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4 G LTE SMARTPHONE

User Manual

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



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Samsung Telecommunications America (STA), LLC

Headquarters:

1301 E. Lookout Drive

Richardson, TX 75082

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Internet Address:

http://www.samsung.com

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Your phone features earSmartTM, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**TM in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise from both ends of a call.
- It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

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Section 1: Getting Started

This section explains how to start using your phone by configuring your hardware, setting up accounts, and setting up your voice mail.

Understanding This User Manual

The sections of this manual generally follow the features of your device. A robust index for features begins on page 230. Also included is important safety information, beginning on page 192, that you should know before using your device.

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

Unless otherwise specified, all instructions in this manual assume that you are starting from a Home screen. To get to a Home screen, you may need to unlock the device. For more information, refer to "Securing Your Device" on page 16.

Note: Instructions in this manual are based on default settings and may vary from your device depending on the software version on your device and any changes to the device's settings. **Note:** Unless stated otherwise, instructions in this user manual start with the device unlocked, at the Home screen.

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

Special Text

In this manual, some text is set apart from the rest. This special text is intended to point out important information, share quick methods for activating features, 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 important information to your attention that can help to prevent loss of data or functionality or damage to your device.

Text Conventions

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

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

From a Home screen, touch **Apps** → **Settings**My device → Display → Screen timeout.

Removing the Back Cover

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

Caution! Do not bend or twist the back cover excessively.

Doing so may damage the cover.

To remove the back cover:

 Place your fingernail into the slot in the side of the cover (1). If you have fragile nails, use a pointed object.



2. Pull the cover up and then lift up and away from the phone (2).



Installing the SIM Card

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

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

 Carefully slide the SIM card under the bottom metal plate into the SIM card socket, as shown, until the card locks into place.

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



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

Installing a MicroSD Card

Your device supports removable microSD or microSDHC memory cards with maximum capacities of 64 GB (depending on the memory card manufacturer and type). Memory cards are used to store music, photos, videos, and other files.

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

To insert a MicroSD card, which is optional:

 Carefully slide the MicroSD card under the top metal plate into the MicroSD card socket, as shown, until the card locks into place.



Installing the Battery

To install the battery:

- Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
- 2. Gently press down to secure the battery (2).



Replacing the Back Cover

 Place the battery cover onto the back of the phone (1) and press down (2).

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



2. Press along the edge of the back cover (3) until you have a secure seal



Charging the Battery

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

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

Note: Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

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

Using the Travel Charger

To use the Travel Charger:

 Plug the flat end of the Travel Charger (1) into the phone's interface connector jack and the other end (2) into a standard AC wall outlet.



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

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

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

Warning! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to "Standard Limited Warranty" on page 216.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon () blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color () indicates a full charge.

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

You can also choose to display a percentage value. Having a percentage value on-screen can provide a better idea of the remaining charge on the battery.

From a Home screen, touch Apps → Settings
 → My device → Display →
 Show battery percentage.

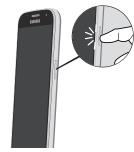
Turning Your Phone On or Off

Turning Your Device On

Press and hold the Power/Lock Key.

For more information, refer to "Unlocking the Device" on page 17.

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



For more information, refer to "GPS Applications" on page 107.

Turning Your Device Off

- 1. Press and hold the Power/Lock Key.
- 2. At the Device options prompt, touch Power off.
- At the Power off prompt, touch OK.

Setting Up Your Phone

When you first turn on your phone, you are asked to set up a few things. To do that, the following screens display. Some screens can be skipped (touch **Next**) or re-displayed (touch **Back**). Some screens display depending on the options you choose.

Let's Set Up Your Device

Use this screen to quickly and easily set up email accounts, import contacts, and configure Wi-Fi.

- 1. Touch Español, if desired. English is the default.
- Touch Terms & Conditions, read the End User License Agreement for Ready2Go, then touch back.
- 3. Touch get started.

- or -

To configure your phone later, touch **Remind Later** and then touch **exit**.

 Read and follow the instructions on each screen to set up your phone.

