From a Home screen, touch  **Menu** → **Settings** → **Storage** → **Unmount SD card**.
2. Remove the rear cover. For more information, see *“Removing the battery cover”* on page 7.
3. Gently press on the memory card, then release so that it pops out from the slot, and carefully pull the card out (2).
4. Install the cover. For more information, see *“Installing the battery cover”* on page 7.

Securing Your Phone

By default, the phone locks automatically when the screen times out, or you can lock it manually. You can unlock the phone using one of the default Unlock screens, or for increased security, use a personal screen unlock pattern.

For more information about creating and enabling a Screen unlock pattern, see “Screen unlock settings” on page 122.

Tip: When you use a Screen unlock pattern to secure your phone, the Emergency call feature is available on the lock screen, to allow you to make emergency calls even while the phone is locked.


For other settings related to securing your phone, see “Location & security” on page 121.

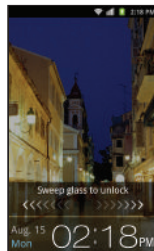
Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

Locking the phone manually

- ▶ Press the  **Power/Lock Key** on the side of the phone.

Unlocking the phone

1. Press the  **Power/Lock Key** to wake the screen.
2. If there are no Notification alerts on your phone, touch and swipe left or right to show the screen that was visible when the phone was locked.
3. If there are Notification alerts on your phone, touch and drag the unlock puzzle piece to fit it into the empty space to show the screen that was visible when the phone was locked.





4. Special puzzle pieces display for missed calls or new messages. Drag a missed call or new message puzzle piece to the empty space to view the message or call log.

Note: You can choose the type of Unlock screen. For more information, For more information, refer to *"Unlocking the Screen - general"* on page 15.


Unlocking with a Personal Screen Unlock Pattern

1. Press the  **Power/Lock Key** to wake the screen.
2. Draw your unlock pattern on the screen.

Unlocking with a Personal Screen Unlock Pin or Password

1. Press the  **Power/Lock Key** to wake the screen.
2. Enter your Pin or your Password on the screen.
3. Touch .

Unlocking the Screen - general

1. Press the  **Power/Lock Key** to wake the screen.
2. If there are no Notification alerts on your phone, touch and swipe left or right to show the screen that was visible when the phone locked.
3. If there are Notification alerts on your phone, touch and drag the unlock puzzle piece to fit it into the empty space to show the screen that was visible when the phone locked.
4. Special puzzle pieces display for missed calls or new messages. Drag a missed call or new message puzzle piece to the empty space to view the message or call log.

Section 2: Understanding Your Phone

This section outlines key features of your phone, including keys, displays, and icons.

Features

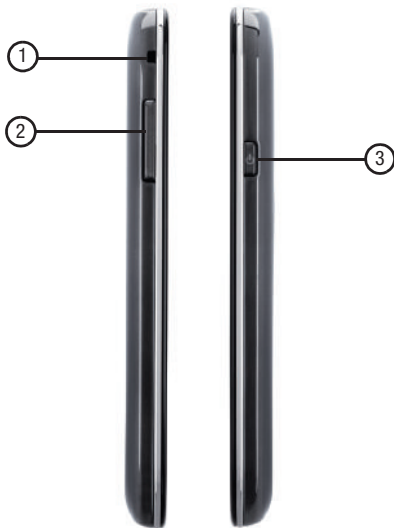
- 4-inch 800x480 Super AMOLED touch screen
- CDMA 1X/EVDO Rev-A Wireless Technology
- Android OS
- Google applications, including Google Talk and Gmail
- Android Market, plus pre-loaded applications
- Connections
 - Wi-Fi 802.11 b/g/n
 - Bluetooth 3.0
 - VPN
 - Dial Up Networking
- Messaging Services
 - Text Messaging
 - Picture Messaging
 - Video Messaging
 - Voice Messaging
 - Email
 - Mobile Instant Messenger (IM)
 - Chat
- 5 Megapixel CMOS Camera/Camcorder
- Picture Gallery, supporting JPEG, PNG, GIF, A-GIF, WBMP and BMP formats
- HD Video Player (720p), supporting H.263, H.264, MPEG4, 3GP, 3G2 (v9), Xvid and DivX formats
- DivX Certified® to play DivX® video up to HD 720p, including premium content.
- Music Player, supporting MP3 format
- Speakerphone
- Voice recognition by Nuance®
- Support for microSD™ and microSDHC™ Memory Cards up to 32GB capacity
- Ringer and Alert tone support for WAV, MP3, AAC, AAC+, eAAC+, AMR-NB, AMR-WB, WMA (v9/10), EVRC, QCELP, MIDI, and SP-MIDI formats
- Bluetooth® 3.0 Wireless Technology. For more information about supported profiles, see “*Bluetooth profiles*” on page 110.

Front View



1. **Earpiece and Sub-microphone:** Listen to callers. In Speakerphone mode, captures your voice. While recording video, captures audio. Avoid covering the sub-microphone during Speakerphone mode or when recording video.
2. **Microphone:** Using during calls to allow callers to hear your voice, and when recording.
3. **Menu Key:** Touch to display options for the current screen.
4. **Home Key:** Touch to display the Home screen. Touch and hold to display recent applications or launch Task Manager.
5. **Back Key:** Touch to return to the previous screen or option.
6. **Search Key:** Touch to launch Search, to search your device or the web.

Side Views



1. **Strap holder:** Attach an optional carrying strap (not included).
2. **Volume Key:** From the Home screen, press to adjust Master Volume. During calls or music playback, press to adjust volume. Press to mute the ringtone of an incoming call.
3. **Power/Lock Key:** Press to lock the phone, or to wake the screen for unlocking. Press and hold to turn the phone on or off. When the phone is on, press and hold to access Phone options: Silent mode, Airplane mode, and Power off.

Back View



1. **3.5mm Headset Jack:** Plug in an optional headset or TTY equipment.
2. **Camera Lens:** Used when taking photos or recording videos.
3. **Camera Flash:** Used when taking photos.
4. **External Speaker:** Plays ringtones, call audio when in Speakerphone mode, music and other sounds.
5. **USB Power/Accessory Port:** Connect a USB cable for charging or to sync music and files.

Navigation

Navigate your phone's features using the command keys and the touch screen.

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 or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, see “*Warranty Information*” on page 155.


Command Keys

Menu Key

Touch  **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key


Touch  **Home** to display the Home screen.

Touch and hold  **Home** to launch a menu of recent applications, or to launch Task Manager.

Back Key

Touch  **Back** to return to the previous screen, option or step.

Search Key

Touch  **Search** to launch Quick Search, to search the web and your phone.

Context-sensitive Menus

While using your phone, context-sensitive menus offer options for the feature or screen. To access context-sensitive menus:

- Touch  **Menu**.
- Touch and hold on an item.

Finger Gestures

Touch

Touch items to select or launch them. For example:

- Touch the on screen keyboard to enter characters or text.
- Touch a menu item to select it.
- Touch an application's icon to launch the application.

Touch and Hold

Activate onscreen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe, Flick or Slide

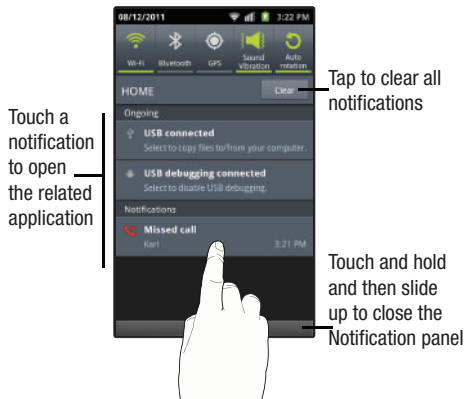
Swipe, flick or slide your finger vertically or horizontally across the screen. For example:

- Unlocking the screen
- Scrolling the Home screen or a menu

Notification Panel

The Notification Panel shows information about connections, messages and other items.

- Sweep your finger downward from the top of the screen.



Touch buttons at the top of the Notification Panel to toggle settings:

- **Wi-Fi:** Turn Wi-Fi on or off.
- **Bluetooth:** Turn Bluetooth on or off.
- **GPS:** Turn Standalone GPS services on or off.
- **Sound Vibration / Vibration:** Activate or deactivate your phone's ringer.
- **Auto rotation:** Enable or disable the Auto rotation setting, to control whether the screen automatically updates when you rotate the phone.

For more information about Connection settings, For more information, refer to *"Wireless & network"* on page 107.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display the Notifications Panel.
2. Touch a notification to clear it.
— or —
Touch **Clear** to clear all notifications

Home Screen

The Home screen is the starting point for using your phone.



Note: Unless stated otherwise, instructions in this User Manual start with the phone unlocked, at the Home screen.

1. **Annunciator Line:** Presents icons to show network status, battery power, and connection details. For a list of icons, see “*Annunciator Line*” on page 24.
2. **Home screen:** The starting point for using your phone. Place icons, widgets and other items to customize your phone to your needs. For more information, see “*Home Screen*” on page 22.
3. **Primary Shortcuts:** Shortcuts to your phone’s common features. For more information, see “*Primary Shortcuts*” on page 25.
4. **Shortcuts:** Shortcuts to common applications. These shortcuts are found on the Home screen by default. For more information, see “*Shortcuts*” on page 28.
5. **Widget:** Application that runs on the Home screen. This widget is found on the Home screen by default. For more information, see “*Widgets*” on page 26.

Display settings

You can customize display settings to your preferences. For more information, see “*Display settings*” on page 120.

Extended Home Screen

The Home screen consists of the Home panel, plus 6 panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the top of the display shows your current position.

Customizing the Home Screen

Customize the Home screen to suit your preferences.

- **Add Shortcuts:** For more information, see “*Shortcuts*” on page 28.
- **Add Widgets:** For more information, see “*Widgets*” on page 26.
- **Add Folders:** For more information, see “*Folders*” on page 29.
- **Change the Wallpaper:** For more information, see “*Wallpaper*” on page 29.

Adding and removing Home screen panels

Your phone comes with 7 Home screen panels. You can customize the Home screen to include up to the seven default panels, and set one panel as Home.

1. From the Home screen, touch  **Menu** → **Edit page**.
2. Touch and drag the panels to rearrange:



Remove: Drag and drop the panel on top of the trashcan icon to remove the panel.



Add: Scroll the panels to display the location for a panel, then touch the Add button. **Add** previously removed panels up to the default total of seven.

Annunciator Line

The Annunciator line displays icons to show network status, battery power, and other details.



Signal Strength: Current signal strength. The greater the number of bars, the stronger the signal.



Airplane Mode Active: All wireless communications are disabled. See “Airplane mode” on page 112.



System Alert: Check Notifications Panel for alerts.



Voice Call: A voice call is in progress.



Speakerphone: Speakerphone is enabled.



Missed Call: Displays when there is a missed call.



Battery Level: Shown fully charged.



Charging Indicator: Battery is charging.



Device Power Critical: Battery has only three percent power remaining. Charge immediately.



3G Connection Active: Phone is active on a 3G system.



USB Connected: The phone is connected to a computer using a USB cable.



New Message: You have new message(s).



New Voicemail: You have a new voicemail message.



New Email Message: You have new email.



Alarm Set: An alarm is active. For more information, refer to “Clock” on page 94.



Silent mode: All sounds except media and alarms are silenced. See “Silent mode” on page 117.



Vibrate mode: All sounds are silenced, but the phone vibrates for alerts. See “Sound settings” on page 117.



SD Card Preparing: An optional memory card is installed.



SD Card Removed: A memory card was uninstalled.



Bluetooth Active: Bluetooth is turned on.



Bluetooth Connected: The phone is paired with another Bluetooth device.



Wi-Fi Active: Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).





Wi-Fi Action Needed: Action needed to connect to Wireless Access Point (WAP).



TTY: TTY Mode is active.

Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for the  **Applications** /  **Home** shortcut.

Note: When you access **Applications**, the  **Home** shortcut replaces the  **Applications** shortcut to provide quick return to the Home screen.



Phone: Launches the Phone, to make calls. For more information, see “*Making Calls*” on page 34.



Contacts: Store and manage your contacts. For more information, see “*Contacts*” on page 43.






Messaging: Send and receive messages. For more information, see “*Messaging*” on page 59.



Applications: Access your phone's applications. For more information, see “*Applications*” on page 30.

Editing the Primary Shortcuts

1. From the Home screen, touch  **Applications**.
2. Touch  **Menu** → **Edit**.
3. Touch and hold an icon, then drag it to replace a primary shortcut.
4. When you are finished, touch  **Menu** → **Save**.


Widgets

Widgets are self-contained applications that you can place on the Home screen to access favorite features.

Adding Widgets to the Home screen

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Widgets**, then touch a widget to add it to the Home screen.

Removing Widgets

- Touch and hold the Widget until  **Remove** appears at the bottom of the display, then drag the Widget to the **Trashcan**.

Widgets



AccuWeather Clock: Displays weather for customer selected cities.



Buddies now: Create one touch shortcuts to your favorite Contacts and to your social networking sites.



Calendar: Record events and appointments to manage your schedule.



Calendar Clock: Display an analog clock with the current date.



Daily Briefing: Monitor the weather, financial information, news and your schedule from one convenient location on the Home screen. Appears on the Home screen by default. For more information, see “*Daily Briefing*” on page 95.



Days: Display and maintain a daily Diary.



Dual Clock: Display two time zones.



Feeds and Updates: Display feeds from your Facebook, MySpace, and Twitter accounts, and post an update to your accounts, right from the Home screen. Appears on the Home screen by default. For more information, see *“Feeds and Updates”* on page 43.



Google Search: Launch Google Search.



Home screen tips: View tips about using your phone's Home screens.



Latitude: Share locations and status messages with friends. Send instant messages and emails, make phone calls, and get directions to your friends' locations. For more information, refer to *“Latitude”* on page 97.



Market: Download applications from the Android Market.



News & Weather: Launch Google news and weather.



Picture frame: Display a picture from the Gallery on the Home screen.



Power control: Control Wi Fi, Bluetooth, and GPS connections, and set automatic synchronization and brightness settings.



Program Monitor: Display the number of active applications. Touch to launch Task Manager. For more information, see *“Task Manager”* on page 12.



Rate Places: Assign personal ratings to Places you have located.



Traffic: Display traffic information for a particular destination.



Y! Finance Clock: Display a clock with financial information from Yahoo!® Finance.



YouTube: Search YouTube and watch videos.

Shortcuts

Use Shortcuts for quick access to applications or features.

Adding Shortcuts from the Home screen

1. Navigate to a Home screen panel, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Shortcuts**, then touch a selection:



Applications: Launch an application. For a list, see “Applications” on page 30.



Bookmark: Launch a bookmarked web page.



Contact: View a contact you specify.



Direct dial: Automatically call a contact you specify.



Direct message: Create a message to a contact you specify.



Directions & Navigation: Turn-by-turn instructions to a destination when traveling by car, bus, bicycle, or walking.



Email: Access your Email account. (For more information, see “Email” on page 64.)



Gmail label: Access your Gmail conversations by label.




Latitude: Share locations and status messages. Sends instant messages and emails, makes phone calls, and gets directions. For more information, refer to “Latitude” on page 97.




Settings: Go to a specific setting.

3. Follow the prompts to configure the Shortcut and add it to the Home screen.

Adding Shortcuts from Applications

1. Navigate to a Home screen panel.
2. Touch  **Applications**.
3. Touch and hold on an application icon. The Shortcut icon is automatically placed on the selected Home screen.

Removing Shortcuts

- Touch and hold the Shortcut until  **Remove** appears at the bottom of the display, then drag the Shortcut to the **Trashcan**.

Folders

Place Folders on the Home screen to organize items together on the Home screen.

1. Navigate to the desired Home screen, then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Folders**, then touch a selection:



New folder: Create a new empty folder.



All contacts: Create a folder containing all contacts.



Contacts with phone numbers: Create a folder containing contacts with stored phone numbers.



Received list from Bluetooth: Create a folder containing a list of items received via Bluetooth.




Recent documents: List of the latest files stored to your phone.



Starred contacts: Create a folder containing contacts marked as Favorites.

Removing Folders

- Touch and hold the Folder until  **Remove** appears at the bottom of the display, then drag the Folder to the **Trashcan**.

Wallpaper

Choose a picture to display in the background of the Home screen. You can choose from pre-loaded wallpaper images, or select a picture you've taken with the Camera or downloaded.

1. From the Home screen, touch and hold on the screen to display the **Add to Home screen** menu, then touch **Wallpapers**.

— or —


From the Home screen, touch  **Menu** → **Wallpaper**.

2. Choose a source for images:
 - **Gallery:** Access the Gallery to choose a picture from an installed memory card. Touch a picture to select it, then use the crop tool to resize the picture, if desired. Touch **Save** to save the picture as wallpaper.
 - **Live wallpapers:** Choose from pre-loaded interactive animated wallpapers. Touch a wallpaper to see an example, then touch **Set wallpaper**.
 - **Wallpaper gallery:** Choose from pre-loaded wallpaper images. Touch a wallpaper, then touch **Set wallpaper**.

Applications

The Applications screen holds all applications installed on your wireless device. Applications that you download and install from Android Market or from the web are also added to the Applications screen.



You can place shortcuts to applications on the Home screen, for quick access to the application. For more information, see *“Adding Shortcuts from Applications”* on page 28.

1. From the Home screen, touch  **Applications**.
2. Slide your finger left or right to scroll the Applications screens.
3. Touch an icon to launch the application.



Customizing the Applications Screens

Choosing a view


By default, application icons appear in Grid view. You can change the view to list view.

1. From the Home screen, touch  **Applications**.
2. Touch  **Menu** → **List View**.

Moving Application icons

1. From the Home screen, touch  **Applications**.
2. Touch  **Menu** → **Edit**.
3. Touch and hold an application icon, then drag it to a new location.

Tip: You can place Applications on the Primary Shortcuts bar, to allow access to the application from any screen. For more information, see *“Editing the Primary Shortcuts”* on page 26.

4. When you are finished, touch  **Menu** → **Save**.

Applications



AllShare: Synchronize your phone with your TV. For more information, see “*AllShare*” on page 92.



Books: Access the Internet. For more information, see “*Books*” on page 92.



Browser: Access the Internet. For more information, see “*Browser (Google)*” on page 68.



Calculator: Perform mathematical calculations. For more information, see “*Calculator*” on page 92.



Calendar: Record events and appointments to manage your schedule. For more information, see “*Calendar*” on page 93.



Camera: Take pictures or record videos. For more information, see “*Camera*” on page 78.



Car Cradle: Operate your phone with an optional Car Cradle accessory. For more information, see “*Car Cradle*” on page 94.



Clock: Keep track of time with Alarm, World clock, Stopwatch and Timer features.



Daily Briefing: Monitor weather, financial information, news and your schedule, from one application. For more information, see “*Daily Briefing*” on page 95.



Desk Cradle: Operate your phone with an optional Desk Cradle accessory. For more information, see “*Desk Cradle*” on page 95.



Downloads: Lists files you have downloaded to your phone. For more information, refer to “*Downloads*” on page 96.



