

Samsung GALAXY S IITM

SGH-T989D

P O R T A B L E Q U A D - B A N D
M O B I L E 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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Dynamic Noise Suppression from Audience

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

How Does It Work?

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

- Captures, evaluates and distinguishes all the sound signals surrounding your phone, and the person you're speaking with.
- Then isolates the primary voice in conversation and filters out the background noise - so the person you're calling hears only your voice, without disturbing background noise.
- Dynamically equalizes and adjusts voice volume to optimize your calling experience, so you can hear clearly and don't need to speak louder to overcome surrounding noise.

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Section 1: Getting Started

This section explains how to get started with your phone by installing and charging the battery, installing the SIM card and optional memory card, and setting up your voice mail.

Before using your phone for the first time, you'll need to install and charge the battery and install the SIM card. The SIM card is loaded with your subscription details, such as your PIN, available optional services, and many other features. If desired, you can also install an SD card to store media for use with 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 205.

Also included is important safety information that you should know before using your phone. This information is available near the back of the guide, beginning on page 195.

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

Unless otherwise specified, all instructions in this manual assume you are starting from the Home screen and using the available keys.

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

Throughout 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.

Example: From the Home screen, press  (Menu) → Settings → Wireless and network → Bluetooth settings.

Battery Cover

The battery, SIM card and SD card are installed under the battery cover.

Important! Before removing or replacing the battery cover, make sure the phone is switched off. To turn the phone off, hold down the key until the power-off image displays, then tap **Power off**.

To remove the battery cover:

1. Hold the device firmly and locate the cover release latch.

2. Place your fingernail in the opening and firmly “pop” the cover off the device.



To replace the battery cover:

- ▶ Position the battery cover over the battery compartment and press down until you hear a click.

SIM Card Overview

Important!: Before removing or replacing the SIM card, make sure the phone is switched off. To turn the phone off, hold down the  key until the power-off image displays, then tap **Power off**.

The SIM card is loaded with your subscription details such as your telephone number, PIN, available optional services, and many other features.

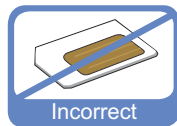
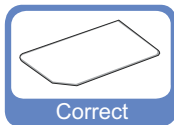
Important!: The SIM card and its information can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

Installing and Removing the SIM card

To install the SIM card:

1. Carefully slide the SIM card into the SIM card socket until the card clicks into place.

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



To remove the SIM card:

1. Remove the battery cover.
2. Carefully place your fingernail into the end of the SIM slot and push the card slightly out.
3. Carefully slide the SIM card out of the SIM card socket.

Note: If the card is not inserted correctly, the phone will not detect it and no service will be available. If this happens, turn off the phone, remove the card, and reinstall the card in the correct orientation.

Installing the microSD Memory Card

Your phone supports an optional (external) microSD™ or microSDHC™ memory card for storage of media such as music, pictures, video and other files. The SD card is designed for use with this mobile phone and other devices.

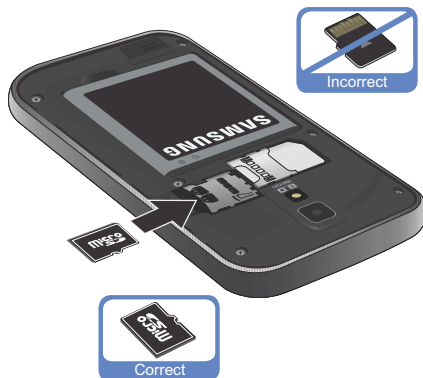
Note: microSD memory cards include capacities of up to 2GB. microSDHC™ memory card types can range from 4GB to up to 32GB.

Note: This device supports up to a 32GB microSDHC memory card. Since the device comes with 16GB of built-in memory, its maximum total storage capacity is 48GB.

1. Remove the battery cover.
2. Locate the microSD card slot on the inside of the phone.

3. Orient the card with the gold contacts facing down.
4. Firmly press the card into the slot and make sure that it catches with the push-click insertion. For more information on how to use the SD card see “Memory Card” on page 43.

Important! Be sure to align the gold contact pins on the card with the phone's contacts.



Removing the microSD Memory Card

1. Remove the battery cover.
2. Firmly press the card into the slot and release it. The card should pop partially out of the slot.
3. Remove the card from the slot.
4. Replace the battery cover.

Battery

Before using your phone for the first time, install the battery and charge it fully.

Important! Before removing or replacing the battery, make sure the phone is switched off. To turn the phone off, hold down the  key until the power-off image displays, then tap **Power off**.

Installing the Battery

1. Slide the battery into the compartment (1) so that the tabs on the end align with the slots at the bottom of the phone, making sure the connectors align.
2. Gently press down to secure the battery (2).

Removing the Battery

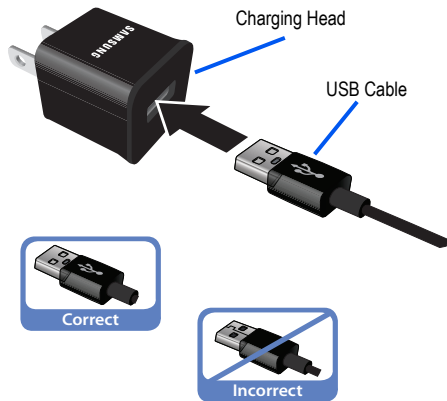
- Grip the battery at the top end (3) and lift it up and out of the battery compartment (4).



Charging the Battery

Your phone is powered by a rechargeable Li-ion battery. A wall charger, which is used for charging the battery, is included with your phone. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

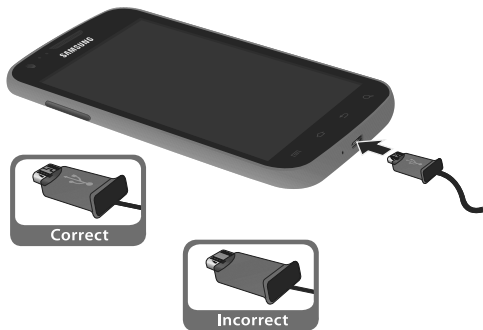
Before using your phone for the first time, you must fully charge the battery. A discharged battery recharges fully in approximately four hours.



Note: Verify that the battery is installed prior to connecting the wall charger. If both the wall charger is connected and the battery is not installed, the handset will power cycle continuously and prevent proper operation. Failure to unplug the wall charger before you remove the battery, can cause the phone to become damaged.

Important! It is recommended you fully charge the battery before using your device for the first time.

1. Connect the USB cable to the charging head.
2. Locate the Charger/Accessory jack (1).
3. Insert the USB cable into the device's Charger/Accessory jack (2).
4. Plug the charging head into a standard AC power outlet.
The device turns on with the screen locked and indicates both its charge state and percent of charge.



Note: This illustration displays both the **correct** and **incorrect** orientation for connecting the charger. If the charger is incorrectly connected, damage to the accessory port will occur therefore voiding the phone's warranty.

5. When charging is finished, first unplug the charger's power plug from the AC wall outlet, then disconnect the charger's connector from the phone.

Important! 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.

Low Battery Indicator

When the battery level is low and only a few minutes of talk time remain, a warning tone sounds and the "Low battery" message repeats at regular intervals on the display. In this condition, your phone conserves its remaining battery power, by dimming the backlight.

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

Extending Your Battery Life

Active applications, light levels, Bluetooth usage, and GPS functionality all act to drain your battery. The following is a list of helpful tips that can help conserve your battery power:

- Reduce your backlight on time.
- Turn Bluetooth off when not in use.
- Turn Wi-Fi off when not in use.
- Deactivate the GPS when not needed. Most applications using this function will periodically query the GPS satellites for your current location; each query drains your battery.
- Do not wait until your battery is completely depleted before charging your device. Repeating this process of a complete discharge and recharge can over time reduce the storage capacity of any battery.
- Turn off Automatic application sync.
- Use the Power Savings Widget to deactivate hardware functions such as Wi-Fi, Bluetooth, GPS, Synchronization, or LCD brightness setting.
- Check the Battery use screen to review what features or functions have been consuming your battery resources.
- Check the Running Services and close any unnecessary applications.
- Use the Task Manager feature to end/shutdown background applications that are still running. These minimized applications can, over time, cause your device to “slow down”.
- Turn off any streaming services after use (see Running Services).

- Animated wallpapers use processing power, memory, and more power. Change your Live Wallpaper to a non-animated Wallpaper gallery or Gallery image.

Power Savings

The Power Savings application was designed to quickly activate (turn on), or deactivate (turn off) those functions or applications that use the most battery power.

1. From the Home screen, touch and hold an empty area until the **Add to Home screen** menu displays.
2. Tap **Widgets** → **Power savings**. The Power Control shortcut is added to the current screen.
3. Tap any of the icons on the Power Savings shortcut bar to activate/deactivate the feature.



Note: A green bar displayed beneath the icon means the application is active (turned on). The green bar is removed from beneath the icon when the feature is deactivated (turned off).

Turn your Phone On and Off

To turn your phone on, press and hold . Your phone will automatically connect to the network. When you turn on your phone for the first time, follow the on-screen instructions to set up your phone. Once the phone has been configured, you will not be prompted with these screens again.

Important!: Before the initial configuration, you quickly access emergency services by tapping **Emergency call** and using the on-screen dialer.

To turn your phone off, Press and hold .

Locking and Unlocking the Phone

By default, the phone screen locks when the backlight turns off.

- Place your finger on the screen and swipe the glass in any direction to unlock the phone.



Note: You can choose to configure lock settings to prevent unauthorized use of your phone. For more information, refer to “Use Visible Pattern” on page 180.

Creating a New Google Account

You should create a Google™ Account when you first use your device in order to fully utilize the functionality. This account provides access to several device features such as Gmail, Google Maps, Google Search, and the Android Market applications. Before you are able to access Google applications, you must enter your account information. These applications sync between your device and your online Google account.

If you did not create a Google account when setting up your device, or need to create an additional account, you can create a new Google account at any time.

To create a new Google Account from your phone:

1. From the Home screen, tap  (Applications) → **Settings** → **Accounts and sync** → **Add account** → **Google**.
2. Read the introduction and tap **Next** → **Create** to begin.
3. Follow the on-screen instructions.

Note: If you already have a Google account, you only need to sign in.

To create a new Google Account from the Web:

1. From a computer, launch a Web browser and navigate to

www.google.com.

2. On the main page, click **Sign-in** → **Sign up for a new Google Account**.
3. Follow the on-screen prompts to create your free account.
4. Look for an email from Google in the email box you provided, and respond to the email to confirm and activate your new account.

Signing into Your Google Account

1. Launch an application that requires a Google account (such as Android Market or Gmail).
2. Click **Next** → **Sign in**.
3. Tap the **Username** and **Password** fields and enter your information.
4. Tap **Sign in**. Your device communicates with the Google servers to confirm your information.
5. If prompted, create a new Gmail username by entering a prefix for your **@gmail.com** email address.

Retrieving your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From your computer, use an Internet browser and navigate to <http://google.com/accounts>.
2. Click on the **Can't access your account?** link.
3. Enter the email address used to sign in to your Google account or your Gmail username and click **Submit**. Follow the password recovery procedure.

Voice Mail

Setting Up Your Voice Mail

If your account includes voicemail, your device automatically transfers all unanswered calls to voicemail, even if your device is in use or turned off. To use voicemail, you need to activate your voicemail account.

Important!: Always use a password to protect against unauthorized access.

Note: Voicemail setup may be different depending on your network.

1. From the Home screen, tap  and then touch and hold

the  key until the phone dials voice mail.

You may be prompted to enter a password.

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

Accessing Your Voice Mail

You can access your Voice Mail directly using the keypad or using the Voicemail application.

. To access Voicemail using the keypad:

1. From the Home screen, tap  and then touch and hold  until the phone dials voice mail.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your passcode.
4. Tap an on-screen voicemail message to play it back.

Task Manager

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

Sometimes your device might seem to slow down over time, and the biggest reason for is background applications. These are applications that were not properly closed or shut down and are still active but minimized. The Task Manager lets you see which of these applications are still active in the background and choose applications to close.

Note: The more applications running on your phone, the higher the energy drain on your battery.

Task Manger Overview

- From the Home screen, tap  (Applications) → Task Manager ().

– or –

Press and hold  then tap Task manager.

This screen contains the following tabs:

- **Active applications** display those currently active applications running on your phone.

- **Downloaded** displays any installed packages or applications from the Market that are taking up memory space. Tap **Uninstall** to remove them from your phone.
- **RAM** displays the amount of RAM (Random Access Memory) currently being used and allow you to **Clear Memory** (close all inactive and background applications).
- **Storage** displays a visual graph indicating the available and used storage space within the System storage, USB storage, and External SD card.
- **Help** provides additional battery saving techniques.

Shutting Down an Currently Active Application

1. From the Home screen, tap  → Task Manager ().
2. From the **Active applications** tab, tap **Exit** to close selected applications or tap **Exit all** to close all running background applications.

Troubleshooting

System Reset

If your device has fatal errors, hangs up, or is frozen and unresponsive, you may need to reset the device to regain functionality.

- Press and hold the Power/Lock Key for 8 to 10 seconds.

Android System Recovery

Android System Recovery is used to restore the phone's system software to the original as-shipped state and delete all user data. Under normal operating conditions you should never need to perform a system recovery.

Note: If you entered this menu by mistake, use the Volume Up/Down keys to select **reboot system now**, then press the Power key. Your phone will then continue to boot up.

To enter the Android System Recovery mode, follow these steps:

1. With the phone turned off, press the Power key and both Volume keys at the same time until the phone switches on.
2. When the start-up screen appears, release the Power key while continuing to press the Volume Up/Down keys.
3. Continue to press the Volume Up/Down keys for at least 8 seconds, until Recovery mode is launched and the Android System Recovery screen displays the following options:
 - **reboot system now**: this option restarts your phone without making any changes.
 - **apply update from sdcard**: this option allows you to apply updates from your memory card to your phone.

- **wipe data/factory reset**: erases all data from the phone and resets all settings to factory default values. It does not delete content stored on an inserted microSD card.
- **wipe cache partition**: allows you to delete all cache data such as log files.

4. Release the Volume Up/Down and Power keys.
5. Use the Volume Up/Down keys to scroll to **wipe data/factory reset**, then press  to select the option.

Safe Mode

You can boot your phone into Safe Mode if you wish to troubleshoot whether added applications are causing problems with the device. Safe mode will only load basic system software.

1. Make sure your phone is turned off.
2. Press and hold the power key () to boot up your device.
3. After the start-up animation starts to display, continually tap the  key until the backlight turns on behind the four bottom keys.
4. Press and hold the  key.

When the Home screen is displayed, **Safe mode** is displayed in the lower left corner of the screen.

Section 2: Understanding Your Phone

This section outlines key features of your phone. It also describes the phone's keys, screen and the icons that display when the phone is in use.

Features of Your Phone

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

- Touch screen with virtual (on-screen) QWERTY keyboard
- High Speed Packet Access Plus (HSPA+) delivering data speeds faster than the current 3G network technology.
- Android 2.3
- Compatible with Adobe® Flash® technology
- Wi-Fi® Capability
- USB Tethering-capable
- Bluetooth enabled
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Corporate and Personal Email
- 8 Megapixel Camera and Camcorder with autofocus, multi-shot and digital zoom
- MP3 Player with multitasking features

- Over 150,000 Apps available to download from the Android Market™
- Social Hub to integrate all of your favorite social networking sites
- Polaris Office® for document viewing and editing
- Assisted GPS (Google Navigation)
- 16 GB built-in memory
- Up to 32GB expandable storage slot
- 2 MP Front Facing camera for video chat
- Mobile Hotspot Capability
- SWYPE™ text input technology
- HD Video Player (720p)
 - Codec: MPEG4, H.264, H.263, VC-1, XviD, WMV7/8, VP8, MP43
 - Format: 3GP (MP4), WMV (ASF), AVI, and DivX®
- DivX Certified® to play DivX® video up to HD 720p, including premium content
- Kies Air to wirelessly sync your PC with your phone via a Wi-Fi connection
- AllShare™ to share your media content across DLNA certified devices

Front View

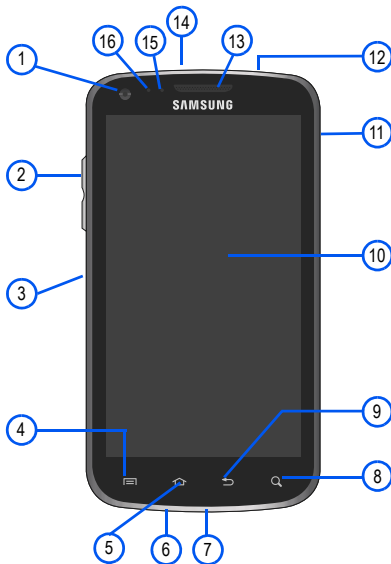
The following illustrations show the main elements of your phone:

The following list correlates to the illustrations.

1. **Front Facing Camera** allows you to take pictures while facing the screen and allows you to video conference.

Note: Video recorded in Portrait mode is reversed during playback.

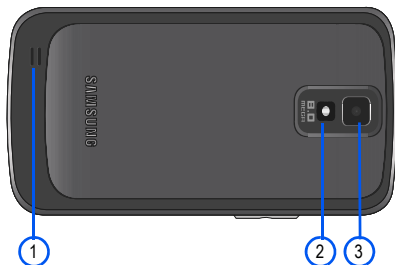
2. **Volume key** allows you to adjust the ringer volume in standby mode (with the phone open) or adjust the voice volume during a call. When receiving an incoming call, pressing the volume key down mutes the ring tone.
3. **microSD Card Slot** (internal) allows you use a microSD card to expand the memory of your phone.



4. **Menu key** displays a list of options available for the current screen. From the Home screen it displays Add, Wallpaper, Search, Notifications, Edit, and Settings options.
5. **Home key** displays the Home screen when pressed.
6. **Microphone** is used during phone calls and allows other callers to hear you clearly when you are speaking to them.
7. **USB Power/Accessory connector** allows you to connect a power cable or optional accessories such as a USB/data cable.
8. **Quick search** searches the device for applications and contact information, and searches the internet for information.
9. **Back key** redisplay the previous screen or clears entries.
10. **Display** shows all the information needed to operate your phone, such as the connection status, received signal strength, phone battery level, and time.
11. **Power/End key** ends a call or switches the phone off and on. Press and hold for two seconds to turn the phone on or off.
12. **Headset jack** allows you to connect a hands-free headset so you can listen to music.
13. **Receiver** allows you to hear the other caller and the different ring tones or sounds offered by your phone.
14. **Microphone:** used to capture and record sound.
15. **Proximity Sensor** detects how close an object is to the surface of the screen. This is typically used to detect when your face is pressed up against the screen, such as during a phone call.
 - While talking on the phone, the sensor detects talk activity and locks the keypad to prevent accidental key presses.
16. **Light Sensor** lets you use the ambient light level to adjust the screen brightness/contrast.
 - In a bright light condition (outdoors), the sensor causes the device to increase the brightness and contrast for better viewing.
 - In dim light conditions, the device decreases the screen brightness to compensate.

Back View of Your Phone

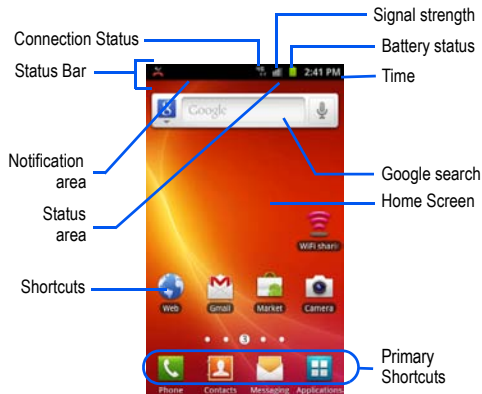
The following illustration shows the external elements of your phone:



1. **External speaker** allows you to hear ringers, music, and other sounds provided by your phone.
2. **Flash** is used to take photos in low-light conditions.
3. **Camera lens** is used to take photos.

Phone Display

Your phone's display provides information about the phone's status, and is the interface to the features of your phone. The display indicates your connection status, signal strength, battery status and time. Icons display at the top of the phone when an incoming call or message is received and also alerts you at a specified time when an alarm was set. The screen also displays notifications, and Application (or shortcut) bar with four icons: Phone, Contacts, Messaging, and Applications.



Display settings

In this menu, you can change various settings for the for the wallpaper, brightness or backlight.

- From the Home screen, tap  (Applications) →  (Settings) → **Display**. For more information, refer to “Display Settings” on page 176.

Status Bar

The Status Bar shows information about the connection status, signal strength, phone battery level, and time, and displays notifications about incoming messages, calls and other actions.

This list identifies the icons you see on your phone’s display screen:

Indicator Icons

This list identifies the symbols you’ll see on your phone’s display and Indicator area:



Displays your current signal strength. The greater the number of bars, the stronger the signal.



Indicates that the Flight Mode is active. You cannot send or receive any calls or access online information.



Indicates there is no signal available.



Displays when there is no SIM card in the phone.



Displays when there is a system error or alert.



Displays when a call is in progress.



Displays when a call is on hold.



Displays when you have missed an incoming call.



Displays when the speakerphone is on.



Displays when the microphone is muted.



Displays when Call forwarding is set to Always forward. For more information, refer to “Additional Settings” on page 173.



Shows your current battery charge level. Icon shown is fully charged.



Displays when your current battery is 100 percent charged. This icon is followed by an audible beep.



Displays when your battery is charging.



Displays when your current battery charge level is very low.



Shows your current battery only has three percent power remaining and will immediately shutdown. Represented as a blinking icon.



Displays when connected to an EDGE network.



Displays when your phone is communicating with an EDGE network.



Displays when connected to a 3G network.



Displays when your phone is communicating with a 3G network.



Displays when connected to an HSPA+ network.



Displays when your phone is communicating with an HSPA+ network.



Displays when the phone is connected to a computer via USB cable connection.



Displays when there is a new text message.



Displays when an outgoing text message has failed to be delivered.



Displays when there is a new voicemail message.



Displays in the notifications window when there is a new Email message.



Displays in the notifications window when there is a new Gmail message.



Displays when the time and date for a Calendar Event has arrived. For more information, refer to “Calendar” on page 161.



Displays when an alarm is set. For more information, refer to “Setting an Alarm” on page 162.



Displays when the phone is in Silent mode. All sounds except media and alarms are silenced. For more information, refer to “*Silent mode*” on page 174.



Displays when the Sound profile is set to Silent mode and Vibrate is set to Always or Only in silent mode.



Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.



Displays when Bluetooth technology is active and enabled.



Displays when the Bluetooth technology is active and communicating with an external device.



Displays when the an outbound file transfer is in progress.



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



Displays when Wi-Fi is active and there is an available open wireless network.



Displays when Wi-Fi is configured to a Direct Connection mode.



Displays when the Mobile AP Hotspot feature is active and communicating. For more information, refer to “*Portable Wi-Fi Hotspot*” on page 159.



Displays when the USB Tethering feature is active and communicating. For more information, refer to “*Tethering and portable hotspot*” on page 168.



Displays when your phone is connected to a PC using Kies air.



Displays when your phone is connected to a Digital Living Network Alliance (DLNA) certified device using the AllShare application.



Displays in the notifications window when a song is playing.



Displays when your phone's GPS is on and communicating.



Displays when the external SD card (internal microSD) has been disconnected (unmounted) from the phone and is now ready for either removal or formatting.



Displays when the contents of the microSD card are being scanned.



Displays when the External SD card is being prepared for mounting to the device. This is required for communication with the External SD card.



Displays when the phone's microSD card has been improperly removed.



Displays when the phone has detected an active USB connection.



Displays when Power saving mode is enabled.



Displays when the Power saving alert notification has been activated. You are then prompted to view your current battery level.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 165.

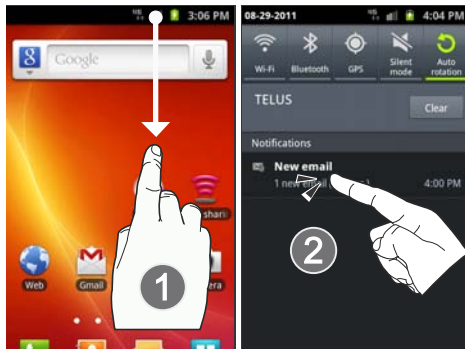
Notification Bar

The Notification area indicates new message events (data sync status, new messages, calendar events, call status, etc). You can expand this area to provide more detailed information about the current on-screen notification icons.

1. Tap and hold the Status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open

the Notifications panel (1).

2. Tap a notification entry to open the associated application (2).



Note: The Notifications panel can also be opened on the Home screen by pressing  and then tapping **Notifications**.

Clearing Notifications

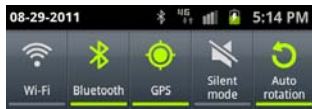
1. Tap the status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open the

Notifications panel

2. Tap **Clear**. The notifications are cleared from the panel.

Accessing Additional Panel Functions

In addition to notifications, this panel also provides quick and ready access to five device functions. These can be quickly activated or deactivated.



The following functions can either be activated (green) or deactivated (white): **Wi-Fi**, **Bluetooth**, **GPS**, **Silent mode**, and **Auto rotation**.

Function Keys

Your phone comes equipped with four main function keys that can be used on any screen: **Home**, **Menu**, **Back** and **Search**.

Home Key

The **Home** key () takes you back to your Home screen (#3 of the 5 available screens).

- Press and hold to launch the Recent apps/Task manager screen. For more information, refer to “*Accessing Recently-*

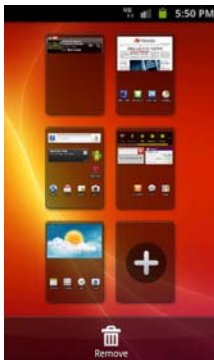
Used Applications” on page 31.

Menu Key

The **Menu** key () activates an available menu function for the current screen or application. When on the Home screen, the following menu options are available:

- **Add** () adds one of the following functions to a selected screen: Widgets, Shortcuts, Folders, and Wallpapers.
- **Wallpaper** () lets you to customize the current screen's wallpaper image by choosing from either Gallery, Live Wallpaper or Wallpaper gallery).
 - You can obtain images from your Pictures folder, from the Wallpaper gallery, or from the animated Live Wallpapers.
- **Search** () displays the Google Search box that you can use to search for a key term on the phone and online.
- **Notifications** () expands the popup notifications area to provide more detailed information about the current on-screen notification icons.

- **Edit** () allows you to add or remove extended screens from your device. You can have up to six extended screens (one Home screen and six Extended screens).



- **Settings** () provides quick access to the device's settings menu.
 - The Settings menu can also be accessed by pressing  and then tapping  → **Settings**.

Back Key

The **Back** key () returns you to the previously active screen. If the on-screen keyboard is currently open, this key closes the keyboard.

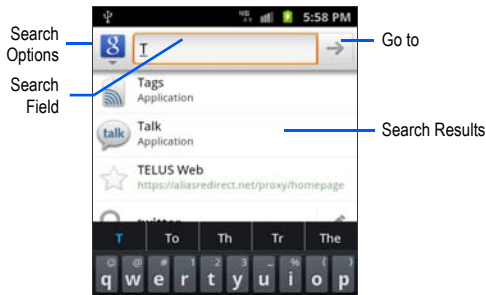
Search Key

The **Search** key () displays the Google Search box that can be used to search for either a key term both on the phone and online. In some instances, this key opens a search box specific only to the current application.

- Press  to launch the Google Search box.

– or –

Press  and tap  → .



Using Google Search

Use the Google Search box to manually search for a term on both your device and on the Web.

1. Press  to launch the Google Search box.
2. Tap  to select a search area:
 - **All** searches your device, the Web, and the Android Market for your search term.
 - **Web** searches for your term only on the Web using the Google search engine.
 - **Apps** searches for your term only within the Android Market.

- **Contacts** searches for your term only within your current Contacts entries.

- **Searchable items** configures what is searched on the phone.

3. Enter a search term into the search field and tap a match from the list of suggestions, phone search results, or previously chosen search matches. Once touched, the item opens in the appropriate application.

– or –

Tap **Voice Search** () and speak a search term into your device's microphone.

Using Additional Voice Search Functions

For more information, refer to:

<http://www.google.com/mobile/voice-actions/>.

From an open Voice Search dialog, speak the following words to access additional features:

- **listen to [artist/song/album]** allows you to begin listening to the selected song.
- **send text [recipient] [message]** allows you to open the Messaging screen.
- **navigate to [address/city/business name]** allows you to receive directions via Google maps™. Use either an Address name, Business

name, business type, or other navigation information to get the desired directions.

- **call [name]** allows you to open the phone dial and automatically
- **send email [recipient] [subject]** allows you to open your email account and compose a new email message.
- **map of [location]** allows you to view a map of an area via Google maps. Use either an Address name, Business name, zip code, or other navigation information.
- **go to [website]** opens the browser and navigates to the specified website.
- **note to self [message]** allows you to send a message to your own Gmail account.
- **directions to [location]** using your current location, allows you to receive directions to a selected destination.

You can also search Google by speaking a series of search parameters, e.g., "pictures of a beach at sunset".

Home Screen

The Home screen is the starting point for using the applications on your phone. There are initially five available panels, each populated with default shortcuts or applications. You can customize each of these panels.



- **Notification area** displays those icons associated with end-user notifications such as: email messages, calls (missed, call in progress), new voicemail, upcoming event, USB connection, emails, and Text/MMS messages.
 - These notifications appear at the top-left of the screen (within the Status bar area) and display important user information.
 - This information can be accessed by either swiping down from the Status bar (page 21) or by accessing the Notifications panel [ > **Notifications** ()].
- **Status area** displays those icons associated with the status of the device such as communication, coverage, Bluetooth, 4G/3G, Wi-Fi communication, battery levels, GPS, etc.
- **Home Screen** is a customizable screen that provides information about notifications and device status, and allows access to application Widgets.
- **Extended Home Screens** extend beyond the current visible screen width to provide more space for adding icons, widgets, and other customization features.
 - There are six available extended screens (panels), each of which may be populated with its own shortcuts or widgets. The three Primary Shortcuts remain at the bottom of each screen.
 - The current screen is indicated at the bottom by a circle around one number of the screen counter. Up to seven screens are available.

Note: Both the status bar and primary shortcuts are visible across all screens.

- **Google search** is an on-screen Internet search engine powered by Google™. Touch to access the Voice Search feature where you can verbally enter a search term and initiate an online search.
 - Tap **Voice Search** () to launch the Voice Search function from within this Google widget.
- **Widgets** are self-contained on-screen applications (not shortcuts). These can be placed onto any of the available screens (Home or extended).
- **Shortcuts** are icons that launch available device applications such as Camera, YouTube, Voicemail, Contacts, etc.
 - Some shortcuts are already available on the Extended Home screens.
 - The Application screens can be accessed by tapping  (**Applications**) from the Primary shortcuts area.
 - Shortcuts can be removed from a screen and restored any number of times.
- **Primary Shortcuts:** are four shortcuts present on all of the available screens that can be used to navigate within the device and launch the following functions:
 - **Phone** () launches the phone-related screen functions (Keypad, Logs, Contacts, Favourites and Groups).
 - **Contacts** () launches the Contacts-related screens (Keypad, Logs, Contacts, Favourites, and Groups).

- **Messaging** () launches the Messaging menu (create new messages or open an existing message string).
- **Applications/Home** toggles functionality between the Home and Application screens.
 - Tap  (**Applications**) to access the Application screens that display all available local application.
 - While in the Applications screens, tap  (**Home**) to return to the Home screen.

As you transition from screen to screen, the screen counter (located at the bottom) displays the current panel number in a circle.

Widget

Counter displays the currently active screen



Screen Navigation

Using the touch screen display and the keys, you can navigate the features of your phone and enter characters. The following conventions are used in this manual to describe the navigation action in the procedures.

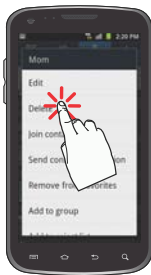
Navigating Through the Screens

The following terms describe the most common hardware and on-screen actions.