Google & Location

- Read the information on the screen and enable either or both of the Google location services.
- **2.** Touch to continue.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON and Samsung Hub.

- If you have no Samsung account, touch Create new account.
 - or -

If you do have a Samsung account, touch Sign in.

The Samsung account screen displays.

Follow the on-screen instructions to create and activate your account.

If you do not create a Samsung account when you first set up your phone, see "Signing In to Your Samsung Account" on page 179 for more information.

Learn About Key Features

- Touch S Beam, Voice control, Smart stay, Easy mode, or Adapt display to see more details about the selected function.
- 2. Touch the OFF / ON icon next to a function to turn the function on or off.
- 3. Touch Finish.

Congratulations! Your device is set up and ready to use.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

From a Home screen, touch Apps → Gmail.
 The Add a Google Account screen displays.

- 2. Touch **New** to create a new Google account.
 - or -

If you already have a Google account, touch **Existing** to sign in and add the account to your phone.

Follow the on-screen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

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:

- From your computer, use an Internet browser and navigate to http://google.com/accounts.
- 2. Follow the password recovery procedure.

Setting Up Your Voice Mail

- 1. From a Home screen, touch **The Phone**.
- 2. Touch Voicemail.
- Follow the tutorial to create a password, record a greeting, and record your name.

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

Accessing Your Voice Mail

- 1. From a Home screen, touch **Q** Phone.
- Touch Voicemail.You may be prompted to enter a password.
- 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 password.

Securing Your Device

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

For more information about creating and enabling a Screen unlock pattern, see "Screen Lock" on page 157.

For other settings related to securing your device, see "Location Services" on page 182.

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

Locking the Device Manually

Unlocking the Device

- Press the Power/Lock Key.
 The Lock screen displays.
- 2. Swipe across the screen as shown.



The last screen you accessed displays.

Note: You can customize the Lock screen and set the type of Screen Unlock you want to use (Face unlock, Face and voice, Pattern, PIN, or Password). For more information, refer to "Lock Screen Options" on page 157.

Troubleshooting

If your device has fatal errors, hangs up, or freezes, you may need to reset the device to regain functionality.

If your device is frozen and unresponsive, press and hold the Power/Lock Key for 8 to 10 seconds

Section 2: Understanding Your Phone

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

Features of Your Phone

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

- LTE network with ?.? gigahertz dual-core processor
- Android Version 4.2.2
- Brilliant ??-inch HD PLS TFT display
- Touch screen provides quick response to a variety of in-phone menus and options including applications and up to seven home screens.
- Smart Switch™ compliant. For more information, see www.samsungsmartswitch.com.
- · Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi technology

- Mobile Hotspot and USB Tethering capability
- 8 Megapixel camera and camcorder with 1.9 megapixel Front Facing camera
- Smart Remote using WatchON
- AT&T GPS Navigation functionality provides real-time navigation
- Delivers data faster using 4G LTE and High Speed Packet Access Plus (HSPA+).
- Up to 64GB expandable memory slot
- Microsoft Exchange ActiveSync and Personal Email
- · Sync and update social network applications
- Over 750,000 Apps available to download from Google Play Store and Samsung Hub
- Full Integration of Google Mobile[™] Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging, and Instant Messaging with Google Hangouts
- Samsung Link to share your media content across DLNA certified devices

Front View of Your Phone

The following items can be found on the front of your device.

- Status light: Displays red when charging, green when fully charged, blue when powering up, and orange when a notification has arrived.
- 2. External speaker: Allows you to hear the caller.
- Proximity and Light sensors: Uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.
- Front facing camera: Take pictures of yourself when you set the camera shooting mode to Self shot.
- 5. Display Screen: The orientation of the display screen rotates with the tablet as you turn it. You can turn this feature on and off. For more information, refer to "Display Settings" on page 159.
- Menu: Access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.

- 7. Home: Return to the main Home screen from any Home screen or menu. Press and hold to display Recent apps, Task Manager, and Google Search. Quickly press twice to activate the S Voice application.
- **8. Back**: Step backwards when navigating a menu or web page.