Email: Send and receive email from your phone. For more information, For more information, refer to “*Email*” on page 64.



Gallery: View and manage pictures stored on your phone, or on an optional installed memory card. For more information, see “*Gallery*” on page 82.



Gmail: Send and receive emails via Gmail, Google's web-based email. For more information, see “*Gmail*” on page 61.



Google Search: Perform Google searches from the Home screen. you can choose to search the Web, Apps, Contacts, or All.



Latitude: Share your location with chosen friends



Maps: Tracks your current location, provides a real-time view of traffic issues, and displays detailed destination directions. For more information, refer to “*Maps*” on page 97.



Market: Browse, download, and install Android applications. For more information, see “*Market*” on page 98.



Memo: Create text memos, and send memos via Bluetooth. For more information, see “*Memo*” on page 98.



Mini Diary: Allows you to create a mini diary where you can add a photo, and text to describe an event or other memorable life event. For more information, refer to “*Mini Diary*” on page 98.



MobileAP: Use your phone as a Wi-Fi modem for other devices, such as a PC.



Music Player: Play music stored on an optional installed memory card. For more information, see “*Music Player*” on page 75.



My Files: Find, view and manage files stored on an optional installed memory card. For more information, see “*My Files*” on page 100.



Navigation: Google Maps Navigation (Beta) is an internet-connected turn-by-turn, GPS navigation system with voice guidance. For more information, refer to “*Navigation*” on page 20.



News & Weather: Launch Google news and weather.



Places: Find places of interest near your **Latitude** location. (For more information, refer to “*Latitude*” on page 97.)



Settings: Configure your phone to your preferences. For more information, see “*Settings*” on page 107.



Talk: Chat with other Google Talk users. For more information, see “*Google Talk*” on page 64.



Task Manager: View and manage active applications. For more information, see “*Task Manager*” on page 12.



ThinkFree Office Suite for Android™: View and manage files in a Microsoft® Office-compatible software suite. For more information, refer to “*ThinkFree Office*” on page 102.



Video Player: Play and manage videos stored on an installed memory card. For more information, see “*Video Player*” on page 81.



Voice Commands: Speak commands to make calls, and to launch other phone features. For more information, see “*Voicemail*” on page 39.



Voice Recorder: Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail. For more information, see “*Voice Recorder*” on page 105.



Voice Search: Perform a Google search by speaking your search terms. For more information, refer to “*Voice Search*” on page 105.



Write & Go: Capture ideas, then choose a format for sending via Gmail, saving to the Calendar or as a memo, or posting it to Facebook. For more information, see “*Write & Go*” on page 105.



YouTube: View and upload YouTube videos, right from your phone. For more information, refer to “*YouTube*” on page 106.

Section 3: Call Functions






This section describes how to make, answer or end calls.

Making Calls

Your phone offers multiple ways to make calls:


- Use the **Phone** touch screen **Dialer** to enter the phone number or speed dial number.
- Return a call, or call a recent caller, from **Call log**.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Voice dial using **Voice Commands**.

Making Calls Using the Phone Dialer

1. From a Home screen, touch  **Phone**.
2. Touch the digits of the telephone or speed dial number on the **Dialer** keypad. While dialing, use these options:
 - Touch  **Menu** → **Speed dial setting** to dial or set Speed Dials.
 - Touch  **Menu** → **Add 2 sec pause** to insert a 2-second pause in the telephone number.
 - Touch  **Menu** → **Add wait** to insert a Wait pause in the telephone number, to pause dialing to wait for input from you.
3. Touch  to place the call.

Making Calls using Speed Dials



Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact. For more information about setting speed dials, see “*Speed Dials*” on page 52.

1. From a Home screen, touch  **Phone**.
2. Touch the digits of the speed dial number on the Dialer keypad, holding the last digit until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see “*Contacts*” on page 43.




1. From a Home screen, touch  **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Touch  to dial the default number for the Contact.

Making Calls using Voice Commands

Place a call by speaking the name or number. For more information, see “*Voice Commands*” on page 103.




Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see “*Favorites*” on page 48.

1. From a Home screen, touch  **Phone**.
2. Touch  **Favorites** to display favorites.
3. Find the contact and touch it to open the Contact entry.
4. Touch  to dial the default number for the Contact.

Making Calls from Call Log


Return a call, or call a number from a recent call stored in Call log. For more information about Call log, see “*Call Log*” on page 38.

1. From a Home screen, touch  **Phone**.
2. Touch  **Call log** to display recent calls.
3. Find a call, then touch  **Call** to dial the number.

Three-Way Calling

Merge two calls to set up a three-way call between you and two other parties.

Setting up a Multi-Party Call

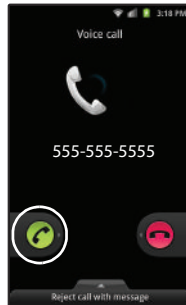
1. Establish a call, either by dialing or answering an incoming call.
2. Touch **Add Call**. The first call is placed on hold, and the **Dialer** displays.
3. Enter the second phone number, then touch .
4. Touch **Merge**. The two calls are joined into one, 3-way call.

Answering Calls

You can answer incoming calls when the phone is locked or unlocked.

- With the phone unlocked or locked, touch and drag 

Answer.




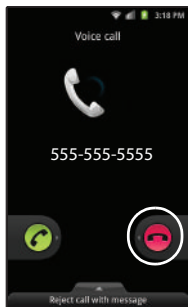
Note: To silence the ringtone for an incoming call, use the **Quiet** button or puzzle piece, or press the **Volume Key** down.

Sending Calls to Voicemail

When your phone alerts you to an incoming call, you can ignore the call to send the caller to voice mail, or ignore the call and send a message to the caller.

Ignoring a call

- ▶ With the phone unlocked or locked, touch and drag  Ignore.




Ignoring a call with a message

- ▶ With the phone unlocked or locked, touch and drag **Reject call with message**. (For more information, refer to “Unlocking the phone” on page 14.)

Note: For more information about creating ignore messages, see “Ignore with message” on page 114.

Answering Call-Waiting Calls

When you receive a call while on a call:

- Touch and drag  **Answer** to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call.

In-Call Options

While in a call, you can use these features:

- **Add call:** Display the Dialer to set up a multi-party call.
- **End call:** End the phone call.
- **Dialpad:** Display a dialpad to enter numbers.
- **Speaker:** Enable or disable speakerphone.
- **Mute:** Mute or unmute your voice on the call.
- **Bluetooth:** Switch the call's audio to a Bluetooth headset.

Ending a Call

- ▶ Touch .



Call Log

When you place, answer, or miss a call, a record of the call is saved in the Call log.



Accessing Call Log

- ▶ From a Home screen, touch  **Phone** →  **Call log**.

Sending Messages using Call Log




1. From a Home screen, touch  **Phone** →  **Call log**.
2. Touch and hold on a call record, then select **Send message** to create a new message, with the phone number entered in the **To** list.
3. Continue creating the message. For more information, see “*Creating and Sending Messages*” on page 59.

Creating or Updating Contacts Using Call Log




1. From a Home screen, touch  **Phone** →  **Call log**.
2. Touch and hold on a call record, then select **Add to Contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.
4. Continue entering contact information. For more information, see “*Contacts*” on page 43.

Managing the Call Log

Deleting Call log records




1. From a Home screen, touch  **Phone** →  **Call log**.
2. While viewing the Call log, touch  **Menu** → **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check appears in the check box to show marked records.
4. Touch **Delete** to delete marked records.

Filtering Call log records

1. From a Home screen, touch  **Phone** →  **Call log**.
2. While viewing the Call log, touch  **Menu** → **View by**.
3. Select a filter type, from **All calls**, **Missed calls**, **Outgoing calls**, or **Incoming calls**.

Viewing call durations



View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. From a Home screen, touch  **Phone** →  **Call log**.
2. While viewing the Call log, touch  **Menu** → **View call timer**.



Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your phone.

Setting up Voicemail

1. From a Home screen, touch  **Phone**, then press and hold  to dial Voice mail.
2. Follow the automated instructions to set up your new password and record a greeting.

Checking Voicemail

1. From a Home screen, touch  **Phone**, then press and hold  to dial Voice mail.
2. Follow the automated instructions to manage voicemail.

Tip: You can also access **Voicemail** by dialing your phone number from any touch-tone phone.

Section 4: Contacts and Accounts

This section explains how to manage your contacts and accounts.

Accounts

Your phone provides the ability to synchronize information from a variety of accounts, including Google, a Corporate Exchange server, and social networking sites such as Facebook, Twitter, and MySpace. With synchronization, you can ensure that information on your phone is updated with any information that changes in your accounts.

Synchronize contacts with your Facebook, Twitter, and MySpace accounts.

Note: You must register your phone with your social network site before using the phone to access the networks.

With Corporate Exchange, Google, and Facebook accounts you can synchronize Calendar events and Contacts.


Tip: For more information on setting up your email contact your service provider.

Setting Up Your Accounts


Set up and manage your synchronized accounts with the Accounts & sync setting.

For information about setting up other, non-synchronized email accounts, see “*Configuring Email Accounts*” on page 64.



Adding a Google account

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch **Add account** → **Google**.
3. At the **Add a Google Account** screen, touch **Next** to begin, then touch an option:
 - **Create:** Follow the prompts to create a new account.
 - **Sign in:** Enter your Google **Username** and **Password**, then touch **Sign In**.
4. The phone communicates with the Google server to set up your account. When complete, your Google account appears in the **Manage accounts** area of the **Accounts & sync** screen.


Managing a Google account

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Tap your Google account to display the **Data & synchronization** screen.
3. Tap a setting to enable or disable synchronization. When enabled, a check mark appears in the check box:
 - **Sync Books**: When enabled, synchronizes your Google eBooks with your phone's Books. (For more information, refer to *"Books"* on page 92.)
 - **Sync Contacts**: When enabled, synchronizes your Google contacts with your phone's Contacts.
 - **Sync Gmail**: When enabled, synchronizes your Gmail messages on your phone.
 - **Sync Calendar**: When enabled, synchronizes your Google calendar with your phone.

Adding a Corporate account


1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch **Add account** → **Corporate**.
3. At the **Add an Exchange account** screen, enter your **Email address** and **Password**, then touch **Next**.
4. At the **Exchange server settings** screen, enter server settings, then touch **Next**. The phone communicates with the server to confirm your account.
5. At the **Account options** screen, select account settings, then touch **Next**.
6. At the **Set up email** screen, enter a name for the account (this name will display on screen). Touch **Done**.
7. At the **Activate device administrator?** screen, touch **Activate** to complete set-up.
8. Navigate to a Home screen, then touch  **Menu** → **Settings** → **Accounts & sync**. Your Corporate account appears in the **Manage accounts** area of the **Accounts & sync** screen, and in the Email application.

Managing a Corporate Exchange account

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch your Corporate account to display these settings:
 - **Sync Contacts:** When enabled, synchronizes your Exchange contacts with your phone's Contacts.
 - **Sync Email:** When enabled, synchronizes your Exchange Email messages with the Email messages on your phone.
 - **Sync Calendar:** When enabled, synchronizes your Exchange calendar with your phone's Calendar.


Setting Up a Facebook account

Note: You must register your phone with Facebook before using the phone to access the site. From your Facebook account, go to Account Settings and follow the "Activate a Phone" registration instructions.

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync** → **Add account** → **Facebook**.
2. Enter your Email and Password, then touch **Log in**.
3. Follow the prompts to complete the set-up.


Setting Up a Twitter account

Note: You must register your phone with Twitter before using the phone to access the site. From Twitter.com Settings, follow the instructions in the Mobile area to register your phone.

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync** → **Add account** → **Twitter**.
2. Enter your Email and Password, then touch **Log in**.
3. Follow the prompts to complete the set-up.

Setting Up a MySpace account


Note: You must register your phone with MySpace before using the phone to access the site. From the MySpace Account Settings, follow the "Mobile Activation" registration.

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync** → **Add account** → **MySpace**.
2. Enter your Email and Password, then touch **Log in**.
3. Follow the prompts to complete the set-up.

Feeds and Updates

Feeds and Updates displays feeds from your Facebook, MySpace, and Twitter accounts, and allows you to post an update to your accounts, right from the Home screen.

Tip: The Feeds and Updates widget is available by default on the Home screen, or is available in the Samsung Widgets. For more information about placing widgets on the Home screen, see “*Widgets*” on page 26.

- From a Home screen, touch  **Settings** on the Feeds and Updates widget to configure your preferences.



Note: When you set up Facebook, Myspace and Twitter accounts on your phone, your accounts automatically appear in Feeds and Updates.

Contacts

To access Contacts:

- From a Home screen, touch  **Contacts**.

Creating Contacts

1. From a Home screen, touch  **Contacts** → .
2. At the **Save contact to** prompt, touch an account for saving the contact (available options depend on the accounts you have set up):

- **Phone:** Saves to the phone's Contacts.
- **Google:** Saves to your Google account.
- **Corporate:** Saves to your Corporate Exchange account.

3. Touch contact fields to enter information:

- Touch **Photo ID** to choose a picture to identify the contact.
- Touch **First name**, then enter a first name for the contact.
- Touch **Last name**, then enter a last name for the contact. After entering a last name touch **v** to enter a Middle name, Name suffix, Phonetic given name, Phonetic middle name, Phonetic family name.
- Touch **Phone number** to enter a phone number, then touch the **Label** button to choose a label, from **Mobile, Home, Work, Work Fax, Pager, Assistant, Other**, or **Custom** to create a custom label. To add another number, touch **+**.
- Touch **Email address** to enter an email address, then touch the **Label** button to choose a label, from **Home, Work, Mobile, Other**, or **Custom** to create a custom label. To add another address, touch **+**.
- Touch **Instant msg** to enter an instant message address, then touch the label button to choose a label, from **Google Talk, AIM, Windows Live, Yahoo, Skype, QQ, ICQ, Jabber**, or **Custom** to create a custom label. To add another IM, touch **+**.
- Touch **Groups** to assign the contact to a group. For more information about Groups, see “*Groups*” on page 49.
- Touch **Ringtone** to choose a ringtone for the contact.

- Touch **Postal address** to enter a mailing address for the contact.
- Touch **Organization** to enter a company or other affiliation.
- To add more fields, tap More to enter **Notes**, **Nickname**, **Website**, **Internet call**, **Birthday**, or **Anniversary**.

4. When you finish entering information, touch  .


Creating Contacts from Call log

Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see “*Creating or Updating Contacts Using Call Log*” on page 38.



Creating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. From a Home screen, touch  **Phone**.
2. Touch the digits of the phone number on the **Dialer** keypad.
3. Touch **Add to Contacts**, then select **Create contact** from the pop-up menu.
4. Continue entering contact information. For more information, see “*Creating Contacts*” on page 43.


Updating Contacts

Make changes to update an existing contact.

1. From a Home screen, touch  **Contacts**.
2. Touch a contact to view its information, then touch  **Menu** → **Edit**.
— or —
Touch and hold on a contact, then select **Edit** from the pop-up menu.
3. Continue entering contact information. For more information, see “*Creating Contacts*” on page 43.

Updating Contacts from the Phone Dialer

Enter a phone number with the Phone Dialer keypad, then save it.

1. From a Home screen, touch  **Phone**.
2. Touch the digits of the phone number on the **Dialer** keypad.
3. Touch **Add to Contacts**, then select **Update existing** from the pop-up menu.
4. Select a contact to update, then touch **Save**, or continue entering contact information. For more information, see “*Creating Contacts*” on page 43.

Updating Contacts from Call log




Save a phone number from a recent call record to create a new contact, or update an existing contact.

For more information, see “*Creating or Updating Contacts Using Call Log*” on page 38.




Get Friends

Use the Get Friends feature to sync with your accounts. You can choose from an account you've already set up on your phone, or set up a new account.

For more information about setting up accounts on your phone, see “*Setting Up Your Accounts*” on page 40.

1. From a Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Get friends**.
3. Touch **Add Account**, then touch an account.
4. Touch  **Menu** → **Sync now**.

Contacts Display Options

1. From a Home screen, touch  **Contacts**.
2. Touch  **Menu** → **More** → **Display options** to set these options:
 - Touch **Only contacts with phones** to restrict display to contacts with phone numbers.
 - Touch **Sort by** to sort by **first** or **last** name.
 - Touch **Display contacts by** to sort contacts by **First name first** or **Last name first**.
 - Touch **Phone** to choose contacts for display by group.
3. Touch  to save options.




Join Contacts

Your phone can synchronize with multiple accounts, including Google, Corporate Exchange, and other email providers, plus social networking sites like Facebook, Twitter, and MySpace. When you synchronize contacts from these accounts with your phone, you may have multiple contacts for one person.


Joining imported contact records to a phone contact allows you to see all the contact's numbers and addresses together in one Contact entry. Joining also helps you keep your contacts updated, because any changes that your contacts make to their information in the respective accounts is automatically updated the next time you synchronize with the account.

Note: Phone contacts are always the primary contact for joining. You can join imported contacts to a Phone contact, but the Phone contact will always display; the imported contact will show as the joined contact.

Joining contacts

1. From a Home screen, touch  **Contacts**.
2. Touch a Phone contact (a contact with the  icon) to display its information.
3. Touch  **Menu** → **Join contact**.
4. Touch an imported contact record to join it to the Phone contact.

Unjoining contacts

1. From a Home screen, touch  **Contacts**.
2. Touch a contact to display its information.
3. Touch the **Joined Contacts** field to display joined contacts.
4. Touch a contact to unjoin it from the displayed contact.

Sending Namecards

Sending a Namecard (vCard)

You can send a contact namecard as a vCards via Bluetooth to other Bluetooth devices, or via Gmail as an attachment.




Important!: Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From a Home screen, touch  **Contacts**.
2. Touch a contact to display its information.
3. Touch  **Menu** → **Send via**.
4. At the prompt, choose a sending method, then follow the prompts to send the namecard:
 - **Bluetooth:** For more information about sending via Bluetooth, see *"Bluetooth"* on page 88.
 - **Email:** For more information about sending Gmail, see *"Composing and Sending Email"* on page 65.
 - **Gmail:** For more information about sending Gmail, see *"Composing and Sending Gmail"* on page 62.

Sending multiple namecards

You can send multiple contact namecards as vCards via Bluetooth to other Bluetooth devices, or via Email or Gmail.

Important!: Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.


1. From a Home screen, touch  **Contacts**.
2. Touch  **Menu** → **Import/Export** → **Send namecard via**.
3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark appears in the check box for marked contacts.
4. Touch , then select **Bluetooth**, **Email**, or **Gmail** to send the namecards. (For more information about Bluetooth, see *"Bluetooth"* on page 88. For more information about Email or Gmail, see *"Messaging"* on page 59.)

Favorites

Mark contacts with a star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone Dialer, for fast dialing or messaging, and are indicated by the ★ in Contacts.




Creating Favorites

1. From a Home screen, touch  **Contacts**.
2. Touch and hold on a contact, then select **Add to favorites** from the pop-up menu.
— or —
Touch a contact to display it, then touch the ★ **Star** at the top right of the screen.