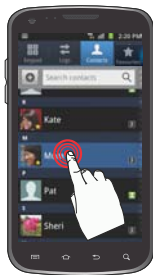
Press and hold



Tap



Touch and hold

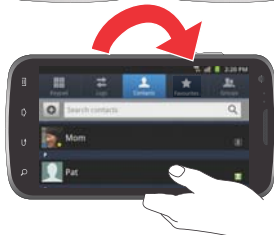


- **Press and hold:** Pressing relates to use of the hardware keys and buttons to select or activate an item. For example: press the Navigation key to scroll through a menu. Some buttons and keys require you to press and hold them to activate a feature, for example, you press and hold the Lock key to lock and unlock the phone.
- **Tap:** Use a brief touch to select items on the display or to enter text on the virtual QWERTY keyboard. For example: touch an Application icon to open the application. A light touch works best.
- **Touch and hold:** Touch and hold an icon or key to open the available options, or to access a pop-up menu. For example: press and hold the Home screen to access a menu of customization options.
- **Swipe or slide:** Quickly drag your finger vertically or horizontally across the screen. This allows you to move the area of focus or to scroll through a list. For example: slide your finger left or right on the Home screen to scroll among the panels.
- **Flick:** Move your finger in lighter, quicker strokes than swiping. This finger gesture is always used in a vertical motion, such as when flicking through contacts or a message list.
- **Drag:** Press and hold your finger with some pressure then start to move it. Do not release your finger until you have reached the target position.

Flick



Swipe or slide
and Drag



Rotate

- **Rotate:** Automatically change the screen orientation from portrait to landscape by turning the device sideways. For example: rotate to landscape orientation when entering text, to provide a larger keyboard, or when viewing web content to minimize scrolling.

- **Pinch:** "Pinch" the screen using your thumb and forefinger to zoom out when viewing a picture or a Web page. (Move fingers together to zoom out.)
- **Spread:** "Spread" the screen using your thumb and forefinger to zoom in when viewing a picture or a Web page. (Move fingers apart to zoom in.)



Pinch (Zoom Out)



Spread (Zoom In)

Motion Navigation and Activation: The phone is equipped with the ability to assign specific functions to certain phone actions that are detected by both the accelerometer and gyroscope.

Note: Motion must be enabled for this feature to be active. For more information, refer to “*Motion Settings*” on page 186.

Menu Navigation

You can tailor the phone’s range of functions to fit your needs using both menus and applications. Menus, sub-menus, and features are accessed by scrolling through the available unscrewed menus. Your phone defaults with five home screens.

Navigating Through the Application Menus

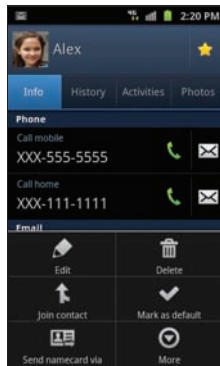
There are three default Application Menus available. As you add more applications from the Android Marketplace, more screens are created to house these new apps.

1. Press  and then tap  (**Applications**). The first Application Menu displays.
 - To close the Applications screen, tap  or press .
2. Sweep the screen to access the other menus.
3. Tap any of the on-screen icons to launch the associated application.

Using Sub-Menus

Sub-menus are available from within most screens and applications.

1. Press . A sub-menu displays at the bottom of the phone screen.
2. Tap an option.

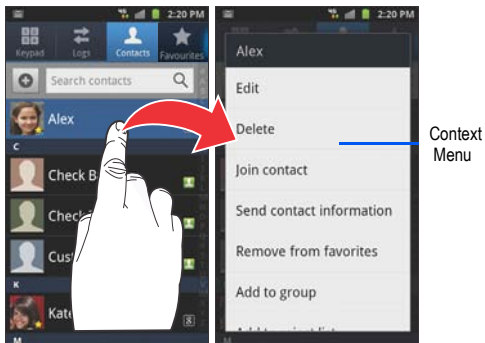


Sub-Menu items

Using Context Menus

Context menus (also called pop-up menus) contain options that apply to a specific item on the screen.

- ▶ Touch and hold an item on-screen to open its context menu.



Accessing Recently-Used Applications

1. Press and hold  to open the recently-used applications window.

Note: This recent applications screen also provides access to the **Task Manager**.

2. A pop-up displays the six most recently used applications.
3. Tap an icon to open the recent application.

Applications

The Application menu provides quick access to the most frequently used applications. Applications display on each of the panels on the Applications screens.

The following table contains a description of each application available via both the Primary shortcuts area and the Applications screens. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided. For information on navigating through the Applications icons, see “*Navigating Through the Application Menus*” on page 30.



Accounts and sync

Allows you to add applications and determine which type of account information you want to synchronize with your Contact list. For more information, refer to “*Accounts and Synchronization*” on page 185.



AllShare

Allows you to share your on-device media content with other external devices using DLNA (Digital Living Network Alliance) and built-in AllShare™ technology. Samsung's AllShare makes staying connected easy. For more information, refer to “*AllShare*” on page 125.



Calculator

Launches the on-screen calculator application. When held vertically, the calculator provides basic arithmetic functions: addition, subtraction, multiplication, and division. When held horizontally it can be used as a scientific calculator. For more information, refer to “*Calculator*” on page 127.



Calendar

Launches a calendar application that syncs to your Facebook™, Google™, or Microsoft Exchange calendars. For more information, refer to “*Calendar*” on page 161.



Camera

Launches the built-in camera application from where you can take a picture with either the front or rear facing cameras. For more information, refer to “*Using the Camera*” on page 106.

In addition to taking photos, the built-in camera also functions as a camcorder that also allows you to record, view, and send high definition videos. For more information, refer to “*Using the Camcorder*” on page 114.



Clock

Allows you to set an alarm, configure and view the World clock, use a stopwatch or timer and configure a desk clock. The applications display in a tabular format and are quickly accessed with the touch of a finger.

For more information refer to Clocks on page 162, World clock on page 164, Stopwatch on page 164, Setting a Timer on page 164, or Configuring a Desk Clock on page 164.



Contacts

You can manage your contacts by storing their name and number in your Address Book. Entries can be sorted by name, entry, or group. For more information, refer to “*Contacts List*” on page 73.



Downloads

Provides quick access to tabs containing a list of your downloaded files (Internet and Other). For more information, refer to “*Downloads*” on page 128.



Email

Provides access to both Outlook (Exchange Server-based) email and Internet email accounts (such as Gmail and Yahoo! Mail). For more information, refer to “*Email*” on page 95.



Files

Lets you view supported image files and text files on the phone and a mounted microSD card. Organize and store data, images, and more in your own personal file folders. For more information, refer to “*Files*” on page 117.



Gallery

Displays a Gallery of camera images and video stored in the phone or microSD card. For more information, refer to “*The Gallery*” on page 118.



Gmail

Provides access to your Gmail account. Gmail (Google Mail) is a web-based email service. For more information, refer to “*Using Gmail*” on page 103.



Google Search

Provides an on-screen Internet search engine powered by Google™. For more information, refer to “*Using Google Search*” on page 24.



Kies air

Allows you to sync your Windows PC wirelessly with your phone (as long as both are on the same Wi-Fi network). You can now have real-time access of your phone through your PC to view call logs, videos, photos, bookmarks, IMs, and even send SMS messages directly from your home computer. For more information, refer to “*Kies Air*” on page 155.



Latitude

Lets you see your friends' locations and share yours with them. The application lets you see locations on a map or in a list. It also lets you send instant messages and emails, make phone calls, and get directions to your friends' locations. For more information, refer to "*Latitude*" on page 130.



Maps

Launches a Web-based dynamic map that helps you find local businesses, locate friends, view maps and get driving directions. For more information, refer to "*Maps*" on page 131.



Market

Allows you to find and download free and for-purchase applications on Android Market. For more information, refer to "*Downloading a New Application*" on page 133.



Memo

Lets you create and save text memos. For more information, refer to "*Memo*" on page 134.



Messaging

Provides access to text and multimedia messaging (SMS and MMS). For more information, refer to "*Creating and Sending Messages*" on page 90.



Mini Diary

The Mini Diary allows you to keep a diary of your daily activities and also attach pictures. For more information, refer to "*Mini Diary*" on page 135.



Music

Launches the built-in Music Player that allows you to play music files that you have stored on your phone or microSD card. You can also create playlists. For more information, refer to "*Music*" on page 121.



Music Hub: Provides you with a one stop shop for purchasing music tracks.



Navigation

Launches a Web-based navigation application.

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

For more information, refer to "*Navigation*" on page 137.



News & Weather

Launches a Web-based news and weather feed based on your current location. For more information, refer to “*News & Weather*” on page 139.



Photo Editor

Provides basic editing functions and picture effects for pictures you have taken on your phone. For more information, refer to “*Photo Editor*” on page 112.



Places

Displays location information on a layer of Google Maps. When viewing an area you can quickly locate a business or person, find out more information about the business, see coupons, public responses, and more. For more information, refer to “*Places*” on page 139.



Polaris Office

Polaris Office® Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline. For more information, refer to “*Polaris Office*” on page 140.



Readers Hub: With the Readers Hub application, you can read books, favorite newspapers, and emagazines all delivered to your device via 3G wireless or Wi-Fi. For more information, refer to “*Readers Hub*” page 139.



Samsung Apps: Samsung Apps allows you to easily download an abundance of useful applications to your phone.



Settings

Accesses the device's built-in Settings menu. For more information, refer to “*Changing Your Settings*” on page 165.



Social Hub

Allows you to easily and intuitively satisfy all of your communication needs from within a single-user interface. E-mails, instant messaging, social network contents, and calendar contents from all major service providers are available. For more information, refer to “*Social Hub*” on page 141.



Tags

This application is used for organizing and sharing Near Field Communication (NFC) tags. You can scan a tag by turning on your device and placing it near the tag.. For more information, refer to “Tags” on page 142.



Talk: Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to “Talk” on page 142.



Task

Allows you to keep track of both your current and upcoming tasks. You can also sync these tasks with different accounts. For more information, refer to “Task” on page 142.



Task Manager

Use Task Manager to see which applications are running on your phone, and to end running applications to extend battery life. For more information, refer to “Task Manager” on page 143.



Videos

Launches your device’s built-in video application that plays video files stored on the phone or a microSD card. For more information, refer to “Using the Video Player” on page 119.



Voice Command

Allows you to use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, sending a text message, playing music, etc. For more information, refer to “Using Voice Command” on page 49.



Voice Recorder

Allows you to record an audio file up to one minute long and then immediately share it with others. For more information, refer to “Voice Recorder” on page 144.



Voice Search

Launches Voice Actions for Android voice recognition software that lets you search, control and communicate based on the recognized text. For more information, refer to “Voice Search” on page 144.



Voice Talk

Launches the Samsung voice application that lets you use voice recognition to initiate many common tasks without having to touch the phone, including: Call, Text, Navigate to, Play music, Memo, Driving mode, Go to, Check Schedule, Search. For more information, refer to “Voice Talk” on page 144.



Web

Open the browser to start surfing the web. The browser is fully optimized and provides advanced functionality to enhance the Internet browsing capabilities of your phone. For more information, refer to “Web” on page 146.



YouTube

Launches the YouTube webpage using the browser. For more information, refer to “YouTube” on page 124.

- Adding, Deleting, and Rearranging screens
- Adding and Removing Shortcuts
- Adding and Removing Widgets
- Creating Folders
- Changing the Background (Wallpapers)

Customizing the Screens

You can customize the Home screens (panels) to display Widgets, Shortcuts, Folders, or Wallpapers. For example, one screen could contain the Music Player shortcut and other forms of media, while another screen might contain communication apps such as Gmail.

You can customize your Home screen by doing the following:

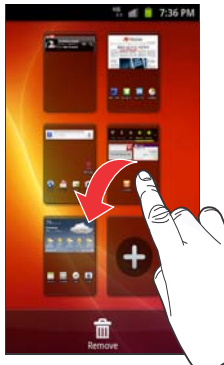
Adding and Deleting Screens

Your phone can have from one to seven Home screens. You can add, rearrange and delete these screens to meet your requirements.

Important!: Your phone must have at least one Home screen and can have a maximum of seven screens.

To delete a screen:

1. Press  →  and then tap  (Edit).
2. Touch and hold, then drag the undesired screen down to the **Remove** tab ().
3. Press  to return to the main Home screen.



To add a screen:

1. Press  →  and then tap  (Edit).
2. Tap the **Add** icon (). The newly added screen appears as the last page.
3. Press  to return to the main Home screen.

Rearranging the Screens

1. Press  →  and then tap  (Edit).
2. Touch and hold a screen and then drag it into its new location. Upper left is screen position #1 and bottom right is the last screen.

Adding and Removing Primary Shortcuts

The device comes with four Primary shortcuts: Phone, Contacts, Messaging, and Applications/Home. As long as the menu is displayed in a **Customizable grid**, you can replace the Phone, Contacts, and Messaging shortcuts with other applications so you access the shortcuts that are most frequently used.

1. Press  and then tap  (Applications).
2. Press  and then tap **View Type** → **Customizable grid**.

3. Press  and then tap **Edit** → **OK**. The application pages appear at the top of the screen, the primary shortcuts appear at the bottom, and you have the option to also generate a new folder or page to house these application shortcuts.
4. Scroll through the application pages at the top and locate the desired application.
5. Touch and hold the on-screen icon, then drag it over one of the four primary shortcuts to replace it.
 - The new primary shortcut displays at the bottom of the screen. The previous primary shortcuts switches places with your selected icon.
6. Press  and then tap **Save**.
7. Tap  to return to the Home screen.

Managing Shortcuts

Note: To move a shortcut from one screen to another, carefully touch and hold the shortcut and slowly drag it to the edge of the screen. As the shortcut turns light blue, you can begin to move it to the adjacent screen. If you have trouble with this procedure, you can also delete the shortcut from its current screen, activate the new screen and then add the selected shortcut.

To add a shortcut from the Applications screen:

1. Press  to go to the Home screen.
2. Select a location (screen) for your new shortcut by scrolling across your available screens until you reach the desired one.
3. Tap **Applications** () to reveal all your current available applications. By default, applications are displayed as an Alphabetical grid.
4. Scroll across the screens and locate your desired application.
5. Touch and hold the on-screen icon. The new shortcut then appears to hover over the current screen.



6. While still holding the on-screen icon, position it on the current screen. Once complete, release the screen to lock the shortcut into its new position.

To add a shortcut via the Add to Home screen:

1. Press  to go to the Home screen.
2. Navigate to a screen with an empty area.
3. Touch and hold an empty area of the screen.
4. From the **Add to Home screen** window tap **Shortcuts**.
5. Scroll up or down the list and tap a selection.



To delete a shortcut:

1. Press  to go to the Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.

3. Drag the shortcut over the **Remove** tab () and release it.

Adding and Removing Widgets

Widgets are self-contained applications that can be placed on any screen. Unlike shortcuts, widgets appear as applications.

To add a Widget:

1. Press  to go to the Home screen.
2. Touch and hold an empty area of the screen.
3. From the **Add to Home screen** window tap **Widgets**. The available widgets appear within a scrollable area across the bottom of the screen.
4. Scroll left or right across the bottom of the screen and then tap an available Widget to place it on your current screen.



To remove a Widget:

1. Touch and hold a Widget until it unlocks from the current screen.
2. Drag the widget over the **Remove** tab () and release it.
 - As you place the Widget into the Trash, both items turn red.
 - This action doesn't delete the Widget, it just removes it from the current screen.

To place a widget onto a different screen:

1. Touch and hold the widget until it unlocks from the current screen.
2. Slowly drag it past the edge of the screen until the adjacent page appears highlighted and it then snaps onto the new page.
3. Drag the widget to its desired position on the new screen.
4. Repeat these steps to continue moving it to other screens.

Creating and Managing a Folder

Folders hold items that you want to organize and store together on the workspace.

To create a new on-screen folder:

1. Press  to go to the Home screen.
2. Touch and hold an empty area of the screen.
3. From the **Add to Home** menu tap **Folders**.
4. Tap a folder type to place a new folder of that type on the current screen.

Renaming a folder

1. Tap the desired folder you want to rename. This opens its contents on an on-screen popup window.
2. With the folder open, touch and hold the grey Folder title bar (top of the Folder window) until the **Rename folder** pop-up displays.
3. Enter a new title for this folder and tap **Yes**.

Deleting a folder

1. Touch and hold a desired folder. This unlocks it from its location on the current screen.

2. Drag the folder over the **Remove** tab () and release it.

Managing Wallpapers

Wallpapers consist of either Gallery images (user taken), Live wallpapers (animated backgrounds), or Wallpaper gallery (default phone wallpapers).

Note: Selecting animated Live wallpapers requires additional battery power.

To change the current wallpaper:

1. Press  to go to the Home screen.
2. Touch and hold an empty area of the screen.
3. From the **Add to Home screen** window tap **Wallpapers**.
4. Select a Wallpaper:
 - Tap **Gallery** to select from a user image stored in the camera image gallery, crop the image, and tap **Save**.
 - Tap **Live wallpapers** to select from a list of animated backgrounds, once done tap **Set wallpaper**.
 - Tap **Wallpaper gallery**, scroll through the images, tap a wallpaper image, then tap **Set wallpaper**.

Section 3: Memory Card

Your device lets you use a microSD™ (SD) or microSDHC™ card (referred to as an SD card in this guide) to expand available storage space and to enable you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device's SD functionality.

- microSD card storage: up to 2GB in size
- SDHC card storage: up to 48GB in size

SD card Overview

After mounting an SD card in the device you can use your computer to access and manage the SD card.

Important!: If access to the external SD card is not available, download and install the USB drivers.

microSD Icon Indicators

The following icons show your microSD card connection status at a glance:



- the contents of the microSD card are being scanned.



- the card is being prepared for use and for mounting.



- the card has been improperly removed.

Important!: **DO NOT** remove a microSD card while the device is accessing or transferring files. Doing so will result in loss or damage of data. Make sure your battery is fully charged before using the microSD card. Your data may become damaged or lost if the battery runs out while you are using the microSD card.

Mounting the SD Card

An inserted SD card must be mounted to enable its use with your phone. When a card is inserted and the phone turned on, the card is automatically mounted. If you unmount the card for any reason (such as to format the card, see below), it must be mounted before it can be accessed. To mount an SD card:

1. Press  →  and then tap  (**Settings**) → **Storage**.
2. Tap **Mount SD card**.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot. Also the card must be unmounted before it can be formatted to erase all data on the card.

1. Press  →  and then tap  (**Settings**) → **Storage**.
2. Tap **Unmount SD card**.
3. When **Mount SD card** appears in the menu list, the card is unmounted and can be removed or formatted. For more information on removing the card, see “*Removing the microSD Memory Card*” on page 5.

SD card Status

To view the total and available space on your SD card:

- ▶ Press  →  and then tap  (**Settings**) → **Storage**. Total space and Available space are displayed under the USB storage heading.

Erasing Files from the SD card

You can format the SD card to erase all files from the card.

1. Unmount the SD card. For more information, refer to

“*Unmounting the SD card*” on page 44.

2. Tap **Format SD card** → **Format SD card** → **Erase everything** to format the SD card. The phone formats the SD card and erases all the data stored on it.

Factory Data Reset

From this menu you can erase all data from your phone's memory storage (including Google account information, system and application data and settings, and downloaded applications), and reset all phone settings to the factory default. Optionally, you can also erase the USB storage space that contains data stored on the phone (such as music, photos and videos).

1. Press  →  and then tap  (**Settings**) → **Privacy**.
2. Tap **Factory data reset**. This enables the deletion of all data from phone memory.
3. If you also want to erase the USB storage space in the phone, tap **Format USB storage** to place a check mark in the selection box.
4. Tap **Reset phone** → **Erase everything**.

Section 4: Call Functions

This section describes features and functionality associated with making or answering calls, and the Contacts list, which is used to store contact information.

Displaying Your Phone Number

- ▶ Press  →  and then tap  (Settings) → About phone → Status. Your phone number displays in the My phone number field.

Note: The phone's **Settings** menu can also be activated by pressing  and then tapping  (Applications) →  (Settings).

Making a Call

1. Press  and then tap .
 2. Enter the phone number and then tap .
- ▶ If you make a mistake while dialing, tap  to clear the last digit. Touch and hold  to clear the entire sequence.

Note: When you activate the **Auto redial** option in the Call settings menu, the phone automatically redials up to 10 times when the person does not answer the call or is already on the phone, provided your call is not sent to voice mail.

Making a Call to a Contact

You can store information about people you call frequently using the Contacts application and place calls directly from the application. For further information about Contacts, see “Contacts” on page 72.

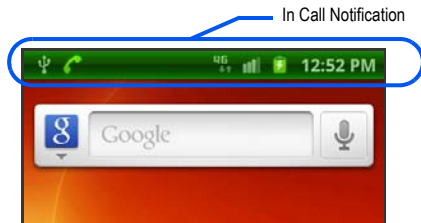
Ending a Call

- ▶ Briefly tap  key to end the call.

Ending a Call from the Status Bar

If you exit the current call screen and return to the Home screen, You are visually notified that you are still on an active call by the

green colour of the status bar and the green phone icon within the bar.



1. Tap the Status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open the Notifications panel (1).

2. Tap **End** to end the currently active call (2).



Making Emergency Calls

=If you do not have a SIM card installed the first time you turn on the phone, the **Insert SIM card to make calls** message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call Without a SIM card installed

1. Tap **Emergency call** from the on-screen display to make an emergency call.
2. Complete your call. During this type of call, you will have access to the Speaker mode, Dialpad, and End Call features.

Note: Selecting Location consent may drain battery power. For more information, refer to “Power Saving Mode” on page 178.

3. Tap  to exit this calling mode.

Making an Emergency Call With a SIM card installed

4. From the Home screen, tap .
5. Enter the emergency number (e.g., 911) and then tap .
6. Complete your call. During this type of call, you will have access to the Speaker mode, Dialpad, and End Call features.

Note: Selecting Location consent may drain battery power. For more information, refer to “Power Saving Mode” on page 178.

7. Tap  to exit this calling mode.

Dialing Options

When using the keypad, you can access the following options at the bottom of the screen:

- **Call** () to call the entered number.
- **Delete** () to delete digits from the number entered on the screen.
- **Message** () to send a text message.
- **Voice Mail** () to access your Voice Mail service.

To view additional dialing options:

- ▶ Tap :
 - **Add to Contacts** to add the current number to either a new or existing Contacts entry.
 - **Speed dial setting** to access the Speed Dialing menu where you can assign a speed dial location to a current Contacts entry.
 - **Send message** to send a text message.



- **Add 3 sec pause** to insert a three-second into the number string (the phone continues dialing after three seconds without any additional keys being pressed).
- **Add wait** to insert a hard pause within the number string (the phone waits for your input). A wait requires that any entered numbers be manually sent by tapping **Send**.

Answering a Call

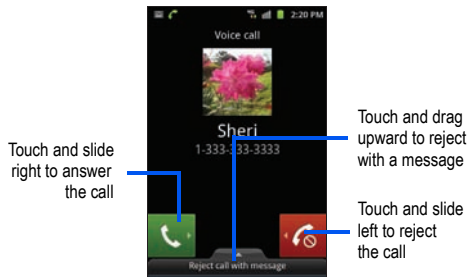
When somebody calls you, the phone rings and displays the incoming call image.

If the incoming call is from a number stored in your Contacts, the entry's name is displayed. You may also see the caller's phone number, if available.

► At the incoming call screen:

- Touch and slide  to the right to answer the call.
- Touch and slide  to the left to reject the call.
- Touch and drag the **Reject call with message** tab upward and tap a predefined rejection message or tap **Create new message** to create a new custom response.

Pressing the Volume down button mutes the ringer.



Managing Reject Calls

This feature allows you to categorize both known and unknown callers as rejected contacts. These Contacts are then added to you Rejection list which can be managed for individual entries from within the Contacts list or as a whole from the Call rejection screen.

1. From the Home screen, press  and then tap  (Settings) → Call → Call rejection.

2. Tap **Auto reject mode** to configure your automatic rejection settings. Rejected calls are routed automatically to your voicemail. Choose from:

- **Off**: disables the automatic rejection feature. You must then manually reject incoming phone calls.
- **All numbers**: enables the features for all known and unknown number, including those contacts that are not assigned to the rejection list.
- **Auto reject numbers**: automatically rejects all entries assigned to the Reject list.

Adding numbers to the rejection list

Entries can be added to the list via either the Contacts menu or the Auto reject list menu. The Contacts menu option assigns all numbers for an individual as rejected. The Auto reject list allows to assign individual numbers.

To assign multiple numbers as rejected via Contacts:

1. From the Home screen, tap  (**Contacts**).
2. Locate an entry and tap it to open the Contact Overview Screen (page 79).
3. Touch and hold an entry from the screen and select **Add to reject list**. All phone numbers associated with this entry are then added to the reject list.

To assign single numbers as rejected via Auto reject list:

1. From the Home screen, press  and then tap  (**Settings**) → **Call** → **Call rejection** → **Auto reject list**.
2. Tap  (**Add**) and either enter the phone number or select a Contact from your Logs or Contacts list.
3. Tap **Save** to complete the assignment.

Using Voice Command

This application allows you to use your voice to perform operations that you would normally have to do by hand, such as dialing a phone number, sending a text message, playing music, etc.

1. From the Home screen, tap  (**Applications**) →  (**Voice Command**).
2. Read the Samsung Disclaimer and tap **Confirm** to continue.
3. Read the Vlingo Terms of Service then tap **Agree** to continue.

4. Read the information on the **How to use Samsung voice** screen, then tap **Confirm**.

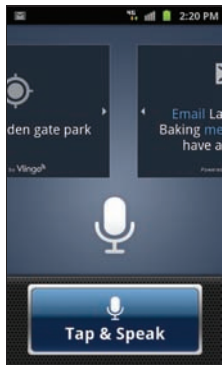
5. Read the information on the **What Can I Say?** screen, then tap **Finish**.

6. At the Voice talk screen, scroll across the screen to view some of the sample icons for assistance in using Voice command.

– or –

Tap **Tap & Speak** to say what you would like to do.

7. Follow the on-screen instructions.



Using Voice Talk

This is a voice recognition application used to activate a wide variety of functions on your phone.

1. From the Home screen, tap  (**Applications**) →  (**Voice talk**).

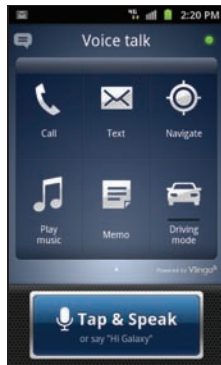
2. Read the on-screen overview information and tap **Next** to continue.

3. Review the tutorial information and tap **Next** to continue.

4. Read the information on the **What can I say?** screen, then tap **Done**.

5. When the Voice talk windows displays you can either tap an on-screen icon and follow the prompts.

– or –



Tap **Tap & Speak** to say what you would like to do. Some command examples include:

- “Call John Doe”
- “Call John Doe work,...”
- “Call (555) 555 5555”
- “Call 911, 811,...”
- “Text Katie Message Hey”
- “Play music”
- “Driving mode”

International Calls

1. From the Home screen, tap , then touch and hold . The + symbol displays.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
 - If you make a mistake, tap  once to delete a single digit or tap and hold to delete multiple digits.
3. Tap .

Pause Dialing

You can dial or save phone numbers with pauses for use with automated systems, such as voicemail or help lines.

- **3-Second Pause** automatically sends the next set of numbers after a three-second pause. This is indicated in the number string as a comma (.).
- **Wait** sends the next set of numbers only after a response is received (entered by tapping ). This is indicated in the number string as a semicolon (;).

To place a call with a three second pause:

1. From the Home screen, tap  and use the on-screen keypad to enter the phone number.
2. Press  and then tap **Add 3 sec pause**. This feature adds an automatic three-second pause.
3. Use the keypad to enter the additional numbers that will be dialed automatically after the three second pause.

Tip: You can create pauses longer than three seconds by entering multiple 3-sec pauses.

4. Tap .

To place a call that waits for a response:

1. From the Home screen, tap  and use the on-screen keypad to enter the phone number.
2. Press  and then tap **Add wait**. This is indicated in the number string as a semicolon (;).
3. Enter any digits to be sent after the wait.
4. Tap .
5. Once prompted, tap  to dial the remaining digits.

Redialing the Last Number

The phone stores the numbers of the calls you've dialed, received, or missed if the caller is identified.

To recall any of these numbers:

1. From the Home screen, tap .
2. Tap the **Logs** tab to display the list of recent calls.
3. Tap the name/number and tap .

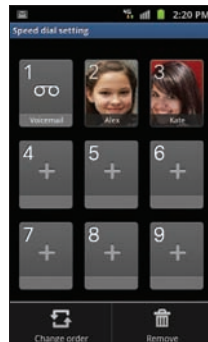
Speed Dialing

Once you have stored phone numbers in your Contacts List, you can set up to 8 speed dial entries and then dial them easily whenever you want, simply by touching the associated numeric key.

Setting Up Speed Dial Entries

Important!: Speed dial location #1 is reserved for Voicemail. No other number can be assigned to this slot.

1. From the Home screen, tap .
2. Press  and then tap **Speed dial setting**. The **Speed dial** screen displays a virtual keypad with the numbers 1 through 9.
3. Tap an unassigned number. The **Contacts** screen displays.
4. Tap a contact and select a number to assign to the speed dial location. The selected contact number/image is displayed in the speed dial number box.



Changing a Speed Dial Entry Order

1. From the Home screen, tap .
2. Press  and then tap **Speed dial setting**.

Important! The number 1 is reserved for Voicemail and another number cannot be assigned to this slot.

3. Press  and then tap **Change order**.
4. In a single motion, touch and drag an entry over another location on the virtual keypad.
5. Tap **Save** to store the new assignment.
6. Press  to return to the previous screen.

Removing a Speed Dial Entry

1. From the Home screen, tap .
2. Press  and then tap **Speed dial setting**.
3. Touch and hold a existing on-screen speed dial location and select **Remove** from the context menu.
– or –
Press  and then tap **Remove**. Tap an entry and select **Remove**.

4. Press  to return to the previous screen.

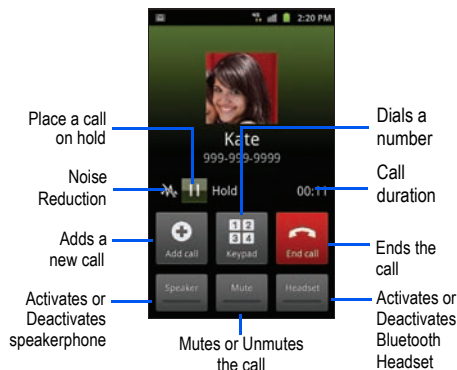
Making a Call Using Speed Dial

1. From the Home screen, tap .
2. Touch and hold a speed dial location (numbers 2-9, or 1 if you are dialing voice mail) until the number begins to dial.

If you are not certain of the speed dial location, tap  →  → **Speed dial setting** and touch a speed dial number to view the assigned phone number.

In Call Options

Your phone provides a number of features that are available for use during a call.



Adjusting the Call Volume

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

- Press the **Up** volume key to increase the volume level or the **Down** volume key to decrease the level.

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

Placing a Call on Hold

You can place the current call on hold whenever you want. You can also make another call while a call is in progress if your network supports this service.

To place a call on hold:

1. Tap **Hold** to place the current call on hold.
2. Tap **Unhold** to activate the call that is on hold.

To make a new call while a call is in progress:

1. Tap **Add call**.
2. Enter the new phone number that you wish to dial and tap



– or –

Look up the number in Contacts or Logs and tap .

To switch between the two calls:

- ▶ Tap **Swap**.

The In call number turns gray and displays On hold. The active call displays a green background behind the number.

Turning the Speakerphone on and off

While on a call, you can use your Speakerphone by following these steps:

1. Tap (**Speaker off**) to turn the speakerphone on.
2. Tap (**Speaker on**) to turn the speakerphone off.

Tip: When the speaker is turned **On**, a green bar appears in the icon. When the speaker is turned **Off**, the color of the bar is gray.