Side Views of Your Phone



- 1. 3.5mm Headset jack: Plug in for headphones.
- Microphone: Used for noise cancellation and stereo recording.
- Infrared Blaster: Used to emit infrared signals used for controlling external devices.
- 4. Volume keys: Adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key to mute the ring tone. Adjusts text size when reading a message.
- Power/Lock key: Used to power your phone on and off. Also used to lock or unlock the touch screen. For more information, refer to "Securing Your Device" on page 16.
- Power/Accessory Interface connector: Used to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
- Microphone: Allows other callers to hear you when you are speaking to them. It is also used for the Speakerphone.

Rear View of Your Phone



- 1. Camera lens: Used to take pictures and record videos.
- Flash: Provides adequate light when taking pictures in dark places.
- **3. External speaker**: Allows you to hear when the Speakerphone is turned on.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to "Front View of Your Phone" on page 19.

Indicator Icons

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



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



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



There is no SIM card in the phone.



There is no network available.



Your phone is in Blocking mode.



There is a system error or alert.



The Smart stay feature is activated. The screen stays on as long as you are looking at it.



Indicates a security warning. You are prompted to set a screen lock password.



A call is in progress.



A call is on hold.



The speakerphone is on.



A call has been missed.



A call has been muted.



Call forwarding is set to Always forward. For more information, refer to "Call Forwarding" on page 71.



Battery charge level. Icon shown is fully charged.



The battery is charging. Also displays battery charge level.



Device Power Low – Shows your current battery only has between 15 and 28 percent power remaining.



Device Power Very Low – Shows your current battery only has between 5 and 15 percent power remaining.



Device Power Critical – Shows your current battery only has less than 5 percent power remaining and will immediately shutdown.



Your connection to an EDGF network is active.





Your phone is communicating with the EDGE network.



Your connection to a UTMS, HSDPA, HSPA, or HSPA+ network is active.



Your phone is communicating with the UTMS, HSDPA, HSPA, or HSPA+ network.



Your connection to a 4G LTE network is active.



Your phone is communicating with the 4G LTE network.



Your phone is downloading or has downloaded a file. It will blink green when it is installing.



An outbound file transfer is in progress.



A Play Store download has completed.



Updates are available for download.



The phone is connected to a computer via a supported USB cable connection.



The phone is tethered via a supported USB cable connection.



A new text or multimedia message has been received.



A new voice mail has been received.



Email has been received.



The time and date for a Calendar Event has arrived. For more information, refer to "Calendar" on page 115.



An alarm is set to ring at a specified time. For more information, refer to "Clock" on page 116.





The Sound profile is set to Mute.



The Sound profile is set to Vibrate.



Bluetooth is activated.



A Bluetooth device has been paired with the phone.



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



There is a Wi-Fi access point available but your device is not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).



Wi-Fi Direct is active and your phone is connected to another device.



Your phone as been configured as a portable Wi-Fi hotspot.



GPS is active and acquiring a signal.



Data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.



Your phone is connecting to the Device Management server when you first turn on your phone.



Near Field Communication (NFC) has been activated.



Your device is connected being used to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the Samsung Link application.



Your device is currently sharing/streaming media to a paired device using the Samsung Link application.



A file is being uploaded or sync'd between your device and an external Web storage location.



The uploaded or transferred file was successfully delivered.



A TTY device has been inserted.



A screen capture has been taken.



The keyboard is active.



Driving mode is active.

For more details on configuring your phone's settings, see "Changing Your Settings" on page 147.

Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google.

- 1. From the main Home screen, swipe the screen to the left to bring up the next Home screen.
- **2.** Touch the Google Search bar \bigcirc Google \bigcirc \bigcirc .
- 3. Use the on-screen keyboard to enter the item you want to search for, then touch .
- 4. Touch \(\overline{\partial} \) to use Google Voice Search. Follow the on-screen instructions.

Using Motions and Gestures

By activating the various motion and gesture features, you can access a variety of time saving functions.