My Profile




My profile is your own contact record. You can send My profile as a vCard via Bluetooth or as an attachment via Gmail.

Viewing My Profile

1. From a Home screen, touch  **Contacts**.
2. Touch  **Menu** → **My profile** to display your contact information.
3. To add information to your profile, touch  **Menu** → **Edit**.
For more information, see “*Creating Contacts*” on page 43.

Sending My Profile

You can send My Profile as a vCard via Bluetooth to other Bluetooth devices, or as an attachment to a Gmail.

1. From a Home screen, touch  **Contacts**.
2. Touch  **Menu** → **My profile** to display your contact information.
3. Touch  **Menu** → **Send namecard via**.
4. Choose a sending method, **Bluetooth** or **Gmail**, then follow the prompts to send the profile.




Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members.




Accessing Groups

- From a Home screen, touch  **Contacts → Groups**.




Creating a New Group

1. From a Home screen, touch  **Contacts → Groups**.
2. Touch  **Menu → Create**.
3. Touch the **Group Name** field to enter a Group Name.
4. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default Ringtone**, or **Phone Ringtone** to select a new ringtone.
5. Touch  to save the new group.

Editing a Group



1. From a Home screen, touch  **Contacts → Groups**.
2. Touch a Group to display it.
3. Touch  **Menu → Edit group**.
4. Touch the **Group Name** field to change the Group Name.
5. Touch **Ringtone** to choose a ringtone for calls from members of this group. Touch **Default Ringtone**, or **Phone Ringtone** to select a new ringtone.
6. Touch  to save the changes.

Deleting a Group

1. From a Home screen, touch  **Contacts → Groups**.
2. Touch  **Menu → Delete**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box.
4. Touch  to delete the selected group(s).
5. Choose **Group only** or **Group and group members**.




Adding Contacts to a Group

Tip: You can also add a contact to a group when you create the contact. For more information, see “*Creating Contacts*” on page 43.




1. From a Home screen, touch  **Contacts → Groups**.
2. Touch a **Group** to display it, then touch **Add member**.
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
4. Touch  to add the selected contact(s).

Removing Contacts from a Group

Tip: You can also add a contact to a group when you edit the contact. For more information, see “*Updating Contacts*” on page 44.



1. From a Home screen, touch  **Contacts → Groups**.
2. Touch a **Group** to display it.
3. Touch  **Menu → Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
5. Touch  to remove the selected contact(s).

Sending a Message to Group Members

1. From a Home screen, touch  **Contacts** → **Groups**.
2. Touch a **Group** to display it.
3. Touch  **Menu** → **Send message**.
4. Touch contacts to mark them as recipients for the new message, then touch .
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see “*Creating and Sending Messages*” on page 59.

History

History displays all calls, messages, emails, IMs, and Facebook, MySpace and Twitter messages sent and received from contacts.

1. From a Home screen, touch  **Contacts** → **History**.
2. A list of calls, messages and emails displays, sorted by time, with most recent first.
3. Touch  **Menu** for these options:
 - **Delete**: Erase history records.
 - **View by**: Filter records by type. Choose from **Call**, **Message**, **Facebook**, **MySpace**, or **Twitter**.

Activities

Use Activities to view updates to Contacts from your social networking accounts, such as Facebook, Twitter or MySpace.

Note: If you haven't updated Contacts from any accounts, the Activities tab will be blank.

- From a Home screen, touch  **Contacts** → **Activities**.



Speed Dials

Speed Dials are 1-, 2-, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.




Note: Some Speed Dials are reserved by default, and cannot be assigned:

Speed Dial 1 is reserved for Voicemail.
Speed Dial 97 is reserved for balance inquiries.
Speed Dial 98 is reserved for minutes inquiries.
Speed Dial 99 is reserved for payment inquiries.
Speed Dial 100 is reserved for data call inquiries.

Assigning Speed Dials

1. From a Home screen, touch  **Contacts**.
2. Touch  **Menu** → **More** → **Speed dial**.
3. A list of speed dials displays. Touch a speed dial, then touch a contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. From a Home screen, touch  **Contacts**.
2. Touch  **Menu** → **More** → **Speed dial**.
3. Touch  **Menu**, then touch an option:
 - **Remove:** Touch a speed dial to remove it.
 - **Change order:** Touch and hold a speed dial, then drag it to a new location in the list.

Section 5: Entering Text

This section describes how to enter words, letters, punctuation and numbers when you need to enter text.

Virtual QWERTY Keyboard

Your phone uses a virtual QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

The virtual QWERTY keyboard displays at the bottom of the screen. By default, when you rotate the phone, the screen orientation updates to display the keyboard at the bottom of the screen.

Text Input Methods

Your phone offers three text input methods:

- **Swype:** Swype is a new text input method that allows you to enter words by gliding your finger over the virtual QWERTY keyboard, lifting your finger between words. You can also enable Word prediction, which matches your key touches to common words.
- **Samsung Keyboard:** An on-screen QWERTY keypad that can be used in both portrait and landscape orientation. You can also configure the Samsung keypad to use the QWERTY Keypad, or a 3x4 Keypad (uses XT9 predictive text).

- **Android Keyboard:** The Android Keyboard is a virtual QWERTY keyboard that allows you to enter text by touching keys on the screen. Android Keyboard includes predictive text, which matches your key touches to common words so that you can select the word to enter it into your text.

Changing the Input Method

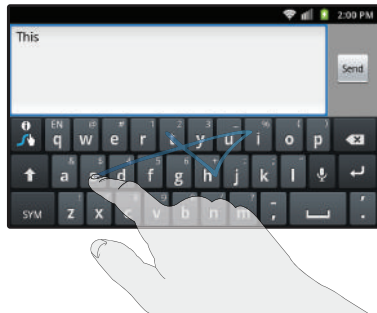
When entering text, you can select the text input method.

- ▶ Touch and hold on a text input field, then select an input method:
 - Swype
 - Samsung keypad
 - Android keyboard

Entering Text Using Swype

Swype is a new way to enter text on touch screens. Instead of touching each key, use your finger to trace over each letter of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter.

This example shows how to enter the word “this”. Put your finger down on the “t”, and without lifting, glide it to the “h”, then to the “i” then over to the “s”.



Here are a few tips to get you started:

- **Spacing is automatic:** When you finish a word, just lift your finger and start the next word.
- **Double letters:** Just “scribble” on the key.
- **Capitalization:** Swype recognizes and capitalizes the first word of sentences. If you want to capitalize a word that isn’t at the beginning of a sentence, just glide above the keyboard before gliding over the next letter.
- **Contractions:** Swype recognizes most words that include an apostrophe; just swype the letters of the word, including the apostrophe.
- **Punctuation:** Tap and hold a key to view a punctuation menu and make a selection.
- **Accented characters:** Just glide through the letters of the word. Swype usually recognizes the word and correctly accents the letters.
- **Error correction:** If you make a mistake, double-tap on the word you want to change.

Configuring Swype




Configure Swype to your preferences. For more information, see “Swype” on page 130.

- While entering text, touch the  **Swype Key → Options.**

Tip: To customize predictive text, configure the User dictionary settings. For more information, see “User dictionary” on page 129.



Swype Help

While entering text, you can get tips and help about using Swype.

- Tap the  **Swype Key** to show **Tips**.
- Tap the  **Swype Key** → **Tutorial** for an interactive tutorial.
- Tap the  **Swype Key** → **More Help** to view Help.


Entering Symbols and Numbers

Using the Swype Keyboard:

- Touch and hold on a key to enter the symbol or number at the top of the key.
- Touch and hold on a key until a menu of all characters available on that key appears, then touch a character to enter it.
- Touch  to switch to Symbol mode, then touch a key.
- Touch  → **Shift**, then touch the corresponding key.

Using the Numeric Keyboard

Switch to a Numeric Keyboard, to quickly enter numbers and mathematical operators:

- ▶ Touch and hold .

From the Numeric Keyboard, you can switch to a Numeric Keyboard:

- ▶ Touch and hold .

Editing Keyboard

The Editing Keyboard provides a quick way to move the cursor and highlight text. If the application in which you are working supports editing, you can cut, copy or paste highlighted text.

To access the Editing Keyboard:

- ▶ Swype from the  **Swype Key** to the  **SYM Key**.

Using Swype Speech Recognition

Enter text by speaking. Swype recognizes your speech and enters text for you.

To use Speech recognition:

- ▶ Touch the  **Speech Recognition Key**.


At the **Speak now** prompt, speak the text you want to enter.

Entering Text Using the Samsung Keyboard

This device has a built-in, QWERTY keypad (portrait mode) or keyboard (landscape mode). Using the QWERTY keypad/keyboard, you can type letter, numbers, punctuation, and other characters.

The Samsung keyboard is the default setting on the phone.

To use the Samsung keypad you must first configure the settings for the Samsung keypad.



1. From a Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Samsung keypad**.
2. Touch **Portrait keypad types** and select a text input method:
 - Qwerty Keypad
 - 3x4 Keypad
 - Handwriting box 1
 - Handwriting box 2
3. Touch **Input languages** and touch **Automatic**, or touch one of the language types.
4. Touch **XT9** to use XT9 Predictive text method. For more information refer to the XT9 Advanced Settings.
5. Touch the **Keypad sweeping** field if you want to sweep the keypad and change from ABC to ?123 mode.

6. Touch the **Auto-capitalization** field to automatically capitalize the first letter of a sentence.
7. Touch the **Handwriting settings** field and select the speed of response of the Samsung Handwriting keypad. You can also access an explanation of Handwriting keypad use.
8. Touch **Voice input** to enable/disable text input by speaking.
9. Touch **Auto-full stop** to enable/disable automatic addition of periods at the end of sentences.
10. Touch the **Tutorial** field to view a short tutorial on use of the Samsung keyboard.

XT9 Advanced Settings

The following XT9 Advanced settings are available when the XT9 field is selected.

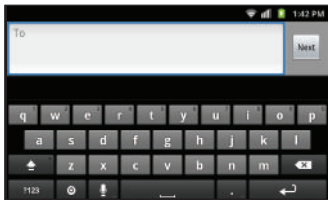
1. Touch the **XT9** field to select XT9 (predictive text) mode, then touch **XT9 advanced settings**.
2. Touch the **Word completion** field to enable word completion. Your phone predicts how to complete the word typed.

3. Touch the **Word completion point** field then touch **2 letters**, **3 letters**, **4 letters**, or the **5 letters** radio button. Word completion begins after 2 or more (depending on your selection).
4. Touch the **Spell correction** field. This option corrects typographical errors by selecting from a list of possible words that reflect the characters of the keys you touched as well as the characters of nearby keys.
5. Touch the **Next word prediction** field to enable word prediction.
6. Touch the **Auto-append** field to automatically add predictions.
7. Touch the **Auto-substitution** field to automatically replace words that you are typing. This option assists with correcting misspelled words.
8. Touch the **Regional correction** field. This option sets the device to automatically correct mistyped words according to normal spelling for your region.
9. Touch the **Recapture** field. This option sets the device to re-display the word suggestion list when you select the wrong word from the list.
10. To add a new word to the T9 dictionary:
Touch the **XT9 my words** field, then press  **Menu** → **Add**. Enter the new word in the Register to XT9 my words field, then touch **Done**.
11. Touch **XT9 auto-substitution** to add words to substitute (for example youve becomes you've). A list of substitutions displays.
12. If you do not see the substitution you want, press  **Menu** → **Add**, then input the Shortcut word and Substitution word.
13. Touch **Done**.

Entering Text Using the Android Keyboard



The Android Keyboard is a custom virtual QWERTY keyboard, featuring predictive text. Input characters by tapping the on-screen keys with your finger, or use speech recognition.

As you enter characters, predictive text matches your key touches to common words and displays them. Select a word from the display to insert it into your text.



Configuring Android Keyboard

Configure the Android Keyboard to your preferences.

- For more information, see “*Android keyboard*” on page 131.
- While entering text, touch and hold  or , then touch **Android keyboard settings**.

Tip: To customize predictive text, configure the User dictionary settings. For more information, see “*User dictionary*” on page 129.



Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching the Shift key to toggle the case, before touching the letter key(s).

- Touch once to switch from abc to Abc mode
- Touch and hold to switch to ABC mode

Entering Symbols and Numbers

To enter common symbols, touch  to switch to symbol mode, then touch the corresponding key.

To enter less-common symbols, touch  → , then touch the corresponding key.

Enter numbers by touching , then touching the number keys.

Using Android Speech Recognition

Enter text by speaking. Android Keyboard recognizes your speech and enters text for you.

Note: Enable Speech Recognition in Android Keyboard settings. For more information, see “*Android keyboard*” on page 131.

- Touch the  **Speech Recognition Key**.

Section 6: Messaging

This section describes how to send and receive messages, and other features associated with messaging.

Types of Messages

Your phone supports these types of messages:


- **Text messages:** Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages:** Send and receive text messages with pictures and/or sound to other mobile phones or email addresses (also known as MMS).
- **Mobile IMs:** Exchange Instant Messages to users of popular messaging sites.
- **Email:** Send and receive email from your email accounts, including Corporate Exchange mail.
- **Gmail:** Send and receive Gmail from your Google account.
- **Google Talk:** Chat with other Google Talk users.

Note: Messaging service availability depends on your network and service plan. Multimedia Messaging charges apply per your Calling Plan. Monthly plans are available. Higher rates apply for International Multimedia Messaging (when available). Compatible Device required.

Text and Multimedia Messaging



Your phone can send and receive text and multimedia messages to other mobile phones and to email addresses.

Creating and Sending Messages

1. From a Home screen, touch  **Messaging** → **New message**.
2. If needed, display the on-screen keyboard by tapping the **To** field.
3. Enter the recipient's name, phone number, or email address.

Note: As you enter a name, phone number or email address, matching contacts appear on the screen. Touch a contact to add it to the list, or continue entering characters.

Tip: If you are creating a message with the phone in portrait mode, touch **Recent** to choose a recent recipient, touch **Contacts** to select contacts, or touch **Group** to choose a group for the To list.

4. Touch the **Type to compose** field, or touch  / **Next**, and compose your message. While composing a message, touch  **Menu** for these options:

- **Add subject:** Add a subject field to the message and enter a subject. (This option also converts the message to MMS.)
- **Attach:** Add content to the message to convert it to MMS.
 - **Pictures:** Add a picture.
 - **Capture picture:** Take a new picture.
 - **Videos:** Add a video.
 - **Capture video:** Record a new video.
 - **Audio:** Add a sound clip.
 - **Record audio:** Create a new audio clip.
 - **Slideshow:** Add a slideshow of pictures to this message.
- **Add text:** Select text from Contacts, Calendar, or Memo to add to the message.
- **Insert smiley:** Add a text emoticon to the message.
- **Cancel:** Discard the message.

5. Touch  to send the message.


Managing Messages

Threaded View

Messages you send and receive to the same contact, number or address are grouped together as a “thread”. Threaded messages allow you to see all the messages you exchanged with a contact, or other recipient, with the latest message displayed first.


1. From a Home screen, touch  **Messaging**.
2. Message threads display by contact, number, or address.

While viewing message threads, you have these options:

- Touch and hold a thread to choose from:
 - **View Contact / Add to contacts:** View the contact record, or save the sender/recipient's information as a new contact, or to update an existing contact.
 - **Delete thread:** Erase the entire message thread.
- Touch  **Menu** for these options:
 - **Compose:** Create a new message.
 - **Delete threads:** Touch message threads to mark them for erasure, or touch **Select all** to mark all message threads for erasure.
 - **Search:** Enter characters to search messages and recipient lists.
 - **Settings:** Configure message settings.

Message Settings

Configure message settings.

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

2. Touch  **Menu** → **Settings** to set:

- **Storage settings:**

- **Delete old messages:** Touch to enable or disable automatic erasure of messages when stored message reach default limits. When disabled, the phone will prompt you to delete old messages to make room.
- **Text message limit:** Touch to set a limit for the number of text messages per thread.
- **Multimedia message limit:** Touch to set a limit for the number of multimedia messages per thread.

- **Text message (SMS) settings:**

- **Delivery reports:** Request report of delivery date and time for all messages sent.

- **Multimedia message (MMS) settings:**


- **Delivery reports:** Request report of delivery date and time for all messages sent.
- **Auto-retrieve:** Touch to enable or disable automatic retrieval of MMS messages. When enabled, MMS messages download automatically. When disabled, the phone prompts to download new MMS messages.
- **Roaming auto-retrieve:** Touch to enable or disable automatic retrieval of MMS messages when in Roaming mode. When enabled, MMS messages download and display automatically. When disabled, the phone prompts you to download new MMS messages.

- **Notification settings:**

- **Notifications:** Touch to enable or disable alerts in the status bar.
- **Screen On:** Touch to enable screen on for notification alerts.
- **Select ringtone:** Touch to select a ringtone for message alerts.
- **Vibrate:** Touch to enable or disable vibration for message alerts.

Gmail

Send and receive emails via Gmail, Google's web-based email.


► From a Home screen, touch  **Applications** →



Setting Up Your Gmail Account

The first time you launch Gmail, your phone will prompt you to set up your Google account.

Note: You can use more than one Google account on your phone. To add another account, use the  **Menu** → **Accounts** option.

1. From a Home screen, touch  **Applications** →






2. At the **Set up your Google Account** screen, touch **Next** to begin, then touch an option:

- **Create:** Follow the prompts to create a new account.
- **Sign in:** Enter your Google **Username** and **Password**, then touch **Sign In**.

3. The phone communicates with the Google server to set up your account and synchronize your email. When complete, your Gmail appears in the Inbox.




Refreshing Your Gmail Account

Refresh your account to update your phone from the Gmail servers.

1. From a Home screen, touch  **Applications** →  **Gmail**.
2. Touch  **Menu** → **Refresh**.





Managing Your Gmail Account

Use menu options to manage your Gmail.

1. From a Home screen, touch  **Applications** →  **Gmail**.
2. Touch  **Menu** for these options:
 - **Refresh**: Update your phone from the Gmail servers.
 - **Compose**: Create and send new Gmail.
 - **Accounts**: Choose a Gmail account to display, or add a Google account.
 - **Go to labels**: Go to a Gmail label.
 - **Search**: Enter keywords to search mail.



- **More**:
 - **Settings**: Configure Gmail account settings. For more information, see “*Gmail account settings*” on page 63.
 - **Help**: Launch the Browser to display online help.
 - **About**: View the Gmail software version.

Composing and Sending Gmail

1. From a Home screen, touch  **Applications** →  **Gmail**.
2. Touch  **Menu** → **Compose**.
3. Touch the **To** field to enter recipients. As you enter names or numbers, matching contacts display. Touch a contact to add it to the field.
4. Touch the **Subject** field to enter a subject.
5. Touch **Compose Mail** to enter the text of your email.
6. While composing a message, touch  **Menu** for these options:
 - **Send**: Send the message.
 - **Save draft**: Save a copy of the message in Drafts.
 - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
 - **Attach**: Launch Gallery to select a picture to add to the message.

- **Discard:** Close the message without saving.
 - **Help:** Get Help with using Gmail.
7. Touch **Send** to send the message.