Muting a Call

1. Tap (**Mute off**) to turn mute on so the other party cannot hear you speaking.
2. Tap (**Mute on**) to turn mute off and resume your conversation.

Switching to Bluetooth Headset

1. While on a call, switch to the Bluetooth headset instead of speaker by tapping **Headset**.
2. At the prompt, tap **Yes** to enable Bluetooth if it is not already activated.

More In-call Options

Viewing the Contacts List

During a call you can look up a number in the Contacts list.

1. Press and then tap **Contacts**.
2. Browse the Contacts list for the information you need.
3. Press to return to the active call.

Creating a Memo During a Call

During a call it may be necessary to record information (a Memo).

1. Press and then tap **Memo**.

2. Use the keyboard to enter the note then tap **Save**.
 - If desired, press  and select a new memo background color before saving.

Adjusting Noise Reduction

During a call it may be necessary to adjust the noise reduction feature. Activating this feature can improve the sound quality of your conversation by reducing ambient noise.

1. Press  and then tap **Noise reduction off** to deactivate the feature.
2. Press  and then tap **Noise reduction on** to activate the feature.

Multi-Party calls

Making a Multi-Party Call

A multi-party call is a network service that allows up to six people to participate in a multi-party or conference call.

For further details about subscribing to this service, contact T-Mobile customer service.

Setting up a Multi-Party Call

1. From the Home screen, tap .
2. Dial the number for the first participant and tap .

3. Tap **Add call**, enter the second phone number and tap . The first caller is placed on hold.
4. Wait for the second caller to answer the incoming call and tap **Merge**. The two calls are now joined into a multi-party call and display in the order in which they were called.

Important!: A maximum of two callers can be joined to a single multi-party line. Additional callers participate in a new Multiparty session and are held in conjunction with the previous multiparty call. You can swap or place each multi-party call on hold.

Having a Private Conversation With One Participant

When you have two participants in a multi-party session, it might be necessary to place one of those participants on hold so that a private conversation can be held with the other. While you are in a multi-party call:

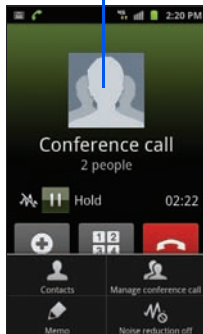
1. Press  and then tap **Manage Conference Call**.

– or –

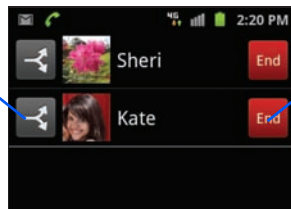
Tap the **Manage Conference Call** image.

2. Tap  adjacent to the participant you would like to split from the current multi-line call. The list displays the callers in the order they were dialed.

Manage Conference Call



Split Caller



End Call

3. Tap the participant to which you want to speak privately. You can now talk privately to that person while the other participants can continue to converse with each other. If there is only one other participant, that person is placed on hold.
4. To return to the multi-party call, tap the **Merge** icon. All of the multi-party call participants can now hear each other.

Dropping One Participant

1. Press  and then tap **Manage Conference Call**.
2. Tap  to the right of the number to drop. The participant is disconnected and you can continue the call with the other participant.

3. Tap  to end your conversation with the remaining caller.

Call Waiting

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you have previously set the Call waiting option to **Activate**.

You are notified of an incoming call by a call waiting tone. For more information, refer to “*Additional Settings*” on page 173.

To answer a new call while you have a call in progress:

1. In a single motion, touch  and slide it to the right to answer the new incoming call.
2. Tap an option from the on-screen menu:
 - **Putting XX on hold** to place the previous caller on hold while you answer the new incoming call.
 - **Ending call with XXX** to end the previous call and answer the new call.

Note: The new caller appears at the top of the list. The previous caller is placed on hold and appears at the bottom of the list.

3. Tap **Swap** to switch between the two calls. This places the new caller on hold and activates the previous call.

Important!: The currently active call is displayed with a green background.

4. Tap **Swap** again to switch back.

Logs Tab

The Logs tab is a list of the phone numbers (or Contacts entries) for calls you placed, accepted, or missed. The Logs tab makes redialing a number fast and easy. It is continually updated as your device automatically adds new numbers to the beginning of the list and removes the oldest entries from the bottom of the list.

Accessing the Logs Tab

1. From the Home screen, tap  →  (Logs tab).
2. Tap an entry to view available options.

Note: The Logs tab only records calls that occur while the phone is turned on. If a call is received while it is turned off, it will not be included in your calling history.

Each entry contains the phone number (if it is available) and Contacts entry name (if the number is in your Contacts).



Indicates an outgoing call made from your device.



Indicates a received call that was answered.



Indicates a missed call.

Accessing Logs from The Notifications Area

To access a missed call entry from the Notifications area (indicated by  in the Notifications area of the Status bar):

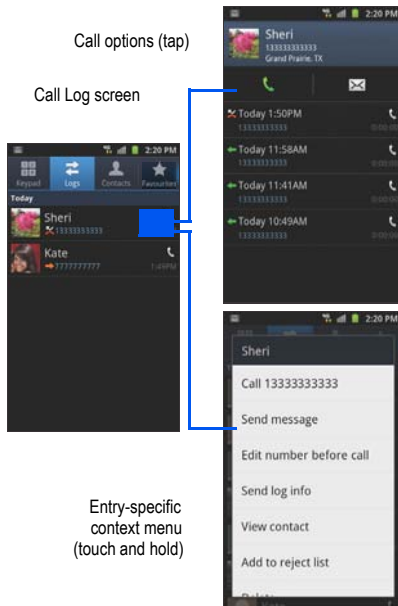
1. Tap the Status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open the Notifications panel (1).

2. Tap the Missed call entry to open the Logs screen (2).



Tip: Press  and tap **Notifications** to open the panel.

Call Logs - Caller Overview



- Tap a call log entry to reveal the **Call options** screen:
 - **Call** allows you to redial the entry by name or number.
 - **Send message** allows you to create a new text message to the selected entry.
 - **Time** provides the time and date of the call and its duration.
 - **Create contact** to save the number if it is not already in your Contacts.
 - **Update existing** to add the number to an existing Contacts entry.
- Touch and hold an entry to display the entry-specific context menu:
 - **Call [Number]** to redial the current phone number.
 - **Send message** allows you to create a new text message to the selected entry.
 - **Edit number before call** to make alterations to the current phone number prior to redial.
 - **Add to Contacts** to save the number if it is not already in your Contacts.
 - **View contact** to view the information for the currently stored Contacts entry.
 - **Send log info** to send the Log entry information via text message.
 - **Add to reject list** to add the current phone number to an automatic rejection list. Similar to a block list, the selected caller will be blocked from making an incoming calls to your phone.
 - **Delete** to delete the entry from the Logs list.

Altering Numbers from the Logs List

If you need to make a call from the Logs screen and you need to alter the number prior to dialing, you can add the appropriate prefix to the number.

1. From the Home screen, tap  → .
2. Touch and hold an entry to access the entry-specific context menu.
3. Tap **Edit number before call**.
4. Edit the number using the on-screen dialpad or delete digits by pressing  to erase the numbers.
5. Tap  once the number has been changed.

Erasing the Logs List

You can delete either an individual call log entry or all current entries from the Logs list.

To clear a single entry from the list:

1. From the Home screen, tap  → .
2. Touch and hold an entry and select **Delete**.

To clear all entries from the list:

1. From the Home screen, tap  → .
2. Press  → **Delete**.

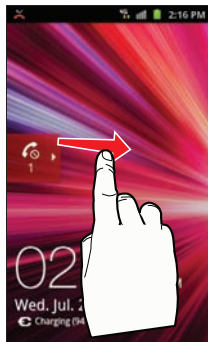
3. Tap **Select all** → **Delete** → **OK**.

Viewing Missed Calls from Lock Screen

When you are unable to answer a call for any reason and your screen is locked, the number of missed calls are displayed on the Lock screen immediately after a call is missed.

To view a missed call immediately:

1. Press  to reactive the screen.
2. Touch and drag the button (with the number of missed calls on it) to the right. The Logs tab is then displayed.



Section 5: Entering Text

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

Your phone is equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Your phone also provides several on-screen keypad text entry options to make the task of text entry that much easier.

Text Input Methods

There are two text input methods available:

- **Samsung keypad:** an on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Swype** (default): a new way to enter text on touch screens. Instead of tapping each key, use your finger to trace over each letter of a word.

The on-screen keyboard options are different between the Android keyboard and Swype on-screen input methods.

Selecting the Text Input Method

The Text Input Method can be assigned from within one of two locations:

Settings Menu:

- Press  →  and then tap  (**Settings**) → **Language and keyboard** → **Select input method**.

Text Input field:

1. From a screen where you can enter text, touch and hold the text input field to open the context menu.
2. Select the input method (**Samsung keypad** or **Swype**).



Entering Text Using Swype

Swype™ is a text input method that allows you to enter a word by sliding your finger from letter to letter, lifting your finger between words. SWYPE uses error correcting algorithms and a language model to predict the next word. SWYPE also includes a touch predictive text system.

Enabling and Configuring SWYPE

To enable the SWYPE keyboard:

Note: When SWYPE is enabled you can still use normal keyboard functionality as well.

1. Press  →  and then tap  (**Settings**) → **Language and keyboard**.
2. Tap **Select input method** → **Swype**.

SWYPE Settings

To configure Swype settings:

1. Press  →  and then tap  → **Language and keyboard** → **Swype**.
2. Locate the **Preferences** section to alter these settings:
 - **Language:** allows you to select the current text input language. Default language is US English.

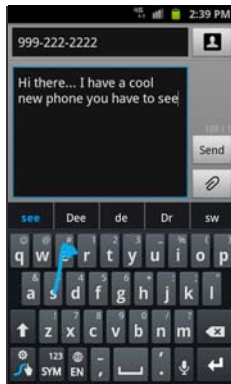
- **Audio feedback:** turns on sounds generated by the Swype application.
 - **Vibrate on keypress:** activates a vibration sensation as you enter text using the keypad.
 - **Show tips:** turns on a flashing indicator for quick help.
3. Locate the **Swype Advanced Settings** section to alter these settings:
 - **Word suggestion:** suggests words as you are typing.
 - **Auto-spacing:** automatically inserts a space between words. When you finish a word, just lift your finger or stylus and start the next word.
 - **Auto-capitalization:** automatically capitalizes the first letter of a sentence.
 - **Show complete trace:** sets whether or not to display the complete Swype path.
 - **Speed vs. accuracy:** sets how quickly Swype responds to on-screen input. Move the slider between **Fast Response** (higher speed) or **Error Tolerant** (greater accuracy) and tap **OK**.
 - **Personal dictionary:** add or delete words from your personal dictionary.
 - **Reset Swype's dictionary:** delete all words you have added to Swype's dictionary.
 4. Locate the **Help** section to alter these settings:

- **Swype help:** allows you to view the on-line user manual for Swype.
 - **Tutorial:** a short tutorial that helps you to get started using Swype.
5. Locate the **About** section to review the Swype version number.

Swype Text Entry Tips

You can access the SwypeTips application and watch a video or tutorial on using Swype. You can also use the following Swype text entry tips.

- Create a squiggle (like an S shape) to create a double letter (such as **pp** in apple).
- Touch and hold a key to view a menu of all characters that can be entered using the key then make a selection.
- To correct a misspelled word, double-touch on the word then touch the delete key to erase word.



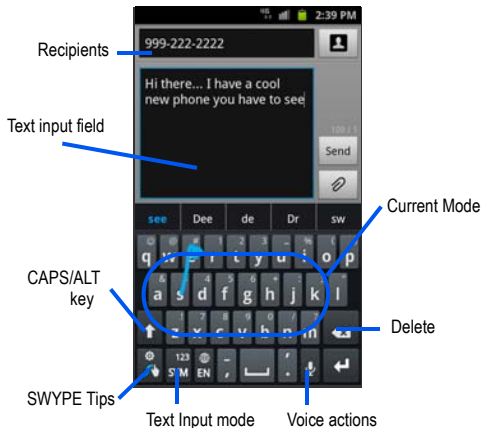
Selecting a Text Input Mode in Swype

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. With Swype as your text entry method, select one of the following text mode options:
 - **ABC** ¹²³ _{ABC} to use Swype with alphanumeric characters from the on-screen keyboard.
 - **SYM** (Symbol) ¹²³ _{SYM} to enter numbers and symbols from the on-screen keyboard.

Note: After typing an initial uppercase character, the  key changes to  and all letters that follow are in lower case.

Swype Keyboard Overview

- **Recipients:** a field where you can enter the recipients of the current message. You can choose from **Recent**, **Contacts**, or **Group**.
- **Text Input field:** a field where text, number, or other characters can be entered.
- **CAPS/ALT key:** When in 123ABC mode, this key changes the capitalization of the subsequent entered characters. When in SYM mode, this key can show additional symbol characters.
- **Text Input mode:** There are two available modes: **ABC** and **SYM**.
 - ABC mode provides alphanumeric characters and common punctuation marks. Text mode button indicates **123SYM**.
 - SYM mode provides symbols and numbers. Text mode button indicates **123ABC**.
- **SWYPE tips:** Tapping this button displays the Swype tips and tutorial screen.



Using 123ABC Mode in SWYPE

In **123ABC** mode, you can enter letters and a few common punctuation marks from the onscreen keyboard. The text mode key shows .

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. Tap  to configure the keyboard for 123ABC mode (showing letters and numbers on the onscreen keys). Once in this mode, the text input type shows .

Note: After typing an initial uppercase character, the  key changes to  and all letters that follow are in lower case.

3. Swipe your finger continuously over the letters to form a word.
 - If you make a mistake, tap  to erase a single character. Touch and hold  to erase an entire word.

Tap the CAPS/ALT key to select the case mode:



All lowercase

Displays when the next character is entered in lowercase. Pressing this while in 123SYM mode, reveals additional numeric-symbols keys.



Initial Uppercase

Displays when the first character of each word is entered as uppercase but all subsequent characters are lowercase.



All Uppercase

Displays when all characters will be entered as uppercase characters.

By default, the first letter of an entry is capitalized and the following letters are lower case. After a word is entered and you lift your finger, the cursor automatically adds a space after the word.

Note: If multiple word choices exist for your Swype entry, an on-screen popup appears to provide additional word choices.

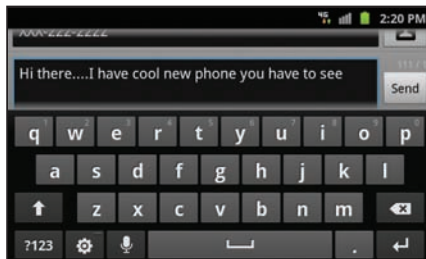
Entering Numbers and Symbols in SWYPE

When using the onscreen keyboard in portrait mode, some symbols are not available (such as Emoticons or Smileys). In SYM mode using Swype, you can only enter symbols and numbers from the onscreen keyboard. Once in SYM mode, the text mode key shows **123 ABC**.

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. Tap **123 SYM** to configure the keyboard for SYM mode. Once in this mode, the text input type shows **123 ABC**.
3. Tap the on-screen key for the number or symbol you want to enter.
4. Touch and hold an on-screen key to enter the secondary symbol (above the main symbol on the same key).
5. Tap  to choose from additional symbols.

Using the Samsung Keypad

This QWERTY keypad can be used to enter text in either Portrait or landscape orientation. The only difference between the two orientations are the sizes of the keys.



The Samsung Keypad

Using the QWERTY keypad/ keyboard, you can type letters, numbers, punctuation, and other characters.

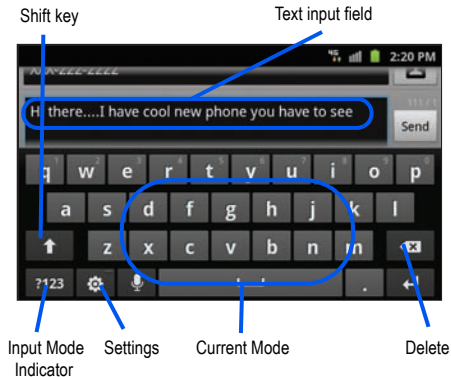
To use the Samsung keypad you must first configure the settings to default to the Samsung keypad.

1. Press  →  and then tap  (Settings) → **Language and keyboard** → **Select input method** → **Samsung keypad**.

– or –

From a screen where you can enter text, tap and hold the text input field and tap **Input method** → **Samsung keypad**.

2. The virtual keyboard is then assigned to the Samsung keypad configuration for all subsequent text input.



Changing the Text Input Mode in Keypad

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. With Samsung keypad as your text entry method, select one of the following text mode options:
 - **Abc** **ABC** : to use alphabetic characters from the on screen keyboard. In this mode, the text mode button displays **?123**.
 - **Symbol/Numeric** **?123** : to enter numbers and symbols using the onscreen keyboard. In this mode, the text mode button displays **ABC**. There are up to three available pages of numbers and symbols available by tapping **1/3**.

Tap the Shift key to select the case mode:



All lowercase

Displays when the next character is entered in lowercase.



Initial Uppercase

Displays when the next character is entered as uppercase but all subsequent characters are lowercase.



All Uppercase

Displays when all characters will be entered as uppercase characters.

By default, the first letter of a new entry is capitalized and the following letters are lower case. After a character is entered, the cursor automatically advances to the next space.

Using ABC Mode in Samsung Keypad

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. Tap **ABC** to configure the keyboard for ABC mode. Once in this mode, the text input type shows **?123**.
3. Enter your text using the on-screen keyboard.
 - If you make a mistake, tap **< x** to erase a single character. Touch and hold **< x** to erase multiple characters.

Using Symbol/Numeric Mode

Use the Symbol/Numeric Mode to add numbers, symbols or emoticons.

1. From a screen where you can enter text, tap the text input field to reveal the on-screen keyboard.
2. Tap  to configure the keyboard for Symbol mode. Once in this mode, the text input type shows .
3. Tap a number, symbol, or emoticon character.
– or –
Tap  button to cycle through additional pages.
 - The first number on this key indicates which page (1, 2, or 3) of additional characters is active.

Options

To access the options for the Samsung Keypad:

1. Press  →  and then tap  → **Language and keyboard** → **Samsung keypad**.
– or –
From within an active text entry screen, tap  to reveal the **Samsung keypad settings** screen.
2. Set any of the following options:

- **Portrait keypad types** allows you to choose a keypad configuration (Qwerty Keypad [default] or 3x4 Keypad).
- **Input languages** sets the input language. Tap a language from the available list.
- **XT9** enables predictive text entry mode. This must be enabled to gain access to the advanced settings.
- **XT9 advanced settings** configuration of more advanced XT9 features. For more information, refer to “Using XT9 Predictive Text” on page 71.
- **Keypad sweeping** allows changing between the input modes without having to use the Input Mode key. You can “sweep” the displayed keypad aside, in a similar manner to scrolling through the Home screens.
- **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- **Auto-capitalization** automatically capitalizes the first letter of the first word in each sentence.
- **Voice input** activates the Voice input feature. This is an experimental feature that uses Google’s networked speech recognition application.
- **Auto full stop** automatically inserts a full stop when you tap the space bar twice (inserts a period and space, and capitalizes the first letter of the next word).
- **Tutorial** launches a brief onscreen tutorial covering the main concepts related to the Samsung keypad.

Using XT9 Predictive Text

XT9 is a predictive text system that has next-letter prediction and regional error correction, which compensates for users pressing the wrong keys on QWERTY keyboards.

1. Press  →  and then tap  → **Language and keyboard** → **Samsung keypad**.

2. Tap the **XT9** field. A checkmark indicates activation.

3. Tap the **XT9 advanced settings** and configure any of the following advanced options:

- **Word completion** tells your device to attempt to predict how to complete the word you have started. (A green check mark indicates the feature is enabled.)
- **Word completion point** sets how many letters should be entered before a word prediction is made. Choose from 2 letters, 3 letters, 4 letters, or 5 letters.
- **Spell correction** enables the automatic correction of typographical errors by selecting from a list of possible words that reflect both the characters of the keys you touched, and those of nearby characters. (A green check mark indicates the feature is enabled.)
- **Next word prediction** predicts the next word you are likely to enter. (A green check mark indicates the feature is enabled.)
- **Auto-append** automatically adds predictions to the word you are typing. (A green check mark indicates the feature is enabled.)

- **Auto-substitution** allows the device to automatically replace misspelled or miskeyed words. This option reduce “typos.” (A green check mark indicates the feature is enabled.)
 - **Regional correction** automatically tries to correct errors caused when you tap keys adjacent to the correct keys. (A green check mark indicates the feature is enabled.)
 - **Recapture** sets the device to redisplay the word suggestion list when you select the wrong word from the list.
 - **XT9 my words** allows you to add new words to the built-in XT9 dictionary.
 - Tap **Add word**.
 - Use the **Register to XT9 my words** field to enter the new word.
 - Tap **Done** to store the new word.
 - **XT9 auto-substitution** allows you create a word rule by adding words for automatic substitution during text entry (for example youve becomes you’ve).
 - Tap the XT9 auto-substitution field. Flick up or down to review the current list of word substitutions.
 - Press  and tap **Add**.
 - Enter the original word that will be replaced in the **Shortcut** field (for example, youve).
 - Enter the substitute word that will be used in the **Substitution** field (for example, you’ve).
 - Tap **Done** to save the substitution rule.
4. Press  to return to the previous screen.

Section 6: Contacts

This section explains how to use and manage your Contacts list. You can save phone numbers and other contact information to your phone's memory and online accounts.

Synchronizing Accounts

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

1. Sign in to your Google account.
2. Press  →  and then tap  (**Settings**) → **Accounts and sync**.

– or –

From the Home screen, tap  (**Applications**) →  (**Settings**) → **Accounts and sync**.

3. From the **General sync settings** section, touch one of the following options:
 - **Background data**: allows your phone to use data in the background.
 - **Auto-sync**: automatically synchronizes your data with the phone.

4. From the Manage accounts area, tap  next to the account you want to synchronize.

– or –

Tap **Add account** to create a new account and follow the on-screen instructions.

The selected account synchronizes with your Contacts list.

Contacts List

Creating a Contact

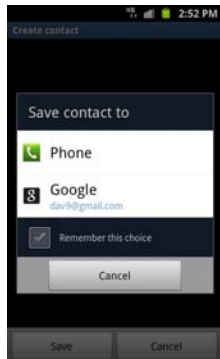
The default storage location for saving phone numbers to your Contacts List is your phone's built-in memory.

If existing Google and Microsoft Exchange email accounts have been synchronized to your phone, these will be made available to your device during the creation of new entries.

These new Contacts entries can be assigned or saved to synced accounts such as Phone, SIM, Google, or Corporate. Your phone automatically sorts the Contacts entries alphabetically.

Depending on the storage size of the particular SIM card, the maximum number of phone numbers the card can store may differ.

You can create a **Phone**, **Google**, or **Microsoft Exchange ActiveSync** contact.



Note: Before you can save a contact to the Phone, Contact settings must be set to **Save new contacts to Phone**.

Important! The Google and Microsoft Exchange ActiveSync account types are only visible after creating an email account of those types on your phone.

- **Phone** contacts are stored locally on the device.
-

Note: If the phone is reset to its factory default parameters, contacts stored on the phone can be lost.

- **Google** contacts are shared with your existing Google account and can also be imported to your phone after you have created a Gmail account.
 - **Microsoft Exchange ActiveSync** (also known as Work or Outlook) contacts are those contacts that are intended to be shared with either an Exchange Server or from within Microsoft® Outlook®.
 - **Remember this choice** assigns the desired default account storage location for new Contact entries.
-

Note: When storing an entry into your SIM card, note that only the Name, and Number are saved. To save additional information for a particular contact, such as notes, email, dates, etc., it is important to save that Contact into your phone's onboard memory.

1. From the Home screen, tap  (**Contacts**).
2. Tap  to create a contact.

Note: You can also add a new contact by entering a number from the keypad and pressing  and then tap **Add to Contacts → Create contact**. Continue with step 3.

3. Tap a destination type (**Phone**, **Google**, or **Microsoft Exchange ActiveSync**).
4. Tap the **Given name** and **Family name** fields, and enter a name for this contact using the displayed keypad.
5. Tap the image icon and select a photo for this contact. Selections are: **Album** or **Take photo**.
6. Tap the label button (to the left of the **Phone number** field) to select a category such as **Mobile** (default), **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Custom**, or **Callback**.

Note: These label entries can change and are dependant on the selected destination type (e.g.: Callback might not appear with a Google account destination type).

7. Tap a phone number field and enter a phone number.
 - Tap  on the QWERTY keyboard to remove a previously entered phone number.
 - Tap  to enter an additional phone number

- Tap  to remove a previously entered phone number.
8. Enter additional information such as: **Internet call**, **Email**, **IM**, **Groups**, **Ringtone**, **Postal address**, **Organization** or **More** fields to input additional category information.
 - The **More** field provides the following options: Notes, Nickname, Website, Birthday, and Anniversary.
 - Use your finger to slide the page up or down to see additional fields and categories.
 9. Tap **Save** to complete and store the new entry.

To save a Number from your Keypad:

1. From the Home screen, tap  (**Phone**).
2. Enter a phone number using the on-screen dialpad.
3. Tap **Add to Contacts → Create contact**, press  and tap **Add to Contacts → Create contact**, or select the Contact entry from the on-screen list.
 - If you're updating an existing contact, tap the entry from the list and proceed to step 5.
4. Tap a destination type (**Phone**, **Google**, or **Microsoft Exchange ActiveSync**).
5. Tap the **Given name** and **Family name** fields, and enter a name for this contact.

6. Tap the label button (to the left of the **Phone number** field) to select a category such as **Mobile** (default), **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Custom**, or **Callback**.

Note: These label entries can change and are dependant on the selected destination type (ex: Callback might not appear with a Google account destination type).

7. Tap **Save** to complete and store the new entry.

Note: For further details about how to enter characters, see “*Text Input Methods*” on page 62.

Finding a Contact

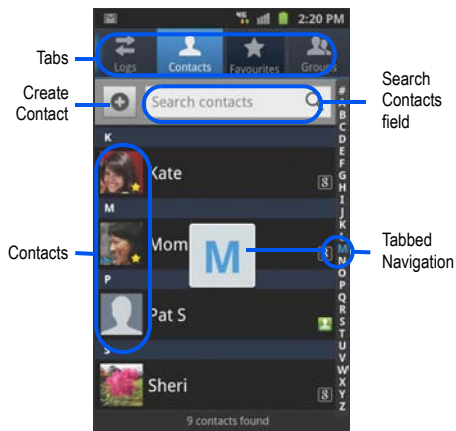
You can store phone numbers and their corresponding names onto either your SIM card, your phone’s built-in memory, or an external location (such as Google). They are all physically separate but are used as a single entity, called Contacts.

1. From the Home screen, tap  (**Contacts**).
 2. Swipe up or down until you see the contact displayed.
- or –

Tap the **Search contacts** field and begin entering the contact’s name. Matching entries are then displayed. This process filters through all of your current account Contact entries to only show you the matching entries.

– or –

In a single motion, touch and hold the letter tab area (on the right) until on-screen letters appear, then scroll through the list. You are then taken to that section of the Contacts list. Touch the contact entry.

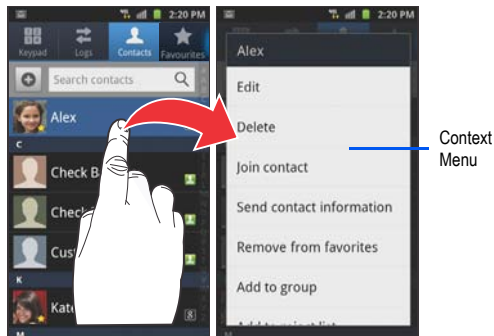


Editing Contact Information

1. From the Home screen, tap .
2. Tap a contact name from the list.
3. Press  and select **Edit**.

Note: You can also access an entry's context menu by touching and holding an entry then tapping **Edit**.

4. Edit the contact information then tap **Save**.



Adding a Number to an Existing Contact

1. From the Home screen, tap .

2. Touch and hold an entry and select **Edit** to reveal the Contact entry's details screen (page 79).

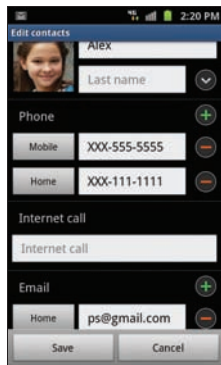
3. Touch a phone number field and enter a phone number.

- Tap  on the QWERTY keyboard to remove a previously entered phone number.

- Tap  to enter an additional phone number

- Tap  to remove a previously entered phone number.

4. Enter additional information such as: **Internet call**, **Email**, **IM**, **Groups**, **Ringtone**, **Postal address**, **Organization** or **More** fields to input additional category information.



Contact Details Screen

- The **More** field contains the following options: Notes, Nickname, Website, Birthday, and Anniversary.
- Use your finger to slide the page up or down to see additional fields and categories.

5. Tap **Save** to complete and store the new entry.

Deleting Contacts

This option allows you to delete contacts. You can delete all your entries from your phone's memory, your SIM card, FDN, or All.

Important!: Once Contacts List entries are deleted, they cannot be recovered.

1. From the Home screen, tap .
2. Touch and hold a contact name from the list and select **Delete** → **OK**.

Contact List Options

1. From the Home screen, tap .

2. Press . The following options display:

- **Delete:** allows you to delete 1 or more of your contacts.
- **My profile:** allows you to set up a profile for yourself. The information will be the same that you can add for a new contact.
Press  and tap **Edit** to alter this profile information.
- **Sync contacts:** allows you to manually synchronize all of your current contacts with their respective accounts.
- **Merge with Google:** allows you to merge all of your current Contact entries with your active Google/Gmail account. If several of your contacts are from other sources such as Corporate email, Internet email, Facebook, etc., this allows you to “back them up” or copy them to your Gmail account. Tap **Merge** to continue or **Cancel** to exit.
- **Import/Export:** imports or exports contacts to or from the SIM card or SD card, you can also send name cards via methods such as Bluetooth, Email, Gmail, or Messaging.
- **More:**
 - **View SNS Friends:** allows you to view only those Contact entries that have been added from Social Networking Sites (SNS) such as Facebook.
 - **Accounts:** allows you to add and manage mobile accounts on Facebook, LinkedIn, Microsoft Exchange ActiveSync or Google accounts.

- **Speed dial setting:** allows you to set up speed-dialing.
- **Send email:** allows you to send an email using Email or your Gmail account.
- **Send message:** allows you to send a text or picture message.
- **Display options:** allows you to choose to only display contacts that have phone numbers, sort by given or family name, display contacts with given name first or family name first, display contacts stored to your SIM card, display contacts stored on your phone, and/or display contacts stored to other accounts. For more information, refer to “Display Options” on page 84.
- **Settings:** options include Save new contacts to, Service numbers, and Send contact.

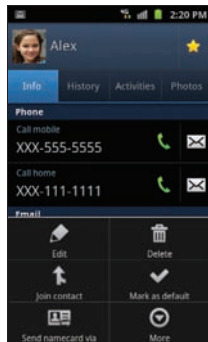
Contact Menu Options

1. From the Home screen, tap .
2. Touch and hold an entry to reveal the context menu. The following options display:
 - **Edit:** allows you to edit the currently selected Contacts entry.
 - **Delete:** allows you to delete the currently selected Contacts entry.
 - **Join contact:** allows you to link the current contact to another current contact. Similar to a “see also” feature. If you can’t remember a contact’s information, linking entries can help you find the person you are looking for.
 - **Send contact information:** allows you to send the current entry info via text message.
 - **Add to favorites/Remove from favorites:** allows you to copy the current Contacts entry to the list within the Favorites tab or remove the current Contacts entry from the Favorites tab.
 - **Add to group:** allows you to add the current Contacts entry to an existing group.
 - **Add to reject list/ Remove from reject list:** allows you to add the current Contacts entry to a list of automatically rejected incoming phone numbers or remove it from the list.
 - **Send namecard via:** allows you to send the current Contact entry’s information to an external recipient via either **Bluetooth**, **Email**, **Gmail**, or **Messaging**.