Terms Used in This User Manual Touch

Lightly touch items to select or launch them. For example:

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

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

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

Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

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

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

Capturing the screen

Panning

To pan, touch and hold a selected icon, then move the device to the left or right to reposition it to another page. You must first activate Motion on your device. Use panning to:

 Move icons on your Home screens or Application Menus to another page.

Tilt

To activate the tilt feature, touch and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

• Reduce or enlarge the screen in the Gallery or Browser.

Turn Over

Turn your phone over so that the screen faces downward. For example:

 Mute incoming calls and playing sounds by turning your phone over.

Activating Motions and Gestures

Your phone includes motion and gesture settings that allow you to control your device with natural movements.

Caution! Excessive shaking or impact to the device may cause unintended results.

To learn how to properly control motions:

From a Home screen, touch \bigoplus Apps \rightarrow \bigotimes Settings

 \rightarrow $\mathbb{C}_{\text{Mydevice}}$ My device \rightarrow Motions and gestures.

The following options are available:

- Motion: Control your device using natural movements (on the screen).
- Palm motion: Control your device by touching the screen with your entire hand.
- Gyroscope calibration: Used to properly calibrate your device's touch screen.

Each of these options display additional settings.

When you touch a setting, an on-screen tutorial demonstrates the motion or gesture.

For more information, refer to "Motions and Gestures" on page 175.

Home Screen Overview

The main Home screen is the starting point for many applications and functions and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing **Home**.

Note: Unless stated otherwise, instructions in this user manual start with the device unlocked, at the Home screen.

- Notification Bar: Shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Email, missed calls, and so on.
- Widgets: Applications that run on the Home screen. Some widgets are found on the Home screen by default. For more information, refer to "Adding and Removing Widgets" on page 31.
- 3. Apps: Display the Apps screen.
- Current screen indicator: Shows which Home screen is presently displayed.
- Primary shortcuts: Allows quick access to important features such as Phone, Email, Browser, Camera, and Apps. For more information, refer to "Adding and Removing Primary Shortcuts" on page 31.
- Application icons: You can place shortcuts to your favorite applications on the Home screen.



Navigating Through the Home Screens

Your phone originally has three active Home screens, but you can add more for a total of seven Home screens. If you like, you can place different applications on each of the Home screens.

 From a Home screen, sweep the screen with your finger in either direction. As you scroll, the current screen indicator at the bottom of the display shows your current position.

Note: The center panel displays when you press (



Tip: The main Home screen is usually the center Home screen.

Navigating Through the Application Menus

Your phone initially has three Application Menus available.

To navigate through the Application Menus:

- From a Home screen, touch Apps.
 The first Application Menu will be displayed.
- Sweep the screen left or right to access the other two menus.
- 3. Touch one of the application icons.

Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Browser.

To access a sub-menu:

- Touch Menu.
 A sub-menu will display at the bottom of the phone screen.
- Touch an option.

Accessing Recently-Used Apps

- Press and hold Home from any screen to open the recently-used applications window.
- 2. Touch an icon to open the selected application.

- or -

Touch to go to the Task manager, to go to Google Search, or to delete the record of all recently used applications.

Customizing Your Home Screen

You can customize your Home screen by:

- Creating Shortcuts
- · Adding and Removing Primary Shortcuts
- Adding and Removing Widgets
- Moving Icons in the Apps Menu
- Creating Application Folders
- Adding a New Page to the Application Menu
- Changing the Wallpaper
- Adding and Deleting Home Screens
- Moving Home Screens

Creating Shortcuts

Unlike Home screen Widgets, which only launch an application, shortcuts activate a feature, action, or launch an application.

To move a shortcut from one screen to another:

- Delete the shortcut from the current screen on which it is located.
- 2. Navigate to a new screen, and re-add the shortcut.

Adding a Shortcut from the Apps Menu

- 1. Press Home to activate the main Home screen.
- 2. Navigate to the desired Home Page.
- 3. Touch Apps to display your current applications.
- Scroll through the list and locate your desired application.
- Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the Apps tab.
- While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Adding a Shortcut from the Add to Home Screen

- 1. Press Home to activate the main Home screen.
- Navigate to the desired Home screen.
- Touch and hold on an empty area of the Home screen.
- 4. Touch Apps and widgets, Folder, or Page.
- **5.** Touch and hold a shortcut from the available list and position it on the current screen.