Gmail account settings


1. From a Home screen, touch  **Applications** →  **Gmail**.
2. Touch  **Menu** for these options:
 - **Refresh:** Update Gmail on your phone from the Google servers.
 - **Compose:** Create a new email.
 - **Accounts:** View and choose from your Google account(s).
 - **Go to labels:** Go to a Gmail label.
 - **Search:** Find Gmail items.
3. Touch  **Menu** → **More** for these options:
 - **Settings:**
 - **Signature:** Create a text signature to add to outgoing messages.
 - **Confirm actions:** Have your phone prompt you to confirm selected actions, such as deletions.
 - **Reply all:** Enable or disable Reply all as the default when responding to messages.
 - **Auto-advance:** Select which screen to show after you delete or archive a conversation.
 - **Message text size:** Choose a size for message text to display.

- **Batch operations:** Allow changes to labels on more than one conversation.
 - **Clear search history:** Remove previous searches you have performed.
 - **Labels:** Choose which labels are synchronized.
 - **Email notifications:** When enabled, notifications for new email appears in the Notifications Panel.
 - **Select ringtone:** Choose a ringtone for new email notifications.
 - **Vibrate:** When enabled, the phone will vibrate for new email notifications, along with the ringtone (if a ringtone is selected.)
 - **Notify once:** Enable or disable one-time notification for new email, instead of a notification for every new message.
- **Help:** Get Help with using Gmail.
 - **About:** View information about Gmail.

Google Talk

Chat with other Google Talk users.

Tip: Talk requires that you have a Google account set up on your phone. For more information, see “*Setting Up Your Accounts*” on page 40.

- From a Home screen, touch  **Applications** →  **Talk**.

Note: If you have already set up your Google account, you are automatically logged in. If you do not have a Google account, you can touch **Create** to create a new Google account.

Email



Send and receive email using popular email services.

Note: Only some paid “Plus” accounts include POP access to allow 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. Please launch the Web browser to access your account.

Configuring Email Accounts





You can configure Email for most accounts in just a few steps.

Configuring the first email account



1. From a Home screen, touch  **Applications** →  **Email**.
2. Touch an email provider, or touch **Others**.
3. Touch **Email address** to enter your email address, then touch **Password** or touch **Next** to enter your password.
4. For pre-configured email providers, setup will proceed automatically. For other providers, touch a setup option:
 - **Manual setup:** Configure the account manually. Touch **POP3** or **IMAP**, then enter the account details.
 - **Next:** Connect to the server to set up the account automatically. Follow the prompts to complete set-up, then touch **Done**.

Tip: For more information on setting up your email contact your service provider.


Configuring additional email accounts

1. From a Home screen, touch  **Applications** →  **Email**.
2. Touch  **Menu** → **Accounts**.
3. Touch  **Menu** → **Add account**.
4. Touch an email provider, or touch **Others**.
5. Touch the **Email address** field to enter your email address.
6. Touch the **Password** field or touch **Next** to enter your password.
7. Touch a setup option:
 - **Manual setup**: Configure the account manually. Touch **POP3** or **IMAP**, then enter the account details.
 - **Next**: Connect to the server to set up the account automatically. Follow the prompts to complete set-up, then touch **Done**.

Composing and Sending Email

1. From a Home screen, touch  **Applications** →  **Email**.
2. Touch and hold on an account, then touch **Compose**.
3. Touch the **To** field to enter recipients.


To add one or more Contacts, a Contact Group, or originators of Recent Email messages, touch + → **Contacts** / **Group** / **Recent**, select an addressee, then touch **Add**.

4. Touch the **Subject** field to enter a subject.
5. Touch the text field to enter the text of your email.
6. While composing a message, touch  **Menu** for these options:
 - **Add Cc/Bcc**: Create Cc (copy) and Bcc (blind copy) fields to the message. After creating the fields, touch to enter recipients.
 - **Save as draft**: Close the message and save it in Drafts.
 - **Set priority**: Select Low priority / Normal priority / High priority.
 - **Spell check**: Check the spelling of words in the message text.
 - **Add text**: Add text from a Contact record, from the Calendar, or from a Memo.
 - **Show tool**: A text formatting tool bar appears between the Subject field and the message text field.
7. Touch **Attach** to add a file to the message.
8. Touch **Send** to send the message.

Managing Emails




Combined Inbox

Emails you receive to all accounts are presented in the combined Inbox, or you can view email accounts individually.

1. Touch  **Menu** → **Accounts**.
2. Touch an account, or touch the **Combined Inbox**.

Refreshing Your Email Account




Refresh your account to update your phone from the servers.

1. From a Home screen, touch  **Applications** →  **Email**.
2. Touch  **Menu** → **Refresh**.

Email Account Settings

Use Account settings to configure handling of your email.

Note: Some email accounts may have different, or additional, settings.

1. From a Home screen, touch  **Applications** →  **Email**.
2. Touch an account to view it, then touch  **Menu** → **More** → **Account settings**.
3. Touch fields to configure the account:

- **General settings:**

- **Account name:** Enter a name for the account's display.
- **Default account:** When enabled, this account is the default account for sending email from your phone.
- **Always Cc/Bcc myself:** Choose not to include your Email address on outgoing Email messages or to include your Email address in the Cc box or in the Bcc box.

- **Exchange Sync settings:**

- **Amount to synchronize:** Choose to synchronize All Email messages or 1 day, 3 days, 1 week, 2 weeks, or 1 month of Email messages.
- **Empty Server Trash:** Select to empty the Exchange server Trash folder.
- **Sync schedule:** Choose when to synchronize your phone with the Exchange server.
- **Out-of-office Settings:** When enabled, responds to incoming Email from internal and external addresses by sending pre-composed Email messages explaining that you are out-of-office.
- **Size to retrieve emails:** Choose to retrieve only the Headers of Email messages, Half of each message, or the first 1 KB, 2KB, 5 KB, 10 KB, 20 KB, 50 KB, 100 KB, or all of the message.
- **Security policies:** Review security settings sent by the server.

- **Notification settings:**


- **Email notifications:** Enable or disable alerts in the Status Bar.
- **Select ringtone:** Choose a ringtone to use for new email alerts.
- **Vibrate:** Enable or disable vibration with new email alerts.

- **Server settings:**
 - **Exchange server settings:** Change Domain, Username, Password, and Exchange server settings.
 - **Sync Email:** When enabled, synchronizes your your Exchange Email messages with the Email messages on your phone.
 - **Sync contacts:** When enabled, synchronizes your Exchange contacts with your phone's Contacts.
 - **Sync calendar:** When enabled, synchronizes your Exchange contacts with your phone.
- **Signature settings:**
 - **Add signature:** When enabled, sends a signature with Email messages.
 - **Signature:** Change the pre-composed text signature to be included with Email messages.
- **Common settings:**
 - **Confirm Email Delete:** When enabled, prompts you to confirm deletion of an Email message.

Section 7: Web and Social Networking

YouTube

View and upload YouTube videos, right from your phone.


- ▶ From a Home screen, touch  **Applications** →



YouTube.

Browser (Google)

Your phone is equipped with a full HTML Browser, which allows you to access the internet.




- ▶ From a Home screen, touch  **Applications** →



Browser.

Navigating the web

Command Keys

- Touch  **Back** to return to the previous page.
- Touch and hold  **Back** to display a list of recent pages.
- To go forward, touch  **Menu** → **Forward**.

Touching and dragging

- Touch and drag your finger on the screen to navigate pages, and to reposition pages within the screen.

Entering text in a field

- While browsing, touch a text field to display the virtual QWERTY keyboard to enter text.

Zoom

- Tap the screen twice to zoom in or out.



Selecting items on a page

While browsing pages, use gestures and menus to navigate links on pages:

- Touch an item to select it.
- Touch a hyperlink to follow the link.
- Touch and hold on a hyperlink for these options:
 - **Open:** Go to the linked page.
 - **Open in new window:** Open a new window to display the linked page.
 - **Bookmark link:** Add a bookmark to linked page (without loading it).
 - **Save link:** Save the linked page to Download history.
 - **Share link:** Send the link via Bluetooth, Email, Gmail, or Message.
 - **Copy link URL:** Save the link's URL to the clipboard.







Entering a URL

Access a website quickly by entering the URL.

1. From a Home screen, touch  **Applications** →  **Browser**.
2. Touch the **URL** field at the top of the screen, then enter the URL using the virtual QWERTY keyboard.
3. As you enter characters, potential matches display. Continue entering characters, or touch a match to complete the URL.
4. Touch **Go** to load the page.

Using Browser Windows




You can have up to eight windows open at one time, switching between windows.

1. From a Home screen, touch  **Applications** →  **Browser**.
2. To open a new window, touch  **Menu** → **New window**.
3. To switch to another open window, touch  **Menu** → **Windows**. Touch a window to display it.
4. To close a window, touch  **Menu** → **Windows**. Touch  **Close** beside a window to close it.

Using Bookmarks


While browsing, bookmark a site to quickly access it later.

Creating a bookmark

1. From a Home screen, touch  **Applications** →  **Browser**.
2. Browse to the desired website, then touch  **Bookmarks** next to the **URL** field.
3. The new website is displayed as a thumbnail with the command **Add**. Touch the bookmark to add it.
4. At the **Add bookmark** prompt, confirm the Name and Location for the bookmark, then touch **OK** to save the bookmark.

Accessing bookmarks and history

Launch a bookmarked page, or reload recent pages.

1. From a Home screen, touch  **Applications** →



Browser.

2. Touch  **Menu** →  **Bookmarks.**

3. On the **Bookmarks** tab, use these options:

- Touch a bookmark to load the page.
- Touch and hold on a bookmark for these options:
 - **Open:** Launch the bookmarked page.
 - **Open in new window:** Open the linked page in a new window.
 - **Edit bookmark:** Modify the URL.
 - **Add shortcut to Home:** Create a bookmark on the Home screen.
 - **Share link:** Send the link via Bluetooth, Gmail, or Messaging.
 - **Copy link URL:** Save the link's URL to the clipboard.
 - **Delete bookmark:** Remove the bookmark.
 - **Set as homepage:** Assign the bookmarked link as the home page.
- Touch  **Menu** → **List view** to view bookmarks as a list.

4. On the **Most visited** tab, use these options:

- Touch a page to reload it.
- Touch the star next to a page to bookmark it.
- Touch and hold on a page for these options:

- **Open:** Launch the web page.
- **Open in new window:** Launch the web page in a new window.
- **Add bookmark/Remove from bookmarks:** Bookmark the page, or remove the bookmark for this page.
- **Share link:** Send the page's URL via Bluetooth, Gmail, or Messaging.
- **Copy link URL:** Copy the page's URL to the clipboard for pasting.
- **Remove from history:** Remove the record of this page.
- **Set as homepage:** Set this page as the default first page when opening the Browser.



5. On the **History** tab, use these options:

- Touch a page to load it.
- Touch the star next to a page to bookmark it.
- To clear the history, touch  **Menu** → **Clear history.**
- Touch and hold on a page for these options:
 - **Open:** Launch the web page.
 - **Open in new window:** Launch the web page in a new window.
 - **Add bookmark/Remove from bookmarks:** Bookmark the page, or remove the bookmark for this page.
 - **Share link:** Send the page's URL via Bluetooth, Gmail, or Messaging.
 - **Copy link URL:** Copy the page's URL to the clipboard to paste in another location.
 - **Remove from history:** Remove the record of this page.
 - **Set as homepage:** Set this page as the default first page when opening the Browser.

Copying Fields or Text

Copy information from a web page to the clipboard for pasting.

Copying text

1. From a Home screen, touch  **Applications** →  **Browser**.
2. Browse to the desired website.
3. On the web page, touch and hold on the text to enable text selector, then touch and drag the text selector to highlight selected text. When you lift your finger, the **Copy-Search-Share** pop-up appears.
4. Touch **Copy**.
5. To paste the copied text, navigate to the desired field (or to another application), then touch and hold in a text field and touch **Paste**.


Copying a hyperlink or URL

1. From a Home screen, touch  **Applications** →  **Browser**.
2. Browse to the desired website.
3. Touch and hold on the URL in the URL field, then choose an option from the pop-up menu:
 - **Share page**: Send the link via Bluetooth, Gmail, or Messaging.

- **Copy page url**: Save the link's URL to the clipboard.

Browser Menu

While viewing a web page, touch  **Menu** for these options:

- **New window**: Open a new browser window. The previous browser windows remain open in the background (use the Windows option to switch between windows).
- **Windows**: Switch between windows, or open a new window.
- **Refresh**: Update the current page's content from the server.
- **Add bookmark**: Create a bookmark for the current page.
- **Forward**: Move forward to a previously-viewed page.
- **More**:
 - **Brightness Setting**: Adjust the screen brightness, if the Brightness setting is not set to Automatic.
 - **Add shortcut to Home**: Add a Browser shortcut to the Home screen panel with a link to this web page.
 - **Add RSS feeds**: Subscribe to RSS feed(s) for viewing with the Browser.
 - **Find on page**: Search for content on the current page.
 - **Page info**: View information about the current page, including the URL.
 - **Share page**: Send the current page's URL via Bluetooth, Facebook, Gmail, Messaging.
 - **Downloads**: View a list of downloads. While viewing downloads, touch  **Menu** for access to **Sort by size** / **Sort by time** option.
 - **Settings**: Customize the Browser (see Browser Settings).

Browser Settings

1. From a Home screen, touch  **Browser**.

2. Touch  **Menu** → **More** → **Settings**:

• Page content settings

- **Default zoom:** Choose a default zoom level for web pages.
- **Open pages in overview:** When enabled, displays an overview of newly-opened pages.
- **Text encoding:** Choose a default character set for web pages.
- **Block pop-up windows:** When enabled, blocks pop-up windows.
- **Load images:** When enabled, images are automatically loaded when you visit a page. When disabled, images are indicated by a link, which you can touch to download the picture.
- **Auto-fit pages:** When enabled, the browser automatically sizes web pages to fit your phone's display.
- **Landscape view only:** When enabled, Browser displays all pages in the wider landscape orientation (rotate your phone counterclockwise to view pages in landscape mode).
- **Enable JavaScript:** When enabled, Browser will automatically run JavaScript scripts on pages you visit.
- **Enable plug-ins:** When enabled, Browser will automatically load and run plug-ins on pages you visit.
- **Open in background:** When enabled, new windows open behind the current window.
- **Set home page:** View and set the default first page that displays when you launch Browser.

– **Default storage:** Select Phone memory or Memory card to store Browser files.

• Privacy settings

- **Clear cache:** Delete content and databases stored on the phone.
- **Clear history:** Delete the list of previously-visited pages.
- **Accept cookies:** When enabled, allows Browser to save and read cookie information used by web pages.
- **Clear all cookie data:** Delete cookie information saved to the phone.
- **Remember form data:** When enabled, stores information you enter into forms to make future forms easier.
- **Clear form data:** Deletes saved form information.
- **Enable location:** When enabled, sites you visit can request access to your location.
- **Clear location access:** Clear location access for all web sites.

• Security settings

- **Remember passwords:** When enabled, saves usernames and passwords for sites you visit, to make future visits easier.
- **Clear passwords:** Clear all saved usernames and passwords.
- **Show security warnings:** When enabled, Browser will warn you if there is a problem with a site's security.

• Advanced settings


- **Select search engine:** Elect to use Google or Yahoo! to search the Web.
- **Website settings:** View and manage settings for individual websites.

- **Reset to default:** Clear all browser data and reset all settings to the factory defaults.
- **Select Mode:** Choose Android or Desktop.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

Note: You must enable location services to use Maps, and some features require Standalone or Google location services. For more information, see “*Location & security*” on page 121.

- From a Home screen, scroll the screen to panel 3, then touch  **Maps**.

Navigating the Map

Zooming

- Double-tap on the screen to zoom in.
- Touch Zoom in or Zoom out.




Scrolling

- **Touch and drag** on the screen to reposition the map in the display.

Touch

- **Touch and hold** on an area of the map to display pop-up information about the location.
- **Touch** a pop-up for these options:
 - **What's nearby:** Display nearby points of interest.
 - **Search nearby:** Enter search criteria to find nearby points of interest.
 - **Share this place:** Allows you to share this information by sending through Twitter, Facebook, Messaging, send to a Bluetooth device, Gmail.
 - **Report a problem:** Send an error report to Google Maps.

Maps Menu

1. From a Home screen, touch  **Applications** →  **Maps**.
2. While viewing a map, touch  **Menu** for these options:
 - **Search:** Enter text criteria to find locations or points of interest.
 - **Directions:** Get driving, public transport, or walking directions.
 - **Starred Places:** Remove favorite places
 - **Clear Map:** Remove search results from the map.
 - **Latitude:** Use the Google Latitude service to share locations and status with other Google Latitude users.



- **More:**
 - **Labs:** Access experimental features.
 - **Cache Settings:** Select Prefetch on mobile to preload map tiles, even when not on Wi-Fi, to speed map display. Select Clear map tile cache to erase map tiles from cache memory.
 - **Help:** Display a searchable Google Mobile Help screen.
 - **Terms, Privacy & Notices:** Display legal information.
 - **About:** Displays information about Google Maps.

Section 8: Music

Music Player

Music Player plays songs from an optional installed memory card.

Playing Music

1. From a Home screen, touch  **Applications** →  **Music Player**.
2. Music Player scans your memory card and displays your songs on the **All**, **Playlists**, **Albums**, **Artists**, or **Genres** tabs.
3. Touch a song or playlist to begin playback.



4. During playback, use the sound and playlist controls:

- **Volume**: Touch to activate on-screen volume control, then touch and drag on the scale to set volume. You can also press the Volume Key on the side of the phone to adjust playback volume.
- **Shuffle**: When enabled, songs play in random order. When disabled, songs play in the order they appear in List view.
- **Repeat**: Touch to repeat the current song, repeat all songs, or disable repeat mode.
- **List / Now Playing**: Touch **List** to switch to a list view of songs. Touch **Now Playing** to display the current song title and details.
- **5.1 Channel Mode**: When listening with optional headphones, touch to enable 5.1 Channel Mode for stereo sound.
- **Playback controls**:
 - Touch **▶▶** to advance to the next song. Touch and hold **▶▶** to scan forward through the current song.
 - Touch **◀◀** to go back to the previous song. Touch and hold **◀◀** to scan backward through the current song.
 - Touch **⏸** to pause playback. Touch **▶** to resume playback.

Tip: When you're playing music in the background, playback controls are available in the Notification Panel. For more information, see "Notification Panel" on page 21.

Disc view

When you rotate the phone, you can choose Disc view to view disc artwork during playback, and control playback.



1. To switch to Disc view, touch **Menu** → **Go to Disc view**.
2. In Disc view, you can use these controls:
 - Slide your finger across the screen to scroll through songs.
 - Touch a disc to play the song.
 - Touch **||** to pause playback. Touch **▶** to resume playback.
 - Touch the arrow at the top of the screen to switch to Organizer view.
 - Touch **↶ Back** to return to the default Music Player screen.