- **Print namecard:** allows you to print selected information on a compatible Samsung printer.

Contact Entry Options

1. From the Home screen, tap .
2. Tap an entry to reveal the Contact entry’s Overview Screen. This screen contains Name, contact numbers, email, and linked contact information.
3. Press  to reveal the context menu specific to this entry.
4. Tap an available option.



Contact Overview Screen

Joining Contact Information

This device can synchronize with multiple accounts containing your contact information (such as Facebook, Twitter, MySpace, Microsoft Exchange ActiveSync, Google). When you synchronize your phone with those accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (e.g., Amy Smith) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Twitter account, when you merge those accounts into your Contacts list you can join all of her entries and view the information in one record.

Joining contact information makes sending messages easy. You can select any account email address or information from one screen, versus searching multiple, individual screens to locate the desired account information.

Whenever you synchronize your phone with your accounts, any updates contacts make to email account names, email addresses, etc. automatically update in your contact list.

1. From the Home screen, tap .
2. Tap a contact name (the name you want to link to another entry) to reveal the contact entry's Overview Screen.

Note: Typically this is the same contact with a different name or account information.

3. Press  and then tap **Join contact**.
4. Tap the second contact entry (the entry in which to link). The second contact is now linked with the first and the account information is merged into one screen.

Note: The information is still maintained in both entries, but displays in one record for easier viewing when you link the contacts.

Important! It is the second contact image that is displayed for both, but the first contact's name that is used. For example: If Amy (original entry) is joined with Julie (second entry). Julie appears to disappear and only Amy remains. Tap the Amy entry (showing the Julie image) to view both.

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

Unjoining a Contact

1. From the Home screen, tap .
2. Tap a contact name (the account name from which you want to unjoin an entry). This reveals the details for entry.

Note: Typically this is the same contact with a different name or account information.

3. Tap the **Joined contacts** area.
– or –
Press  and then tap **Separate contact**.
4. Tap  next to the entry you want to unjoin. The contacts are “unjoined” or separated and no longer display in the merged record screen. Both contacts now go back to being separately displayed.

Marking a Contact as Default

When you use applications such as the Voice Dialer or other messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, if you say “Call John Smith” and you have three phone numbers for John Smith, the Voice dialer looks for the “default” number or entry.

The **Mark as default** option marks one entry in a contact record to use as the default.

1. From the Home screen, tap .
2. Tap a Contact entry.
3. Press  and then tap **Mark as default**. The Mark as default screen displays radio buttons next to the contact name, phone number, or other contact information.
4. Tap the radio button next to the entry information you want to be the primary information (such as name, phone number, or email) and select **Save**.

Note: If there are multiple phone numbers assigned to an entry, assigning one as the default means that number is automatically dialed when the contact is selected for dialing.

Sending a Namecard

A Namecard contains contact information, and can be sent to recipients as a Virtual Business Card (V-card) attachment using Bluetooth, Gmail, or a message.

1. From the Home screen, tap .
2. Tap a Contact entry.

3. Press  and then tap **Send namecard via** and select a delivery method: **Bluetooth**, **Email**, **Gmail**, or **Messaging**.

The Namecard attaches to the selected message type and is delivered when you send the message.

Note: Email appears as an option only after an Internet or Exchange email account has been created.

Sending All Current Namecards

Rather than selecting once Contact entry at a time, you can send all of your current entries at once.

1. From the Home screen, tap .
2. Press  and then tap **Import/Export → Send namecard via**.
3. Tap **Select all** to place a check mark alongside all currently displayed Contact entries.
4. Tap **Send** and select a delivery method:
 - **Bluetooth** to transmit this contact to another bluetooth-compatible device.
 - **Email** to attach the contact card to a new outgoing email (Exchange or Internet).

- **Gmail** to attach the contact card to a new outgoing Gmail message.
- **Messaging** to attach the contact card to a new outgoing text message.

Sending a namecard using Bluetooth

Important!: You must activate Bluetooth to use this feature.

1. From the Home screen, tap .
2. Touch and hold the entry to reveal the on-screen context menu.
3. Tap **Send namecard via → Bluetooth**.
4. Tap the Bluetooth device to receive this name card.
Bluetooth forwards the namecard to the recipient.

Copying Contact Information

Copying Contact Information to the SIM Card

The default storage location for saving phone numbers to your Contacts list is your phone's built-in memory. This procedure allows you to copy numbers saved to the phone's memory onto the SIM card.

1. From the Home screen, tap .

2. From the Contacts List, press  and then tap **Import/Export → Export to SIM card**.
3. Tap **Select all** to choose all current phone contact entries.
– or –
Select a specific entry by touching an entry. A check mark indicates a selection.
4. Tap **Export**. The name and phone number for the selected contact is then copied to the SIM.

Copying Contact Information to the microSD Card

This procedure allows you to copy entry information saved in the phone's memory onto the microSD card.

Note: These must be contacts stored on the phone. External entries (Google, Exchange, etc.) can not be transferred in this manner.

1. From the Home screen, tap .
2. From the Contacts List, press  and then tap **Import/Export → Export to SD card**.
3. Tap **OK** to choose all current phone contact entries.

Synchronizing Contacts

Syncing data from your managed accounts allows you to add and manage new or existing contacts from your online or remote accounts to your phone. Prior to syncing, you must have an active Google or Microsoft Exchange account with current Contact entries, and be signed into your account via the phone.

With syncing, any Contacts entries (with phone numbers, email addresses, pictures, etc.) are updated and synced with your phone. For more information about syncing existing managed accounts, see *"Accounts and Synchronization"* on page 185.

1. Press  →  and then tap  → **Accounts and sync**.
2. Locate the account containing the contacts you wish to synchronize.
3. Tap  within the adjacent account field to reveal the account's synchronization settings screen.
4. To synchronize Contacts, tap **Sync Contacts**. A green checkmark indicates the feature is enabled.

Note: The process of updating your Contacts tab can take several minutes. If after 10-20 minutes, your list has not been updated, repeat step 2-3.

When the process has completed, your Contacts application reflects any updated Contact information.

Note: Syncing of contacts requires you are logged into the accounts you are syncing with via the device.

Display Options

The Display options menu allows you to choose whether to display contacts saved to the Phone, external source, or all. You can also choose to display only contacts that have phone numbers.

1. From the Home screen, tap .
2. Press  and then tap **More → Display options**.
Configure any of the following options:
 - **Only contacts with phone number** allows you to display only those contacts with phone numbers.
 - **Sort by** defines how the current list of Contacts are sorted: **Given name** or **Family name**.
 - **Display contacts by** defines how the current list of Contacts are listed: **Given name first** (ex: Steve Smith) or **Family name first** (Smith, Steve).

- **Select contacts to display** allows you to filter Contacts based on category entries from within the locations such as: **Phone**, **Google**, and **Microsoft Exchange ActiveSync**.

3. Tap **Done**.

Adding Contacts via Accounts and Sync

When you synchronize applications such as Facebook, Twitter, a corporate email account, or Google, using the Accounts and sync option synchronizes the data from the selected account type with your Contacts list.

1. Press  →  and then tap  → **Accounts and sync** → **Add account**.
2. Determine which type of account information you want to synchronize with your Contact list. Selections are: **Facebook**, **Twitter**, **LinkedIn**, **Microsoft Exchange ActiveSync**, **Google**.
3. Tap an account type to add.
4. Follow the prompts. The selected account type synchronizes with your Contacts list.
5. After synchronizing accounts you may want to link contact information. For more information, refer to “*Joining Contact Information*” on page 80.

To add Facebook content to your Contacts list:

You can now add your Facebook contact information, such as pictures, email, and phone numbers, directly to your Contacts list. All of their current contact information is migrated over to your phone. If a Contacts entry already exists with a slightly different name, separate entries are created and can later be linked (joined) together into a single entry.

Important!: This process not only synchronizes your contact information, but also your status, events, and more.

1. Press  →  and then tap  → **Accounts and sync** → **Add account** → **Facebook**.
2. Select your country and accept the terms of the Social Hub, then tap **Agree**.
3. Read the on-screen descriptions and tap **Next**.
4. Log into your Facebook account:
 - Enter your account's access **Email** and **Password** information and tap **Log in**.

5. Tap those contact settings you wish to synchronize (all are enabled by default). A green circle indicates the feature is enabled.
 - Choose from: **Sync contacts**, **Sync message**, or **Sync calendar**.
6. Tap **Done** to complete the login and sync process.
7. Tap  to confirm your Facebook contacts are now synchronized and appear in your Contacts list.

To resync Social Network Contacts:

1. Press  →  and then tap  → **Accounts and sync**.
2. Tap  within the adjacent SNS account field to reveal the account's synchronization settings screen.
3. If necessary, tap **Sync Contacts** to place a checkmark in the selection box.
4. Tap **Sync now**.

Note: From the main Accounts and sync page you can also tap **Sync all** to resync all accounts.

My Profile

You can send your Virtual Business Card (V-card) to contacts as an attachment. My Profile is the first Contact listed in the Contacts list.

Note: As with any profile, your profile can be associated with a group.

To create My Profile:

1. From the Home screen, tap .
2. Press  and then tap **My profile**.

To edit My Profile:

1. With My profile displayed, press  and then tap **Edit**.
2. Modify any of the information contained in My Profile, then tap **Save**.

Additional Contact Options

Sending an Email to a Contact

Note: Contacts must contain an email account and address before you can use the Send email feature.

1. From the Home screen, tap .
2. Press  and then tap **More → Send email**. Contacts that have an associated email address display.
3. Tap the contact(s) to which you want to send an email. A check mark displays next to the selection.
4. Tap **Send**.
5. Select an email account type.
6. Compose the email and tap **Send**.

Export/Import

For more information, refer to “Copying Contact Information” on page 82.

Contact List Settings

From this menu you can determine the default storage location for Contacts, display your service provider's service numbers, and select the contact information transferred to other sources.

1. From the Home screen, tap .
2. Press  and then tap **More → Settings**.
3. Select one of the following options:
 - **Save new contacts to:** defines the default storage location of new Contacts. Choose from: **Always ask**, **Phone**, **Google**, or **Microsoft Exchange ActiveSync**.
 - **Service numbers:** displays a list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers can include emergency numbers, customer service numbers and directory inquiries.
 - **Send contact:** allows you to define the namecards sent when you choose to send namecards to other sources.
 - Read the on-screen description of this feature and tap **Next**.
 - Select either **Send all namecards** or **Send individual namecards**.

Groups

This feature allows you to add new or existing contacts to caller groups. You can create new groups or add contacts to one of the pre-loaded groups (Family, Friends, or Work).

Creating a New Caller Group

1. From the Home screen, tap  →  (Groups tab).
2. Press  and then tap **Create**.
3. Tap the **Group name** field and use the on-screen keypad to enter a new group name. For more information, refer to “Text Input Methods” on page 62.
4. Tap **Ringtone** and select a ringtone for the group. Selections are: **Default ringtone**, **Select sound from Files**, or **Phone ringtone**.
5. Tap **Save** to store the newly created group.

Note: Some externally maintained group types (such as in Google) can only be managed or updated remotely online. These external groups do not allow editing or deleting members locally via the phone.

Adding an Existing Entry to a Current Caller Group

1. From the Home screen, tap  → .
2. Tap a group name →  (**Add member**).
3. In the contacts list, tap the contact(s) you want to add. A check mark displays next to contact entry.
4. Tap **Add**. The selected contacts are added to the group.

Removing an Entry From a Caller Group

1. From the Home screen, tap  → .
2. Tap a group name.
3. Press  and then tap **Remove member**.
4. Tap all of the contacts you want to remove from this group. A checkmark displays next to contact entry.
5. Tap **Remove**. The contacts are removed from the group.

Editing a Caller Group

Note: To edit a Group, it must have at least one member.

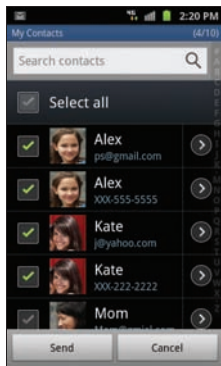
1. From the Home screen, tap  → .
2. Touch and hold a group name then select **Edit group**.
3. Make modifications to the **Group name** or **Ringtone** field as required. For more information, refer to “*Creating a New Caller Group*” on page 87.
4. Tap **Save**.

Deleting a Caller Group

1. From the Home screen, tap  → .
2. Press  and then tap **Delete**.
3. Select either **Select all** or tap the desired group.
4. Tap **Delete**.
5. Select either **Group only** (to remove the group) or **Group and group members** (to delete the group and the contact information of all group members).

Sending a Message to a Group

1. From the Home screen, tap  →  .
2. Tap an existing group, press  and then tap **Send message**.
– or –
Touch and hold a group name and select **Send message**.
3. Select the recipients of the new message (indicated by a green checkmark). If an entry contains multiple phone numbers, each must be selected individually.
4. Tap **Send**.
5. Type your message, and tap **Send**.



The Favourites Tab

The Favourites tab is a list of the phone numbers that have been designated as favourite contacts. For more information, refer to “Logs Tab” on page 58.

1. From the Home screen, tap  .
2. Tap  (Favourites tab).

Adding a contact to your favourites list:

3. From within the Favourites tab, press  and select **Add to favorites**.
4. Place a check mark alongside those current Contacts entries you wish to assign as favorites.
5. Tap **Add** to complete the process.

Section 7: Messages

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

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- Google Talk
- Instant Messages (IM)

Message Icons on the Status Bar

Icons are displayed on the Status Bar at the top of the display when new messages are received. For more information, refer to “Status Bar” on page 18.

Creating and Sending Messages

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

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen to indicate when messages are received and their type. For more information, refer to “Indicator Icons” on page 18.

1. From the Home screen, tap  (Messaging) →  (New message).
2. Tap the **Enter recipient** field to manually enter a recipient.
– or –
Tap  to select from one of the following:
 - **Contacts:** to select a recipient from your Contacts list (valid entries must have a wireless phone number or email address).
 - **Recent:** to select a recipient from a list of recently sent messages.
 - **Groups:** to select a recipient from the Group list.

- **Favourites:** to select a recipient from the Favourites list.
3. If adding a recipient from Contacts, Recent, Groups or Favourites, tap the contact to place a checkmark then tap **Add**. The contact displays in the recipient field.
 4. As required, add more recipients by tapping either the **Enter recipient** field or  and selecting recipients.
 5. Tap the **Tap to enter message** field and use the on-screen keypad to enter a message. For more information, refer to “Text Input Methods” on page 62.
 6. Review your message and tap **Send**.

Note: If you exit a message before you tap send the message automatically saves as a draft.

Message Options

While creating a message, press  to display the following messaging options:

- **Insert smiley:** allows you to add insert smiley icons (emoticons).
- **Add text:** allows you to add text items from sources such as: Location, Contacts, Memo, Task and Calendar.
- **Add/Remove slide:** converts an SMS message into an MMS (Multimedia) message and allows you to attach an existing slideshow.

- **Add subject:** lets you add a subject line to the message (converts the message into an MMS message).

When a message has been converted into an MMS message, press  and choose from these options: Insert smiley, Preview (if an image has been inserted), Add text, Add/Remove slide, Add/Remove subject, More (Duration, Layout).

Viewing Newly Received Messages

When you receive a text or multimedia message, your phone notifies you by displaying  within the Notification area at the top left of your Home screen.

To read a message:

- Open the Notification Bar and select the message. For more information, refer to “Notification Bar” on page 21.

– or –

From the Home screen, tap  then tap the new message to view its contents. The selected message displays on the screen.

Tap  to play a multimedia attachment.

If the message contains more than one page, drag up or down the page to scroll through the message.

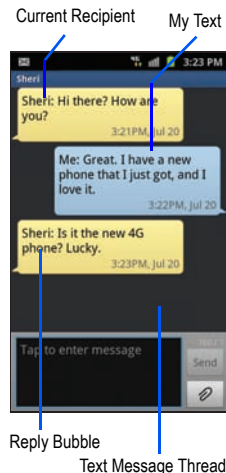
Message Threads

Sent and received text and picture messages are grouped into conversations or “message threads”. Threaded messages allow you to see all the messages exchanged with a single contact (similar to a chat program).

Messages are listed in the order in which they were sent and received, with the latest message displayed at the top. Messages you sent are in blue “bubbles” and those you received are yellow.

To reply to a text message:

1. From the Home screen, tap  → a message.
2. While the message is open, tap the **Type to** **compose** field and then type your reply message.
 - You can press  and select any of the available message options (page 91).
3. Tap **Send** to deliver your reply.



To access message thread options:

- From the main Messaging screen, touch and hold the message to display the following options:
 - **View contact:** displays the Contact's Overview page.

- **Add to contact:** begins the process of adding the new number to your Contacts list.
- **Delete thread:** deletes the currently selected message thread.

To access additional Bubble options:

- Touch and hold the message bubble to display the following options:
 - **Delete message:** deletes the currently selected message bubble from the thread.
 - **Add to Contacts:** adds the current caller to your Contacts list.
 - **Copy message text:** copies the currently selected message bubble from the thread.
 - **Lock/Unlock message:** locks or unlocks the currently selected message bubble from being accidentally deleted.
 - **Forward:** allows you to forward the currently selected message bubble to an external recipient.
 - **Copy to SIM:** copies the currently selected message bubble as a single text message within the SIM card.
 - **View message details:** displays details for the currently selected message bubble.

Deleting Messages

Deleting a single message

1. From the Home screen, tap  → a message thread.
2. Touch and hold a message bubble, then select **Delete message**.
3. At the prompt, tap **OK** to delete or **Cancel** to exit.

Deleting a message thread

1. From the Home screen, tap .
2. Touch and hold a message from the Messages list, then select **Delete thread**.
3. At the prompt, tap **OK** to delete or **Cancel** to exit.

Deleting multiple message threads

1. From the Home screen, tap .
2. Press  and then tap **Delete threads**.
3. Tap each message thread you want to delete. A checkmark displays beside each selected message.
4. Tap **Delete**.
5. At the prompt, tap **OK** to delete or **Cancel** to end the process.

Message Search

You can search through your messages by using the Message Search feature.

1. From the Home screen, tap .
2. Press  and then tap **Search**.
3. Use the on-screen keypad to enter a word or phrase to search for, then tap .
4. All messages that contain the entered search string display.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voicemail, and Push messages.

1. From the Home screen, tap .
2. Press  and then tap **Settings**.

The following Messaging settings are available:

Settings

- **Message font size:** enables the phone to change the size of the on-screen font. Choose from: Normal, Small, or Tiny.
- **Split view:** enables the phone to display a split view window when the phone is in landscape view.

Storage settings

- **Delete old messages:** deletes old messages when the storage limit is reached, rather than causing an error message.
- **Text message limit:** allows you to set a limit on how many text messages are allowed in one conversation.
- **Multimedia message limit:** allows you to set a limit on how many multimedia messages are allowed in one conversation.

Text message (SMS) settings

- **Delivery reports:** when this option is activated, the network informs you when your message is delivered.
- **Manage SIM card messages:** allows you to manage the messages stored on the SIM card.
- **Message Centre:** displays the number of your message center where your messages are stored before delivery.
- **Input mode:** allows you to set the input mode for your text messages. Choose from: GSM Alphabet, Unicode, or Automatic.

Multimedia message (MMS) settings

- **Delivery reports:** when this option is activated, the network informs you when your message is delivered.
- **Read reports:** when this option is activated, the network informs you when your message is read.
- **Auto-retrieve:** allows the message system to automatically retrieve messages.
- **Roaming auto-retrieve:** allows the message system to automatically retrieve while roaming.

- **Creation mode:** allows you to select the MMS creation mode: Free, Restricted, or Warning.
 - **Restricted:** you can only create and submit messages with content that is supported by the recipient device.
 - **Warning:** the phone notifies you when you try to send a message that may not be supported by the recipient device.
 - **Free:** you may add any content to the message.

Push message settings

- **Push message:** allows you to receive push messages from the network.
- **Service loading:** allows you to set the type of service loading notification. Choose from: Always, Prompt, or Never.

Cell broadcast (CB) settings

- **CB activation:** allows you to receive Cell Broadcast (CB) messages.
- **Channel configuration:** allows you to set up the channel that you will receive CB messages on.
- **Language:** allows you to select all of the languages that you want to receive CB messages in.

Notification settings

- **Notifications:** allows you to see message notifications on your status bar.
- **Select ringtone:** allows you to set the ringtone for your message notifications.

Email

Email (or Internet Email) enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. Your phone's Email application lets you access and manage multiple email accounts simultaneously in one convenient location.

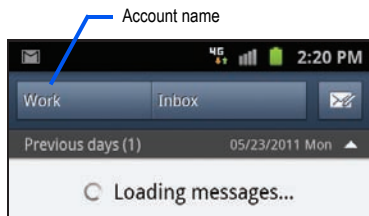
There are currently two main types of email accounts on your phone: Internet-based email (Gmail, Yahoo! Mail, etc.), and Microsoft Exchange ActiveSync (Corporate email or Outlook®).

To send and receive email messages through an ISP (Internet Service Provider) account, or if you wish to use your device to access your corporate email through a VPN (Virtual Private Network), you will first need to set up an IMAP or POP account.

- **IMAP** (Internet Message Access Protocol) - This protocol is frequently used in large networks and commercial settings. IMAP4 is the current standard.
- **POP3** (Post Office Protocol) - This protocol is supported by most ISPs (Internet service providers) and common among consumer applications. POP3 is the current standard.
- **Microsoft Exchange ActiveSync** - This protocol is frequently used with a large corporate email server system and provides access to email, contact, and calendar synchronization.

Creating an Internet Email Account

1. From the Home screen, tap  (Applications) →  (Email).
2. If this is the first email account on your phone, enter your **Email address** and **Password** information.
 - Tap **Show password** to view the password string as you enter it.
3. If you already have other email account setup:
 - Tap the account name field (upper-left) to open the email account list page.
 - Press  and then tap **Add account**.



4. To make this your primary email account and also link it to your Social Hub, tap **Set as premium account**. to place a checkmark in the selection box (see “Social Hub” on page 141.).
5. To make this your default email account for outbound emails, tap **Send email from this account by default** to place a checkmark in the selection box.
6. Tap **Next** to automatically configure the account.
 - or –
 - Tap **Manual setup** to configure your connection settings manually (POP3 or IMAP). Follow the on-screen prompts and enter the information specific to your email provider.
 - If prompted to sign up to Social Hub, tap **OK**.
7. At the **Set up email** screen, name the account and enter a name to be displayed on outgoing messages.
8. Tap **Done** to store the new account.

Messages for this account display in the Inbox. Tap the **Inbox** tab to view other message folders (**Drafts**, **Outbox**, **Sent** or **Trash**).

Opening an Email

1. From the Home screen, tap  →  (Email).
2. Tap the account name field (upper-left) to open the email account list and select an email account.
3. Tap an email message to open it.

Refreshing Email messages

1. From the Home screen, tap  →  (Email).
2. Tap the account name field (upper-left) to open the email account list and select an email account.
3. Press  and then tap **Refresh**.

Composing Email

1. From the Home screen, tap  →  (Email).
2. Tap the account name field (upper-left) to open the email account list and select an email account.
3. Tap  (**Compose**).
4. Enter the recipient's email address in the **To** field.
 - If you are sending the email message to several recipients, separate the email addresses by a comma or semicolon. You can add as many message recipients as you want.

5. To add additional carbon copy recipients, press  and then tap **Add Cc/Bcc**.
 - Use the **Cc** field to carbon copy additional recipients.
 - Use the **Bcc** field to blind copy additional recipients.
6. Tap the **Subject** field and enter the email subject.
7. Tap the email text field and compose your email message.
8. To add a file attachment (picture, video, audio file, etc.), tap **Attach**, make a category selection and tap the file you wish to attach.
 - Tap  to delete the attached file.
 - If you attach an image to your email, you have the option to resize it prior to delivery. Choose from: Original, Large (70%), Medium (30%), or Small (10%). Once chosen, tap **OK**.
9. To insert information into the body of the message, tap **Insert**, make a category selection (Gallery, Contacts, Location, Calendar, or Memo), and follow the on-screen instructions.
10. Once complete, tap **Send**.

Configuring Email Settings

1. From the Home screen, tap  →  (Email).
2. Select an account.
3. From the email list screen, press  and then tap **More** → **Account settings**.
4. Alter any of the following settings:
 - **Account name:** lets you view and change the account display name.
 - **Your name:** displays the name used in the From field of your outgoing email messages.
 - **Add signature:** Lets you attach a customized signature to the bottom of all outgoing emails.
 - **Signature:** Lets you create an email signature for your outgoing Gmail email messages.
 - **Email check frequency:** selects how often your device checks your email account for new email messages. To check messages only when you open the Email application or tap **Load more messages** on the list screen, set the check frequency to **Never**.
 - **Default account:** Assign this account as the default email account used for outgoing messages.
 - **Always Cc/Bcc myself** allows you to include your own email address in either the CC, Bcc, or None fields. Lets you always receive a copy of outgoing emails.

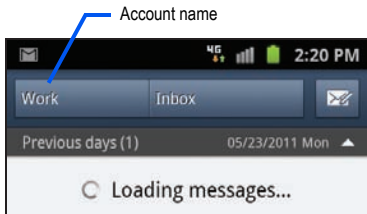
- **Email notifications:** Activates the email notification icon to appear within the Notifications area of the status bar when new email is received.
- **Select ringtone:** Plays a selected ringtone when a new email message is received.
- **Vibrate:** Activates a vibration when a new email message is received.
- **Incoming settings:** Lets you specify incoming email settings, such as User Name, Password, POP3 server, Security type, Port, and Delete email from server (select Never or When I delete from Inbox).
- **Outgoing settings:** Lets you specify outgoing email settings, such as SMTP server, Security type, Port, Require sign-in, User name, and Password.
- **Forward with files:** Lets you include attachments when forwarding an email.
- **Split view mode** enables the phone to display a split view window when the phone is in landscape view.

Microsoft Exchange Email (Outlook)

Your phone also provides access to an Outlook Exchange server. If your company uses either Microsoft Exchange Server 2003 or 2007, you can use this email application to wirelessly synchronize your email, Contacts, and Calendar information directly with your company's Exchange server. Consult your Network or IT Administrator for setup information and support.

Setting Up a Microsoft Exchange Email Account

1. From the Home screen, tap  →  (Email).
2. If this is the first email account on your phone, enter your **Email address** and **Password** information.
 - Tap **Show password** to view the password string as you enter it.
3. If you already have other email account setup:
 - Tap the account name field (upper-left) to open the email account list page.
 - Press  and then tap **Add account**.



4. To make this your default email account for outbound emails, tap **Send email from this account by default** to place a checkmark in the selection box.
5. Tap **Next**.

6. Tap **Microsoft Exchange ActiveSync** (from the add new email account screen).
7. When prompted to provide additional detailed information, enter an updated **Domain**, and confirm your **User name** and **Password** information.
 - If your network requires SSL encryption, tap the **Use secure connection (SSL)** field to place a check mark in the box and activate this additional level. Most often, this option should be enabled.
 - If your network requires you accept SSL certificates, tap the **Accept all SSL certificates** field to place a check mark in the box and activate this additional level. Most often, this option is not required. Confirm this information with your IT Administrator.

Important! If your exchange server requires this feature, leaving this field unchecked can prevent connection.

8. If your connection fails, you can be prompted to manually update or re-enter your **Exchange server** information within the appropriate field. This field can often be populated with incorrect or out of date information.
 - **Exchange Server:** your exchange server remote email address. Typically starts with **mail.XXX.com**. Obtain this information from your company network administrator.

Important! Do not automatically accept the default entry as this is a guess based on returned information.

9. With the new server information entered, tap **Next**.
10. Read the on-screen activation disclaimer and, if prompted, tap **OK**.
11. Adjust the various on-screen configuration fields and tap **Next**.
12. Identify your new email account with a unique name, then tap **Done**.

Opening an Exchange Email

1. From the Home screen, tap  →  (**Email**).
2. Tap the account name field (upper-left) to open the complete email account list page.
3. Select an exchange email account and tap an email message.

Refreshing Exchange Email

1. From the Home screen, tap  →  (**Email**).
2. Select an exchange email account.
3. Press  and then tap **Refresh**.

Composing Exchange Email

1. From the Home screen, tap  →  (**Email**).
2. Press  and then tap **Accounts**.
3. Select an exchange email account.
4. Tap  (**Compose**).
5. Enter the recipient's email address in the **To** field.
 - If you are sending the email message to several recipients, separate the email addresses by a comma or semicolon. You can add as many message recipients as you want.
6. To add additional carbon copy recipients, press  and then tap **Add Cc/Bcc**.
 - Use the **Cc** field to carbon copy additional recipients.
 - Use the **Bcc** field to blind copy additional recipients.
7. Tap the **Subject** field and enter the email subject.
8. Tap the email text field and compose your email message.
9. To add a file attachment (picture, video, audio file, etc.), tap **Attach**, make a category selection and tap the file you wish to attach.
 - Tap  to delete the attached file.

- If you attach an image to your email, you have the option to resize it prior to delivery. Choose from: Original, Large (70%), Medium (30%), or Small (10%). Once chosen, tap **OK**.
10. To insert information into the body of the message, tap **Insert**, make a category selection (Gallery, Contacts, Location, Calendar, or Memo), and follow the on-screen instructions.
 11. Once complete, tap **Send**.

Deleting an Exchange Email Message

- Touch and hold an email (from your inbox list) and select **Delete** from the on-screen context menu.
- or –
- With the email message displayed, tap  (**Delete**).

Configuring Microsoft Exchange Email Settings

1. Press  →  and then tap  → **Accounts and sync**.
 2. Tap  adjacent to the Microsoft Exchange account field to reveal the account's synchronization settings screen.
 3. Toggle either the **Sync Contacts** or **Sync Calendar** fields to force the device to manually resync either the exchange Contacts or Calendar entries.
- or –
- Tap **Account settings** and specify any other email settings you wish to synchronize:
- **Account name** displays the name used by the device to track the account.
 - **Add signature** activates the email signature feature.
 - **Signature** allows you to create an outgoing email signature attached to new email messages sent from your phone.
 - **Default account** assigns this account as the default used when sending out new email messages.
 - **Always Cc/Bcc myself** allows you to include your own email address in either the CC, Bcc, or None fields. Lets you always receive a copy of outgoing emails.

- **Period to sync email** to assign the sync range for your incoming and outgoing email messages between your phone and your external exchange server. How many days worth of email messages should the phone and server synchronize. Choose from: **1 day, 3 days, 1 week, 2 weeks, or 1 month.**
 - **Empty Server Trash:** allows you to delete your email account's trash bin remotely.
 - **Sync schedule** allows you to configure your email sync schedule.
 - **Period to sync Calendar** assigns a period for your phone to sync calendar events.
 - **Size to retrieve emails** configures the incoming email size allowed to pass through to your phone automatically without user interaction. Emails with attachments larger than configured will have to be retrieved manually.
 - **Security options:** allows you to enable several security options such as: Encryption, Encryption algorithm, Sign, Sign algorithms, Email certificates, and Security policy list. These security policies could restrict some functions from corporate servers.
 - **Security policy list:** lists the current email's security policy. These policies could restrict some functions from corporate servers.
 - **In case of Sync Conflict** allows you to assign the master source on emails. If there is a conflict with the current email sync you can assign the server as the main source for all emails (**Update to phone**) or assign the phone to be the main source and update the server accordingly (**Update to server**).
 - **Email notifications** enables the phone to display a status bar icon when new email messages have been received.
 - **Select ringtone** assigns an audible ringtone when a new or upcoming event is pending.
 - **Vibration** assigns a vibration when a new or upcoming event is pending.
 - **Incoming settings** provides access to the Domain, password, and Exchange server settings.
 - **Sync Contacts** synchronizes the contacts between your phone and the remote exchange server.
 - **Sync Calendar** synchronizes your exchange calendar entries between your phone and the remote exchange server.
 - **Split view mode** enables the phone to display a split view window when the phone is in landscape view.
4. Press  to return to the previous page.