Deleting a Shortcut

- 1. Press Home to activate the main Home screen.
- 2. Navigate to the desired Home screen.
- Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
- Drag the icon to Remove and release it.
 As you place the shortcut into the Trash, both items turn red.

Note: This action does not delete the shortcut, it just removes it from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

- 1. Press Home to activate the main Home screen.
- Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen.
- 3. Scroll through the App menu to find the shortcut you want to add as the new primary short cut.
- Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.
 The new primary shortcut will now appear on all Home screens.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an on-screen application.

Adding a Widget

- 1. Press Home to activate the main Home screen.
- 2. Navigate to the desired Home Page.
- Touch and hold on an empty area of the screen.The Home screen options pop-up displays.
- 4. Touch Apps and widgets.
- 5. Touch the Widgets tab at the top of the screen.
- Touch and hold an available Widget to position it on the current screen, then release the Widget.

Removing a Widget

- Touch and hold a Widget until you can move it around on the screen.
- Drag the Widget to Remove and release it. As you place the Widget into the Trash, both items turn red.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Apps Menu

- Press Home to activate the main Home screen.
- Touch Apps to display your current applications.
 Touch the Apps tab at the top of the screen if it is not
- already selected.

 4 Touch Menu → View type → Customizable grid
- Touch Menu → View type → Customizable grid.
 A green circle will appear next to the option.
- 5. Touch Menu → Edit.
- Scroll through the list and locate the icon you want to move.
- Touch and drag the icon to the position that you want.To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
- Touch Save.
- Press Home to return to the Home screen.

Creating Application Folders

To create application folders to hold similar applications:

- 1. Press Home to activate the main Home screen.
- **2.** Touch **## Apps** to display your current applications.
- Touch the Apps tab at the top of the screen if it is not already selected.
- 4. Touch Menu → Edit.
- Touch and hold the first application that you would like to move to a folder.
- 6. Drag the icon to the 🔂 Create folder icon.
- 7. Enter a folder name and touch OK.

A folder displays in the original place of the application icon with the application icon displayed on top of it. You can now drag other Apps into the folder.

Note: To view information about an App, drag the App icon to the [i] App info icon.

Touch Save.

Adding a New Page to the Application Menu

To add a new page to your application menu:

- 1. Press Home to activate the main Home screen.
- **2.** Touch **Apps** to display your current applications.
- Touch the Apps tab at the top of the screen if it is not already selected.
- Touch Menu → Edit.
- Touch and hold the first application that you would like to move to a new page.
- 7. Drag the icon to the 🕟 Create page icon.
- 8. Touch Save.

The app will display on a new page.

Changing the Wallpaper

To change the Wallpaper (background) of your home screens:

- From a Home screen, touch and hold on an empty area
 of the screen until the Home screen options pop-up
 displays and touch Set wallpaper.
- Touch Home screen, Lock screen, or Home and lock screens.

The **Select wallpaper from** pop-up displays the following options:

- Gallery: Select a wallpaper from photographs you have taken with your camera.
- Live wallpapers: Select an animated wallpaper. This option is not available for the Lock screen option.
- Wallpapers: Select from many still-life wallpapers.
- Select a wallpaper and touch Set wallpaper, Done, or Cancel

Adding, Moving, and Deleting Home Screens

Your device can display up to seven Home screens.

- Press Home to activate the main Home screen.
- 2. Touch Menu → Edit page.
- 3. To add a new Home screen, touch the Home screen that contains .

A new screen is added and you can add items to it.

- To move a Home screen, touch and hold the Home screen you want to move and drag it to a different location.
 - When you move a Home screen, the other Home screens are re-ordered automatically.
- To delete a Home screen, touch and hold the Home screen you want to delete. Drag it to Remove and release it.

The page will turn red.

If there are items on the Home screen, the **Remove home screen page** prompt displays. Touch **OK** to delete the page and its contents, otherwise touch **Cancel**.