Organizer view

From Disc view, switch to Organizer view to view and select songs alphabetically, sorted by Playlist, Album, Artist, or Genre.





1. To go to Organizer view, touch **Menu** → **Go to Disc view**, then touch the arrow at the top of the screen.
2. In Organizer view, you can use these controls:
 - By default, Organizer view displays all songs. Touch **All** at the top left corner to choose songs by **Playlists**, **Albums**, **Artists**, or **Genres**.
 - Slide your finger around the dial to scroll through songs.
 - Touch a song in the center of the dial to play the song.
 - Touch **||** to pause playback. Touch **▶** to resume playback.
 - Touch the double arrow in the dial to switch to Disc view.
 - Touch **↶ Back** to return to the default Music Player screen.

Creating a Playlist




1. From a Home screen, touch  **Applications** →  **Music Player** → **Playlists**.
2. Touch  **Menu** → **Create**, then touch the name field to enter a name for the playlist.
3. Touch **Save** to save the new playlist.

Adding Songs to Playlists

Adding a single song to a playlist



1. From a Home screen, touch  **Applications** →  **Music Player**.
2. Touch and hold on a song, then choose **Add to playlist** from the pop-up menu.
3. Choose one of these options:
 - Touch a playlist to add the selected song to the playlist.
 - Touch **Create playlist** to create a new playlist and add the selected song to it.

Adding multiple songs to a playlist

1. From a Home screen, touch  **Applications** →  **Music Player**.
2. Touch  **Menu** → **Add to playlist**.
3. Touch songs to select them, or touch **Select all**. When selected, a checkmark appears in the checkbox.
4. Touch **Add**, then select a playlist, or touch **Create playlist** to create a new playlist.

Setting a Song as a Ringtone



You can set a song as a ringtone for all voice calls, for calls from an individual contact, or as an alarm tone.

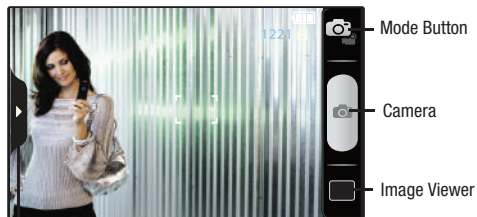
1. From a Home screen, touch  **Applications** →  **Music Player**.
2. Touch and hold on a song, then touch **Set as** and choose from these options:
 - **Voice call ringtone**: Set the song as the default ringtone for all incoming voice calls.
 - **Caller ringtone**: Choose a contact to set the song as the ringtone for calls from the contact.
 - **Alarm tone**: Set the song as the alarm ringtone for a new alarm, or for an existing alarm.

Section 9: Pictures and Video

Camera

Use your phone's built-in Camera to take pictures and record video.




- From a Home screen, touch  **Applications** →  **Camera**.



Options tab





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.





Taking Pictures

1. From a Home screen, touch  **Applications** →  **Camera**.
2. Using the display as a viewfinder, compose your picture by aiming the lens at the subject.
 - Touch the screen to focus the camera on the area you touched.
 - Press the **Volume Key** to zoom in or out.
 - To configure settings, see “*Camera Options*” on page 79.
3. To take the picture, touch the **Camera** button.
4. After taking a picture, touch **Image Viewer** to view the picture. While viewing the picture, use these options:
 - Touch the zoom icons to zoom incrementally, or double-tap on the picture to zoom all the way in or out.
 - Touch **Delete** to erase the picture.
 - Touch **Share** to send the picture via **AllShare**, **Bluetooth**, **Gmail**, **Messaging**, or **Picasa**.
 - Touch **Set as** to assign the picture as a contact icon, or as wallpaper.
 - Touch  **Back** to return to the Camera to take more pictures.

Camera Options

Configure the camera.

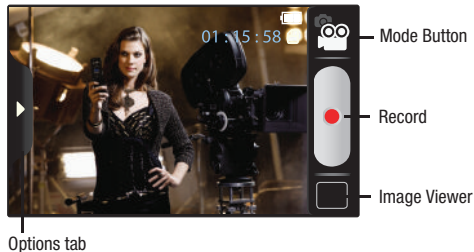
- ▶ While in Camera mode, touch the **Options** tab to configure:
 -  **Shooting mode:** Choose an automatic shooting mode, from:
 - **Single shot:** Take a single photo.
 - **Smile shot:** Touch the Camera button to automatically focus on the subject's face and take the picture.
 - **Panorama:** Touch the Camera button to take a picture, then use the on-screen guideline to move the viewfinder and take the next 7 shots automatically.
 - **Beauty:** Adjust the contrast to smooth facial features.
 - **Continuous:** Touch and hold the Camera button to take 9 consecutive pictures.
 - **Vintage:** Add a vintage effect to photos.
 - **Add me:** Take one picture, then use the on-screen guideline to compose and take a second picture, to combine into one.
 - **Cartoon:** Apply a cartoon effect to pictures.
 - **Action shot:** Detects action to automatically take multiple pictures to create a panorama.
 -  **Flash:** Choose Off, On, or Auto flash.
 -  **Exposure value:** Choose a value to set the brightness of the picture.
 -  **Timer:** Set a delay before taking a picture (Off, 2 sec, 5 sec, or 10 sec).

-  **Settings** →  **Camera**
 - **Outdoor visibility:** Enable to enhance screen visibility.
 - **Focus mode:** Choose a type of automatic focus.
 - **Scene mode:** Choose a mode to match conditions.
 - **Resolution:** Choose a size for the image.
 - **White balance:** Choose a setting for the light source.
 - **Effects:** Apply an effect to pictures.
 - **ISO:** Choose a setting for imaging sensitivity.
 - **Metering:** Select a method for measuring light.
 - **Anti-Shake:** Enable Anti-Shake to minimize camera.
 - **Auto contrast:** Allow automatic light/dark adjustment.
 - **Blink detection:** Detect a subject's blinks and adjust the timing of the picture capture to avoid closed eyes in the shot.
 - **Image quality:** Choose a quality setting for photos.
 - **Adjust:** Set Contrast, Saturation, and Sharpness.
-  **Settings** →  **Settings**
 - **Guidelines:** Enable or disable an on-screen grid to aid in photo composition.
 - **Review:** Enable or disable the instant review feature, to display images immediately after capture.
 - **GPS tag:** Save location information with a photo.
 - **Shutter sound:** Select a tone to play when the camera's shutter opens and closes.
 - **Reset:** Set all Camera settings to the defaults.

Camcorder




Use your phone's built-in Camcorder to record high-definition video in 720p resolution.

- From a Home screen, touch  **Applications** →  **Camera** →  **Mode**.











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

Capturing Video

1. From a Home screen, touch  **Applications** →  **Camera** → **Camcorder**.
2. Using the display as a viewfinder, compose your shot by aiming the lens at the subject.
 - Press the **Volume Key** to zoom in or out.
 - To configure settings, see “*Camcorder Options*” on page 81.
3. To start recording, touch the **Record** button. During recording, the button changes to **Pause**; touch **Pause** to temporarily stop recording. To resume recording, touch **Record** again.
4. To stop recording, touch the **Stop** button.
5. After recording, touch **Image Viewer** to view the video. While viewing the video, use these options:
 - Double-tap on the video to zoom all the way in or out.
 - Touch **Share** to send the video via **AllShare, Bluetooth, Gmail, Messaging, or YouTube**.
 - Touch **Play** to review the video.
 - Touch **Delete** to erase the video.
 - Touch  **Back** to return to the Camcorder to record more videos.

Camcorder Options





Configure the camcorder.

- ▶ While in Camcorder mode, touch the **Options** tab:
 -  **Recording mode:** Choose a recording mode, from:
 - **Normal:** Record a video of any length.
 - **Limit for MMS:** Record a video up to 450K in size, suitable for sending in a Video message.
 -  **Flash:** Choose Off or On.
 -  **Exposure value:** Choose a value to set the brightness.
 -  **Timer:** Set a delay before starting recording.
 -  **Settings** →  **Camcorder:**
 - **Outdoor visibility:** Enable to enhance screen visibility.
 - **Resolution:** Choose a size for the recording.
 - **White balance:** Choose a setting for the light source.
 - **Effects:** Apply an effect to videos.
 - **Video quality:** Choose a quality setting for videos.
 - **Adjust:** Set Contrast, Saturation, and Sharpness.
 -  **Settings** →  **Settings**
 - **Guidelines:** Enable to display a grid to aid in video composition.
 - **Audio recording:** Enable to record sound along with video.
 - **Review:** Enable or disable the instant review feature, to display videos immediately after recording.
 - **Reset:** Set all Camcorder settings to the defaults

Video Player

Your phone's 4-inch 800x400 Super AMOLED screen plays HD videos up to 720p, supporting H.263, H.264, MPEG4, 3GP, 3G2 (v9), and Xvid formats. Your phone is also DivX Certified® to play DivX® video up to HD 720p, including premium content.

Use Video Player to view and manage videos stored on an installed memory card, or shop for new videos.

1. From a Home screen, touch  **Applications** →  **Video Player.**
2. By default, videos display by name. While viewing the list of videos, touch  **Menu** for these options:
 - **Remove:** Touch videos to select them for deletion, or touch Select all to delete all videos.
 - **List by:** Display the list of videos by Size, Name (default), Date, or Type.
3. Touch a video to play it. While playing a video, touch the screen to display or hide on-screen Forward, Pause, and Backward playback controls.
4. While playing a video touch  **Menu** for these options:
 - **Share video:** Send the video to recipients using **AllShare**, **Bluetooth**, **YouTube**, **Messaging**, **Email**, or **Gmail**.

- **Details:** Shows File name, Format, Resolution, File size, Date & Time, and Forwarding capability for a video.
- **Add bookmark:** Place a marker in the video, to view later.
- **Bookmarks:** Display markers from the video.
- **Via Bluetooth:** Send the video to another device over a Bluetooth connection.
- **Settings:** Choose Repeat, Brightness, Colour tone, and Outdoor visibility settings.



Gallery

Your phone's 4-inch 800x400 Super AMOLED screen provides high-resolution display of:




- Pictures, including JPEG, PNG, GIF, A-GIF, WBMP and BMP formats.
- HD videos up to 720p, including H.263, H.264, MPEG4, 3GP, 3G2 (v9), Xvid formats. DivX Certified® to play DivX® video up to HD 720p, including premium content

Use Gallery to view, capture, and manage pictures and videos.




Note: You must have an optional memory card installed in your phone to take pictures or capture video. For more information, see “Memory Card” on page 13.

- From a Home screen, touch  **Applications →**
 **Gallery.**

Viewing Videos





1. From a Home screen, touch  **Applications →**
 **Gallery.**
2. Touch a category, then touch a video to play it.
3. While viewing a video, touch  **Menu** for these options:
 - **Share video:** Send the video to recipients using **AllShare**, **Bluetooth**, **YouTube**, **Messaging**, **Email**, or **Gmail**.
 - **Details:** Shows File name, Format, Resolution, File size, and Date & Time for a video.
 - **Via Bluetooth:** Send the video to another device over a Bluetooth connection.

Viewing Pictures




1. From a Home screen, touch  **Applications** →  **Gallery**.
2. Touch a category, then touch a picture to view it.
3. While viewing a picture, tap on the the screen or touch  **Menu** for options:
 - **Share:** Share the selected picture via **AllShare, Picasa, Email, Bluetooth, Messaging, or Gmail**.
 - **Delete:** Erase the picture.
 - **More:**
 - **Details:** Display information about the picture.
 - **Set as:** Assign the picture as a Contact icon, or as Wallpaper.
 - **Crop:** Drag the edges of the crop tool to select an area of the picture, then touch **Save** to save just the selected area, removing the rest of the picture.
 - **Rotate left:** Change the orientation of the picture.
 - **Rotate right:** Change the orientation of the picture.

Sharing pictures and video




Share pictures and videos using Bluetooth, YouTube, Picasa, Messaging, Email, or Gmail.

1. From a Home screen, touch  **Applications** →  **Gallery**.
2. Touch a category to display thumbnails, then select items for sharing:
 - To select an entire category, touch  **Menu** while viewing categories, then touch the category to select all pictures in the category.
 - To select multiple pictures or videos from a category, touch  **Menu** while viewing the thumbnails. Touch thumbnails to mark them for sharing, then touch **Share**.
3. Touch **Bluetooth, YouTube, Picasa, Messaging, Email, or Gmail**.

Setting a Picture as a Contact Icon

1. From a Home screen, touch  **Applications** →  **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch  **Menu** → **More** → **Set as** → **Contact icon**.
4. Select a contact, or create a new contact, with the selected picture as the contact's icon.

Setting a Picture as Wallpaper

1. From a Home screen, touch  **Applications** →  **Gallery**.
2. Touch a category, then touch a picture to select it.
3. Touch  **Menu** → **More** → **Set as** → **Wallpaper**.
4. Use the crop tool to edit the picture, then touch **Save** to set the edited picture as the Home screen wallpaper.

Section 10: Connections

Your phone includes features to connect to the internet and to other devices, via Wi-Fi, Bluetooth, VPN and Dial Up Networking.

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks. Use your phone's Wi-Fi feature to:

- Access the internet for browsing, or to send or receive email.
- Access your corporate network.
- Use hotspots provided by hotels or airports while traveling.

Wi-Fi communication requires access to an existing Wireless Access Point (WAP). WAPs can be Open (unsecured, as with most hotspots), or Secured (requiring you to provide login credentials). Your phone supports the 802.11 b/g/n Wi-Fi protocol.

Configuring Wi-Fi Settings

Configure your phone's Wi-Fi settings. For more information, see *"Wi-Fi Network Settings"* on page 108.

Turning Wi-Fi On or Off

Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range WAPs (Wireless Access Points).

Turning Wi-Fi On

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.

Turning Wi-Fi Off

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi Off.

Scanning and Connecting to a Wi-Fi Network

When you turn on Wi-Fi, your phone searches for available Wi-Fi connections, then displays them on screen.

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. When your phone completes a scan, touch a Wi-Fi network to connect.
 - If the Wi-Fi network is open, you will be automatically connected.
 - If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Wi-Fi** to turn Wi-Fi On.
3. On the pop-up Wi-Fi settings menu, touch **Add network**, then enter these fields:
 - **Network SSID**: Enter the name of the Wi-Fi Wireless Access Point.
 - **Security**: Select the type of security used by the WAP.
 - **Password or Key**: If the WAP is secured, enter the password or hex key.

Mobile AP

Use Mobile AP to share your phone's 3G internet connection with a PC or other device through Wi-Fi, using your phone as the mobile hotspot.

Note: Mobile AP consumes battery power and uses data service.

To use Mobile AP, you need the Mobile AP feature from your wireless provider. There is a monthly charge for the Mobile Hotspot feature, and all data used by connected devices will apply to the customer's data allowance. Contact Verizon Wireless for more information.



Configuring Mobile AP Settings

Configure your phone's Mobile AP settings, including your phone's name and password, security, and visibility of your phone's Mobile AP.

For more information, see *"Mobile AP Settings"* on page 109.

Turning On Mobile AP

Activate your phone's Mobile AP application to allow other devices to use your phone's 3G internet connection.

1. From the Home screen, select  **Applications** →  **Mobile AP**.
2. Touch **Mobile AP** to turn the service on. Read the information about Mobile AP, then touch **Continue** to proceed.
3. Mobile AP consumes battery power. Read the information about battery usage, then touch **Turn on Mobile Hotspot** to proceed.
4. Your phone establishes a connection to the network for the mobile hotspot service.
5. When you are finished using Mobile Hotspot, touch **Mobile AP** to turn the service off.

Connecting a Device via Mobile AP

Use the other device's Wi-Fi control to connect to your phone's Mobile AP.

Tip: In order for other devices to connect to your Mobile AP, you can set your device to allow all devices to connect, or add the device

1. Activate Mobile AP on your phone. For more information, see *"Turning On Mobile AP"* on page 87.
2. Activate Wi-Fi on the device, using the device's Wi-Fi control.
3. On the other device, scan for Wi-Fi hotspots, and select your phone from the list.

Tip: Your phone's default Name (SSID) and Password are displayed on the screen. For more information, see *"Mobile AP Settings"* on page 109.

4. At the prompt on the other device, enter your phone's Mobile Hotspot password.

Bluetooth

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet.

You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Configuring Bluetooth Settings

Configure your phone's Bluetooth settings. For more information, see *"Bluetooth settings"* on page 111.

Note: Bluetooth profiles are specifications for services supported by individual devices. For a list of profiles your phone supports, see *"Bluetooth profiles"* on page 110.

Turning Bluetooth On or Off

Turning Bluetooth On

1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth on.

Turning Bluetooth Off


1. From the Home screen, sweep your finger downward to display the Notification Panel.
2. Touch **Bluetooth** to turn Bluetooth off.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your phone and the device.

Note: After pairing, your phone and the target device will recognize each other and exchange information without having to enter a passcode or PIN.

When paired, the  **Bluetooth Paired** icon displays in the Annunciator Line.


1. From a Home screen, touch  **Menu** → **Settings** → **Wireless & networks** → **Bluetooth settings**.
2. Touch **Bluetooth** to turn on Bluetooth.
3. Activate the target device's discoverable mode.
4. Touch **Scan devices**.
5. From the list of scanned devices, touch the target device, then follow the prompts to complete the pairing:
 - If the target device requires a PIN, enter a PIN for the target device and touch OK. When prompted, enter the PIN on the target device.

Tip: Some devices use a default passcode of 0000. Refer to the target device's user manual for more information.

- If the device allows automatic or smart pairing, your phone will attempt to pair with the phone automatically. Follow the prompts on your phone and the target device to complete the pairing.

Airplane mode


When active, this option disables all wireless connections, voice as well as data.

- ▶ From a Home screen, touch  **Menu** → **Settings** → **Wireless & networks** → **Airplane mode**.

When active, a check appears in the checkbox.

Tethering

Use Tethering to share your device's 3G internet connection with another device that connects to your device via USB cable.

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Tethering**.
2. Connect the other device to the phone via USB cable.
3. Touch **USB Tethering** to turn tethering On or Off. When On, a check appears in the checkbox.


VPN

You can use your phone's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings


Configure your phone's VPN settings. For more information, see “VPN settings” on page 112.

Making a VPN Connection

1. From a Home screen, touch  **Menu** → **Settings** → **Wireless & networks** → **VPN settings**.
2. Under **VPNs**, touch a VPN to connect.
3. When prompted, enter your password.

Mobile Networks

Mobile Network settings let you control whether your phone operates outside your home network location and/or whether your phone's data services operate outside your home network location.

- ▶ From a Home screen, touch  **Menu** → **Settings** → **Mobile networks**. The following options are available:
 - **Data Roaming**: Touch to enable or disable data services roaming. When enabled, a check appears in the checkbox.
 - **System select**: Set voice service roaming to **Home only** (disabled) or **Automatic** (enabled).

Memory Card

Your phone supports removable microSD™ or microSDHC™ memory cards of up to 32GB capacity, for storage of music, pictures, videos, and other files.

Installing and Removing a Memory Card


For more information about installing and removing a memory card, see “Memory Card” on page 13.