Using Gmail

Gmail (Google Mail) is Google's web-based email service. Gmail requires that you have a Google account, which can be configured when you first setup the phone or the first time you open a Google application such as Gmail or Android Market. Depending on the synchronization settings, your phone is automatically synchronized with your Gmail account.

Signing in to Gmail

1. From the Home screen, tap  →  (Gmail).
2. Tap **Next**.
3. If you do not have a Google account, tap **Create** and follow the on-screen instructions to create a Google account.
If you do have a Google account but have not yet entered your account information, tap **Sign in**, enter your Username and Password, and tap **Sign in**.

Opening Gmail

1. From the Home screen, tap  →  (Gmail). Your Gmail Inbox opens and the message list is refreshed.
2. Tap an email message to open it.

To access other message folders, tap Inbox at the top left of the screen and tap a folder name (Outbox, Drafts, Trash, etc.)

Refreshing Google Mail

- From within the Gmail message list, press  and then tap **Refresh** to send and receive new emails and synchronize your email with the Gmail account.

Composing a Gmail Message

1. From the Home screen, tap  →  (Gmail).
2. From the Gmail Inbox, press  and then tap **Compose**.
3. Enter the recipient's Email address in the **To** field.

Tip: Separate multiple recipient email addresses by a comma or semicolon.

4. Press  and select **Add Cc/Bcc** to add a carbon or blind copy.
5. Enter the subject of this message in the **Subject** field.
6. Tap the **Compose Mail** field and enter your message.
7. Once complete tap  (**Send**).

Organize messages by labels

You can organize your email by labelling your messages or adding stars to mark important messages. You can then sort messages by label filter.

To add or remove a message label:

1. In the Inbox screen, tap and hold a message.
2. Select **Change labels**.
3. Tap a label to add or remove the checkmark.
4. Select **OK**.

To add or remove a message star:

1. In the Inbox screen, tap and hold a message.
2. Select **Add star** or **Remove Star**. The star icon next to the message is activated or deactivated.

To filter messages:

1. Press  and select **Go to labels**.
2. Select the label of the messages that you want to view.

Gmail Options

1. From the Gmail Inbox, tap a message to view the following options:
 - **Archive**: archives the selected message.
 - **Delete**: deletes the message.
 - **<**: displays the previous message.
 - **>**: displays the next message.
2. Press  to access the following additional options:
 - **Change labels**: lets you change the message label.
 - **Mark unread**: unread messages or threads with unread messages display in boldface text in the Inbox.
 - **Go to inbox**: displays the Gmail Inbox.
 - **Mute**: mutes the conversation.
 - **Add/Remove star**: tap to add or remove a star.
 - **More**:
 - **Report spam**: reports the Email message as spam.
 - **Settings**: allows you to configure the General and Notification settings.
 - **Help**: launches the browser and displays the Gmail app for Android help page.
 - **Select text**: allows you to select text to copy and paste.

Creating an Additional Gmail Account

If you already have other email accounts set up:

1. From the Home screen, tap  →  (Gmail).
2. Tap the account name field (upper-right) to open the email account list.
3. Tap **Add account** and follow the steps listed in the previous section. For more information, refer to *“Signing in to Gmail”* on page 103.

Section 8: Multimedia

This section explains how to use the multimedia features of your phone, including the Camera/Camcorder and Music Player, and how to manage your photos, images and sounds.

Using the Camera

Taking Photos

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

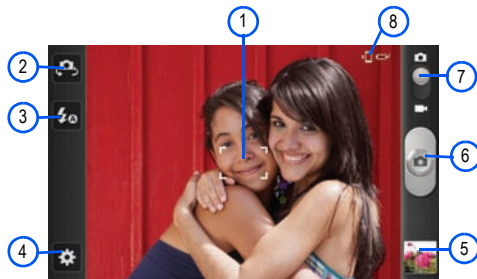
Your camera produces photos in JPEG format.

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.

1. From the Home screen, tap  (**Camera**).
2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. As required, use the left area of the screen to access camera options and settings (see “Camera Options” on page 106).

4. You can also tap the screen to move the focus to a desired area of interest (focus indicator moves to the tapped area).
5. Press  (**Camera key**) to take the picture.

The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the phone. see “Camera Options” on page 106.



Camera Options

Options are represented by icons in various locations on the screen.

The following shortcuts are available for the camera:



(1) **Focus area:** indicates the area of the image where the lens is focused. The corners of the focus area are white when the lens is not focused, green when the lens is focused on the indicated area.



(2) **Camera selector:** switches between the front and rear cameras.



(3) **Flash:** allows you to set the flash options to Off, On, or Auto flash.



(4) Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most. Drag the desired shortcut to one of the four available locations at the left side of the screen. You can replace the default shortcuts (Camera selector and Flash) and add more below.

Self portrait: switches to the front camera so you can take pictures of yourself or video chat.

Flash: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode. Options are:

- **Single shot:** take a single photo and view it before returning to the shooting mode.
- **Smile shot:** the camera focuses on the face of your subject. When the camera detects the person's smile, it takes the picture.
- **Beauty:** smoothes facial features.



Settings (continued):

- **Panorama:** takes a landscape photo by combining several images. Press  to take the initial image and move the phone slowly in one direction. Each time the green frame is centred in the screen, an additional photo is taken automatically. Continue until 8 pictures are taken or press  to end the panorama and save the combined image.
- **Action shot:** detects action and creates a panorama of the moving object.
- **Cartoon:** gives your photo a cartoon look.

Scene mode: optimizes camera settings for specific types of scenes. Options include None, Portrait, Landscape, Night, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Fall colour, Firework, Text, Candlelight, and Backlight.

Exposure value: allows you to adjust the brightness level by moving the slider.

Focus mode: allows you to set this option to Auto focus, Macro, or Face detection.

- **Auto focus:** automatically focus the image at the location indicated by the focus area.
- **Macro:** allows you to take close-up pictures.
- **Face detection:** causes the camera to automatically recognize faces in the frame and optimize the focus to maximize sharpness of those areas.

Timer: allows you to set a time delay before pictures are taken. Options include: Off, 2 sec, 5 sec, and 10 sec.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: None, Negative, Black and white, and Sepia.

Resolution: allows you to set the image size:
8M (3264x2448), W6.5M (3264x1968), 3.2M (2048x1536), W2.4M (2048x1232), W0.4M (800x480), or 0.3M (640x480).



Settings (continued):

White balance: adjusts the colour balance according to the lighting conditions: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

ISO: ISO determines light meter sensitivity. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number for best picture quality in normal light levels, a higher ISO to take photos in low light, or Auto to let the camera automatically adjust the ISO.

Metering: allows you to set how the camera measures or meters the light source: Center-weighted, Spot, or Matrix (averages all areas of the scene).

Anti-Shake: reduces image blur due to movement of the camera.

Auto contrast: improves the image when there is excessive variation of light intensity.

Guidelines: provides vertical and horizontal lines on the that aid camera alignment (e.g., can help keep the horizon line straight).

Image quality: allows you to set the image quality to: Superfine, Fine, or Normal.

GPS tag (also known as Geotagging): Embeds location information into the picture file. (Only available in Camera mode.)

Shutter sound: allows you to set the Shutter sound to On or Off.

Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.



(5) Image viewer: opens the Image viewer and the last picture taken. The last picture taken is displayed as a thumbnail in the Image viewer icon.



(6) Camera button: tap to take a photo (Camera mode only).



(7) Camera / Camcorder Mode: switches between camera and camcorder operation. Slide the button up for Camera, or down for Camcorder.

(8) Storage Location: indicates whether images are being stores on the phone or a memory card.

Image Viewer Options

The following options are available when you open the image viewer:

- **Share:** allows you to share a picture using AllShare, Bluetooth, Email, Gmail, Messaging, Photo editor, Picasa or Wi-Fi.
- **Delete:** allows you to delete the current picture. Tap **OK** to delete or **Cancel**.
- **More:** provides additional options. see “Accessing Photos” on page 110.

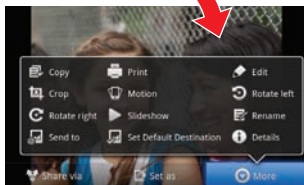
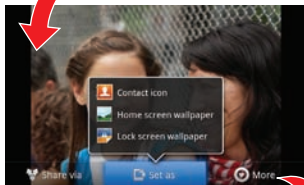
Accessing Photos

When you take a picture, the file is saved in the Gallery. You can view your pictures at any time.

1. From the Home screen, tap  (**Applications**) →  (**Gallery**).
2. Select a folder and tap a file to open it in the Image viewer.

Note: The default storage location is the Camera folder.

3. Touch and drag a picture to the left to see the next picture or to the right to see the previous picture.
4. Tap the on-screen image to access the following options:
 - **Send via:** allows you to share a picture using Bluetooth, Email, Gmail, Messaging or Wi-Fi.
 - **Delete:** allows you to delete the current image.
5. Press  to select additional options:
 - **Share via:** allows you to share a picture using AllShare or Picasa.
 - **Set as:** allows you to assign the current image as either as Contact icon, Home screen Wallpaper, or Lock screen Wallpaper. see “Motion Settings” on page 186.



- **More:** provides you with the additional options:
 - **Copy:** allows you to copy one or more pictures to a different folder.
 - **Print:** allows you to print the current image on a compatible Samsung printer.
 - **Edit:** launches the photo editor application. For more information, refer to “Ussing the Camcorder” on page 114.
 - **Crop:** provides an on-screen box that allows you to crop the current picture. Tap **Save** to update the image with the new dimensions or tap **Discard** to ignore any changes.
 - **Motion:** launches the Motion setting page. For more information, refer to “Motion Settings” on page 186.
 - **Rotate left:** allows you to rotate the view of the current image in a counterclockwise direction.
 - **Rotate right:** allows you to rotate the view of the current image in a clockwise direction.
 - **Slides how:** adds the selected photo to a custom slideshow.
 - **Rename:** allows you to remane the file.
 - **Send to:** allows you to send the file to a Contacts entry, New Email address, or New Phone number.
 - **Set Default Destination:** allows you to assign a default action to take after taking an image (Contacts, New Email address, or New Phone number).
 - **Details:** files details such as Title, Type, Date taken, Album, Location, Latitude, Longitude, etc.

Assigning an Image as a Contact Icon

1. From the Home screen, tap  (Applications) →  (Gallery).
2. Select a folder and tap a file to open it.
3. With the image displayed, press  and then tap **Set as** → **Contact icon**.
4. Tap a contact to make a selection.
5. Crop the image and tap **Save**.

Assigning an Image as a Wallpaper

1. From the Home screen, tap  (Applications) →  (Gallery).
2. Select a folder location and tap a file to open it.
3. With the image displayed, press  and then tap **Set as**.
4. Select one of the options:
 - **Contact icon**: assigns the selected image as a contact icon.
 - **Home screen wallpaper** assigns the current image to the home screen background. This image is spread across all available screens.
 - **Lock screen wallpaper** assigns the selected image to the background for the lock screen.

5. Touch and drag the crop box anywhere on the picture.
Touch and drag the sides of the crop box to zoom in or out to create a cropped area.
6. Tap **Save** to assign the wallpaper image.
– or –
Tap **Discard** to exit without updating the wallpaper image.

Photo Editor

The Photo editor application provides basic editing functions like brightness, contrast, and color as well as a wide variety of special effects.

1. From the Home screen, tap  (Applications) →  (Photo editor).
2. Tap **Select picture** to edit a picture in your Gallery.
– or –
Tap **Capture picture** to take a picture with the camera.
3. Tap the picture and it is loaded into the Photo editor.

4. Use the following controls to edit your picture:



Selection Size: allows you to set the size of the selection tool to Small, Medium, or Large.



Selection: use the selection tool to select an area to be edited.



Crop: allows you to crop (cut-out) an area of a photo.



Rotate: allows you to rotate a photo 90 degrees in either direction and flip the image horizontally or vertically.



Move: lets you change the visible area of the image when you are zoomed in and the entire photo is not showing on the screen.



Tools: allows you to Copy and Paste to a different image, Warp a selection or Fill a selection.



Effects: allows you to add various effects to your photo.



Color: allows you to adjust the Saturation, Contrast, Brightness of a photo. You can also convert it to Grey-scale.



Redo: move forward in the series of editing steps that have been performed (only available when Undo has been used to move backward in the sequence).



Undo: move backward in the sequence of editing steps that have been performed.

5. Press to access the following options:

- **New:** starts a new Photo editor project. Tap **Yes** to save the current project or **No** to exit the project without saving.
- **Save:** saves your photo to your gallery. Enter a file name (the default is the date and time) then tap **OK**.
- **Share:** allows you to share your photo via AllShare, Bluetooth, Email, Gmail, Messaging, Picasa, or Wi-Fi (file must be saved first).

Using the Camcorder

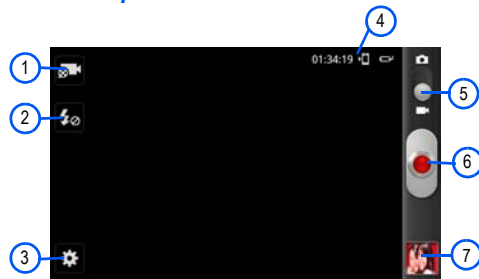
In addition to taking photos, the camera also functions as a camcorder that allows you to record, view, and send high definition videos.

Shooting Video

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

1. From the Home screen, tap  (**Camera**) to activate the camera mode.
2. Tap and slide the Camera mode button down to **Camcorder Mode**.
3. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
4. Tap the Camcorder key () to begin recording video. The red light will blink while recording.
5. Tap the Camcorder key () again to stop the recording and save the video file to your Camera folder.
6. To review the video, tap the image viewer, then tap .
7. Press  to return to the viewer.

Camcorder Options



The following options are available while using the camcorder:



(1) Recording mode: allows you to set the recording mode to Normal, which is limited only by available space on the destination location, Limit for MMS, which is limited by MMS size restrictions, and Self recording, which activates the front-facing camera so you can video yourself.



(2) Flash: allows you to set the flash option to Off or On. When you set the flash to On, it stays on continually while you are taking a video.



(3) Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most. Drag the desired shortcut to one of the four available locations at the left side of the screen. You can replace the default shortcuts (Recording mode and Flash) and add more below.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.



Settings (continued):

Recording mode: allows you to set the recording mode:

- **Normal:** is limited only by available space on the destination location.
- **Limit for MMS:** is limited by MMS size restrictions.
- **Self recording:** activates the front-facing camera so you can video yourself.

Exposure value: allows you to adjust the brightness level by moving the slider.

Timer: allows you to set a time delay before recording is started. Options include: Off, 2 sec, 5 sec, and 10 sec.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: None, Negative, Black and white, and Sepia.

Resolution: allows you to set the video resolution to: 1920x1080, 1280x720, 720x480, 640x480, 320x240, or 176x144.

White balance: adjusts the colour balance according to the lighting conditions: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

Video quality: allows you to set the image quality to: Superfine, Fine, or Normal.

Guidelines: provides vertical and horizontal lines on the that aid camera alignment (e.g., can help keep the horizon line straight).

Storage: allows you to configure the default storage location for videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camcorder settings to the default values.

(4) Storage information: displays the maximum remaining recording time and storage location (phone or memory card).



(5) Camera / Camcorder Mode: switches between camera and camcorder operation. Slide the button up for Camera, or down for Camcorder.



(6) Camcorder button: tap to start and stop video recording (Camcorder mode only).



(7) Image viewer: opens the Image viewer and the last video recorded. The last video is displayed as a thumbnail in the Image viewer icon.

Image viewer options

The following options are available when you open the image viewer:

- **Play:** allows you to playback the current video file.
- **Share:** allows you to share a video using AllShare, Bluetooth, Email, Gmail, Messaging, Photo editor, Picasa or Wi-Fi..
- **Delete:** allows you to delete the current video.
- **More:** provides additional options.
 - **Play:** replays the current video file.
 - **Rename:** allows you to rename the video file.

Accessing Videos

When you record a video, the file is saved in the Camera folder. You can view your videos immediately or view them anytime in the Camera folder.

1. From the Home screen, tap  (Applications) →



(Gallery).

2. Select a folder and tap a video icon to begin video playback.
– or –

Touch and hold the video icon from the main Gallery to select the video (green check mark) and display the following video menu context options:

- **Send via:** allows you to share a video using Bluetooth, Email, Gmail, Messaging and Wi-Fi.
- **Delete:** allows you to delete chosen/selected pictures. Tap the checkmark, to turn it green, next to any file or folder you want to delete, then tap **Confirm deletions**.
- **More:** provides you with the additional options such as:
 - **Share via:** allows you to share your file via YouTube.
 - **Play via:** allows you to play your selected via AllShare.
 - **Rename:** allows you to rename one or more video files.
 - **Send to:** allows you to send the file to a Contacts entry, New Email address, or New Phone number.
 - **Set Default Destination:** allows you to assign a default action to take after taking an image (Contacts, New Email address, or New Phone number).
 - **Details:** displays video file information.

Files

Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. This application allows you to launch a file if the associated application is already on your phone (ex: MP4).

- From the Home screen, tap  (Applications) →  (Files).

Note: Navigation in this viewer works on a hierarchy structure with folders, subfolders, etc.

Note: The application lets you view supported image files and text files on both your internal storage and microSD card.

Opening and Navigating within Files

DCIM is the default location for pictures or video taken by the device. These files are actually stored in the DCIM folder location.

1. From the Home screen, tap  (Applications) →  (Files).
2. Tap a folder and scroll down or up until you locate your selected file.
 - **Up tab** allows you to back up into a higher directory.
 - **Home tab** allows you to back up to the root directory.

- Press  and then tap **View as** to change the way the files are displayed on-screen. Choose from: **List**, **List and details**, or **Thumbnail**.
 - Press  for these additional options: **Share**, **Create folder**, **Delete**, **View as**, **List by**, and **More** (Move, Copy, Rename, and Settings).
3. Once you have located your file, tap the file name to launch the associated application.

The Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or caller image, and share as a picture message.

Note: If the phone displays a memory full message when accessing the Gallery, access **Files** and remove some of the media files from the folders, and then open the Gallery.

Opening the Gallery

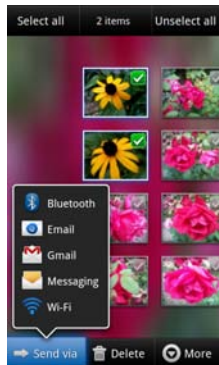
- From the Home screen, tap  (Applications) →  (Gallery). For more information see “Accessing Photos” on page 110 and see “Accessing Videos” on page 116.

Note: If you stored your files in folders (directories) on the phone and storage card, Gallery displays these folders as separate albums.

Gallery Options

While in the Gallery, press  to access gallery-specific options. A checkbox appears on all images to allow selection of individual or multiple images.

- **Send via:** allows you to forward one or more files using Bluetooth, Email, Gmail, Messaging or Wi-Fi.
- **Delete:** allows you to delete all selected files. Tap **Confirm deletions** to delete or **Cancel**.
- **More:** provides additional options depending on whether pictures, videos or both are selected.



Using the Video Player

The Video Player application plays video files stored on the phone or an SD card. This device is able to playback DivX videos.

1. From the Home screen, tap  (Applications) →  (Videos). A list of available videos displays in the Video list.
2. Tap a video file to begin viewing.

DivX Overview

This device is able to playback DivX videos and is DivX Certified® to play DivX® video up to HD 720p, including premium content. If you try to play DivX VOD content not authorized for your device, the message “Authorization Error” will be displayed and your content will not play.] Learn more at www.divx.com/vod.

Your device must first be registered to playback protected or purchased DivX content. DRM-free or unprotected content does not require DivX VOD registration.

Locating Your VOD Registration Code

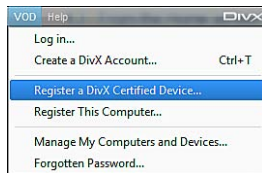
1. Press  →  and then tap  (Settings) → About phone → Legal information → License settings → DivX® VOD > Register.
2. Write down your Registration code.

3. Tap OK.

Register Your DivX Device for VOD Playback of Purchased Movies

To play purchased DivX movies on your device, you will first need to complete a one-time registration using both your device and your computer.

1. Determine the DivX registration code for your phone (see previous section).
2. Download and install the latest free DivX player for your computer from www.divx.com.
3. Open the DivX Player on your computer and from within the VOD menu, select **Register a DivX Certified Device...**
4. You are prompted to log in or create a DivX account if your account information has not already been saved in DivX Player.



5. Follow the instructions in DivX Player to enter the registration code and create a device name (e.g., "Pat"), then click **Next**.
6. Select a location on your computer to download the DivX registration video with the same title as your device name (e.g., Pat.divx).
7. Follow the onscreen instructions to download the file to your computer.
8. Connect your phone to the computer via USB.



9. When the Add or remove videos screen appears on the computer, select the target destination for the registration video (either the microSD card or **USB** to save it to the phone) and click **Start**.
– or –
Locate the video file, copy it, and paste it into the your device's microSD card location.
10. From the Home screen, tap  (Applications) →  (Files).
11. Locate your registration DivX video file and tap the file to play it. Once you play the registration file on your device, your registration is complete.
12. Return to the DivX VOD Manager screen (from within your computer's DivX Player). Select **VOD → Manage my Computers and Devices** and confirm both your computer and your new device appears in the list of registered DivX devices.

Important! There is no special registration or configuration necessary to playback DRM-free DivX movies. Registration of your device is only required for playback of protected DivX material.

Music

Playing Music

1. From the Home screen, tap  (Applications) →  (Music). If Music player tips display, tap **Done**.
2. Touch a tab to select the music category: **All**, **Playlists**, **Albums**, or **Artists**.
3. Scroll through the list and tap an entry to begin playback.
4. The following Music Player controls are available:



Pause the song.



Start the song after pausing.



Press and hold to rewind the song. Tap to go to the previous song.



Press and hold to fast-forward the song. Tap to go to the next song.



Volume control.



Allows you to listen to music using 5.1 Virtual Surround Sound.



Plays the entire song list once.



Replays the current list when the list ends.



Repeats the currently playing song.



shuffles the current list of songs randomly.



current list is played in order.



displays the current playlist



shows the song currently playing, opens the music player (displays at bottom of the playlist)

Note: The 5.1 channel sound effect only works when headphones are connected through the headset jack.

Making a Song a Phone Ringtone

1. From the Home screen, tap  (Applications) →  (Music).
2. Touch a tab to select a music category.
3. Touch and hold a song title to reveal the on-screen context menu.
4. Tap **Set as** → **Phone ringtone**.

Music Player Options

The Music Player Settings menu allows you to set preferences for the music player, such as whether you want the music to play in the background, sound effects, and how the music menu displays.

- ▶ With the music player application displayed, press  and select one of the following options:
 - **Add to quick list:** adds the selected music file to a quick playlist.
 - **Via Bluetooth:** plays the music through a Bluetooth stereo headset.
 - **Share music via:** shares a music file via AllShare, Bluetooth, Email, Gmail, Messaging, or Wi-Fi.
 - **Set as:** sets this song as a Phone ringtone, Caller ringtone, or Alarm tone.
 - **Add to playlist:** adds a song to the playlist.
 - **More:**
 - **Settings:** allows you to choose a setting for the Equalizer (Auto, Normal, Pop, Rock, Jazz, Dance, Classic, Live, or Custom), Sound effect (Normal, Wide, Concert hall, Music clarity, Bass enhancement, or Externalisation), and Music menu. The Music menu allows you to decide which music categories are displayed (Albums, Artists, Genres, Folders, Composers, Years, Most played, Recently played, or Recently added).
 - **Details:** displays details about the selected track.

Using Playlists

Playlists are used to assign music files into groups for playback. Playlists can be created using the Music player on this device, or using a third-party application (such as Windows Media Player) and downloading those files to the device.

Creating a Playlist

1. From the Home screen, tap  (Applications) →  (Music).
2. Tap the **Playlists** tab.
3. Press  and then tap **Create**.
4. Enter a new name for this playlist, then tap **Save**.

Adding Music to a Playlist

1. From the Home screen, tap  (Applications) →  (Music).
2. Tap the **Playlists** tab.
3. Tap a playlist.
4. Press  and then tap **Add**. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Add**.

Note: You can also add a song to any playlist by touching and holding the song name from the main screen to open the context menu and selecting **Add to playlist**.

Removing Music from a Playlist

1. From the Home screen, tap  (Applications) →  (Music).
2. Tap the **Playlists** tab.
3. Tap a playlist.
4. Press  and then tap **Remove**. Tap a music file, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

Note: You can also touch and hold a song to reveal the on-screen context menu and tap **Remove** → OK.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also share, delete, or rename the playlist.

Only those playlist you have created can be edited. Default playlists can not be renamed.

1. From the Home screen, tap  (Applications) →  (Music).

2. Tap the **Playlists** tab.
3. Touch and hold a playlist entry to reveal the on-screen context menu.
4. Tap **Edit title**.
5. Enter a new name for this playlist and tap **Save**.

Transferring Music Files

Music files can be downloaded to the phone using one of two methods:

1. Downloaded to the phone from the Web.
Music files are directly stored on your phone.
2. Downloaded to the phone via a direct USB connection.
Music files are stored into a Music folder on the SD card.

For more information, see “PC Connections” on page 154.

Removing Music Files

1. From the Home screen, tap  (Applications) →  (Music).
2. Tap the **All** tab or select a music category.
3. Press  and then tap **Delete**. Tap a music file, or tap **Select all** to delete all the music tracks from this folder, then tap **Delete**.

Note: You can also touch and hold a song to reveal the on-screen context menu and tap **Delete** → **OK**.

YouTube

YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format.

1. From the Home screen, tap  (**Applications**) →  (**YouTube**).
2. Review the Terms and Conditions then tap **Accept** to continue or **Decline** to exit.
3. When the screen loads you can begin searching and viewing posted videos.
4. Press  → **Settings** → **High quality on mobile** to view videos in high quality (startup may take longer).

Section 9: Applications and Development

This section outlines the various applications that are available on your phone.

Applications

The Applications list provides quick access to all the available applications on the phone.

Refer to the application table on page 31 for a description of each Application, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Accounts and sync

This application allows you to configure general synchronization settings that determine whether the background data is synchronized, and whether you automatically synchronize data with the phone.

- From the Home screen, tap  (Applications) →  (Accounts and sync).

For more information, refer to “Accounts and Synchronization” on page 185.

AllShare

This application wirelessly synchronizes your Samsung mobile phone with your TV, streams content and even keeps tabs on who calls or sends text messages with real-time, on-screen monitoring. Samsung’s AllShare makes staying connected easy.

Allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

Important! You must activate Wi-Fi to use this application. For more information, refer to “Wi-Fi settings” on page 165.

1. From the Home screen, tap  (Applications) →  (AllShare).
2. Follow the on-screen prompts.

The application contains two separate streaming media options:

- **My device** allows you to stream/share selected multimedia content from your device to DLNA compliant device connected to the same WAP.

- **Remote device** allows you to receive and playback media stored externally (server, laptop, etc.) directly on your device.

Configuring AllShare Settings

The AllShare™ application must first be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. From the Home screen, tap  (Applications) →  (AllShare).
2. Press  and then tap **Settings** and configure the following settings as desired:
 - **Device name:** defaults to your phone name. Use the keypad to enter a new name if desired, and tap **Save**.
 - **Share videos/photos/music:** allows you to restrict what is shared from your phone. Tap the selection boxes to select or deselect items you want to share (add or remove a check mark).
 - **Upload from other devices:** allows you set the phone to select whether to accept uploads from other devices. Tap **Always accept**, **Always ask**, or **Always reject**.
 - **Default memory:** allows you to have media saved to your **Phone** or **Memory Card**. Tap an option.
 - **Subtitles:** allows you to see subtitles on shared media.

Depending on the setting you changed, a pop-up screen may display to restart AllShare. Tap **Yes** to continue.

Transmitting Media via AllShare

1. Tap the **My device** tab, select **Videos**, **Photos**, or **Music**, and then tap on the media that you would like to share.
2. At the **Select device** screen, any devices that you can share with are displayed.
3. Tap on a device to share media.

Receiving Media via AllShare

1. Tap the **Remote device** tab at the top of the screen. All devices that you can receive media from are displayed.
2. Tap a device name. Media that you can receive from the other device is listed.
3. Tap an item that you want to stream to your phone.

Calculator

Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator.

1. From the Home screen, tap  (Applications) →  (Calculator).
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by tapping the **Plus**, **Minus**, **Multiplication**, or **Division** key.
4. Enter the next number.
5. To view the result, tap the = (**equals**) key.
6. Repeat steps 1 to 4 as many times as required.

Note: To use the scientific functions, turn the phone sideways to landscape mode.

Calendar

With the Calendar feature, you can consult the calendar by day, week, or month; create events; and set alarms to act as reminders. If your phone is linked to a Google account, both new and existing entries are synchronized between your phone and your online Google account.

1. From the Home screen, tap  (Applications) →  (Calendar). The Calendar displays four tabs:
 - **Month:** displays the Month view.
 - **Week:** displays the Week view.
 - **Day:** displays the Day view.
 - **List:** allows you to search for events for the selected Month, Week, or Day, or you can look for events for a future date.
2. Press  and select one of the following options:
 - **Create:** creates a new Event.
 - **Go to:** displays a specific date.
 - **Today:** moves the date selection to the current day (highlighted by a Blue box).
 - **Search:** allows you to search for an event.
 - **Delete:** allows you to delete All events, All events before today, or an individual event.
 - **Settings:** displays a list of configurable settings.

For more information, refer to “*Synchronizing Contacts*” on page 83.

To manually sync calendar events:

1. Press  →  and then tap  → **Accounts and sync**.
2. Locate the email account you wish to synchronize the phone calendar with.
3. Tap  within the adjacent account field to reveal the account's synchronization settings screen.
4. Tap **Sync Calendar** to activate the synchronization of calendar events between your device and the remote account. A green checkmark indicates the feature is enabled.

Contacts

You can save phone numbers and other contact information to your phone's memory and online accounts.

- From the Home screen, tap  (**Contacts**).

For more information, refer to “*Contacts List*” on page 73.

Camera

Use your 8.0 megapixel camera feature to produce photos in JPEG format. The Camcorder shoots High Definition video in an MP4 format.

- From the Home screen, tap  (**Applications**) →  (**Camera**).

For more information, refer to “*Using the Camera*” on page 106.

Clock

Here you can set an alarm, configure and view the World clock, use a stopwatch, set a timer, or configure a desk clock. The applications display in a tabular format and are quickly accessed with the touch of a finger.

- From the Home screen, tap  (**Applications**) →  (**Clock**).

For more information, refer to “*Clock*” on page 162.

Downloads

Provides quick access to tabs containing a list of your current downloaded files (Internet and Other).

1. From the Home screen, tap  (**Applications**) →  (**Downloads**).
2. Tap an available file category tab (**Internet downloads** or **Other downloads**) and select the desired file.

Email

Email enables you to review and create email using various email services. The device alerts you when you receive an email message.

For more information, refer to “*Email*” on page 95.

Files

Organize and store data, images, and more in your own personal file folders on your phone and in a memory card.

- ▶ From the Home screen, tap  (Applications) →  (Files).

For more information, refer to “*Files*” on page 117.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or caller image, and share as a picture message.

- ▶ From the Home screen, tap  (Applications) →  (Gallery).

For more information, refer to “*The Gallery*” on page 118.

Gmail

Gmail (Google Mail) is a web-based email service. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web.

- ▶ From the Home screen, tap  (Applications) →  (Gmail).

For more information, refer to “*Using Gmail*” on page 103.

Google Search

Google Search is a web-based search engine that uses text-based queries to search for content on web pages.

- ▶ From the Home screen, tap  (Applications) →  (Google Search) and enter the search text. For more information, refer to “*Using Google Search*” on page 24.

– or –

Tap  on the Google Search bar and say the search information. For more information, refer to “*Search Key*” on page 23.

Kies air

Kies air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view and share call logs, videos, photos, music, bookmarks, ringtones, and even send SMS messages from your PC.

- From the Home screen, tap  (Applications) →  (Kies air).

For more information, refer to “Kies Air” on page 155.

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.