6. Touch 🛨 Back to return to the main Home screen.

Notification Bar

The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts.

 From any screen, touch and hold the Notification Bar at the top of your screen until the pull-down displays, then drag downward.

Clearing Notifications

To clear all notifications from the Notification panel:

- From a Home screen, touch and hold the Notification Bar until the pull-down displays, then drag downward.
- Touch the Clear button.The notifications are cleared and the panel closes.

Notification Panel Functions

In addition to notifications, the Notification panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off. You can choose the functions that display.

- 1. From the notification panel, touch \(\frac{1}{4}\) to display additional options.
 - The following functions can either be activated (green) or deactivated (gray): Wi-Fi, GPS, Sound/Vibrate/Mute, Screen rotation, Bluetooth, Blocking mode, Power saving, Screen Mirroring, S Beam, NFC, Driving mode, Smart stay, Sync, and Airplane mode.
- 2. Touch and locate the Notification panel area located at the bottom of the Notification panel screen.
- In a single motion, touch and hold a desired function then drag it to the top two rows. Additional functions are Driving mode, Smart stay, Sync, and Airplane mode.
- Touch Brightness adjustment to create a check mark if you want to be able to adjust the screen brightness from the Notification panel.
- 5. Touch **Back** and then touch to display only your primary functions.

Memory Card

Your device lets you use a microSD (SD) or microSDHC card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device's SD functionality. The device has a USB SD card mode.

Mounting the SD Card

To store additional photos, music, videos, and other applications, you must insert the SD card prior to use. Inserting the SD card establishes a USB connection with your computer.

- Insert the SD card into the external, SD card slot. For more information, refer to "Installing a MicroSD Card" on page 10.
- 2. Your SD card is scanned to see the available information on it.

Unmounting the SD Card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

- From a Home screen, touch Apps → Settings
 More → Storage.
- 2. Scroll to the bottom of the display and touch Unmount SD card.
- 3. Touch OK.

SD Card Available Memory Status

To view the memory allocation for your external SD card:

- From a Home screen, touch Apps → Settings
 → Storage.
- The available memory for Device and SD card displays under the Total space and Available space headings.

Erasing Files from the SD card

You can erase files from the SD card using the phone.

- Ensure the SD card is mounted. For more information, refer to "Mounting the SD Card" on page 36.
- From a Home screen, touch Apps → Settings
 → More → Storage.
- Touch Format SD card.
- 4. At the Format SD card confirmation screen, touch Format SD card

Warning! Performing the next step erases all data stored on the SD card.

Touch Delete all to format or touch Back to cancel.

Entering Text

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

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

Text Input Methods

Your phone offers the following text input methods:

- Samsung keyboard
- Google voice typing and
- Swype

You can set a default text entry method in Settings. For more information, refer to "Keyboards and Input Methods" on page 171.

To choose a text input method while entering text:

- Touch and hold the Notification Bar until the pull-down displays, then drag downward.
 The Notifications panel displays.
- Touch Select input method.
 The Select input method pop-up displays.
- 3. Touch an input method to activate it.

For more information, refer to "Keyboards and Input Methods" on page 171.

Using the Samsung Keyboard

The Samsung keyboard is a custom virtual QWERTY keyboard, featuring optional predictive text or continuous input. Input characters by touching the on-screen keys with your finger or use speech recognition.

You can enable predictive text, to have the Samsung keyboard match your key touches to common words and displays them. The Personalization option learns from Gmail, Facebook, and Twitter. Log into these applications to enable the Samsung keyboard to learn from your text input.

Configuring the Samsung Keyboard

You can configure the Samsung keyboard to your preferences. While entering text:

Touch and hold Options on the keyboard and then touch Settings.

The Samsung keyboard settings screen displays.

For more information, refer to "Samsung Keyboard" on page 172.

Entering Upper and Lower Case Letters

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

- Touch once to switch from abc to Abc mode.
- Touch twice to switch to ABC mode. When ABC mode is enabled, the Shift key background turns blue.

Entering Symbols and Numbers

The number keys are displayed at the top of the keyboard and are always available.