Important!: To prevent damage to information stored on the memory card, unmount the card before removing it from the phone.

Formatting a Memory Card

Formatting erases all content from the memory card and prepares it for use with your phone.


Formatting a Memory Card using Your Phone

1. From a Home screen, touch  **Menu** → **Settings** → **Storage**.
2. Touch **Unmount SD card**.
3. After unmounting the SD card, touch **Erase SD card**.
4. Follow the prompts to confirm the formatting of the card.

Formatting a Memory Card using Your Computer

For best playback of songs stored on a microSD™ or microSDHC™ memory card, use the PC file system FAT32. Consult your computer and/or memory card reader documentation for information about formatting memory cards.

Transferring Files to a Memory Card



1. From a Home screen, touch  **Menu** → **Settings** → **USB Settings**, then select **Mass Storage**.
2. Attach your phone to the computer with a USB cable. Your phone recognizes the connection and displays **USB connected** in the Annunciator Line and Notifications Panel.
3. Display the **Notifications Panel**, then touch **USB connected**. At the prompt, touch **Connect USB storage** to enable copying of files between your computer and the memory card.
4. At the prompt on the computer, select a transfer method:
 - Open device to view files using Windows Explorer. Drag and drop files from the PC to the memory card installed in your phone.
5. Transfer music files to the memory card. When finished, touch **Stop**, then you can disconnect the USB cable.

Section 11: Applications and Widgets

AllShare

Use AllShare to synchronize your mobile phone with your TV via Wi-Fi to stream content to your TV.

Note: You must activate Wi-Fi to use this application. For more information, For more information, refer to “Wi-Fi” on page 85.

- ▶ From a Home screen, touch  **Applications** →  **AllShare**.



Books

With Google Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

- ▶ From a Home screen, touch  **Applications** →  **Books**.



Browser

Your phone includes a full HTML Browser, to access the internet. For more information about using Browser, see “*Browser (Google)*” on page 68.

- ▶ From a Home screen, touch  **Applications** →  **Browser**.


Calculator

Use your phone's Calculator to perform mathematical calculations.

- ▶ From a Home screen, touch  **Applications** →  **Calculator**.

Calendar

Record events and appointments to manage your schedule.

1. From a Home screen, touch  **Applications** →



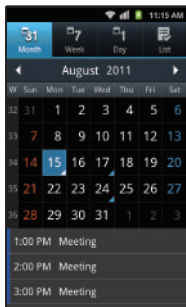
Calendar.

2. Touch a tab to choose a calendar view:


- **Month:** Display the current month and scroll to other months.
- **Week:** Display the current week, and scroll to other weeks.
- **Day:** Display today's schedule, and scroll to other days.
- **List:** Display events in a chronological list.

3. Touch  **Menu** for these options:

- **Search:** Find calendar events.
- **Create:** Add a new event to the calendar.
- **Go to:** Display a specific date.
- **Today:** Display today's events.
- **Delete:** Delete an event.
- **Settings:** Customize the calendar.



Customizing the Calendar

1. From a Home screen, touch  **Applications** →



Calendar.

2. Touch  **Menu** → **Settings** to configure these settings:

• View settings




- **Calendars:** View all your calendars.
- **Calendar sync:** Synchronize calendars from multiple accounts.
- **Default view:** Set the default view when Calendar opens.
- **Day views:** Choose a view for a day's events.
- **First day of week:** Choose a day to begin each week.
- **Hide declined events:** Enable or disable display of events.
- **Lock time zone:** Lock event times and dates to time zone you select.
- **Select time zone:** Select the desired time zone by name or by city name.

• Notification settings

- **Set alerts & notifications:** Set how or whether the Calendar will notify you of pending events (Alert tone, Status bar notification. Off).
- **Vibrate:** Choose a vibration mode (Always, Only in silent mode, Never).
- **Select default ringtone:** Select a ringtone to alert you to pending events.



Sending Events via Bluetooth

Send events as vCalendar files to other Bluetooth devices.

1. From a Home screen, touch  **Applications** →  **Calendar**.
2. Touch an event to display its details.
3. Touch  **Menu** → **Send via**.
4. Follow the prompts to select a paired device, or pair with a new device. For more information, see “*Pairing with a Bluetooth Device*” on page 89.

Camera

Take pictures and record video with your phone's built in Camera. For more information, see “*Camera*” on page 78.

- From a Home screen, touch  **Applications** →  **Camera**.



Car Cradle

The Car Cradle application puts mobility features right at your fingertips, to allow one-touch access to maps, search, and navigation features while connected to an optional car cradle.

- From a Home screen, touch  **Applications** →  **Car Cradle**.

Clock





The Clock application includes these features:

- **Alarm clock:** Create alarms to go off once, or to repeat on specific days.
- **World clock:** Display the time and date in any time zone.
- **Stopwatch:** Record lap times.
- **Timer:** Measure elapsed time.
- From a Home screen, touch  **Applications** →  **Clock**.

Daily Briefing

Use the Daily Briefing widget to monitor the weather, financial information, news, and your schedule, in one convenient application.

Tip: Daily Briefing appears by default on the Home screen, and is available as a Samsung Widget. For information about displaying widgets on the Home screen, see *"Adding Widgets to the Home screen"* on page 26.



1. From a Home screen, touch  **Applications** →  **Daily briefing**.
2. The first time you launch Daily Briefing, touch  **Menu** →  **Settings** to enable or disable each of the following information sources:

- **AccuWeather.com:**
 - **Select city:** Choose cities for weather display on the Home screen.
 - **Auto refresh:** Choose a time interval for automatic refreshing of weather information, or choose None. When the setting is None, touch the refresh icon on the widget to update weather information.
 - **Widget auto scroll:** If you have selected more than one city, the widget will alternate display of information from each of your cities.
 - **Unit:** Select Celsius or Fahrenheit for temperature displays.

- **Yahoo Finance:**
 - **Select stock:** Choose stock(s) to display on the Home screen.
 - **Auto refresh:** Choose a time interval for automatic refreshing of stock information, or choose None. When the setting is None, touch the refresh icon on the widget to update stock information.
 - **Widget auto scroll:** If you have selected more than one stock, the widget will alternate display of information for each stock.
- **AP Mobile News:**
 - **Widget auto refresh:** Choose a time interval for automatic refreshing of news items, or choose None. When the setting is None, touch the refresh icon on the widget to update news items.
 - **Widget auto scroll:** When enabled, news items will automatically alternate in the display.



Desk Cradle

The Desk Cradle application gives you one-touch access to the Alarms, Voice Search, Gallery, Daily Briefing and Music Player applications while connected to an optional desk cradle.

- From a Home screen, touch  **Applications** →  **Desk Cradle**.



Downloads

Lists files you have downloaded to your phone. You can select Internet Downloads or Other Downloads.

- ▶ From a Home screen, touch  **Applications** →  **Downloads**.



Email

Send and receive email using popular email services. For more information, see “*Email*” on page 64.

- ▶ From a Home screen, touch  **Applications** →  **Email**.



Gallery

Use Gallery to view, capture, and manage pictures and videos. For more information, For more information, refer to “*Gallery*” on page 82.

- ▶ From a Home screen, touch  **Applications** →  **Gallery**.

Gmail



Send and receive emails via Gmail, Google’s web-based email. For more information, see “*Gmail*” on page 61.

- ▶ From a Home screen, touch  **Applications** →  **Gmail**.

Google Search

Use Google to search the Web, and for content on your phone, including Amazon Kindle content, Apps, Contacts, Memo, Messaging, and Music Player.

Tip: Google Search is available as a Widget. For information about displaying widgets on the Home screen, see “*Adding Widgets to the Home screen*” on page 24.

- ▶ From the Home screen, select  **Applications** →  **Google Search**.


Latitude

Google Latitude allows you and your friends share locations and status messages with each other. It also lets you send instant messages and emails, make phone calls, and get directions to your friends locations.

Important!: You must sign in to your Google account, enable Wi-Fi, and enable the Location feature before you can use this application. For more information, refer to “*Wi-Fi*” on page 85.

1. From the Home screen, pull down the Notification panel and tap **Wi-Fi** to enable it.
2. Touch and hold on the screen to display the **Add to Home screen** menu.
3. Tap **Widgets** → **Latitude**.
4. Tap and sign in to Latitude.



Note: You must sign in to your Google Account to use this feature. For more information, refer to “*Accounts & sync*” on page 126.

5. From the Home screen, touch  **Menu** → **Settings** → **Location & security** → **Use wireless networks** and/or **Use GPS satellites** to enable location services.
6. You are now set up and ready to use Latitude.

Maps



Google Maps allow you to track your current location, view real-time traffic issues, and view detailed destination directions. There is also a search tool included to help you locate places of interest or a specific address. You can view locations on a vector or aerial map, or you can view locations at the street level.

Important!: Before using Google Maps you must have an active data (3G) or connection. The Maps application does not cover every country or city.

- From a Home screen, touch  **Applications** →  **Maps**.



Market

Browse the Android Market for new Android applications, games or downloads for your phone. You'll need to have a Google account set up on your phone to download a new application.

1. From a Home screen, touch  **Applications** →  **Market**.
2. The first time you open Market, read the Terms of Service, then touch **Accept** to continue.
3. Browse for items to install or upgrade downloads:
 - **Apps**: New applications.
 - **Games**: New games.
 - **My apps**: Display requested downloads, plus available updates to applications installed on your phone.

Memo



Create and manage text memos, and send memos via Bluetooth to paired Bluetooth devices.

- From a Home screen, touch  **Applications** →  **Memo**.




Note: You can send a memo via Bluetooth. After saving a memo, touch and hold on the Memo to launch Bluetooth. For more information, see *"Bluetooth"* on page 88.

Mini Diary




This application allows you to create a mini diary where you can add a photo, and text to describe an event or other memorable life event.

1. From a Home screen, touch  **Applications** →  **Mini Diary**.
Any diary entries display in a list.
2. Tap **Create diary**.
3. Tap **Tap to add photo** field to add a photo for this diary event and touch the source. Selections are: **Camera**, or **Images**.
4. Tap **Add location** to enter location information, then touch **Done**.
5. Tap the screen and enter text then touch **Done**.
6. Tap the No weather data icon in the upper, left corner (over the photo) and select a weather condition from the list to describe the weather conditions for this entry.
7. Touch **Save**.




Mini Diary settings

1. From a Home screen, touch  **Applications** →  **Mini Diary**.
2. Press  → **Settings**.
3. Touch **Selected city** and touch the city for which you are documenting this entry.
4. Touch **Auto update** if you want the settings to automatically update.

Deleting a Mini Diary entry



1. From a Home screen, touch  **Applications** →  **Mini Diary**.
2. Press  → **Delete all**.

Mini Diary options

1. From a Home screen, touch  **Applications** →  **Mini Diary**.
2. Select a diary.
3. Press  and select one of the following options:
 - **Create**: creates a new diary entry.
 - **Delete**: deletes the displayed entry.
 - **Publish**: charges may apply when publishing (exporting).
 - **Change photo**: replaces the photo in this entry by allowing you to take another photo with using another image.
 - **Delete photo**: deletes the photo from this entry when you touch Yes to confirm.



Mobile AP

Use Mobile AP to share your phone's mobile internet connection with a PC through Wi-Fi, using your phone as the mobile hotspot. For more information, see “*Mobile AP*” on page 109.

- ▶ From the Home screen, touch  **Applications** →  **Mobile AP.**




Music Player

Play music files from an installed memory card. For more information, see “*Music Player*” on page 75.

- ▶ From a Home screen, touch  **Applications** →  **Music Player.**

My Files

Find, view and manage files stored on an installed memory card. If the file is associated with an application on your phone, you can launch the file in the application.

1. From a Home screen, touch  **Applications** →  **My Files.**
2. Tap a folder and scroll down or up until you locate a file.
3. Touch a file to launch it in the associated application (if the file is associated with an application).
4. While browsing files, use these controls:
 - Touch **Up** to go back up to a higher directory.
 - Touch **Home** to go back to the root directory.
 - Press  **Menu** for these options:
 - **Share:** Upload the file via AllShare, Bluetooth, Picasa, Messaging, Email, Gmail, YouTube.
 - **Create folder:** Create a new folder for storing files.
 - **Delete:** Erase selected file(s).
 - **View by:** Display files as a List, as a List and details, or as Thumbnails.
 - **List by:** Sort files by Time, Type, Name, or Size.
 - **More:** Move, Copy, Rename files, set Bluetooth visibility for file(s), or change settings for My Files.

Navigation



Google Maps Navigation (Beta) is an internet-connected turn-by-turn, GPS navigation system with voice guidance.

Caution! Traffic data is not real-time and directions may be wrong, dangerous, prohibited, or involve ferries.

Eight product features are included in Google Maps Navigation:

- **Search in plain English:** enter the destination address, place, name of business, or even a type of business.
- **Search by voice:** Speak your destination instead of typing (English only).
- **Traffic view:** An indicator glows green, yellow, or red based on the current Search along route: search for any kind of business along your route, or turn on popular layers such as gas stations, restaurants, or parking.
- **Traffic along your route.** Touch it to see traffic ahead of you.
- **Satellite view:** View your route overlaid on 3D satellite views with Google's high-resolution aerial imagery.
- **Street view:** Visualize turns with Street View imagery. Navigation automatically switches to Street View as you approach your destination.
- **Car dock mode:** Car dock mode makes it easy to use your device at arm's length (Android 2.0 devices or higher).

- **Navigation shortcut:** Select the Navigation icon from the launcher to start quickly; pick a destination by search (speak or type), contacts, starred items, or recent destinations.



1. From a Home screen, touch  **Applications** →
 **Navigation** application.
2. Tap **Navigation**.

Caution! Navigation is a beta product. Use caution.

3. Tap **Accept** and begin using the Navigation application.



News & Weather

News & Weather monitors the weather, financial information, news, and your schedule, in one convenient application.

- From the Home screen, touch  **Applications** →
 **News & Weather**.



Places

Find places of interest near your **Latitude** location. (For more information, refer to “*Latitude*” on page 97.)

- From a Home screen, touch  **Applications** →
 **Places**.


Settings

Configure your phone to your preferences. For more information, see “*Settings*” on page 107.

- ▶ From a Home screen, touch  **Applications** →  **Settings**.



Talk

Use Google Talk to chat with other Google Talk users. For more information, see “*Google Talk*” on page 64.

- ▶ From a Home screen, touch  **Applications** →  **Talk**.



Task Manager

View and manage active applications on your phone. For more information, see “*Task Manager*” on page 12.

- ▶ From a Home screen, touch  **Applications** →  **Task Manager**.



ThinkFree Office

ThinkFree Office Mobile for Android™ is a Microsoft Office®-compatible office suite, that provides a central place for managing your documents on and off line.

- ▶ From a Home screen, touch  **Applications** →  **ThinkFree Office**.

Video Player


View and manage videos stored on an optional installed memory card, or shop for new videos.

- ▶ From a Home screen, touch  **Applications** →  **Video Player**.

Voice Commands

Voice Commands is advanced speech recognition software that recognizes your spoken commands to dial phone numbers, create messages, and launch phone features such as Contacts, Calendar and My Music.

To use Voice Commands, speak naturally into your phone, at a distance of 3-12 inches. There is no need to “train” Voice Commands, it is designed to recognize natural speech.

- From a Home screen, touch  **Applications** →





Voice Commands.

Note: At each step, Voice Commands displays a list of available commands. If Voice Commands does not recognize your command, it will prompt you to confirm.

Call <Name or #>

Place a call by speaking a contact name or telephone number.

1. From a Home screen, touch  **Applications** →  **Voice Commands.**
2. At the audio prompt “**Say a command**”, say “**Call**”, followed by:
 - “< **A Name**>”, to call the default telephone number for a Contact. Or, say “Call”, followed by the type of number label.
 - “< **Number**>”, to dial phone number.
3. Follow the prompts to confirm your selection and place the call.

Send <Msg Type>

Create a new message by speaking the type of message and the recipient(s).

1. From a Home screen, touch  **Applications** →  **Voice Commands.**
2. At the audio prompt “**Say a command**”, say “**Send Text**”, “**Send Picture**”, or “**Send Video**”.
3. At the prompt, say a Contact name, telephone number.
4. The new message opens, with the To: field populated with your selection(s). Continue creating the message. (For more information, refer to “*Messaging*” on page 59.)

Lookup <Name>

Access a contact record by speaking the name of the contact.

1. From a Home screen, touch  **Applications** →  **Voice Commands**.
2. At the audio prompt “**Say a command.**”, say “**Lookup**” followed by the name of a Contact entry. The named Contact’s information appears in the display.

Go To <Menu>

Access an application by speaking the application name.

1. From a Home screen, touch  **Applications** →  **Voice Commands**.
2. At the audio prompt “**Please say a command**”, say “**Go to**”, followed by the name of a menu item, for example, “**Phone**”, “**Messaging**”, “**Calendar**”, “**Settings**”, “**Browser**”, “**My Files**” or “**Music Player**”.



Play <Playlist Name>

Launch My Music and start playback of a saved playlist.

1. From a Home screen, touch  **Applications** →  **Voice Commands**.
2. At the audio prompt “**Say a command**”, say “**Play**”, followed by the name of a stored playlist.

Check <Item>

Access device information by speaking the command.

1. From a Home screen, touch  **Applications** →  **Voice Commands**.
2. At the audio prompt “**Say a command**”, say “**Check**”, followed by a command:
 - **Status**: Displays and announces all phone status indicators.
 - **Vicemail**: Displays and announces the number of new voicemail messages.
 - **Messages**: Displays and announces the number of new Text, Picture and Voice messages.
 - **Missed Calls**: Displays the missed call log.
 - **Time**: Displays and announces the current time.
 - **Signal Strength**: Displays and announces the current 1x signal strength level.
 - **Network**: Displays network roaming status.
 - **Battery**: Displays and announces the current battery level.
 - **My Phone Number**: Displays and announces your phone number.
 - **Volume**: Displays and announces the current volume level.



Voice Commands Settings

Configure the Voice Commands feature of your phone.

1. From a Home screen, touch  **Applications** →  **Voice Commands**.
2. Touch  **Menu** → **Settings** Select a setting for customization:
 - **Confirmation:** Select when the system asks you to confirm a name or number. Select **Automatic**, **Always Confirm**, or **Never Confirm**.
 - **Adaptation:** Train Voice Commands to recognize your voice. Choose **Adapt Voice**, then follow the audio prompts.
 - **Audio Modes:** Set the level of audio assistance. Choose **Expert Mode**, **Prompt Mode**, or **Readout Mode**.
 - **About:** View information about Voice Commands.



Voice Recorder

Record your voice or other sounds, and share recordings via Bluetooth, Messaging, or Gmail.

- From a Home screen, touch  **Applications** →  **Voice Recorder**.

Voice Search

Voice Search offers voice-activated Google searches.

1. From a Home screen, touch  **Applications** →  **Voice Search**.
2. Voice Search uses your location to improve search results and offer other services. Touch **Agree** to allow location-based searches, or **Disagree** to disallow.
3. At the **Speak now** prompt, speak your search criteria slowly and clearly. Google searches for the information and displays results.