- From the Home screen, tap  (Applications) →  (Latitude).

Important! For best results, it is recommended that you enable all of your location services. For more information, refer to “Location and Security” on page 179.

Sharing your Location with Friends

1. From the Latitude map screen, tap  to display your Latitude friends. At first, only your name is displayed.

2. Press  → **Add friends**.
3. Tap **Select from Contacts** or **Add via email address**.
4. Tap a contact or enter an email address, then tap **Add friends**.
5. Tap **Yes** at the **Send sharing requests** prompt.

Your friend will receive an email or text message with your location marked on a map. They will also receive instructions on how to view your location from the web or use Latitude on their phone or tablet provided it is available. Once they acknowledge your request, their location will display on your tablet. They can share their location from their computer, phone, or tablet. For more information, go to <http://www.google.com/latitude>.

6. To view the map, press  → **See map**.

Latitude Options

- From the map display, press  to display the following options:
 - **Search:** allows you to search for a place of interest.
 - **Directions:** displays navigation directions to a location from a starting point.

- **My Places:** allows you to see locations you have marked as favourites. Press and hold on a location and when the screen displays the address box, tap the box to open the details screen and tap the star in the upper-right corner. It will be listed in your Starred Places.
- **Clear Map:** allows you to remove all markings and layers from the map.
- **Latitude:** lets 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.
- **More:** allows you to select the following additional options:
 - **Labs:** this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.
 - **Cache Settings:** allows you to set options to pre-fetch map tiles when not using Wi-Fi and to clear the cache that holds the map tiles.
 - **Help:** displays the Google Mobile Help web page where you can receive help on Google Maps.
 - **Terms, Privacy & Notices:** displays the Terms and Conditions, Privacy Policy, or Legal Notices information. Select the desired information from the pop-up menu.
 - **About:** displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.

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/4G) or Wi-Fi connection. The Maps application does not cover every country or city.

-
- From the Home screen, tap  (Applications) →  (Maps).
-

Important!: For best results, it is recommended that you enable all of your location services. For more information, refer to “*Location and Security*” on page 179.

Enabling a Location source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

Important!: The more location determining functions are enabled, the more accurate the determination will be of your position.

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Use wireless networks** to enable location determination based on nearby cell towers.
3. Tap **Use GPS satellites** to enable location determination using GPS satellites.
4. Tap **Use sensor aiding** to enhance positioning and save power using sensors.

Tip: Use of GPS satellites for positioning requires a clear view of the sky and uses more battery power.

Opening Maps

1. From the Home screen, tap  (**Applications**) →  (**Maps**).
2. Locate the top row of the application to access additional options:
 - **Search Maps:** allows you to search for a place of interest.
 - **Places:** provides access to the places menu where you can quickly locate a business or person; find out more information about a business; and see coupons, public responses, and more (see page 139). Locate and tap one of the listed places (Restaurants, Coffee, Bars, Attractions, ATMs, Gas Stations,

Explore Nearby, or Add.) A list of places within the chosen or entered category displays.

- **Layers:** allows you to switch map views:
 - **Traffic:** (available only in selected areas) Real-time traffic conditions are displayed over roads as color-coded lines.
 - **Satellite:** displays Google Earth satellite image. Satellite images are not real-time.
 - **Terrain:** displays a topographical view of the terrain around the current map location.
 - **Transit Lines:** adds transit lines to your map.
 - **Latitude:** allows you to see your friend's locations and share your location with them.
 - **My Maps:** displays a list of your preferred maps.
 - **Bicycling:** adds cycling trails to your map.
 - **Wikipedia:** displays any Wikipedia markers and info on your map.
 - **My Location:** when touched, the location displays on the map with a blinking blue dot.
3. Press  and select one of the following options:
 - **Search:** allows you to search for a place of interest.
 - **Directions:** displays navigation directions to a location from a starting point.
 - **My Places:** marks favourite locations on the map. These items are automatically synchronized with maps.
 - **Clear Map:** resets the map, removing directions and added information.

- **Latitude:** lets 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.
- **More:**
 - **Labs:** a testing ground for experimental features that are not ready to use publicly.
 - **Cache Settings:** select whether to prefetch map information when not on a Wi-Fi connection or clear the cache of map tiles.
 - **Help:** uses the browser to display a searchable Google Maps for Android Help screen.
 - **Terms, Privacy & Notices:** displays the Terms and Conditions, Privacy Policy, or Legal Notices information. Select the desired information from the pop-up menu.
 - **About:** displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.

Market

Android Market provides access to downloadable applications and games to install on your phone. Android Market also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Downloading a New Application

Android Market provides several ways to find applications. The home page lists Featured applications and includes a list of item

applications by category, a list of games, a link to search, and a link to My apps (applications that you have already downloaded).

1. From the Home screen, tap  (**Applications**) →  (**Market**).
2. If not already logged in with your Google account, tap **Next**, tap **Sign in**, enter your Google account information and tap **Accept** to agree to the Android Market terms of service.
3. To find an app, you can Browse through the Featured list, select a category (Apps or Games) and sub-category, or use the search box.
4. When you find an application you're interested in, tap the name and read the application description.
5. If the application is free, tap **Install**. If there is a charge for the application, tap **Buy**.
6. If the selected application requires access to data or control of a function on your phone, Market displays the information the application will access. Tap **OK** if you agree to the conditions of the application. Once you tap **OK** on this screen it uses. Use this feature with caution.

Note: Use caution with applications that require access to any personal data or use significant amounts of data. You are responsible for using the application on the phone and the amount of data.

7. If prompted, follow the on-screen instructions to pay for the application.
8. The application is automatically downloaded and installed on your phone. You can check the progress of the download by opening the Notifications panel.
9. After the item is downloaded and installed on your phone, the successful download icon  appears in the notification area of the status bar. The downloaded application displays in the applications list.

Note: A data plan is required to use this feature. Charges may apply. Contact your service provider for further details.

Launching an Installed Google Application

1. From the Home screen, tap  (Applications).
2. Tap the newly installed application.

Note: Applications are arranged in alphabetical order if View Type is set to Alphabetical grid or Alphabetical list. New applications appear at the end of the list if View type is set to Customizable grid.

Memo

This feature allows you to save and recall memos.

1. From the Home screen, tap  (Applications) →  (Memo).
2. Tap **Create memo**.

Note: If this is your first memo, you are automatically taken to the new memo screen.

3. Compose the memo.
4. Tap **Save**.

For more information, refer to “Text Input Methods” on page 62.

Memo options

While viewing the list of Memos, press  and select one of the following options:

- **Create:** allows you to create a memo.
- **Delete:** allows you to delete one or more memos.
- **Search:** allows you to search within the current set of memos.

- **Send:** allows you to send one or several of your memos at one time. Select a memo and tap send to deliver it via: Bluetooth, Email, Messaging, or Wi-Fi.
- **Sort by:** allows you to sort by Date or Color.
- **More:** provides the following options:
 - **SNS log in:** allows you to log into your Facebook, Twitter, or LinkedIn accounts.
 - **Sync memo:** allows you to sync your memos Google Docs or send individual memos.
 - **PIN lock:** allows you to set a PIN lock so that a PIN must be entered before reading a memo.

Note: You can also touch and hold the memo and select **Send** or **Update SNS**.

While composing a memo, the following options are available at the top of the memo:

- **Delete:** discards the memo.
- **More:**
 -  **Delete:** discards the memo.
 -  **Color:** lets you change the background colour of the memo.
 -  **Lock:** locks the memo so it cannot be deleted.
 -  **Print:** prints the memo on a Samsung printer.

Messaging

This application allows you to use the Short Message Service (SMS) to send and receive short text messages to and from other mobile phones. You can also use the Multi Media Service (MMS) to create multimedia messages to send and receive from other mobile phones.

- From the Home screen, tap  (**Applications**) →  (**Messaging**).

For more information, refer to “Messages” on page 90.

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 the Home screen, tap  (**Applications**) →  (**Mini Diary**). Any diary entries display in a list.
2. If prompted, tap **Yes** to allow required network connectivity.
3. To add a photo for this diary event, Tap the **Tap to add photo** field and touch the source. Selections are: **Camera** or **Gallery**.
4. Tap the **Add location** area of the screen, enter text, then tap **Done**.

5. Tap the **Tap to add text** area of the screen and enter text then tap **Done**.
6. Tap the weather data icon in the top right corner and select a weather condition from the list to describe the weather conditions for this entry.
7. Tap **Save**.

Mini Diary settings

1. From the Home screen, tap  (Applications) →  (Mini Diary).
2. From the main Diary listings page, press  and then tap **Settings**.
3. To have the weather and location settings update automatically, tap **Auto update** to place a checkmark in the selection box.

Deleting a Mini Diary entry

1. From the Home screen, tap  (Applications) → .
2. Press  and then tap **Delete all**.

Mini Diary options

1. From the Home screen, tap  (Applications) → .

2. Select a diary.
3. Press  and select one of the following options:
 - **Create**: creates a new diary entry.
 - **Delete**: deletes the displayed entry.
 - **Edit**: allows you to edit the current diary entry.
 - **Change photo**: replaces the photo in this entry by allowing you to take another photo or use another image. Only appears when a photo has been added to the diary.
 - **Delete photo**: deletes the photo from this entry (touch Yes to confirm). Only appears when a photo has been added.
 - **Publish**: send the diary to an SNS service such as Facebook. Appears here when a photo has not been added to the diary.
 - **Send via**: send the diary via Email or Messaging. Appears here when a photo has not been added to the diary.
 - **More**: provides additional options such as: Publish (SNS service such as Facebook) and Send via (to deliver the entry via either Email or Messaging). Only appears when a photo has been added to the diary.

Music

This application allows you to play music files that you have stored on your microSD card. You can also create playlists.

- ▶ From the Home screen, tap  (Applications) →  (Music).

For more information, refer to “Music” on page 121.

Music Hub

Music hub lets you browse, listen, and purchase songs from a catalogue of over 10 million Mp3 files.

- ▶ From the Home screen, tap  (Applications) →  (Music Hub).

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.

Important! 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
-

- ▶ From the Home screen, tap  (Applications) →  (Navigation).

Enabling Location

1. Press  →  and then tap  (Settings) → **Location and security**.
2. Tap **Use wireless networks**. A green check mark indicates that Wi-Fi and/or mobile networks can be used to determine location.
3. Tap **Use GPS satellites**. A green check mark indicates that GPS satellites can be used to determine location (accurate to street level but uses additional power and requires unobstructed view of the sky).
4. Tap **Use sensor aiding**. A green check mark indicates the phone can use sensors to enhance positioning and save power.

Navigation

1. From the Home screen, tap  →  (Navigation).
2. If this is the first time the application has been opened, read the on-screen disclaimer and tap **Accept**.
3. Choose from the following on-screen options:
 - **Driving/Walking**: configures the method of travel. Selection of Walking negates the need to track traffic jams and obstructions.
 - Driving mode enables the **Settings** feature that allows you to configure your Route options: **Avoid highways** and **Avoid tolls**.
 - **Map**: enables the on-screen real-time map functionality.
 - **Speak Destination**: allows you to use the voice recognition feature to search for locations in your area.
 - **Type Destination**: allows you to manually enter a destination address (via the on-screen keypad).
 - **Contacts**: allows you to receive turn-by-turn directions to the address stored for a selected Contacts entry.
 - **Starred Places**: allows you to obtain directions to locations that have been starred.

Navigation Map options

On the map screen, you can access the following features:

- **Destination**: returns you to the previous Navigation options screen.
- **Search by voice**: Speak your destination instead of typing.
- **Layers**: allows you to switch map views:

- **Traffic**: (available only in selected areas) Real-time traffic conditions are displayed over roads as color-coded lines.
- **Satellite**: displays Google Earth satellite image. Satellite images are not real-time.
- **Parking**: displays parking information relative to your current location.
- **Gas Stations**: displays gas station locations relative to your current location.
- **ATMs & Banks**: displays ATM and Bank locations relative to your current location.
- **Restaurants**: displays restaurant locations relative to your current location.

Press  to access additional options:

- **Search**: search for a destination.
- **Set Destination**: returns you to the navigation options screen where you can access a destination by either Speaking, Typing, or selecting from a Contacts entry or Starred Place.
- **Layers**: allows you to switch map views. See description above.
- **Mute**: allows you to mute the audio readout and directional information.
- **Exit Navigation**: terminates the application.
- **More**: provides additional application information: Help and Terms, Privacy & Notices.

Caution! Navigation is a beta product. Use caution.

News & Weather

The News & Weather application allows you to view the news and weather for your area.

1. From the Home screen, tap  (Applications) →  (News & Weather).
2. Select from any of the available tabs: **Weather**, **Top Stories**, **Canada**, **Sports**, and **Entertainment**.
3. On the Weather screen, tap the temperature reading to display a graph mapping the day's temperature and humidity.
4. While on the Weather screen, you can also press  to access the following options:
 - **Refresh**: allows you to refresh the screen. Your location and the weather is updated if there have been any changes.
 - **Settings**: allows you to set weather, news, and refresh settings.
 - **Weather settings**: allows you to choose automatic or manual location determination and toggle metric or imperial units.
 - **News settings**: allows you to choose topics, configure settings for fetching articles and images, and view the terms of service for news service.
 - **Refresh settings**: allows you to choose options for updating content.
 - **Application version**: displays the application version number.

Photo Editor

This application provides basic editing functions for pictures that you take on your phone. Along with basic image tuning like brightness, contrast, and color it also provides a wide variety of effects used for editing the picture.

- From the Home screen, tap  (Applications) →  (Photo editor).

For more information, refer to “*Photo Editor*” on page 112.

Places

Google Places displays location information on a layer of Google Maps. When viewing an area you can quickly locate a business or person, find out more information about the business, see coupons, public responses, and more.

1. From the Home screen, tap  (Applications) →  (Places).
2. Use the **Find places** field to manually enter a desired place, tap one of the available categories (Restaurants, Coffee, Bars, Attractions, ATMs, Gas Stations, Explore Nearby), or tap **Add** to add a new category to the list. Matches are filtered by those closest to your current location.

3. Tap the name of a place to view the address, phone number, website address, photos, reviews, directions, and more.
– or –
Tap the Maps icon (upper-right) to see the location of the listed places on the map.

Polaris Office

Polaris Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. From the Home screen, tap  (Applications) →  (Polaris Office).
2. Read the registration information and enter your Name and Email information (if desired).
3. Tap **Later** to ignore this registration or **Register** to complete the process.
4. Read the End User License Agreement, then tap **Accept** if you agree with the terms of use.

5. On its initial launch, tap an available tab:
 - **New:** creates a new office document.
 - **My Files:** This is where you keep your documents on this device. You can manage documents, or send them to others, and upload the documents.
 - **Recent docs:** provides a list of recently opened documents.
 - **Web files:** This provides your online storage information at Box.net. You can also share your documents to others without using email attachments.
 - **Search:** allows you to search for document files by using a text string.

Readers Hub

With the Readers Hub application, you can read best sellers, news, and emagazines all delivered to your device via wireless or Wi-Fi connection.

Getting Started

To use the Readers Hub application, you will need to create an account. To get started, follow these steps:

1. From the Home screen, tap  (Applications) →  (Readers Hub).

The Hub page displays.

News

News, powered by Press Display, provides access to newspapers from around the world on the day they are published, often before they hit the news stands.

Books

Books, powered by Kobo, lets you purchase books, download free books, and read books using the Kobo reader.

Magazines

Magazines, powered by Zinio, provides digital editions of a wide range of magazines.

Samsung Apps

Samsung Apps allows you to easily download an abundance of useful applications to your phone and to keep them updated. Featuring a wealth of games, news, reference, social networking, widgets, health related applications, and more, Samsung Apps gives you instant access to a huge selection of mobile experiences.

Your phone can use the fully optimized applications from Samsung Apps, which can be automatically updated.

1. From the Home screen, tap  (Applications) →  (Samsung Apps).
2. Search for and download applications as required.

Note: This feature might not be available in your region. For details, visit www.samsungapps.com.

Settings

This menu allows you to adjust the various settings for your phone.

- From the Home screen, tap  (Applications) →  (Settings).

— or —

- Press  →  and then tap  (Settings).

For more information, refer to “Changing Your Settings” on page 165.

Social Hub

Allows you to easily and intuitively satisfy all of your communication needs from within a single-user interface. Email, instant messaging, social network messages, and calendar contents from all major service providers are available.

1. From the Home screen, tap  (Applications) →  (Social Hub).

2. If this is the first time Social Hub has been opened, the Welcome to Social Hub page describes all of the available features. Tap **Setup now** to setup your Social Hub account. If the application has previously been opened, tap **Add Account** to start setting up your Social Hub account.
3. Tap on an account type that you would like to setup. Choose an Email account, SNS account, or IM account.
4. Follow the on-screen instructions for adding an account.
5. From the Social Hub main screen, tap the **Feeds** or **Messages** tabs to see information pertaining to your account.
6. To add another account, press  → **Add account**.

Tags

This application is used for organizing and sharing Near Field Communication (NFC) tags. You can scan a tag by turning on your device and placing it near the tag. For more information, refer to “Near Field Communication” on page 169.

1. From the Home screen, tap  (**Applications**) →  (**Tags**).

2. Read the on-screen tutorial screen and follow the navigation instructions.

Turning on the NFC feature:

- From the Home screen, tap  (**Applications**) →  (**Settings**) → **Wireless and networks** → **NFC**.

Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

Task

Allows you to keep track of both your current and upcoming tasks. You can also sync these tasks with different accounts.

1. From the Home screen, tap  (**Applications**) →  (**Task**).
2. Tap **Create task** to start a new task entry.
3. Tap the **Name** field and enter a task name using the keypad.
4. Tap the **Due date** field and enter a due date using the keypad. If the task is not due on a specific date, tap the **No due date** checkbox.

5. If desired, enter **Task**, **Priority**, **Reminder**, and **Notes** then tap **Save**.
6. At the Task list screen, press  to display the following options:
 - **Create**: allows you to create a new task.
 - **Delete**: allows you to delete one, several, or all of your tasks.
 - **Search**: allows you to search your tasks for a particular word or words.
 - **List by**: allows you to sort by Due date, Status, or Priority.
 - **Sync task**: allows you to sync your tasks to any of your accounts.

To mark a task as completed, from the Task list screen tap the selection box next to the task name. A checkmark appears next to the task and the task name is grayed out.

Task Manager

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

Sometimes your device might seem to slow down over time, and the biggest reason for this is background applications. These are applications that have not been closed or shutdown and are still active but minimized. The Task Manager not only lets you see which of these applications are still active in the background but also easily lets you choose which applications are left running and which are closed.

Note: Note: The greater the number of applications running on your phone, the greater the energy drain on your battery.

Shutting Down Applications

- From the Home screen, tap  (**Applications**) →  (**Task Manager**).

— or —

Press and hold  then tap **Task manager**.

This screen contains the following tabs:

- **Active applications** display the active applications running on your phone.
 - **Downloaded** displays any installed packages or applications from Android Market that are taking up memory space. Tap **Uninstall** to remove them from your phone.
 - **RAM**, displays the amount of RAM (Random Access Memory) currently being used and allow you to **Clear memory**.
 - **Storage** displays a graph indicating the available and used space within **System storage**, **USB storage**, and **SD card**.
 - **Help** provides additional battery saving techniques.
7. From the **Active applications** tab, tap **Exit** to close selected applications or tap **Exit all** to close all running applications.

Videos

The Video Player application plays video files stored on your microSD card.

- ▶ From the Home screen, tap  (Applications) →  (Videos).

For more information, refer to “Using the Video Player” on page 119.

Voice Command

This application can use your voice to perform operations that you would normally have to do by hand, such as dialing a phone number, sending a text message, or playing music.

- ▶ From the Home screen, tap  (Applications) →  (Voice Command).

For more information, refer to “Using Voice Command” on page 49.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and send it as a message.

1. From the Home screen, tap  (Applications) →  (Voice Recorder).
2. Tap **Record** to record an audio file.

3. Tap **Stop** to stop recording. The file automatically saves to the Voice list.

To share a recorded file, from the Recorded files page, press , tap **Share** and select a sharing method. Selections are: Bluetooth, Email, Gmail, Messaging, Wi-Fi.

Voice Search

The Voice Search feature is a voice-activated application that allows you to speak search terms that the phone uses to perform a Google search. For more information, refer to “Using Additional Voice Search Functions” on page 24.

1. From the Home screen, tap  (Applications) →  (Voice Search).
2. Tap **Speak now** and speak your search terms slowly and clearly. Google searches for the information and displays related information in the browser.

Voice Talk

Launches your phone’s built-in voice recognition system that allows you to initiate some common tasks without having to touch the phone. Features include: Call, Text, Navigate, Play music, Memo, Driving mode, Go to websites, Schedule, Search.

- ▶ From the Home screen, tap  (Applications) →  (Voice Talk).

For more information, refer to “Using Voice Talk” on page 50.

Web

Opens the browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone.

- ▶ From the Home screen, tap  (Applications) →  (Web).

For more information, refer to “Web” on page 146.

YouTube

YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format.

1. From the Home screen, tap  (Applications) →  (YouTube).
2. When the screen loads you can begin searching and viewing posted videos.

To configure YouTube Settings:

- ▶ Press  and then tap **Settings** and configure the following parameters:
 - **High quality on mobile** allows you to start all videos in high quality mode while you are connected to a mobile network.

- **Caption font size** allows you to set the font size used by on-screen captions. Choose from: Small, Medium, Large, or Extra Large.
- **Clear search history** allows you to clear any previous YouTube searches from appearing within the search box.
- **SafeSearch filtering** allows you to configure block settings for videos containing restricted content. This option blocks these videos from appearing within your search results. Choose from: Don't filter, Moderate, or Strict blocking.
- **Help** provides answers to most YouTube questions.
- **Feedback** allows you to provide user feedback to YouTube.
- **Google Mobile Terms of Service**
- **YouTube Terms of Service**
- **Google Mobile Privacy Policy**
- **YouTube Privacy Policy**
- **Application version** displays the software version for the current YouTube application.

Section 10: Connections

Your phone is equipped with features that allow you to quickly connect to the web, Bluetooth devices or a PC.

Web

Your phone is equipped with a Google browser to navigate the mobile web. This section explains how to navigate the browser and use the basic features.

Accessing the Internet

To access the Browser:

- ▶ From the Home screen, tap  (Applications) →  (Web).

Entering a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website:

- ▶ Tap the **URL** field at the top of the screen, enter the URL and tap .

Navigating with the Browser

1. To select an item, tap an entry.

2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. To return to the previous page, press .

Browser Options

1. With a web page open, press  to access the following options:
 - **New window:** displays a new window so you can browse multiple URLs. For more information, refer to “*Adding and Deleting Windows*” on page 147.
 - **Windows:** displays a list of the windows you have open.
 - **Browser brightness:** allows you to manually adjust the screen brightness.

Note: If the Automatic brightness feature is enabled (**Settings** → **Display** → **Brightness**), you can not modify the browser's brightness setting.

- **Refresh:** reloads the current page.
- **Forward:** go to the next page in the browser history.
- **More:** displays the following additional options:
 - **Add bookmark:** allows you to add a URL to your bookmark list.

- **Add shortcut to Home:** adds a shortcut to your phone's Home screen.
- **Find on page:** allows you to search in the current page.
- **Page info:** displays information about the selected page.
- **Share page:** allows you to share the page using Bluetooth, Email, Gmail, Messaging, My tag or Wi-Fi.
- **Downloads:** displays the download history.
- **Settings:** allows you to change the way you view your web pages by changing these options. See "Browser Settings" on page 149.
- **Print:** provides print access on compatible Samsung printers.

Search the Internet

To perform an internet search using keywords:

1. Tap the **URL** field, enter the keyword(s) to search using the on-screen keypad.
2. Tap . A list of search results displays.
3. Tap a link to view the website.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window:

1. From your browser, press  and then tap **New window**.
 - or –
 Press  and then tap **Windows → New window**.

2. A new browser window displays.
3. Press  and then tap **Windows** to see a list of all open windows.

Note: This icon will display a number that corresponds to the current number of active browser windows.

4. Scroll across the screen to view the currently active windows and tap an entry to launch the selected Internet window.
5. Tap  next to the listing to delete the window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites display in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. On the browser screen, tap . The **Bookmarks** page displays. Additional pages include **Most visited** and **History**.
2. Press  to display the following options:
 - **Bookmark last-viewed page:** Creates a new bookmark for the last webpage that you viewed.

- **List/Thumbnail view:** Select **Thumbnail view** (default) to view a thumbnail of the webpage with the name listed, or select **List view** to view a list of the bookmarks with Name and URL listed.
 - **Create folder:** Creates a new folder in which to store new bookmarks.
 - **Change order:** Rearranges the current bookmarks.
 - **Move to folder:** Selected bookmarks are moved to a selected folder.
 - **Delete:** Erases selected bookmarks.
3. Tap a bookmark to view the webpage, or touch and hold a bookmark for the following options:
- **Open:** Opens the webpage of the selected bookmark.
 - **Open in new window:** Opens the webpage in a new window.
 - **Edit bookmark:** Allows you to edit the name or URL of the bookmark. For more information, refer to “*Editing Bookmarks*” on page 148.
 - **Add shortcut to Home:** Adds a shortcut to the bookmarked webpage to your phone’s Home screen.
 - **Share link:** Allows you to share a URL address via Bluetooth, Email, Gmail, Messaging, My tag, or Wi-Fi.
 - **Copy link URL:** Allows you to copy the URL address to use in a message.
 - **Delete bookmark:** Allows you to delete a bookmark. For more information, refer to “*Deleting Bookmarks*” on page 148.

- **Set as homepage:** Sets the bookmark to your new homepage.

Adding Bookmarks

1. From the Home webpage, tap  → **Add**.
2. Use the on-screen keypad to enter the name of the bookmark and the URL.
3. Assign a folder location. **Home** is the default.
4. Tap **OK**. The new save page now appears on the Bookmarks page.

Editing Bookmarks

1. From the Bookmarks page, touch and hold the bookmark you want to edit.
2. Tap **Edit bookmark**.
3. Use the on-screen keypad to edit the name of the bookmark or the URL.
4. Tap **OK**.

Deleting Bookmarks

1. From the Bookmarks page, touch and hold the bookmark you want to delete.
2. Tap **Delete bookmark**.

3. At the confirmation window, tap **OK**.

Emptying the Cookies

A cookie is a small file placed on your phone by a visited website. In addition to containing some site-specific information, a cookie can also contain some personal information (such as a username and password) which might pose a security risk if not properly managed. You can clear these cookies from your phone at any time.

1. From the Home webpage, press  and then tap **More → Settings → Clear all cookie data**.
2. Tap **OK** to delete the cookies or tap **Cancel** to exit.

Using Web History

The History list displays a list of the most recently viewed websites. These entries can be used to return to previously unmarked web pages.

1. From the Home webpage, tap  → **History** tab.
A list of the most recently viewed websites displays.

2. Tap an entry to display the webpage.

– or –

Press  and then tap **Clear history** to delete the current History list.

Using Most Visited

The Most visited list provides you with a list of the most visited websites. These entries are used to return to previously unmarked web pages.

1. From the Home webpage, tap  → **Most visited** tab.

A list of your most frequently visited webpages displays, starting with the most frequently visited site.

2. Tap any entry to display the selected webpage.

Browser Settings

To make configure browser settings:

1. From the Home screen, tap  (Applications) →  (Web).
2. Press  and then tap **More → Settings**.
3. Choose from the following on-screen options:
 - **Default zoom:** Adjusts the zoom feature. Set to Far, Medium, or Close.
 - **Open pages in overview:** Displays an overview of recently viewed web pages.
 - **Text encoding:** Adjusts the current text encoding.

- **Block pop-up windows:** Prevents popup advertisement or windows from appearing on-screen. Remove the checkmark to disable this function.
- **Load images:** Allows web page images to load along with the other text components of a loaded website.
- **Auto-fit pages:** Allows web pages to be resized to fit as much of the screen as possible.
- **Landscape view only:** Displays the browser in only the horizontal position.
- **Enable JavaScript:** Enables javascript for the current Web page. Without this feature, some pages may not display properly. Remove the checkmark to disable this function.
- **Enable plug-ins:** Allows the download of plug-ins such as Adobe Flash.
- **Open in background:** New pages are launched in a separate page and displayed behind the current one. Remove the checkmark to disable this function.
- **Set home page:** Sets the current home page for the Web browser.
- **Default storage:** Sets the default storage to Memory card.
- **Clear cache:** Deletes all currently cached data. Tap **OK** to complete the process.
- **Clear history:** Clears the browser navigation history. Tap **OK** to complete the process.
- **Accept cookies:** Allows sites to save and read cookies from your device.
- **Clear all cookie data:** Deletes all current browser cookie files.
- **Remember form data:** Allows the device to store data from any previously filled out forms. Remove the checkmark to disable this function.
- **Clear form data:** Deletes any stored data from previously filled out forms. Tap **OK** to complete the process.
- **Enable location:** Allows websites to request access to your location.
- **Clear location access:** Clears location access for all websites. Tap **OK** to complete the process.
- **Remember passwords:** Stores usernames and passwords for visited sites. Remove the checkmark to disable this function.
- **Clear passwords:** Deletes any previously stored usernames or passwords. Tap **OK** to complete the process.
- **Show security warnings:** Notifies you if there is a security issue with the current website. Remove the checkmark to disable this function.
- **Select search engine:** Allows you to choose a default search engine for your phone. Choose from: **Google**, **Yahoo!**, or **Bing**.
- **Website settings:** View advanced settings for individual websites.
- **Reset to default:** Clears all browser data and resets all settings to default.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. Press  →  and then tap  (Settings) → **Wireless and network** → **Bluetooth settings**.
2. Tap the **Bluetooth** field to activate the feature (checkmark indicates active). When active,  displays in the Status area.

To turn Bluetooth off:

1. Press  →  and then tap  (Settings) → **Wireless and network** → **Bluetooth settings**.
2. Tap the **Bluetooth** field to deactivate the feature.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:



Displays when Bluetooth is active.



Displays when Bluetooth is connected (paired) and communicating.

Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices
- Displaying your device's Bluetooth address

To access the Bluetooth Settings menu:

1. Press  →  and then tap  (Settings) → **Wireless and network** → **Bluetooth settings**.
2. Verify Bluetooth is active (indicated by a green check mark in the Bluetooth field).

3. Tap the **Device name**, **Visible**, and **Scan for devices** fields to set the options.

To change your Bluetooth name:

1. Verify Bluetooth is active.
2. From the Bluetooth settings page, tap **Device name**.
3. Enter a new name.
4. Tap **OK** to complete the rename process.

To set visibility:

1. Verify your Bluetooth is active.
2. To make your device visible tap **Visible** to place a checkmark in the selection box.
 - Making your device visible allows it to be detected by other devices for pairing and communication.
3. To set how long your device will remain visible, tap **Visible time-out** and tap a time (**2 Minutes**, **5 Minutes**, **1 Hour**, **Never**).

To search for Bluetooth devices:

1. Verify Bluetooth is active.
2. From the Bluetooth settings page, tap **Search for devices** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

Note: Pairing between two Bluetooth devices is a one-time process. Once pairing is established the devices continue to recognize their partnership and exchange information without entering a passcode.

To pair your device with another Bluetooth device:

1. Verify Bluetooth is active.
2. From the Bluetooth settings page, tap **Visible**.

Your device must be visible to successfully pair with an external device.
3. Tap **Search for devices**. Your device displays a list of discovered in-range Bluetooth devices.
4. Tap a device from the list to initiate pairing.
5. Enter the passkey or PIN code, if needed, and tap **OK**.

6. The external device must accept the connection and enter your device's PIN code.

Once successfully paired to an external device,  displays in the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth-compatible devices.

Disconnecting a Paired Bluetooth Device

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously paired device (from the bottom of the page).
3. Tap **OK** to confirm disconnection.
– or –

From the Bluetooth settings page, touch and hold the name of the previously paired device, and select **Disconnect**.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a Paired Bluetooth Device

Deleting a device from your list removes its “connection record” and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify Bluetooth is active.
2. From the Bluetooth settings page, touch and hold the name of the previously paired device (from the bottom of the page). This opens the connected device's menu options.
3. Tap **Unpair** to delete the paired device.