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

There are three pages of symbols. Touch 1/3 to switch to the next page.

Touch and hold a vowel key (A, E, I, O, U, or Y) or the C, N, or S key to open a small window where you can chose an accented vowel or other alternate letter. Slide to the letter until it is highlighted, and release.

Touch and hold the Period key ($\mbox{.}$) to open a small window with a set of common symbols.

Using Predictive Text

By using Predictive text, you can have next-letter prediction and regional error correction, which compensates for touching the wrong keys on the QWERTY keyboard.

Note: Enable Predictive text in Samsung keyboard settings. For more information, refer to "Samsung Keyboard" on page 172.

While entering characters, potential word matches display in the Predictive text area above the keyboard.

Touch a word to insert it into your text.

Tip: Touch \checkmark to display more words.

Using Google Voice Typing from the Samsung Keyboard

When you enable the Google voice typing setting, you can use your voice to enter text instead of the keyboard.

For more information about enabling Voice input, see "Using Google Voice Typing" on page 41.

Editing Text

You can edit the text you enter in text fields by cutting, copying, or pasting text. These operations can be performed within and across apps. However, some apps do not support editing some or all of the text displayed while others may offer their own way to select text.

Editing Existing Text

To edit text that you have entered:

- Touch the text at the point you want to edit.
 The Cursor displays at the point you touched.
- Touch and drag the Cursor to a better position, if necessary.
- 3. Enter additional text or delete text by repeatedly touching the Delete key.

Copying, Deleting, or Replacing Text

To select and copy, delete, or replace text:

- Touch and hold the text or word you want to select.
 The selected text is highlighted with a tab at each end of the selection.
- 2. Touch and drag either tab to select more or less text.

Tip: Touch Select all in the pop-up to select all text in the field.

Touch on another area of the screen or touch **Done** to deselect the text.

- Depending on the action you want to take for the selected text. in the pop-up touch:
 - Select all to highlight all text in the field.
 - Cut to remove the selected text.
 - Copy to save the selected text to the clipboard.
 - Paste to paste previously copied text.
 - Clipboard to display the text saved to the clipboard.
 - **Translate** to translate the highlighted word. For more information, refer to "*S Translator*" on page 135.

- or -

Enter text by typing or speaking to replace the selection with what you type.

- or -

Touch the Delete key to delete the selected text.

Pasting Text

To paste previously copied text:

 Touch the text at the point you want to paste the copied text.

The **Cursor** displays at the point you touched.

2. Touch the Cursor.

A pop-up displays.

3. Touch Paste in the pop-up.

To paste text directly from the clipboard:

- Touch and hold on the keyboard and then select from the pop-up menu to display the text saved to the clipboard.
- Touch a text block to paste that text where the Cursor is positioned.

Closing the Keyboard

To close the keyboard:

■ Touch **Sack** to close the keyboard.

Using Google Voice Typing

You can use your voice to enter text using the Google voice tvping feature.

While entering text:

- Touch on the keyboard.
 For more information, refer to "Samsung Keyboard" on page 172.
- At the Tap to speak prompt, touch and speak clearly and distinctly into the microphone.
 The software converts your voice to text, which displays in the message.
- 3. Keep speaking to add more text.
- 4. Touch to display the Samsung keyboard.

Note: The feature works best when you break your message down into smaller segments.

Entering Text Using Swype

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

Enabling and Configuring Swype

To enable the Swype keyboard:

- Touch and hold the Notification Bar until the pull-down displays, then drag downward.
 The Notifications panel displays.
- 2. Touch Select input method.

 The Select input method pop-up displays.
- Touch Swype.The Swype keyboard displays.

Swipe Tips

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



Here are a few tips to get you started:

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

Swype Settings

To configure Swype to your preferences.

While entering text, touch and hold the Swype Key to display the Settings screen. For more information, refer to "Swype" on page 174.

Section 3: Contacts and Your Address Book

This section allows you to manage your daily contacts by storing their name and number in your Address Book.

Address Book entries can be sorted by name, entry, or group.