Write & Go

Capture ideas as a text note, select a format for sending via Gmail, saving to the Calendar or as a memo, or use it to update your Facebook, MySpace, or Twitter status.

1. From a Home screen, touch  **Applications** →  **Write & Go**.
2. Compose a text note, then use the following options:
 - **Send message:** Create a new text message containing the note.
 - **Update status:** Log in to post the note to update your status on Facebook, MySpace, or Twitter.
 - **Save:** Save the note as an event in Calendar, or as a Memo.

YouTube

View and upload YouTube videos, right from your phone.

- ▶ From a Home screen, touch  **Applications** →






YouTube.

Section 12: Settings

This section explains Settings for customizing your phone.

Accessing Settings

- ▶ From a Home screen, touch  **Menu** → **Settings**.
– or –

From a Home screen, touch  **Applications** →
 **Settings**.

Wireless & network

Control your phone's wireless connections.


Wi-Fi Settings

Set up and manage Wireless Access Points (WAPs). Your phone supports Wi-Fi b/g/n.

Turning Wi-Fi On or Off


Turn your phone's Wi-Fi service on or off. When you turn Wi-Fi service on, your phone automatically searches for available, in-range Wireless Access Points (WAPs).

Tip: When you turn Wi-Fi service on, your phone automatically searches for available networks, and displays the under Detected Networks.

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**.
2. Touch **Wi-Fi** to turn Wi-Fi On or Off. When on, a check appears in the checkbox.


Detected Networks

When Wi-Fi is on, detected networks display in this section of the display.


1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**.
2. Under **Detected Networks**, touch the network you would like to connect to and follow the prompts.

Wi-Fi Network Settings

Set up and manage wireless access points.

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**.
2. Touch settings to configure:
 - **Add Network:** Manually add a new Wi-Fi connection.
 - **Manage Networks:** Manage your saved network settings.
 - **Search:** Scan for available Wireless Access Points.
 - **Advanced:** View and configure Wi-Fi settings for your phone.

Advanced Wi-Fi settings

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Wi-Fi settings**.
2. Touch **Advanced** for these options:
 - **Wi-Fi sleep policy:** Specify when to switch from Wi-Fi to mobile data for data communications. This setting can affect the behavior of devices you connect to your phone, such as when tethering or using Mobile AP.
 - **MAC address:** View your phone's MAC address, needed for connecting to some secured networks (not configurable).
 - **Proxy:** Touch to enter a proxy number.
 - **Port:** Touch to enter a port number.
 - **IP Settings:** Enable a Static IP address, and manually configure its settings:
 - **Use static IP:** Touch to use a static IP. When enabled, a check mark appears in the checkbox.
 - **IP address:** When using a static IP, enter the IP address.
 - **Gateway:** When using a static IP, enter the Gateway.
 - **Netmask:** When using a static IP, enter the Netmask.
 - **DNS 1:** When using a static IP, enter the DNS 1 value.
 - **DNS 2:** When using a static IP, enter the DNS 2 value.


Mobile AP

Use Mobile AP to share your phone's 3G internet connection with a PC or other device through Wi-Fi.

Note: To use Mobile AP, you need the Mobile AP feature from your wireless carrier. Contact your wireless carrier for more information.


Mobile AP consumes battery power and uses data service. While the Mobile AP is active, your phone's applications will use the Mobile AP data feature allowance.

Turning Mobile AP On or Off

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Mobile AP**.
2. Touch **Mobile AP** to turn Mobile AP On or Off. When on, a check appears in the checkbox.

Note: Using your phone as a mobile hotspot consumes battery power and increases your data usage. Roaming while using your phone as a mobile hotspot will incur extra data charges.

Mobile AP Settings

1. From the Home screen, touch  **Menu** → **Settings** → **Wireless & network** → **Mobile AP**.
2. Touch **Mobile AP** to turn on mobile hotspot. Mobile AP must be turned on to access settings.
3. Touch **Network Settings** to choose an option.
4. Touch **Configure** to configure your Mobile AP:
 - **Automatic:** Automatically create an SSID and Key for your hotspot.
 - **Manual:** Configure your Mobile AP.
 - **Network Name (SSID):** View and edit your phone's name, used by other devices when connecting to your mobile hotspot.
 - **Broadcast SSID:** Enable to allow your device's Network Name (SSID) to be broadcast, so other devices can search for it. When enabled, a check appears in the checkbox. When disabled, your device is "hidden", and your hotspot can only be accessed by devices you specifically allow.
 - **Security:** Choose a security level.
 - **Password:** Enter a password to require a password to access your phone as a hotspot.
 - **Show password:** Touch to enable display of your password in the Password field. When disabled, the password is not shown.
 - **Broadcast Channel:** Choose Auto to have the phone automatically choose a channel for broadcasting, or choose a channel.

Tip: By default, your phone's mobile hotspot password is your phone number.

5. Touch **Manage Devices** to view and manage devices you've allowed to connect to your Mobile AP, then:
 - Touch **View Connected Devices** to view devices connected to your Mobile AP.
 - Touch **Manage Allowed Devices** to manage a list of device you will allow to connect to your mobile hotspot.
 - Touch **Allow all devices** to connect to allow any device to connect.
 - Touch **Add device** to enter the MAC address for a new device.
6. Touch **Battery Management** to choose a time period to have Mobile AP remain on after you turn it on. If you choose Never Turn-Off, the hotspot remains on until you turn it off.

Note: Using your phone as a mobile hotspot consumes battery power and increases your data usage. Roaming while using your phone as a mobile hotspot will incur extra data charges.

Bluetooth

Your phone supports Bluetooth® 3.0.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your phone supports these Bluetooth profiles:

- **Headset:** HSP v1.1 profile supports use of a compatible Bluetooth headset for mono voice.
- **Handsfree:** HFP v1.5 profile supports Bluetooth headsets, and may also support other installed compatible Bluetooth devices with speakerphone capabilities.
- **Stereo:** A2DP v1.0, AVRCP v1.0, GAVDP and AVDTP profiles support delivery of stereo audio to a compatible Bluetooth device.
- **Phonebook Access:** PBAP v1.0 profile allows sharing of multiple name card and phonebook entries with a compatible Bluetooth device.
- **Object Push:** OPP v1.1 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices.

Note: This device does not support all Bluetooth profiles.

Bluetooth devices

Displays available Bluetooth devices.

From a Home screen, touch  **Menu** → **Settings** → **Wireless & networks** → **Bluetooth settings**.

Bluetooth settings

Use Bluetooth settings to manage Bluetooth connections, set your device's name, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access some settings.


1. From a Home screen, touch  **Menu** → **Settings** → **Wireless & networks** → **Bluetooth settings**.

2. Touch a setting to configure Bluetooth:

- **Bluetooth:** Touch to turn Bluetooth On or Off. When On, a check displays in the checkbox.
- **Device Name:** Your device's default name displays on screen. Touch to change the device name. Available when Bluetooth is turned On.
- **Discoverable:** Control your phone's visibility to other devices' Bluetooth searches. Touch to turn On or Off. Available when Bluetooth is turned On.
- **Scan devices:** Touch to scan for nearby discoverable devices. After searching, touch a device to pair with it. For more information, see *"Pairing with a Bluetooth Device"* on page 89.

Airplane mode

When airplane mode is activated, all your phone's wireless connections are disabled, and you cannot make or receive calls or messages or connect to networks. While in airplane mode, you can use other features of your phone, such as playing music, watching videos, or other applications.

1. From a Home screen, touch  **Menu** → **Settings** → **Wireless & networks**.
2. Touch **Airplane mode** to activate or deactivate airplane mode. When activated, a check displays in the check box.


Tethering

Use Tethering to share your device's 3G internet connection with another device that connects to your device via USB cable. (For more information, refer to “*Tethering*” on page 89.)

VPN settings

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see “*VPN*” on page 90.


Add VPN

1. From a Home screen, touch  **Menu** → **Settings** → **Wireless & networks** → **VPN settings**.
2. Touch **Add VPN** to set up a connection to a VPN, using the following settings:
 - **Add PPTP VPN:** Set up a connection to a VPN with Point-to-Point tunneling protocol.
 - **Add L2TP VPN:** Set up a connection to a VPN with Layer 2 tunneling protocol.
 - **Add L2TP/IPSec PSK VPN:** Set up a connection to a VPN with pre-shared key-based Layer 2/IPsec tunneling protocol.
 - **Add L2TP/IPSec CRT VPN:** Set up a connection to a VPN with Certificate-based Layer 2/IPsec tunneling protocol.

Mobile networks

Set options for network selection and data services while roaming.

Important!: Depending on your service plan, changes you make to Mobile Networks settings may incur extra charges. Consult your service provider for more information.

1. From a Home screen, touch  **Menu** → **Settings** → **Wireless & networks** → **Mobile networks**.
2. Set these options:
 - **Data enabled:** Enable or disable connections to data services over your service provider's network.
 - **Data roaming:** Enable or disable connections to data services when your device is roaming on another network. For more information about roaming, see *"Roaming"* on page 11.
 - **System selection:** Change the roaming mode for CDMA networks.
 - **Home Only:** Restrict your phone to your home network's coverage area. When outside the coverage area, your phone will not roam, and call functions and other wireless features will not be available.
 - **Automatic:** Allow your phone to automatically acquire service based on default settings, using your carrier's network and the networks of roaming partners.

Call settings

Voicemail


Voicemail service

By default, calls you do not answer are sent to your carrier's voicemail system. If you subscribe to other voicemail services, you can set the default service.

- From a Home screen, touch  **Menu** → **Settings** → **Call settings** → **Voicemail service**.

Voicemail


By default, the speed dial number for calling your carrier's voicemail is *86. You can modify this to set a special speed dial number for accessing voicemail.


1. From a Home screen, touch  **Menu** → **Settings** → **Call settings** → **Voicemail**.
2. Use the touch keypad to modify the default voicemail number.

Other call settings

Ignore with message

Create messages to use when rejecting incoming calls. For more information, see *“Ignoring a call with a message”* on page 37.

1. From a Home screen, touch  **Menu** → **Settings** → **Call settings** → **Ignore with message**.
2. Touch **Create**.
3. Enter the message text, then touch **Save**.

Note: To erase messages, touch  **Menu** → **Delete**.


North American dialing

When you enable the North American dialing feature the phone automatically replaces the +1 with an International dialing code in the area that you are located.

International Dialing

Allows you to enter a International dialing code.

Setting up the International Dialing code

1. From a Home screen, touch  **Menu** → **Settings** → **Call settings**.
2. Deselect the North American dialing feature (if selected).
3. Touch **International Dialing**, then enter an International Dialing code in the field and touch **OK**.


If North American dialing is selected, the phone automatically uses the international dialing code you entered in step 3.

View call timer

View the length of the **Last call**, **Outgoing calls**, **Incoming calls**, **Roaming calls**, **All calls**, or **Lifetime Calls**. You can also view when the **Last Reset** date.


Auto retry

When enabled, your phone will automatically re-attempt a call when it encounters a network busy signal.

1. From a Home screen, touch  **Menu** → **Settings** → **Call settings**.
2. Touch **Auto retry** to enable or disable automatic call retry. When enabled, a check mark displays in the check box.

DTMF Tones

Set the length of DTMF (Dual Tone Multiple Frequency) tones that your phone sends. DTMF tones are used as input by some automated call systems.

1. From a Home screen, touch  **Menu** → **Settings** → **Call settings** → **DTMF tones**.
2. Touch **Normal** or **Long**.


TTY Mode

When enabled, TTY Mode allows your phone to work with a TTY device attached to the Headset Jack. Before using your phone with a TTY device, you'll need to enable TTY Mode.

1. From a Home screen, touch  **Menu** → **Settings** → **Call settings** → **TTY mode**.
2. Touch **TTY Off**, **TTY Full**, **TTY HCO**, or **TTY VCO**.


Call Restrictions

You can restrict both incoming and outgoing calls.

1. From a Home screen, touch  **Menu** → **Settings** → **Call settings** → **Call Restrictions**.
2. From the **Incoming** field tap **Allow All**, **Allow Contacts**, or **Allow None**.
3. From the **Outgoing** field tap **Allow All**, **Allow Contacts**, or **Allow None**.


Voice privacy

When enabled, Voice privacy encrypts your voice calls for enhanced privacy.

1. From a Home screen, touch  **Menu** → **Settings** → **Call settings**.
2. Touch **Voice privacy** to enable or disable voice privacy.
When enabled, a check mark displays in the check box.


Auto answer

When activated, the phone automatically answers a call after a specified period of time.

1. From a Home screen, touch  **Menu** → **Settings** → **Call Settings** → **Auto answer**.
2. Select one of the predefined times. The phone automatically answers the call after the determined number of seconds.

Emergency Numbers

Your phone automatically includes 911 as an emergency call number, however, you can enter additional emergency numbers (such as local police or fire) .


1. From a Home screen, touch  **Menu** → **Settings** → **Call Settings** → **Emergency Number**.
2. Touch **Empty**, enter a new emergency number then touch **Save**.

Sound settings

General


Silent mode

Temporarily silence all the sounds your phone makes except for media playback and alarms.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Silent mode** to enable or disable silent mode. When enabled, a check mark appears in the check box.

Vibrate


When enabled, your phone vibrates to alert you to new notifications.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Vibrate**, to choose a vibration mode, from **Always**, **Never**, **Only in silent mode**, or **Only when not in silent mode**.

Volume

Set the system volume level, and set default volume for call ringtones, notifications, and media playback.

Note: You can also set System volume from the Home screen by pressing the **Volume Key**.


1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings** → **Volume**.
2. Touch and drag the slider to set **Incoming call volume**.
3. Touch and drag the slider to set **Media volume**.
4. Touch and drag the slider to set **System volume**.
5. Touch and drag the slider to set **Notification volume**.
— or —
Touch **Use incoming call volume for notifications** to match notification volume to incoming call volume.
6. Touch **OK** to save your setting.

Incoming calls

Voice call ringtone

Choose a default ringtone for all incoming calls.

Tip: You can also set songs as ringtones for all calls, or for a selected contact. For more information, see “*Setting a Song as a Ringtone*” on page 75.


1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings** → **Voice call ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Notifications

Notification ringtone

Select a default ringtone for message, alarm, and other notifications.

Tip: You can also set songs as alarm ringtones. For more information, see “*Setting a Song as a Ringtone*” on page 75.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings** → **Notification ringtone**.
2. Touch a ringtone to hear a sample and select it.
3. Touch **OK** to save the setting.

Feedback


Audible touch tones

When enabled, tones play for when you dial numbers on the Phone Dialer.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Audible touch tones** to enable or disable tones. When enabled, a check mark appears in the check box.


Audible selection

When enabled, tones play when you touch the screen for selections (other than the Phone Dialer).

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Audible selection** to enable or disable tones. When enabled, a check mark appears in the check box.


Screen lock sounds

When enabled, tones play when unlocking and locking the screen.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Screen lock sounds** to enable or disable tones. When enabled, a check mark appears in the check box.


Haptic feedback

When enabled, the phone vibrates to indicate screen touches and other interactions.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Haptic feedback** to enable or disable vibration. When enabled, a check mark appears in the check box.


Vibration intensity

Set the intensity of vibration for screen touch feedback.

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings**.
2. Touch **Vibration intensity**, then touch and drag the slider to set Vibration intensity.
3. Touch **OK** to save your setting.

Emergency Tone

You can set your phone to play an alert tone or vibrate during an emergency call (for example, calls to 911).

1. From the Home screen, touch  **Menu** → **Settings** → **Sound settings** → **Emergency tone**.
- Touch **Alert** or **Vibrate**, or touch **Off** for no emergency tone.

Display settings


Font style

Set the font for screen displays.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings**.
2. Touch **Font style** to choose a font style, or touch **Get fonts online** to browse and download a new font.


Brightness

Set the default screen brightness.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings** → **Brightness**.
2. Touch and drag the slider to set the brightness, or touch to enable **Automatic brightness**.
3. Touch **OK** to save the setting.

Auto-rotate screen


When enabled, the screen's orientation changes automatically when you rotate the phone.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings**.
2. Touch **Auto-rotate screen** to enable or disable automatic screen rotation. When enabled, a check mark displays.

Tip: You can also set the Auto-rotate screen setting on the Notification Panel.


Animation

Set the level of animations for transitions between screens.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings** → **Animation**.
2. Touch **No animation**, **Some animations**, or **All animations**.


Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings** → **Screen timeout**.
2. Touch a setting to select it.

Power saving mode

When enabled, your phone will automatically analyze the screen and adjust the brightness to conserve battery power.

1. From the Home screen, touch  **Menu** → **Settings** → **Display settings**.
2. Touch **Power saving mode** to enable or disable the mode. When enabled, a check appears in the check box.

Location & security

We value your privacy and because of this, your phone is defaulted to only acquire your location when you dial 911. To use Location-Based Services, you must first enable location services on your phone.


My Location

Use wireless networks

Enable or disable location service from your Wireless Provider.

Note: Network location services must be enabled to use some applications.

Important!: By selecting **Network location services**, you are enabling your Wireless Provider and third-party authenticated and validated location-enabled services access to certain location information available through this network or device.

1. From a Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Use wireless networks** to enable or disable Network location services. When enabled, a check mark appears in the check box.


Use GPS satellites

Enable or disable location service from Standalone GPS services. 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


Note: Standalone location services must be enabled to use some applications.

Important! By selecting **Standalone GPS services**, you are allowing access to all location information by any third party through web access or any software or peripheral components you choose to install, download, add or attach to the device or any other means. Enabling this functionality could pose certain risks to users of this device.

1. From a Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Use GPS satellites** to enable or disable Standalone GPS services. When enabled, a check mark appears in the check box.

Screen unlock settings


Choose settings for unlocking your screen.

1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Set screen lock/Change screen lock** for these settings:
 - **None:** Touch to disable all screen lock settings.
 - **Pattern:** A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
 - **PIN:** Touch to select a PIN to use for unlocking the screen.
 - **Password:** Touch to create a password for unlocking the screen.

Passwords

Visible passwords


When enabled, password characters will display briefly as you touch them while entering passwords.

1. From a Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Visible passwords** to enable or disable brief displays of password characters. When enabled, a check mark appears in the check box.

Device administration

Select device administrators

Add or remove device administrators.


1. From the Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Select device administrators**.

Credential storage

Use secure credentials

You can install credentials from an installed memory card, and use the Credential storage settings to allow applications to access the secure certificates and other credentials.


Note: You must have installed encrypted certificates from a memory card to use this feature.

1. From a Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Use secure credentials** to enable or disable. AWhen enabled, a check mark displays in the check box when enabled.

Install encrypted certificates (from SD card)


Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From a Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Install encrypted certificates** to install them from a microSD Memory Card, then choose a certificate and follow the prompts to install.

Set password


Set or change a password to protect credentials.

1. From a Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Set password**, then follow the prompts.

Clear storage

Clear stored credentials and reset the password.

Note: This setting only appears if you have installed encrypted certificates.