Sending Information via Bluetooth

Depending on your paired devices' settings and capabilities, you may be able to send pictures, Contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled on both your phone and the external device, and the recipient's device must be visible.

1. Verify your Bluetooth is active and your phone is visible.
2. From the Home screen, tap  (**Contacts**).

3. Touch and hold the entry from the list to display the on-screen context menu.
4. Tap **Send namecard via** → **Bluetooth** and select a paired external Bluetooth device.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

5. A Bluetooth share notification displays in your notifications list.

Enable Downloading for Web Applications

Important!: Before you can download a web application you must enable the **Unknown sources** feature (enables downloading).

1. Press  →  and then tap  (**Settings**) → **Applications**.
2. Tap the **Unknown sources** check box to add a check mark.
3. Tap **OK** to allow install of non-Market applications.

Warning!: Not all web applications are safe to download. In order to protect your phone and data, use Android Market to install web applications. For more information, refer to “*Downloading a New Application*” on page 133.

PC Connections

You can connect your device to a PC using an optional PC data cable using various USB connection modes. Mass storage is the default connection method.

Mass storage: allows you to use the onboard storage capacity of the phone and SD card to store and upload files. This option allows your computer to detect the phone as a removable storage drive.

Kies air: allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network.

Connecting as a Mass Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **USB utilities** → **Connect storage to PC**.

Note: To use any downloaded market application that requires a USB connection between your phone and your PC, you should first set the USB setting to **Mass storage**.

2. Connect the USB cable to the phone and then to the computer.
3. Tap **Connect USB storage**. Both the phone and computer display icons to show that the device is mounted. As soon as the connection is established a drive letter is assigned to the phone's storage device.
A pop-up window displays on the PC when connected.
4. Open the folder to view files.
5. Copy files between the PC and the memory card as required.
6. To exit, tap **Disconnect storage from PC**.

Kies Air

Kies Air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same network. You can view and share call logs, videos, photos, music, bookmarks, ringtones, and even send SMS messages from your PC.

Tip: Before beginning, it is recommended that you update the Java application installed on your PC to the latest version.

1. Sign onto the same network from your phone and from your PC.

Important!: Both your phone and your computer must be connected to the same network (phone connected via Wi-Fi, computer connected via Wi-Fi or Ethernet connection).

2. From the Home screen, tap  (Applications) →  (Kies air).
3. From the Kies air home screen, tap **Start**.
4. If prompted, select a network. Choose from either **Wi-Fi** or **Portable Wi-Fi hotspot**.
5. Open the web browser on your PC and enter the URL address displayed on the phone.

6. An Access Request prompt is displayed on your device. Tap the **Remember for today** checkbox if you will be using Kies air with the same PC later. Tap **Allow** to permit connection between the computer and device.
7. On your PC, you may be prompted to run a Java plugin for a TransferManagerApplet. Click **Run**.
8. From your PC, a security warning may be displayed asking if you want to run this application. Click **Run** to continue.
9. On your PC, the Kies air screen is displayed. On your phone, the  icon appears at the top of your screen.
10. Follow the on-screen instructions to view and share information between your phone and PC.
11. Click a link from the left navigation pane to access a device file category:
 - [Device Name] - provides an overview of all the main categories.
 - Photos/Videos/Music
 - Ringtones
 - Bookmarks
 - Messages/Call Log/Contacts
 - File Explorer

- Language settings

12. To exit the Kies air application, tap **Stop** on your device, then close the Web browser on your computer.

Wi-Fi

About Wi-Fi

Wi-Fi (short for "wireless fidelity") is a term used for certain types of Wireless Local Area Networks (WLAN). Wi-Fi communication requires access to a Wireless Access Point (WAP). The WAP can either be Open (unsecured), or Secured (requiring knowledge of the Router name and password).

Activating Wi-Fi

By default, your device's Wi-Fi feature is turned off (deactivated). Activating Wi-Fi allows your device to discover and connect to compatible in-range WAPs (Wireless Access Points).

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Wi-Fi settings**.
2. Tap **Wi-Fi** to activate the feature. A checkmark indicates that Wi-Fi is active. The device scans for available in-range wireless networks and displays them under Wi-Fi networks on the same screen.

Connecting to a Wi-Fi Network

1. Press  →  and then tap  (Settings) → **Wireless and network** → **Wi-Fi settings**.

The network names and security settings of detected Wi-Fi networks display in the Wi-Fi networks section.

2. Tap a network.

Note: When you select an open network you are automatically connected.

3. Enter a wireless password (if necessary).
4. Tap **Connect**.

Manually Add a New Network Connection

1. Press  →  and then tap  (Settings) → **Wireless and network** → **Wi-Fi settings**.
2. Tap **Add Wi-Fi network**.
3. Enter the Network SSID (the name of your Wireless Access Point).
4. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP.
5. Enter your WAP's password if the WAP is secure.

6. Tap **Save** to store the new information and connect to the target WAP.

Deactivating Wi-Fi

1. Press  →  and then tap  (Settings) → **Wireless and network** → **Wi-Fi settings**.
2. Tap the **Wi-Fi** field to deactivate the feature. The checkmark grays.

Note: You can also drag down the Notification Bar and tap Wi-Fi to turn it on or off.

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can reduce battery life.

Manually Scan for a Wi-Fi Network

1. Press  →  and then tap  (Settings) → **Wireless and networks** → **Wi-Fi settings**.
2. Press  and then tap **Scan**.

Wi-Fi Status Indicators

The following icons indicate the Wi-Fi connection status:



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



Displays when Wi-Fi is active and there is an available open wireless network.



Displays when Wi-Fi is configured for a direct connection to another compatible device in the same direct communication mode.

Wi-Fi Advanced Settings

The Wi-Fi settings - Advanced menu allows you to set up many of the device's Wi-Fi services, including:

- Setting the Wi-Fi sleep policy
- Viewing the device's MAC Address
- Configuring use of either a DHCP or Static IP

To access the Wi-Fi Advanced Settings menu:

1. Press  →  and then tap  (Settings) → Wireless and network → Wi-Fi settings.
2. Press  and then tap **Advanced**.

Tethering

This option allows you to share your phone's mobile data connection via a direct USB connection between your phone and computer.

Note: You can also create a wireless access point that can be used by multiple computers. For more information, refer to "Portable Wi-Fi Hotspot" on page 159.

Note: You can not mount your phone's microSD card to your computer while using the USB tethering feature. If additional software or USB drivers are required, navigate to <http://www.samsung.ca> and select Support → Downloads.

1. Press  →  and then tap  (Settings) → Wireless and network → Tethering and portable hotspot.
2. Connect the USB cable between your computer and your phone.
3. Tap **USB tethering** from the Tethering menu. This places a green check mark next to the entry and activates the feature. The Tethering active icon  appears in the Status bar.

To disconnect tethering:

1. Press  →  and then tap  (Settings) → **Wireless and network** → **Tethering and portable hotspot**.
2. Tap **USB tethering** from the Tethering menu to remove the check mark and deactivate the feature.
3. Remove the USB cable from the phone.

Portable Wi-Fi Hotspot

This feature allows you to turn your phone into a Wi-Fi hotspot. The feature works best when used in conjunction with HSPA+ (4G) data services (although 3G service can also be used).

Important!: The Mobile AP service can not be active at the same time as Wi-Fi. Please close your Wi-Fi connection prior to launching the Mobile AP service.

To activate the Portable Wi-Fi Hotspot service:

1. Press  →  and then tap  (Settings) → **Wireless and network** → **Tethering and portable hotspot**.
2. Tap **Portable Wi-Fi hotspot settings** → **OK**.
3. Tap **Portable Wi-Fi hotspot**. This places a checkmark in the adjacent field to activate the service.
4. Tap **Configure portable Wi-Fi hotspot**.

5. Note the Network SSID name or enter a new SSID.
6. By default, the connection is open and not secured. It is recommended that you secure your hotspot -- tap the **Security** field, select **WPA2 PSK**, enter a password and tap **Save**.

Important!: The more complex the password, the harder it will be for intruders to break your security. It is recommended that you not use names, birthdays, or other personal information.

7. Confirm the Mobile AP service icon  appears at the top of the screen.

Note: By default, the connection is open and not secured. It is recommended that you access the Portable Wi-Fi Hotspot settings and create a secure connection by using a password for communication.

Note: Using your 4G service and Portable Wi-Fi Hotspot drains your phone's battery at a much faster rate than when using any other feature combination. It is recommended that the phone be connected to the wall charger while using it as a hotspot.

To connect to the Hotspot:

1. Enable Wi-Fi (wireless) functionality on your target device (laptop, media device, etc.).

2. Scan for Wi-Fi networks from the device and select your phone hotspot from the network list.
 - The SSID name for your phone's hotspot is determined by the entry in the **Network SSID** field. You can change the name by tapping **Configure portable Wi-Fi hotspot** → **Network SSID** and changing the entry.
3. Select this Hotspot and follow the on-screen instructions to complete the connection.
4. Launch your Web browser to confirm you have an Internet connection.

Section 11: Time Management

This section describes how you can manage time using time-related applications such as the Calendar, Alarm Clock, Analog or Digital clock, and the World clock.

Calendar

With the Calendar feature, you can consult the calendar by day, week, or month; create events; and set alarms to act as reminders.

1. From the Home screen, tap  (Applications) →  (Calendar). The Calendar displays four tabs:
 - **Month**: displays the Month view.
 - **Week**: displays the Week view.
 - **Day**: displays the Day view.
 - **List**: displays events in List view.
2. Press  and select one of the following options:
 - **Create**: creates a new Event.
 - **Go to**: displays a specific date.
 - **Today**: moved to the current date in the calendar (highlighted by a Blue box).
 - **Search**: allows you to search within your current events.
 - **Delete**: allows you to delete All events, All events before today, or an individual event.

- **Settings**: displays a list of configurable settings (see below).

Creating a Calendar Event

1. From the Home screen, tap  (Applications) →  (Calendar).
2. From the Month tab, press  → **Create**.
3. Enter the required information and press **Save**.

Calendar Settings

Using the Calendar settings you can select the first day of the week (Sunday or Monday), the default calendar view (Month, Week, Day or List), and options for notifications, sounds and synchronization.

1. From the Home screen, tap  (Applications) → .
2. Press  → **Settings**.
3. Tap **Calendars** and select the calendars you want to display or tap **All calendar** (a check mark indicates selection). Press .
4. Tap **Default view** and select a view: **Month**, **Week**, **Day**, or **List**.

5. Tap **Day views** and select a type: **Time grid**, or **Event list**.
6. Tap **First day of week** and select either **Sunday** or **Monday**.
7. Tap **Hide declined events** to activate this option. A check mark indicates selection.
8. Tap **Hide contacts' anniversaries** to activate this option. A check mark indicates selection.
9. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from within the **Select time zone** field.
10. Tap **Set alerts & notifications** to adjust the event notification method. Choose from: **Alert**, **Status bar notification**, and **Off**.
11. Tap **Vibrate** to activate this notification option. Selections are: **Always**, **Only in Silent mode**, or **Never**.
12. Tap **Select ringtone** to assign a ringtone to a calendar event notification.
13. Tap **Calendar sync** to open the Accounts and sync screen. A check mark indicates selection.

Clock

This feature allows you to create alarms to ring at a specified time, track time in other parts of the world, use a stopwatch, set a timer, or activate a desk clock.

- From the Home screen, tap  (**Applications**) →  (**Clock**).

Setting an Alarm

1. From the Home screen, tap  (**Applications**) →  (**Clock**).
2. Tap  (**Create alarm**).
3. Tap the + or - symbols to change the hour and minute settings, or tap the setting and enter a new number. To toggle the AM/PM setting, tap **AM** or **PM**.
4. Tap the **Alarm repeat** field and touch the number of times you want this alarm to repeat. Selections are: **One-time event**, **Daily**, **Every weekday (Mon-Fri)**, or **Weekly**. If you selected **Weekly**, a button row displays the days of the week. Tap each day that you want this alarm to repeat, then tap **OK**.

5. Tap the **Alarm type** field and select: **Melody**, **Vibration**, **Vibration and melody**, or **Briefing**.
6. Slide the slider bar in the **Alarm volume** field left or right to decrease or increase the alarm volume. A sample of the volume level plays.
7. Tap the **Alarm tone** field and select either **Sounds** or **Go to My files**. Select a sound to use as an alarm ringtone then tap **OK** to activate the ringtone.
8. Tap **Snooze** to activate the snooze function. Tap the field to select the snooze time (3 min, 5 min, 10 min, 15 min, or 30 min) and snooze repeat (1 time, 2 times, 3 times, 5 times, and 10 times).
 - **Duration** indicates the length of time the alarm will remain silent between alarm notifications (snooze time).
 - **Snooze repeat** indicates the number of snooze will silence the alarm.
9. Tap **Smart alarm** to activate the smart alarm function (alarm slowly increases screen brightness and the volume of nature tones to simulate dawn breaking). Tap the field to assign a duration time (3 min, 5 min, 10 min, 15 min, or 30 min) and nature tone (Morning, Breeze, Mist, Forest, Light, or Rain).

- **Duration** selects the length of time the alarm plays the nature tone at slowly increasing volume.
- **Tone** selects the nature sound used as the alarm tone.

10. Tap the **Name** field and enter a name for this Alarm.

11. Tap **Save** to store the new alarm event.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and slide  to the right.

Setting the Snooze Function

- To activate the Snooze function after an alarm sounds, touch and slide  to the left. Snooze must first be set in the alarm settings.

World Clock

This feature allows you to view the time in other parts of the world.

1. From the Home screen, tap  (Applications) →  (Clock).
2. Tap the **World clock** tab.
3. Tap  (Add city) then scroll and select the desired city, or tap in the search field to locate a city.

To assign DST settings:

1. Locate a desired city from the World Clock list.
2. Touch and hold a city and select **DST settings**.
3. Select a DST setting (Automatic, Off, 1 hour or 2 hours).

Stopwatch

This feature allows you to use a stopwatch to time events.

1. From the Home screen, tap  (Applications) →  (Clock) → **Stopwatch** tab.
2. Tap **Start** to start the stopwatch counter.
3. Tap **Lap** to capture a lap time. You can save multiple lap times.
4. Tap **Stop** to stop the counter.

5. Tap **Restart** to restart the count.
6. Tap **Reset** to reset the counter.

Setting a Timer

1. From the Home screen, tap  (Applications) →  (Clock) → **Timer** tab.
2. Tap the **hr**, **min**, or **sec** field and use the on-screen keypad to enter the hour, minute, or seconds.
3. Tap **Start** to start the timer.
4. You can tap **Stop** to pause the countdown, **Restart** to resume the countdown.
5. When the time has elapsed, the timer plays an alarm. To stop the alarm when it sounds, touch and slide  to the right.

Configuring a Desk Clock

This feature lets you activate an on-screen clock that can be viewed when the device is docked.

- From the Home screen, tap  (Applications) →  (Clock) → **Desk clock** tab.

Section 12: Changing Your Settings

This section explains the various settings for your phone.

Wireless and Networks

Flight mode

Flight mode allows you to use phone features that do not require wireless communication when you are in an airplane or in any other area where calls and data transfer are prohibited.

Important!: When your phone is in Flight mode, it cannot send or receive calls or access online information or applications.

1. Press  →  and then tap  (**Settings**) → **Wireless and network**.
2. Tap **Flight mode**. A check mark displayed next to the feature indicates Flight mode is active.

Wi-Fi settings

Once set up for Wi-Fi connectivity, your phone automatically uses Wi-Fi, when available, for all your mobile data services.

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Wi-Fi settings**.
2. Configure the settings as desired.

Wi-Fi

To turn Wi-Fi on:

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Wi-Fi settings** → **Wi-Fi**. A check mark indicates that Wi-Fi is active.

Network Notification

By default, when Wi-Fi is on you receive notification in the Status bar any time your phone detects an available Wi-Fi network. You can deactivate this feature if you do not want to receive notification of available networks.

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Wi-Fi settings**.
2. Tap **Network notification** to enable or disable the function. A check mark displayed next to the feature indicates Network notification is active.

WPS Button Connection

WPS (Wi-Fi Protected Setup) is a standard for easy and secure wireless network set up and connection by pushing a button instead of entering a network name and wireless security PIN. To

use WPS, the connecting device must support WPS and be compatible with Wi-Fi Protected Access (WPA) security. WPS can automatically set up a random network name and WPA wireless security for wireless Wi-Fi phones, routers, access points, computers, adapters, and other electronic devices.

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Wi-Fi settings**.
2. Tap **WPS button connection**.
3. Press the WPS button on your Wi-Fi access point within 2 minutes.

Add a Wi-Fi Network

To manually add a Wi-Fi network to the networks list:

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Wi-Fi settings**.
2. Tap **Wi-Fi** to turn it on.
3. Tap **Add Wi-Fi network**.
4. Enter the SSID (Service Set Identifier) and Security settings then tap **Save**.

Note: An SSID is a unique key that identifies a wireless LAN. Its purpose is to stop other wireless equipment from accessing your LAN — whether accidentally or intentionally. To communicate, wireless devices must be configured with the same SSID.

Wi-Fi Direct Settings

Wi-Fi Direct allows Wi-Fi devices to talk to each other without the need for wireless access points (hot spots).

Note: Activating this feature will disconnect your current Wi-Fi network connection.

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Wi-Fi Direct settings**.
2. Tap **Wi-Fi Direct**. A check mark displays next to the feature indicating it is enabled. Your phone will search for other devices enabled with Wi-Fi direct connections.
3. Tap a device name to begin the connection process.

Note: The target device must also have Wi-Fi Direct service activated and running before it can be detected by your device.

4. Tap **Connect**. The direct connection is established.

5. When prompted to complete the connection, tap **OK**. The status field now reads “Connected” and the connected device is shown within the Wi-Fi Direct devices listing.

Kies via Wi-Fi

Select whether Kies connection is via Wi-Fi or Portable Wi-Fi hotspot. For more information, refer to “Kies Air” on page 155.

Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

Bluetooth

To activate Bluetooth:

- ▶ Press  →  and then tap  (**Settings**) → **Wireless and network** → **Bluetooth settings** and tap **Bluetooth** to turn it on.

Device Name

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Bluetooth settings** → **Device name**.
The assigned device name displays.

2. Press  to erase the current device name and enter a new name for this device using the keyboard.
3. Tap **OK** to confirm your setting.

Visible

- ▶ Press  →  and then tap  (**Settings**) → **Wireless and network** → **Bluetooth settings** → **Visible**.
The phone is now activated for discovery for a specific time period so you can pair with another device.

Visible time-out

- ▶ Press  →  and then tap  (**Settings**) → **Wireless and network** → **Bluetooth settings** → **Visible time-out**.
Select a time that the phone is visible to other devices (2 Minutes, 5 Minutes, 1 Hour, Never).

Search for devices

This option allows you to scan for active Bluetooth devices.

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Bluetooth settings** → **Scan for devices**. Your phone begins scanning and lists any discovered devices in the Bluetooth devices section.

2. Tap a device name to pair with the device.

Important! Some Bluetooth devices are secured and require a PIN number to confirm and pair with them.

3. Enter a PIN to pair with the device, if one is required, and tap **OK**.

USB Utilities

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **USB utilities** → **Connect storage to PC**.
2. If prompted to turn USB debugging mode off, tap **OK**.
3. Plug in a compatible USB cable to begin using the device for mass storage mode.

Tethering and portable hotspot

This option allows you to share your phone's mobile data connection via a direct USB connection between your phone and computer or a wireless connection to one or more computers.

Note: You can not mount your phone's microSD card to your computer while using the USB tethering feature. If additional software or USB drivers are required, navigate to: <http://www.samsung.com/us/support/downloads>.

- Press  →  and then tap  (**Settings**) → **Wireless and network** → **Tethering and portable hotspot**.

For more information, see see “*Tethering*” on page 158. and see “*Portable Wi-Fi Hotspot*” on page 159..

VPN settings

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Adding a VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **VPN settings**.
2. Tap **Add VPN**.

To establish a PPTP (Point-to-Point Tunneling Protocol):

1. Tap **Add PPTP VPN**.
2. Establish a VPN name (a name for this connection).
3. Set the VPN server.
4. Enable encryption (if desired).

5. Set the DNS search domains.

To establish a L2TP (Layer 2 Tunneling Protocol):

1. Tap **Add L2TP VPN**.
2. Establish a VPN name (a name for this connection).
3. Set the VPN server.
4. Enable L2TP secret.
5. Set L2TP secret.
6. Set the DNS search domains.

To establish a L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec):

1. Tap **L2TP/IPSec PSK VPN**.
2. Establish a VPN name (a name for this connection).
3. Set the VPN server.
4. Set IPSEc pre-shared key.
5. Enable L2TP secret.
6. Set L2TP secret.
7. Set the DNS search domains.

To establish a L2TP/IPSec CRT (Certificate based L2TP/IPSec):

1. Tap **L2TP/IPSec CRT VPN**.

2. Establish a VPN name (a name for this connection).
3. Set the VPN server.
4. Enable L2TP secret.
5. Set L2TP secret.
6. Set user certificate.

Note: A user certificate must be installed to use this setting.

7. Set CA certificate.

Note: A CA certificate must be installed to use this setting.

8. Set the DNS search domains.

Near Field Communication

This feature is used to read and exchange tags. For more information, refer to “Tags” on page 142.

- Press  →  and then tap  (**Settings**) → **Wireless and network**.

9. Tap the **NFC** field. A check mark displayed next to the feature indicating it is enabled.

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

- ▶ Press  →  and then tap  (Settings) → Wireless and network → Mobile networks.

The following options display:

Use packet data

Allows you to activate or deactivate data usage on your phone.

- ▶ Press  →  and then tap  (Settings) → Wireless and network → Mobile networks → Use packet data.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. Press  →  and then tap  (Settings) → Wireless and network → Mobile networks.

2. Tap **Data roaming** to allow/not allow connection to data services while roaming outside your network. A green checkmark indicates the feature is enabled.

Access Point Names

- ▶ Press  →  and then tap  (Settings) → Wireless and network → Mobile networks → Access Point Names. A list of the available wireless access points displays. The active access point is indicated by a green button to the right of the name.

Network mode

To configure your phone to automatically detect and use the fastest possible data network connection:

1. Press  →  and then tap  (Settings) → Wireless and network → Mobile networks → Network Mode.
2. Tap GSM/WCDMA (Auto mode) to place a green button to the right of the selection.

To limit the phone's connection to (GSM) 2G, which slows data transfer speed but extends battery life:

1. Press  →  and then tap  (Settings) → Wireless and network → Mobile networks → Network Mode.

2. Tap **GSM only**. A check mark displays next to this option to indicate that it is active.

To restrict your connection to 3G network speed only

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Mobile networks** → **Network Mode**.
2. Tap **WCDMA only**. A check mark displays next to this option to indicate that it is active.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. Press  →  and then tap  (**Settings**) → **Wireless and network** → **Mobile networks**.
2. Tap **Network operators**. The current network connection displays at the bottom of the list.

Important!: You must deactivate data service prior to searching for an available network.

3. Tap **Search now** to manually search for a network.

4. Tap **Select automatically** to automatically select a network connection.
5. Tap **Default setup** and tap **Manual** to locate and connect to a network manually or **Automatic** to allow the device to automatically select a network.

Note: Connecting to 2G networks slows the data transfer speed and time.

Call Settings

To access the Call settings menu:

1. Press  →  and then tap  (**Settings**) → **Call**.
– or –

From the Home screen, tap  → **Settings** → **Call**.

2. Tap one of the following options:
 - **Call rejection:** allows you to manage your rejection mode and rejection list.
 - **Auto reject mode:** sets the phone to automatically reject all numbers or Auto reject numbers.
 - **Auto reject list:** provides access to current rejection entries and numbers.
 - **Set reject messages:** allows you to create or edit rejection messages.

- **Call alert:** allows you to assign call alert tones and activate call alerts and vibration.
 - **Answer vibration:** vibrates the phone when the called party answers.
 - **Call status tones:** assigns sounds settings during the call. Choose from: Call connect tone, Minute minder, and Call end tone.
 - **Alerts on call:** selects whether alarm and message notification is turned off during a call.
- **Call answering/ending:** allows you to manage the settings for answering and ending calls.
 - **Answering key** allows you to press the Home key to answer the phone.
 - **Automatic answering,** when a headset is connected, it automatically answers a call after a period of time. Selections are: Off, after 1 second, after 2 seconds, after 3 seconds, after 4 seconds, or after 5 seconds.
 - **The power key ends calls** allows you to press the power key to end the current call.
- **Turn on proximity sensor:** when enabled, the proximity sensor turns off the LCD when the phone is near your face so you do not accidentally tap a key.
- **Call forwarding:** configures call forwarding options. For more information, refer to “*Configuring Call Forwarding*” on page 172.
- **TTY mode:** allows you to configure the TTY settings. For more information, refer to “*TTY Mode*” on page 173.

- **Hearing aids:** allows you to enable/disable hearing aid compatibility. For more information, refer to “*Hearing aids*” on page 173.
- **Additional settings:** allows you to additional call settings. For more information, refer to “*Additional Settings*” on page 173.
- **Voicemail service:** identifies your voicemail provider.
- **Voicemail:** lets you enter, view, or modify your voicemail number.

Configuring Call Forwarding

Call forwarding forwards incoming calls to voicemail or a different number (a colleague for example) when you are not available.

1. Press  →  and then tap  (**Settings**) → **Call** → **Call Forwarding**.
2. Tap an available option:
 - **Always forward:** all incoming calls are re-routed to a secondary number that you specify.
 - **Forward when busy:** forwards all incoming calls when your phone is busy.
 - **Forward when unanswered:** automatically forwards incoming calls when the phone is not answered.
 - **Forward when unreachable:** automatically forwards incoming calls when the phone is not in service, or is turned off.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the correct cable.

1. Press  →  and then tap  (**Settings**) → **Call** → **TTY mode**.
2. Tap **Full TTY** to activate the feature, or **TTY mode off** to deactivate the feature. Off is the default setting.

Hearing aids

This menu is used to activate or deactivate hearing aid compatibility for this device.

1. Press  →  and then tap  (**Settings**) → **Call**.

2. Tap the **Hearing aids** field to activate the feature (green check mark), or deactivate the feature. Off is the default setting.

Additional Settings

1. Press  →  and then tap  (**Settings**) → **Call** → **Additional settings**.
2. Tap one of the following options:
 - **Caller ID**: chooses whether your number is displayed when someone answers your outgoing call. Choose from: Network default, Hide number, or Show number.
 - **Call barring**: allows the restriction of specific types of calls from this phone (All outgoing calls, Intel calls, Int'l calls except home, All incoming calls, Incoming when roaming).
 - **Call waiting**: notifies you of an incoming call while you are on another call. When deactivated, all incoming calls are directed to your voicemail if you are already on an active call.
 - **Auto redial**: automatically redial the dialed number if it is unable to connect or the call is cut off.
 - **Fixed Dialing Numbers**: Fixed Dialing Numbers (FDN) allows you to restrict outgoing calls to a limited set of phone numbers. Tap Enable FDN, enter your PIN2 code and tap **OK**.

Note: Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.

The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code multiple times can cause the phone to lock. Contact customer service for assistance.

Vicemail Service

- ▶ Press  →  and then tap  (**Settings**) → **Call** → **Vicemail** → **Vicemail service**.

Vicemail service provided by your carrier is the default.

Vicemail

You can view and modify your voicemail number from this menu.

1. Press  →  and then tap  (**Settings**) → **Call** → **Vicemail**.
2. Tap the **Vicemail number** field, backspace to erase the digits, enter a new voicemail number using the keypad, then tap **OK** → **OK**.

Sound Settings

From this menu you can control the sounds on the phone.

- ▶ Press  →  and then tap  (**Settings**) → **Sound**.

The following options display:

Silent mode

Silent mode is convenient when you wish to stop the phone from making noise, in a theater for example. In Silent Mode sounds are muted except for media and user-set alarms.

1. Press  →  and then tap  (**Settings**) → **Sound**.
2. Tap **Silent mode** to activate or deactivate this mode (check mark indicates that it is on).
– or –
 - ▶ Touch and drag down the Notification bar and tap **Silent mode** to activate or deactivate this mode (green colour indicates that it is on).

Vibration

1. Press  →  and then tap  (**Settings**) → **Sound**.
2. Tap **Vibration** and select a vibration mode. Choose from: **Always**, **Never**, **Only in silent mode**, or **Only when not in silent mode**.

Note: The Phone vibrate setting is independent of other call sounds settings. For example, if you have Silent mode enabled along with vibrate, your phone won't play a ringtone, but will vibrate for an incoming call.

Volume

The Volume menu provides access to various volume settings within one on-screen popup menu.

1. Press  →  and then tap  (**Settings**) → **Sound** → **Volume**.
2. Touch and drag the on-screen slider to assign the volume settings for any of the following volume levels.
 - **Incoming call, Media, System, or Notification.**
3. Tap **OK** to assign the volume levels.

Vibration Intensity

1. Press  →  and then tap  (**Settings**) → **Sound**.
2. Tap **Vibration intensity**.
3. Tap and drag the sliders for **Incoming call**, **Notification** and **Haptic feedback** to change the vibration intensity for each type of alert.
4. Tap **OK**.

Phone Ringtone

To select a voice call ringtone:

1. Press  →  and then tap  (**Settings**) → **Sound**.
2. Tap **Phone ringtone**.
3. Tap a ringtone from the available list. The ringtone briefly plays when selected.
4. Tap **OK** to assign a ringer.

Notification Ringtone

1. Press  →  and then tap  (**Settings**) → **Sound** → **Notification ringtone**.
2. Tap one of the ringtones and tap **OK**.

Audible Tone Settings

The Audible touch tones and Audible selection options are used to select the sounds made when you use the dialing pad or make a screen selection. Each time you press a key or make a selection the selected tone sounds.

1. Press  →  and then tap  (**Settings**) → **Sound**.

2. Tap **Audible touch tones** or **Audible selection**. A check mark displayed next to these features indicates active status.

Screen Lock Sounds

The screen lock sounds option is used to activate/deactivate sounds when locking and unlocking the screen.

1. Press  →  and then tap  (**Settings**) → **Sound**.
2. Tap **Screen lock sounds**. A check mark displayed next to these features indicates active status.

Haptic Feedback

Haptic feedback provides vibration when you press soft keys on certain screens.

1. Press  →  and then tap  (**Settings**) → **Sound**.
2. Tap **Haptic feedback**. A check mark displayed next to the feature indicates Haptic feedback is active.

Display Settings

In this menu, you can change various settings for the display, such as the font, orientation, pop-up notifications, puzzle lock, animation, brightness, screen timeout, and power saving mode.

Adjusting the Screen Display

1. Press  →  and then tap  (**Settings**) → **Display** → **Screen display**.
2. Configure the following screen display settings:
 - **Screen display:**
 - **Font style:** sets the fonts used on the LCD display. Default font is the only font supplied with the phone. Tap **Get fonts online** to download additional fonts (you must be signed in to a Google account).
 - **Home screen Wallpaper:** assigns an image from either the Gallery, Live wallpapers, or Wallpaper gallery to the Home screen.
 - **Lock screen Wallpaper:** assigns an image from either the Wallpaper gallery or Gallery to the Lock screen.
 - **Clock position:** assigns the on-screen clock position to the top, Middle or Bottom of the screen.
 - **Event notifications:** assigns what type of on-screen notification you are prompted with. Choose from either: New messages or New emails.
 - **Brightness:** adjusts the on-screen brightness level. For more information, see *Adjusting Screen Brightness* on page 177.