1. From a Home screen, touch  **Menu** → **Settings** → **Location & security**.
2. Touch **Clear storage** to clear stored credentials and reset the password.


Applications

You can download and install applications from Android Market, or create applications using the Android SDK and install them on your phone. Use Applications settings to manage applications on your phone.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.



Unknown sources

When enabled, allows installation of applications from sources other than the Android Market.

1. From a Home screen, touch  **Menu** → **Settings** → **Applications**.
2. Touch **Unknown sources** to enable or disable the setting. When enabled, a check mark appears in the check box.

Manage applications


Manage and remove applications from your phone.

1. From a Home screen, touch  **Menu** → **Settings** → **Applications** → **Manage applications**.
2. Touch an application to view and update information about the application, including memory usage, default settings and permissions.
3. Touch  **Back** to return to Applications settings.

Running services


View and control services running on your phone.

Warning! Not all services can be stopped, and stopping services may have undesirable consequences on the application or Android System.

1. From a Home screen, touch  **Menu** → **Settings** → **Applications** → **Running services**.
2. To stop a service, touch the service, then touch **Stop** at the confirmation prompt.


Storage use

View application memory usage.

- From a Home screen, touch  **Menu** → **Settings** → **Applications** → **Storage use**. The following options are available:
- **Downloaded**: List applications downloaded to your phone.
 - **All**: List all applications on your phone.
 - **On SD card**: List applications installed on the microSD memory card in your phone.
 - **Running**: List applications currently running.

Battery use

View phone feature and/or application battery usage.

- From a Home screen, touch  **Menu** → **Settings** → **Applications** → **Battery use**.

Development

Set options for application development.

USB debugging

When enabled, allows debugging when the phone is attached to a PC by a USB cable.

Note: This setting is used for development purposes.

1. From a Home screen, touch  **Menu** → **Settings** → **Applications** → **Development**.
2. Touch **USB debugging** to enable or disable the setting. When enabled, a check mark appears in the check box.

Allow mock locations

This setting is used by developers when developing location-based applications.

Note: This setting is used for development purposes.

1. From a Home screen, touch  **Menu** → **Settings** → **Applications** → **Development**.
2. Touch **Allow mock locations** to enable or disable the setting. When enabled, a check mark appears in the box.

Accounts & sync


Set up and manage accounts, including your Google and Backup Assistant accounts.

General sync settings

Background data


When enabled, all accounts can sync, send, and receive data at any time, in the background.

Important! Disabling background data can extend battery life and lower data use. Some applications may still use the background data connection, even if this setting is disabled.

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch **Background data** to enable or disable the setting. When enabled, a check mark appears in the check box.

Auto-sync


When enabled, all accounts sync data at any time, automatically.

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch **Auto-sync** to enable or disable the setting. When enabled, a check mark appears in the check box.

Manage accounts


Use Manage accounts to set up and configure your accounts.

Note: Available settings depend on the type of account. Not all settings are available for all accounts.

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Under **Manage accounts**, touch the account to modify its settings.

Tip: For more information about managing accounts, see “*Setting Up Your Accounts*” on page 40.


Adding an account

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Under **Manage accounts**, touch **Add account** and follow the prompts to enter your credentials and set up the account.

Tip: For more information about adding accounts, see “*Setting Up Your Accounts*” on page 40.

Removing an account

Important! Removing an account also deletes all of its messages, contacts and other data from the phone.

1. From a Home screen, touch  **Menu** → **Settings** → **Accounts & sync**.
2. Touch an account to display its settings.
3. Touch **Remove account**, then touch **Remove account** at the prompt to remove the account and delete all its messages, contacts and other data.


Privacy

Use Privacy settings to manage use of personal information by your phone.

Personal Data

Factory data reset


Use Factory data reset to return your phone to its factory defaults. This setting erases all data from your phone, including your Google or other email account settings, system and application data and settings, and downloaded applications. It will not erase current system software and bundled applications, or files stored on an optional installed memory card, such as music or photos.

1. From the Home screen, touch  **Menu** → **Settings** → **Privacy**.
2. Touch **Factory data reset**, then follow the prompts to perform the reset.

Storage

Manage the use of memory resources in your phone's internal memory, and on an optional installed memory card.


External SD card

1. From a Home screen, touch  **Menu** → **Settings** → **Storage**.
2. View **Total space** and **Available space** memory usage on an installed memory card (not user-configurable).
3. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. For more information, see *"Removing a Memory Card"* on page 13.
4. Touch **Erase SD card** to erase the memory card and prepare it for use with your phone. For more information, see *"Formatting a Memory Card"* on page 91.

Internal phone storage


View memory usage for your phone's internal memory. Your phone contains 2GB internal memory.

Note: This setting cannot be configured.

- From a Home screen, touch  **Menu** → **Settings** → **Storage**.

USB Settings

Select how your phone responds to a USB connection to a personal computer.


- From a Home screen, touch  **Menu** → **Settings** → **USB settings**. The following options are available:
 - **Samsung Kies:** Your phone is controllable by Samsung Kies, a utility program available from Samsung.
 - **Mass storage:** Your phone appears to the personal computer as a removable disk drive.
 - **Ask on connection:** A menu pops-up letting you select **Samsung Kies** or **Mass storage**.

Language & keyboard

Language selection



Select locale

Set the language used by your phone's screens.

1. From a Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Select locale**.
2. Touch a language/locale from the list.

User dictionary

When you enter text, the predictive text features of the Swype and Android keyboards suggest words matching your key touches. If you find that predictive text often predicts the wrong word, or if you have special words that you enter often, add them to the User dictionary.

1. From a Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **User dictionary**.
2. To add a word, touch  **Menu** → **Add**.
3. To change a word, touch the word, then touch **Edit**.
4. To remove a word, touch the word, then touch **Delete**.

Text settings

Configure text entry options to your preferences.


Select Input Method

When entering text, you can change the text input method by pressing and holding on the input text field. Select input method lets you select a default text input method.

- ▶ Touch **Select input method**, then select the desired default text input method:
 - **Swype**
 - **Samsung keypad**
 - **Android keyboard**

Swype


Configure Swype settings. Swype is a new way to enter text by gliding your finger over the characters on the keyboard. For more information, see “*Entering Text Using Swype*” on page 54.

1. From a Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Swype**.
2. Touch items to configure the setting. Settings include:
 - **Preferences:**
 - **Language:** Choose US English or Español.

- **Word Prediction:** When enabled, suggests possible matching words as you enter text.
- **Audio Feedback:** When enabled, plays sounds as you enter text.
- **Vibrate on keypress:** When enabled, the phone vibrates on text entry.
- **Enable tip indicator:** When enabled, displays a flashing indicator for quick help as you enter text.
- **Swype Advanced settings:**
 - **Auto-spacing:** When enabled, inserts spaces automatically when you pause entering text.
 - **Auto-capitalization:** When enabled, automatically capitalizes the first letter of the first word in a sentence.
 - **Show complete trace:** Choose whether to display a trace of your Swype path.
 - **Word choice window:** Select how often word predictions display during text entry.
 - **Speed vs. accuracy:** Set the sensitivity of Swype text recognition.
- **Help:**
 - **Swype Help:** View the Swype User Manual.
 - **Tutorial:** View a tutorial for learning how to Swype.
- **About:**
 - **Version:** View the current Swype software version.

Samsung keypad


Configure Samsung keypad settings. For more information about entering text using the Samsung keypad, see *“Entering Text Using the Samsung Keyboard”* on page 56.

1. From a Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Samsung keypad**.
2. Touch items to enable or disable the setting. When enabled, a check mark displays in the check box. Settings include:
 - **Portrait keypad types:** Select which type of Samsung keypad appears when you touch a text entry field, either Qwerty Keypad, 3x4 Keypad, Handwriting box 1, or Handwriting box 2.
 - **Writing language:** Select the language you want to enter using the Samsung keypad.
 - **XT9:** When enabled, lists words that include your key presses.
 - **XT9 advanced settings:** Lets you enable those XT9 features you want to use and disable those you don't want to use.
 - **Keypad sweeping:** When enabled, lets you select text entry modes by sweeping across the Samsung keypad.
 - **Auto-capitalization:** When enabled, automatically capitalizes the first letter of the first word in a sentence.

- **Handwriting settings:** Select the speed of response of the Samsung Handwriting keypads. Also access an explanation of Handwriting keypad use.
- **Voice input:** Voice Input is an experimental feature using Google's networked speed recognition. When enabled, the Voice input key appears on the Android keyboard. To use Voice input, touch the Voice input key, or slide your finger over the keyboard.
- **Auto-full stop:** Enable on Disable Auto-full stop.
- **Tutorial:** Learn about this keypad's functions.

Android keyboard

Configure Android keyboard settings. For more information about entering text with the Android keyboard, see *“Entering Text Using the Android Keyboard”* on page 58.

1. From a Home screen, touch  **Menu** → **Settings** → **Language & keyboard** → **Android keyboard**.
2. Touch items to enable or disable the setting. Settings include:
 - **Vibrate on keypress:** When enabled, the phone vibrates for each key press.
 - **Sound on keypress:** When enabled, a sound plays for each key press.
 - **Pop-up on keypress:** When enabled, the character pops-up for each key press.

- **Touch to correct words:** When enabled, lets you touch entered words to correct them.
- **Auto-capitalization:** When enabled, automatically capitalizes the first letter of the first word in a sentence.
- **Show settings key:** Select whether the Settings key displays Automatically, Always shows, or Always hides.
- **Voice input:** Voice Input is an experimental feature using Google's networked speed recognition. When enabled, the Voice input key appears on the Android keyboard. To use Voice input, touch the Voice input key, or slide your finger over the keyboard.
- **Input languages:** Slide finger on spacebar to change language to English (United States) or Español (Estados Unidos).
- **Word suggestion settings:**
 - **Quick fixes:** When enabled, corrects common mistakes.
 - **Show suggestions:** When enabled, displays suggested words while entering text.
 - **Auto-complete:** When enabled, touching the spacebar or a punctuation character automatically inserts the highlighted suggested word.

Voice input & output

Voice input

Voice recognizer settings

Voice recognition lets you conduct searches by speaking to your phone.

1. From the **Settings** menu, touch **Voice input & output** → **Voice recognition settings**.
2. Touch a setting to configure:
 - **Language:** Select your preferred spoken language from the list.
 - **SafeSearch:** (Applies only to Google searches.) Select how closely you want Voice recognition to monitor your speech for explicit images: **Off** (none), **Moderate**, or **Strict**.
 - **Block offensive words:** Omits offensive words from your searches.
 - **Personalized recognition:** Improves speech recognition accuracy.
 - **Google Account dashboard:** Manages your collected data.

Voice output


Text-to-speech settings

Text-to-speech provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

1. From the **Settings** menu, touch **Voice input & output** → **Text-to-speech settings**.
2. Touch a setting to configure:
 - **Listen to an example:** Play a sample of speech synthesis (available if voice data is installed).
 - **Driving mode:** When enabled, incoming calls and new notifications will be read out automatically.
 - **Always use my settings:** When enabled, settings you make override the application's default settings.
 - **Default settings:** Configure settings to your preferences. When Always use my settings is enabled, these settings override the application's default settings.
 - **Default engine:** Set the speech synthesis engine for spoken text.
 - **Install voice data:** Download and install the speech synthesis data needed to activate Text-to-speech from Android Market (free).
 - **Speech rate:** Set the speed at which the text is spoken.
 - **Language:** Set the language voice for spoken text.
 - **Engines:** Set language(s) supported by available speech synthesis engine(s).
 - **Pico TTS:** Lets you install additional language support.

Accessibility


Accessibility services are special features to make using the phone easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

1. From a Home screen, touch  **Menu** → **Settings** → **Accessibility**.
2. Touch **Accessibility** to activate or deactivate accessibility services. When activated, a check appears in the box.

Accessibility services


Enable or disable accessibility services.

Note: You must activate the **Accessibility services** setting before enabling services.

1. From a Home screen, touch  **Menu** → **Settings** → **Accessibility**.
2. Touch a service to enable or disable the service. When enabled, a check mark appears in the check box:
 - **SoundBack:** When enabled, plays tones for touch actions.
 - **TalkBack:** When enabled, recites menu options, application titles, contacts, and other items when scrolling and making selections.
 - **KickBack:** When enabled, vibrates for touch actions.


The power button

Use the Power button setting to enable ending voice calls by pressing the Power/Lock key. When this option is enabled, pressing the Power/Lock key during a call does not lock the screen.

1. From the Home screen, touch  **Menu** → **Settings** → **Accessibility**.
2. Touch **Power button ends calls** to enable or disable the setting. When enabled, a check mark appears in the check box.


Date & time

By default, your phone receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date & time settings.

1. From a Home screen, touch  **Menu** → **Settings** → **Date & time**.
2. Touch a setting to configure:
 - **Automatic:** Touch to enable or disable automatic date and time updates from the wireless network. When enabled, a check appears in the check box.
 - **Set date:** Enter the current date (only available when the Automatic setting is disabled).
 - **Select time zone:** Choose your local time zone (only available when the Automatic setting is disabled).
 - **Set time:** Enter the current time (only available when the Automatic setting is disabled).
 - **Use 24-hour format:** Set the format for time displays.
 - **Select date format:** Set the format for date displays.

About phone


View information about your phone, including status, legal information, hardware and software versions, and a tutorial.

1. From a Home screen, touch  **Menu** → **Settings** → **About phone**.
2. Touch items to view details:
 - **Status:** View Battery status, Battery level, Phone number, MIN, PRL version, MEID, Network, Signal strength, Mobile network type, Service state, Roaming, Mobile network state, Wi-Fi MAC address, Bluetooth address, and Up time.
 - **Battery use:** Display the processes and applications that are currently running. Touch an item to view details.
 - **Legal information:** Display open source licenses and Google info.
 - **System tutorial:** View a tutorial to help you learn how to use your phone. Follow the prompts to move through the tutorial topics.
 - **Hardware version:** Display the hardware version of your phone.
 - **Model number:** Display your phone's model number.
 - **Firmware version:** Display the firmware version of your phone.
 - **Baseband version:** Display the baseband version of your phone.
 - **Kernel version:** Display the kernel version of your phone.
 - **Build number:** Display your phone's build number.

Setup wizard

Use the Setup Wizard to set up your accounts, and to view helpful information about the phone.

Tip: The first time you turn your phone on, the Setup Wizard will prompt you to personalize your phone.

1. From a Home screen, touch  **Menu** → **Settings** → **Setup wizard**.
2. Follow the prompts to configure:
 - **Add accounts:** Configure access to your Facebook, Twitter and MySpace, Corporate or Google accounts. For more information, see *"Accounts & sync"* on page 126.
 - **My Location:** Configure your phone's use of location services. For more information, see *"My Location"* on page 121.

Section 13: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device.**

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals 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.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at <http://com.iarc.fr/en/media-centre/pr/>.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at <http://www.ukcosmos.org/index.html>.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at <http://seer.cancer.gov/>.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - 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 RF exposure.

- Reduce the amount of time spent using your cell phone;

- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which 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 “hands-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.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>.
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>.
- Health Protection Agency:
<http://www.hpa.org.uk/Topics/Radiation/>.
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

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 Council 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 mobile device 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:

- **Head:** 0.57 W/Kg.
- **Body-worn:** 0.52 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.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired.** Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;

- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to <http://www.ctia.org>.

Battery Use and Safety

Important!: Handle and store batteries properly to avoid injury or damage.

Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.** Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source.** Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire.** The phone or the battery may explode when overheated.

- **Do not handle a damaged or leaking battery.** Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone.** Dropping the phone or the battery, 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 allow the battery to touch metal objects.** Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, 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.

Important!: Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

Warning!: Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers.** Some websites 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, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at:

<http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm> or at <http://www.call2recycle.org/>.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recycle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning!: Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger 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
ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR
MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

**WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN
MOBILE DEVICE**

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object 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 155.

GPS & AGPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

Your Location

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and **might not work in your area**. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation data may contain inaccurate or incomplete data, and circumstances can and do

change over time. In some areas, complete information may not be available. Therefore, **you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls



This mobile device, like any wireless mobile device, 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 mobile device 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 mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

To make an emergency call:

1. If the phone is not on, switch it on.

2. From a Home screen, touch  **Phone**.
3. Enter the emergency number for your present location (for example, 911 or other official emergency number).
4. Touch  to place the call.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual 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 mobile device 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.

Care and Maintenance

Your mobile device 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 your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the

use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

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 cell phones, 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 common sense 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.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- 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 your 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/Pages/default.aspx>

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 (1-800-356-4674)

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 mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device 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 mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device 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 mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device 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 mobile device with an implantable medical device, consult your health care provider.

For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

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 mobile device 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 before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device 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 mobile device 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.

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 mobile devices under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless mobile devices 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 mobile devices 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 mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices 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

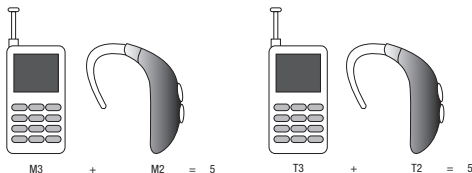
use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices 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 mobile device 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.



If a hearing aid meets the M2 level rating and the wireless mobile device 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 mobile device.

“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 for Newer Technologies

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 or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device 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.

Cautions

Any changes or modifications to your mobile device 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 mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device 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 mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device 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 mobile device, 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 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 mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.

Section 14: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC (“SAMSUNG”) warrants that SAMSUNG’s handsets 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 by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and

cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception or transmission, or viruses or other software problems introduced into the Product; 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, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the 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 Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase,

the serial number of the Product and the seller's name and address. To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME

STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY. Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are \$5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or \$50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees.

Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed \$5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with

the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability.

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Samsung Telecommunications America, LLC

1301 E. Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

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4. **CONSENT TO USE OF DATA.** You agree that Samsung and its affiliates may collect and use technical information gathered as part of the product support services related to the Software provided to you, if any, related to the Software. Samsung may use this information solely to improve its products or to provide customized services or technologies to you and will not disclose this information in a form that personally identifies you.

5. **UPGRADES.** This EULA applies to updates, supplements and add-on components (if any) of the Software that Samsung may provide to you or make available to you after the date you obtain your initial copy of the Software, unless we provide other terms along with such upgrade. To use Software identified as an upgrade, you must first be licensed for the Software identified by Samsung as eligible for the upgrade. After upgrading, you may no longer use the Software that formed the basis for your upgrade eligibility.

6. **SOFTWARE TRANSFER.** You may not transfer this EULA or the rights to the Software granted herein to any third party unless it is in connection with the sale of the mobile device which the Software accompanied. In such event, the transfer must include all of the Software (including all component parts, the media and printed materials, any upgrades, this EULA) and you may not retain any copies of the Software. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end user receiving the Software must agree to all the EULA terms.

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8. **TERMINATION.** This EULA is effective until terminated. Your rights under this License will terminate automatically without notice from Samsung if you fail to comply with any of the terms and conditions of this EULA. Upon termination of this EULA, you must cease all use of the Software and destroy all copies, full or partial, of the Software.

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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.

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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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