- **Auto-rotate screen:** when enabled, the phone automatically switches between portrait and landscape orientation when the phone is turned. When this setting is disabled, the phone displays in portrait mode only.
- **Animation:** determines whether any window elements animate. Selections are: No animations, Some animations, or All animations.
- **Screen timeout:** adjusts the delay time before the screen automatically turns off when inactive. Selections are: 15 seconds, 30 seconds, 1 minute, 2 minutes and 10 minutes.
- **Touch key light duration:** to adjust the light duration of the touch keys.
- **Auto adjust screen power:** automatically adjusts the phone's LCD brightness level to conserve battery power.
- **Horizontal calibration:** uses the accelerometer to calibrate the phone when held in a horizontal position (see "*Horizontal Calibration*" on page 177.).
- **Gyroscope calibration:** uses the built-in gyroscope to calibrate motion when the phone is in motion (see "*Gyro Sensor Calibration*" on page 177.).

Adjusting Screen Brightness

This feature configures the LCD Brightness levels.

1. Press  →  and then tap  (Settings) → Display → Brightness.

2. Tap **Automatic brightness** to allow the phone to self-adjust and tap **OK**.
– or –
Touch and slide the on-screen slider to adjust the level and tap **OK**.

Horizontal Calibration

Calibrate your phone using the built-in accelerometer.

1. Press  →  and then tap  (Settings) → Display → Horizontal calibration.
2. Place the phone on a level surface and tap **Calibrate**. The phone adjusts the level of the accelerometer. During the calibration process a green circle appears on-screen and the center circle adjusts to the center position.

Gyro Sensor Calibration

Calibrate your phone by using the built-in gyroscope.

1. Press  →  and then tap  (Settings) → Display → Gyroscope calibration.

2. Place the phone on a level surface and tap **Calibrate**. The phone adjusts the level of the accelerometer. During the calibration process a green circle appears on-screen and the center circle adjusts to the center position.

Power Saving Mode

This feature allows you set the phone to automatically switch to power saving mode when the battery is low and configure additional power saving options.

1. Press  →  and then tap  (**Settings**) → **Power saving mode**. Tap **Use Power saving mode**. A check mark displayed at the right side and  in the status bar indicate active status.

To adjust power saving options:

1. Activate power saving mode (see above).
2. Tap **Power saving on at** to assign the “battery low” level at which the power saving mode is activated (10% battery power, 30%, 50% or 70%).

To activate additional power saving features:

1. Activate power saving mode (see above).

2. Tap any of the available fields to adjust additional power saving parameters.
 - **Turn Off Wi-Fi** to disable Wi-Fi when it is not connected to a router.
 - **Turn Off Bluetooth** to disable Bluetooth when not in use or actively transmitting data.
 - **Turn Off GPS** to disable the GPS location system when not in use.
 - **Turn off Sync** to disable the feature when the phone is not synchronizing with the server.
 - **Brightness** to enable screen brightness adjustment.
 - **Brightness** to adjust the brightness of the screen. For more information, refer to “*Adjusting Screen Brightness*” on page 177.
 - **Screen timeout** to adjust the time delay before the screen turns off when inactive.
 - **Power saving tips** display additional information on the power saving features.

Location and Security

The Location and Security settings allow you to configure phone location and security settings.

Use Wireless Networks

Before you use applications such as Google Maps to find directions or search for places of interest, you must enable the use of wireless networks and/or GPS satellites to determine your position.

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Use wireless networks** to enable location information using the wireless network.

Use GPS Satellites

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Use GPS satellites** to enable the use of GPS satellites.

Use Sensor Aiding

Sensor aiding enhances positioning and saves power.

1. Press  →  and then tap  (**Settings**) → **Location and security**.

2. Tap **Use sensor aiding**. For more information, refer to “Enabling a Location source” on page 131.

Set up Screen Lock

To secure data and limit phone access, you can set the phone to require a screen unlock pattern, PIN number, or password each time you turn on the device, or every time the phone wakes up from sleep mode (when the screen automatically turns off).

Set an Unlock Pattern

Creating a screen unlock pattern increases security on the phone. When you enable the User visible pattern field, you will draw an unlock pattern on the screen whenever you want to unlock the phone's buttons or touch screen. When you activate the User tactile feedback field, you feel vibration as feedback while drawing the pattern.

Note: Make sure the Require Pattern field is activated.

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Set up screen lock** → **Pattern**.
3. Read the instructions then tap **Next**.

4. Begin drawing a pattern by touching your first on-screen point. Then, **without removing your finger from the screen, drag your finger over adjacent points until the gray trace line joins each point** and they are highlighted with a green circle. When you have connected at least four dots in a vertical, horizontal or diagonal direction, lift your finger from the screen and tap **Continue**.
5. Confirm the new pattern by redrawing it and then tapping **Confirm**. The Unlock pattern is set.

To change the previously stored unlock pattern when necessary (as you change your password from time to time):

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Change screen lock**.
3. Retrace your current pattern on the screen.
4. Tap **Pattern** and repeat steps 3 - 7 from the previous section.

Set a PIN Lock

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Set up screen lock**.

3. Tap **PIN**.
4. Enter a PIN number using the numeric keypad and touch **Continue** to confirm the password.
5. Confirm the PIN by re-entering it and tap **OK** to confirm.
Your phone now requires you to enter this PIN number in order to unlock the phone.

Set a Password Lock

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Set up screen lock**.
3. Tap **Password**.
4. Enter a password using the keypad and tap **Continue** to confirm the password.
5. Confirm the password by re-entering it and tap **OK** to confirm.

Use Visible Pattern

When enabled, this feature displays the unlock pattern as you draw it with your finger.

Timeout

Sets the time delay before the screen is locked when turned off.

Use Tactile Feedback

When enabled, the phone vibrates as feedback while drawing the unlock pattern, entering PIN numbers, or entering the password.

Disable USB debugging mode

Disable USB debugging mode while the screen is locked. This is necessary when device encryption is enabled.

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap the **Disable USB debugging mode** checkbox to create a checkmark.

Set up SIM Card Lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate SIM card lock in order to change your SIM PIN code.

To change an existing SIM Card PIN:

1. Tap **Change SIM PIN**.
2. Enter the old SIM PIN code and tap **OK**.
3. Enter the new SIM PIN code and tap **OK**.
4. Re-type the new SIM PIN code and tap **OK**.

Visible Passwords

Displays the phone password as you type it instead of displaying an asterisk (*) in place of each character.

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Visible passwords** to activate this feature.

Device Administration

Activating this feature allows Google to administrate your phone in a way similar to IT security settings on a corporate PC. This can be beneficial if your phone is lost or stolen. The phone can be “deactivated” or “restricted” from a remote location.

1. Press  →  and then tap  (**Settings**) → **Location and security**.

2. Tap **Select device administrators** to begin configuring this setting.
3. Select an administrator device and follow the prompts.

Credential Storage

This option allows certain applications to access secure certificates and other credentials. Certificates and credentials can be installed to the SD card and password protected.

1. Press  →  and then tap  (**Settings**) → **Location and security**.
2. Tap **Use secure credentials** to activate this feature. A check mark displayed next to the feature indicates secure credentials is active. This option is only active when credentials have been installed.
3. Tap **Install from USB storage** to install encrypted certificates from the USB Storage location.
4. Tap **Set password** to set or change the credential storage password.
5. Tap **Clear storage** to clear all certificates and credentials from the SD card or phone memory and reset the credentials password.

Applications

This phone can be used for Android development. You can write applications in the SDK and install them on this device, then run the applications using the hardware, system, and network.

The settings in this section allow you to configure the device for development.

Unknown Sources

This feature must be enabled in order to download applications from locations other than the Android Market.

1. Press  →  and then tap  (**Settings**) → **Applications**.
2. Tap **Unknown sources** to active this feature.

Note: If you are notified that you can not download a Market application because it comes from an "Unknown source", enabling this option corrects this issue.

Manage Applications

This feature allows you to manage your phone's applications.

You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your phone, and clear the data, cache, or defaults.

- Press  →  and then tap  (Settings) → Applications → Manage applications.

Clearing Application Cache and Data

Important!: You must have downloaded applications installed to use this feature.

1. Press  →  and then tap  (Settings) → Applications → Manage applications.
2. Tap the **Downloaded** tab and select the desired application.
3. Tap **Force stop**, **Clear data**, or **Clear cache**.

Uninstalling Third-party Applications

Important!: You must have downloaded applications installed to use this feature.

1. Press  →  and then tap  (Settings) → Applications → Manage applications.
2. Tap the **Downloaded** tab and select the desired application.
3. Tap **Uninstall** → OK.
4. At the prompt, tap **OK** to uninstall the application.

Moving Third-party Applications to your SD Card

Your phone's built in memory can be augmented by using a microSD card to store additional data. It is possible to move some applications to the internal microSD card. Freeing up memory space on the phone can help avoid sluggish performance when the phone has to work hard to manage memory resources.

Important!: Only certain downloaded applications are capable of being moved from phone to card.

1. Press  →  and then tap  (Settings) → Applications → Manage applications.
2. Tap the **Downloaded** tab and select your desired application.
3. Tap **Move to SD card**.

Once the application has been moved to the microSD card, the Move button now reads "Move to phone".

Running Services

The Running services option allows you to view and control all currently running services.

1. Press  →  and then tap  (Settings) → Applications → Running services.

The screen displays all the processes that are running.

2. Tap a process to open the Stop service? screen, where you can tap **Stop** to force the process to stop running.

When you stop the process the service or application will no longer run until you start the process or application again.

Important!: Stopping a process may cause the application to fail.

Memory Usage

This option allows you to view a list of the memory usage for currently active applications.

1. Press  →  and then tap  (**Settings**) → **Applications** → **Memory usage**. The All tab is opened and displays a list of the current applications.
2. Press  and then tap **Sort by name/Sort by size** to toggle the way the list is sorted between alphabetical and memory usage.

Battery Use

This option provides a graphical display of the battery power used by various system components.

- Press  →  and then tap  (**Settings**) → **Applications** → **Battery use**.

Tap an entry to view more detailed information.

Development

This feature allows you to configure the device for Android application development. You can write applications using the Android SDK (Software Development Kit) and install and test them on this device.

- Press  →  and then tap  (**Settings**) → **Applications** → **Development**.

Important!: These features are used for development purposes only.

USB Debugging

This feature is used for development purposes only. It turns on Debug mode when USB is connected.

Allow Mock Locations

This feature is used for development purposes only. It allows the entry of "mock" GPS coordinates in order to test GPS applications.

Samsung Apps

Select how you are notified of new applications in Samsung Apps:
Off (no notification), Wi-Fi only, or Packet data.

Accounts and Synchronization

Your phone provides the ability to synchronize data from a variety of different sources or sites, including Google, a corporate Microsoft Exchange Email Server, and other social sites such as Facebook, Twitter, and MySpace. Corporate and Google accounts provide the ability to synchronize Calendar events and Contacts.

To enable the auto-sync feature:

1. Press  →  and then tap  (**Settings**) → **Accounts and sync**.
2. Tap **Background data**. A green checkmark indicates the feature is enabled. This lets applications sync, send, and receive data at any time
3. Tap **Auto-sync**. A green checkmark indicates the feature is enabled. This feature enables the synchronization of data between your phone and external sites or servers.
 - The three main components are Contacts Email, and Calendar Events. Before these can be synchronized, they must be added to the managed accounts list.

Synchronizing a Google Account

By default, there are no accounts managed by the device. They must be manually added.

To manage an existing Google account:

1. Press  →  and then tap  (**Settings**) → **Accounts and sync**.
2. Tap **Add account** → **Google**.
3. Tap **Next** → **Sign in**.

Note: If you do not already have a Google account, tap **Create** and follow the on-screen prompts to create your new account.

4. Tap the **Username** and **Password** fields and enter your information.
5. Tap **Sign in**. Your phone then communicates with the Google servers to confirm your information. Your existing account then appears within the **Manage accounts** area of the screen.
 - Any changes or updates to your account are then automatically updated to your device.

To configure the Google management settings:

1. Press  →  and then tap  (**Settings**) → **Accounts and sync**.
2. Tap  within the Google account field to reveal the account's synchronization settings screen.
3. Tap the parameters you wish to synchronize (**Sync Contacts**, **Sync Gmail**, or **Sync Calendar**). A green checkmark indicates the feature is enabled.
4. Press  to return to the previous screen.

For more information, refer to “Synchronizing Contacts” on page 83.

Synchronizing Your Corporate Account

By default, there are no Corporate Calendar events managed by the device. These must be manually added.

Note: Once a corporate email account is created, it is automatically added as a managed account.

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. From the Home screen, tap  (**Applications**) → **Settings** → **Accounts and sync**.

– or –

Press  →  and then tap  (**Settings**) → **Accounts and sync**.

2. Locate the email account containing the events you wish to synchronize.
3. Tap  within the adjacent account field to reveal the account's synchronization settings screen.
4. Toggle the check mark adjacent to either the **Sync Contacts** or **Sync Calendar** fields to manually sync the account.

Motion Settings

This feature allows you to assign specific functions to certain phone actions that are detected by both the accelerometer and gyroscope.

To activate motion:

- Press  →  and then tap  (**Settings**) → **Motion** → **Motion activation**. A green checkmark indicates the feature is enabled.

Note: If Motion activation is not enabled, all motion services are greyed-out and disabled.

Activate and configure any of the following motion features.

- **Turn over to mute:** mute incoming calls and playing sounds by turning the phone over.
- **Tilt to zoom:** tilt the phone to reduce or enlarge the screen while in the Gallery or Browser. Adjust the sensitivity slider and tap **OK**.
- **Pan to move icon:** allows you to move icons one at a time, to another page in the Home or Applications pages. Adjust the sensitivity slider and tap **OK**.
- **Double tap to speak** allows you to activate voice commands within Voice talk.
- **Tutorials** provide on-screen visual explanations of the above features.

Privacy Settings

Set data backup and restore configurations, or reset the phone to erase all personal data.

- ▶ Press  →  and then tap  (**Settings**) → **Privacy**.

Backup and Restore

The phone can be configured to back up your current settings, application data and settings.

1. Press  → , then tap  (**Settings**) → **Privacy**.
2. Tap **Back up my data** to create a backup of your current phone settings and applications.

3. Tap **Automatic restore** to assist in the re-installation of a previously installed application (including preferences and data).

Factory Data Reset

From this menu you can reset your phone and sound settings to the factory default settings.

Important! Before performing a factory reset, it is recommended that you back up all personal data to a microSD card and remove the card from the phone. To export your contact list, see "Copying Contact Information to the microSD Card" on page 83. To copy photos and videos, see "Files" on page 117.

1. Press  →  and then tap  (**Settings**) → **Privacy**. (You will see a disclaimer.)
2. Tap **Factory data reset** → **Reset phone**.
3. If necessary, enter your password and touch **Erase everything**.

The phone resets to the factory default settings automatically and when finished displays the Home screen.

Note: Select **Format USB storage** to also erase all data on the USB storage.

Storage

From this menu you can view the phone's available memory space and the total and available space on an inserted memory card, and mount or unmount the SD card.

For more information about mounting or unmounting the SD card, see “SD card Overview” on page 43.

To view the details of the external SD card:

- ▶ Press  →  and then tap  (Settings) → **Storage**. Total space and Available space are displayed under the SD card heading.

Language & Keyboard Settings

This setting allows you to configure the language in which to display the menus. You can also set on-screen keyboard options.

- ▶ Press  →  and then tap  (Settings) → **Language and keyboard**.

Language Settings

To set the language that the menus and keyboard display on the phone:

1. Press  →  and then tap  (Settings) → **Language and keyboard** → **Select language**.
2. Select a language from the list.

Select Input Method

There are two input methods available: Samsung keypad and Swype.

1. Press  →  and then tap  (Settings) → **Language and keyboard** → **Select input method**.
2. Select an input method.

Swype Settings

For more information, refer to “SWYPE Settings” on page 63.

1. Press  →  and then tap  (Settings) → **Language and keyboard** → **Swype**.
2. Tap any of the following Swype preferences to activate the setting:
 - **Language**: allows you to select the current text input language. Default language is US English.
 - **Audio feedback**: turns on and off sounds generated by the Swype application.
 - **Vibrate on keypress**: activates a vibration sensation as you enter text using the keypad.
 - **Show tips**: turns on an on-screen flashing indicator that provides helpful user information.

Swype Advanced settings

Advanced settings provide access to Swype operation parameters.

- **Word suggestion:** uses a built-in word database to predict words while entering text in Swype.
- **Auto-spacing:** automatically inserts a space between words. When you finish a word, lift your finger or stylus and start the next word.
- **Auto-capitalization:** automatically capitalizes the first letter of a sentence.
- **Show complete trace:** determines whether or not to display the complete Swype trace path on-screen.
- **Speed vs. accuracy:** sets how quickly Swype responds to on-screen input. Move the slider between Fast Response (speed) or Error Tolerant (accuracy) and tap **OK**.
- **Personal Dictionary:** lets you add and remove words in your personal dictionary.
- **Reset Swype's Dictionary:** Deletes all words you have added to Swype's dictionary.

Swype Help settings

Help settings provide access to Swype help operation parameters.

- **Swype help:** displays the on-screen Swype User Manual.
- **Tutorial:** provides an on-screen tutorial that shows you how to input text faster in Swype input mode.

About

Provides information about the current Swype application version.

Samsung Keypad Settings

1. Press  →  and then tap  (**Settings**) → **Language and keyboard** → **Samsung keypad**.
2. Tap **Portrait Keypad types** and select a text input method:
 - Qwerty Keypad
 - 3x4 Keypad
3. Tap **Input languages** and select a language.
4. Tap **XT9** to use XT9 Predictive text method. For more information, refer to “Text Input Methods” on page 62. To configure XT9 advanced settings, see below.
5. Tap the **Keypad sweeping** field if you want to be able to sweep the keypad to change between ABC and ?123 mode. For more information, refer to “Text Input Methods” on page 62.
6. Tap the **Character preview** field to automatically preview new characters prior to entry.
7. Tap the **Auto-capitalization** field to automatically capitalize the first letter of a sentence.

8. Tap **Voice input** to activate the Voice input feature. This is an experimental feature that uses Google's networked speech recognition application.
9. Tap **Auto-full stop** to automatically insert a full stop by tapping the space bar twice.
10. Tap 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. Tap the **XT9** field to select XT9 (predictive text) mode, then tap **XT9 advanced settings**.
2. Tap the **Word completion** field to enable word completion. Your phone predicts how to complete the word typed.
3. Tap the **Word completion point** field then touch the **2 letters**, **3 letters**, **4 letters**, or **5 letters** radio button to choose the point where Word completion begins.
4. Tap the **Spell correction** field to enable correction of typographical errors by selecting from a list of possible words.
5. Tap the **Next word prediction** field to enable word prediction.
6. Tap the **Auto-append** field to automatically add predictions.
7. Tap the **Auto-substitution** field to automatically replace misspelled words as you are typing.
8. Tap the **Regional correction** field to automatically correct mistyped words according to normal spelling for your region.
9. Tap the **Recapture** field 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, tap the **XT9 my words** field, then press  and then tap **Add**. Enter the new word in the **Register to XT9 my words** field, then tap **Done**.
11. Tap **XT9 auto-substitution** to view the word list used for auto-substitution (for example youve becomes you've). To add a substitution to the list, press , tap **Add**, enter the Shortcut word and Substitution word, and tap **Done**.

Voice Input and Output Settings

Configuring Voice Recognition

This feature allows the phone to correctly recognize verbal input.

1. Press  →  and then tap  (**Settings**) → **Voice input and output**.
2. Tap **Voice Recognition** and tap to select a recognition engine (**Samsung powered by Vlingo** or **Google**).
3. Tap **Voice recognition settings** and configure the available options to select an input language, block offensive words, etc. (options depend on the chosen recognition engine).

Configuring Text-to-speech

This feature allows the phone to provide a verbal readout of on-screen text such as messages and incoming caller information using a text-to-speech (TTS) synthesis engine.

1. Press  →  and then tap  (**Settings**) → **Voice input and output** → **Text-to-speech settings**.
2. Configure the available options to alter the settings associated with this feature:
 - **Listen to an example:** plays a short example of what the text-to-speech feature sounds like on your device when activated.

- **Driving mode:** incoming calls and new notifications are automatically read out loud.
- **Driving mode settings:** selects those applications that will use TTS while driving mode is activated. Choose from: Incoming call, Message, New emails, New voicemail, Alarm, Schedule, or Unlock screen.
- **Always use my settings:** accepts an override of application settings with personal configurations for this text-to-speech settings screen. If enabled, your device defaults to using the text-to-speech feature.
- **Default engine:** sets the speech synthesis engine that will be used for the spoken text. Choices include: **Samsung TTS** and **Pico TTS**.
- **Install voice data:** allows the installation of necessary data required for voice synthesis.
- **Speech rate:** adjusts the rate at which on-screen text is spoken by the device. Choose from: **Very slow**, **Slow**, **Normal**, **Fast**, and **Very fast**.
- **Language:** assigns the language used for verbal readout. The available selection depends on the chosen synthesis engine.
- **Samsung TTS:** configures the Samsung TTS setting for voice effects and displays a list of installed languages.
- **Pico TTS:** displays the pico TTS installed languages.

Accessibility

Lets you enable and disable downloaded accessibility applications that aid in navigating your Android device, such as TalkBack (uses synthesized speech to describe the results of actions), KickBack (provides haptic feedback for actions), and SoundBack (plays sounds for various actions). Also lets you enable use of the power key to end calls.

Enabling Accessibility Applications

1. Press  →  and then tap  (**Settings**) → **Accessibility**.
2. Tap **Accessibility** to enable the use of accessibility applications (indicated by a green check mark).
3. Tap each accessibility service that you want to use. Activation is indicated by a green check mark.

Note: The Talkback application is provided with the phone. Other accessibility applications can be downloaded from Android Market.

Power Key

To allow the use of the power key to end calls:

1. Press  →  and then tap  (**Settings**) → **Accessibility**.

2. Tap **The power key ends calls** to activate this feature (indicated by a green check mark).

Dock Settings

This menu allows you to assign external speakers when the device is docked.

1. Press  →  and then tap  (**Settings**) → **Dock settings**.
2. Tap **Audio output mode**. This enables the phone to output audio when docked to a compatible device.

Date and Time

This menu allows you to change the time and date displayed.

1. Press  →  and then tap  (**Settings**) → **Date and time**.
2. Tap **Automatic** to allow automatic setting of the date and time (indicated by green check mark) or disable automatic setting.

If automatic date and time setting has been deactivated, manually adjust the settings as required:

3. Tap **Set date** and use the plus and minus icons to set the **Month**, **Day**, and **Year** then touch **Set**.

4. Tap **Select time zone**, then touch a time zone.
5. Tap **Set time** and use the plus and minus icons to set **Hour** and **Minute**. Touch **PM** or **AM** to toggle the setting, then tap **Set**.
 - To display the time in 24-hour format, tap **Use 24-hour format**. If this is not enabled, the phone automatically uses a 12-hour format.
6. Tap **Select date format** and touch the date format type.

About Phone

This menu contains phone status information, battery use information, legal information, and other phone information such as the model number, firmware version, baseband version, kernel version, and software build number.

To access phone information:

- Press  →  and then tap  (**Settings**) → **About phone**. The following information displays:
- **Status**: displays the battery status, the level of the battery (percentage), the phone number for this device, the network connection, signal strength, mobile network type, service state, roaming status, mobile network state, IMEI number, IMEI SV, Wi-Fi MAC address, Bluetooth address, and Up time.
 - **Battery use**: displays the percentage of battery use by various applications and services.

- **Legal information**: displays the applicable Open source licenses and Google legal information for this phone. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference.

Tip: To find your device's DivX® registration code and information about registering your device to play DivX protected video, tap **License settings** → **DivX® VOD**.

- **Model number**: displays the phone's model number.
- **Android version**: displays the firmware version loaded on this handset.
- **Baseband version**: displays the baseband version loaded on this handset.
- **Kernel version**: displays the kernel version loaded on this handset.
- **Build number**: displays the software build number.

Note: Firmware, baseband, kernel and build numbers may be required by a service representative when troubleshooting service problems or when selecting the appropriate updates for the handset.

Search Settings

You can use your phone's search preferences to configure some aspects of Google Web search (for example, whether it makes suggestions below the Quick Search Box as you type), and what phone features you want to include in searches.

1. Press  →  and then tap  (Search).
2. Press  → **Search settings**.
3. Tap any of the following search parameters to then alter the settings:
 - **Google search** opens a screen where you can set your Google search preferences.
 - **Show web suggestions**: includes search matches from Google's online search engine.
 - **Use My Location**: uses your My Location information for Google search results and services.
 - **Search history**: determines whether you also wish to included personalized search history results in the list of matches.
 - **Manage search history**: helps to manage the personalized search history associated with your current registered Google account.
 - **Searchable items**: opens a screen where you can choose the search categories included in device searches. such as: **Web, Apps, Contacts, Memo, Messaging, Music, or Voice Search**.
 - **Clear shortcuts**: erases the history for recently selected search results.

Section 13: Health and Safety Information

Safety Warnings

Keep phone from children and pets

Keep your phone and all accessories out of the reach of small children or animals. Small parts may cause choking or serious injury if swallowed. Children could also damage the phone, dial 911 by mistake or make calls that increase your phone bill.

Protect your hearing

Excessive exposure to sound at high volume can cause hearing damage. Always turn the volume down before plugging in the earphones and use only the minimum volume setting necessary to hear your conversation or music.

Install mobile devices and equipment with caution

Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted. Avoid placing your phone and accessories near or in an air bag deployment area. Improperly installed wireless equipment can cause serious injury when air bags inflate rapidly.

Handle and dispose of batteries and chargers with care

Use only Samsung-approved batteries and chargers specifically designed for your phone. Incompatible batteries and chargers can cause serious injuries or damage to your phone.

Never dispose of batteries or phones in a fire. Follow all local regulations when disposing used batteries or phones.

Never place batteries or phones on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.

Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Avoid interference with pacemakers

Maintain a minimum of 15 cm (6 inches) between mobile phones and pacemakers to avoid potential interference, as recommended by manufacturers and the independent research group, Wireless Technology Research. If you have any reason to suspect that your phone is interfering with a pacemaker or other medical device, turn off the phone immediately and contact the manufacturer of the pacemaker or medical device for guidance.

Turn off the phone in potentially explosive environments

Do not use your phone at refuelling points (service stations) or near fuels or chemicals. Turn off your phone whenever directed by warning signs or instructions. Your phone could cause explosions or fire in and around fuel or chemical storage and transfer areas or blasting areas. Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the phone, its parts, or accessories.

Turn off the phone in thunderstorms

Do not use your phone during a thunderstorm. Your phone may malfunction and your risk of electric shock is increased.

Warning regarding display

The display on your handset is made of glass or acrylic and can break if your handset is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury.

Safety Precautions

Drive safely at all times

Avoid using your phone while driving and obey all regulations that restrict the use of mobile phones while driving. Use hands-free accessories to increase your safety when possible.

Follow all safety warnings and regulations

Comply with any regulations that restrict the use of a mobile phone in a certain area.

Use only Samsung-approved accessories

Using incompatible accessories may damage your phone or cause injury.

Turn off the phone near medical equipment

Your phone can interfere with medical equipment in hospitals or health care facilities. Follow all regulations, posted warnings, and directions from medical personnel.

Turn off the phone or disable the wireless functions when in an aircraft

Your phone can cause interference with aircraft equipment. Follow all airline regulations and turn off your phone or switch to a mode that disables the wireless functions when directed by airline personnel.

Avoid interference with other electronic devices

Your phone emits radio frequency (RF) signals that may interfere with unshielded or improperly shielded electronic equipment, such as pacemakers, hearing aids, medical devices, and other electronic devices in homes or vehicles. Consult the

manufacturers of your electronic devices to solve any interference problems you experience.

Protect batteries and chargers from damage

- Avoid exposing batteries to very cold or very hot temperatures (below 0° C/32° F or above 45° C/113° F). Extreme temperatures can reduce the charging capacity and life of your batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and - terminals of your batteries and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.

Handle your phone carefully and sensibly

- Do not disassemble your phone due to a risk of electric shock.
- Do not allow your phone to get wet—liquids can cause serious damage and will change the colour of the label that indicates water damage inside the phone. Do not handle your phone with wet hands. Water damage to your phone can void your manufacturer's warranty.
- Avoid using or storing your phone in dusty, dirty areas to prevent damage to moving parts.
- Your phone is a complex electronic device—protect it from impacts and rough handling to avoid serious damage.
- Do not paint your phone, as paint can clog moving parts and prevent proper operation.

- Your phone may be damaged by exposure to magnetic fields. Do not use carrying cases or accessories with magnetic closures or allow your phone to come in contact with magnetic fields for extended periods of time.

Reduce the risk of repetitive motion injuries

While using your phone, hold it with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as templates and predictive text), and take frequent breaks.

Warranty Disclaimer: Proper use of a touch screen handset

If your handset has a touchscreen display, please note that a touchscreen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touchscreen may damage the tempered glass surface and void the warranty. For more information, please refer to "Warranty Information" on page 161.

UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Important usage information

Signal Strength

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal. If you're inside a building, being near a window may give you better reception.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level.

Allow only qualified personnel to service your phone

Allowing unqualified personnel to service your phone may result in damage to your phone and will void your warranty.

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.
- Over time, unused batteries will discharge and must be recharged before use.
- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purpose.

Handle SIM and memory cards with care

- Do not remove a card while the phone is transferring or accessing information, as this could result in loss of data and/or damage to the card or phone.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Frequent writing and erasing will shorten the life span of memory cards.

- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

Ensure access to emergency services

Emergency calls from your phone may not be possible in some areas or circumstances. Before travelling in remote or undeveloped areas, plan an alternate method of contacting emergency services personnel.

Correct disposal of this product

The product and its electronic accessories (e.g., charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Correct disposal of batteries in this product

The batteries in this product should not be disposed of with other household waste at the end of their working life.

Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above reference levels. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

This phone is compliant with RoHS.

Radio frequency safety

The design of your phone complies with updated NCRP standards described below. In 1991-92, the Institute of Electrical and Electronics Engineers (IEEE) and the American National Standards Institute (ANSI) joined in updating ANSI's 1982 standard for safety levels with respect to human exposure to RF signals. More than 120 scientists, engineers and physicians from universities, government health agencies and industries developed this updated standard after reviewing the available body of research. In 1993, the Federal Communications Commission (FCC) adopted this updated standard in a regulation. In August 1996, the FCC adopted hybrid standard consisting of the existing ANSI/IEEE standard and the guidelines published by the National Council of Radiation Protection and Measurements (NCRP).

Acknowledging special precautions and Industry Canada notice

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient / relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult your dealer or an experienced radio/TV technician for help.

Specific Absorption Rates (SAR)

The SAR is a value that corresponds to the relative amount of RF energy absorbed in the head of a user of a wireless handset.

The SAR value of a phone is the result of an extensive testing, measuring and calculation process. It does not represent how much RF the phone emits. All phone models are tested at their highest value in strict laboratory settings. But when in operation, the SAR of a phone can be substantially less than the level reported to the FCC. This is because of a variety of factors including its proximity to a base station antenna, phone design and other factors. What is important to remember is that each phone meets strict federal guidelines. Variations in SARs do not represent a variation in safety.

All phones must meet the federal standard, which incorporates a substantial margin of safety. SAR values at or below the federal standard of 1.6 W/kg are considered safe for use by the public.

The highest reported SAR value of the T989D is 1.10 W/kg.

Section 14: Warranty Information

Standard Limited Warranty

What is Covered and For How Long? SAMSUNG ELECTRONICS CANADA INC. (SAMSUNG) warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, neglect, unusual physical, electrical or electromechanical stress, or defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts unless caused by SAMSUNG; (b) defects or damage resulting from excessive force or use

of a metallic object when pressing on a touch screen; (c) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (d) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (e) malfunctions resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (f) defects or damage from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (g) defects or damage from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake, or from exposure to weather conditions, or battery leakage, theft, blown fuse, or improper use of any electrical source; (h) defects or damage caused by cellular signal reception or transmission, or viruses or other software problems introduced into the Product; (j) any other acts which are not the fault of SAMSUNG; or (i) Product used or purchased outside the United States or Canada.

This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of

tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-800-SAMSUNG. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must

pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are The Limits On Samsung's Warranty/liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF

MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF

ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS.

THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

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