Accessing Contacts

From a Home screen, touch **Ⅲ Apps** →

Contacts.

- or -

From a Home screen, touch

Contacts. Phone →

AT&T Address Book Activation

When you access the AT&T Address Book, the network backup service, contacts are automatically synchronized between your phone and online address book. The changes you make are automatically saved and if you ever upgrade, damage, or lose your phone, you can easily restore your contacts onto your new phone.

To activate the AT&T Address Book:

Your Address Book displays.

If you have not synchronized your phone with your online AT&T Address Book recently, the AT&T Address Book screen displays.

1. From the Home screen, touch **Q** Contacts.

- Touch Yes, if you want to synchronize your Address Book.
- 3. Follow the on-screen instructions.

Your AT&T Address Book is Ready to Use. You can now make a call or send a message through your Address Book.

You can also manage your Address Book on the web at http://www.att.com/addressbook.

Synchronizing your AT&T Address Book

If you ever upgrade, damage, or lose your phone, you can easily restore your contacts onto your new phone by following these steps:

- 1. From the Home screen, touch <a>I. Contacts.
- 2. Touch Menu → Settings → AT&T Address Book.
- At the AT&T Address Book screen, touch OK to synchronize your phone with your online Address Book.
- If there are existing contacts on your phone, you will be prompted if you would like to remove them first. Touch Yes or No.

Note: You must first copy any contacts that exist on your SIM card to your phone. For more information, refer to "Copying Contacts to the Phone" on page 56.

Your phone is synchronized.

At the Your AT&T Address Book is Ready for Use screen, touch OK.

Your Contact list displays.

Adding a New Contact

Use the following procedure to add a new contact to your Address Book.

Use the following procedure to add a new contact:

- 1. From the Home screen, touch [2] Contacts.
- 2. Touch Create.

The Save contact to pop-up displays.

- 3. Touch Device, SIM, or an account name.
 - or -

Touch **Add new account** to add a different account. For more information, refer to "Adding an Account" on page 178.

- Touch the Contact photo to set up a photo to identify the contact.
- Touch the Name field and use the on-screen keyboard to enter the full name. For more information, refer to "Entering Text" on page 37.
 - or –

Touch very next to the **Name** field to display additional name fields.

- 6. Touch contact fields to display the keyboard and enter information:
 - Some fields have preset values. Touch the field and touch the desired value. For example, touch the _____ Label tab and touch a label for the field.
 - Other fields have to be input. Touch the field and use the on-screen keyboard to input information.
 - Touching the check box next to some fields may make additional fields available.
 - Touch to add additional fields. Touch to remove an unused field. Also, touch Add another field to add other fields.
 - Touch the screen and swipe up or down to display additional fields or touch **Next** on the keyboard to move to the next field.
- 7. Touch **Sack** to remove the keyboard.
- When you finish entering information, touch Save.
 or –

Touch **Cancel** \rightarrow **OK** to cancel and discard changes.

Tip: Display a contact's record and touch the Email field to send an email, the Address field to display the address on a map, or the Website field to link to the website.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

To add a pause or a wait to an existing Contact:

- 1. From the Home screen, touch Contacts, and then touch the name or number to open the Contact.
- 2. Touch Delia Edit to edit.
- 3. Touch the phone number field.
- Touch the screen at the position where the pause or wait needs to be added.
- 5. Touch sym .
- 6. Touch Pause(,) to add a two-second pause or touch Wait(;) to add a wait, and use the keypad to enter the additional numbers. A pause is displayed as a comma (,) and a wait is displayed as a semi-colon (;).
- Touch Save to save your changes or touch Cancel to discard.

Updating Contacts

To update an existing contact:

- Touch Contacts.
- Touch a contact in the Contacts list to view its information.
- Touch Edit.
- Continue entering contact information. For more information, refer to "Adding a New Contact" on page 45.

Using Contacts

Dialing or Messaging from Address Book

Once you have stored phone numbers in the Address Book, you can dial them easily and quickly by either using their SIM card location number or by using the Search field to locate the entry.

You can also send messages from the Address book.

Finding an Address Book Entry

You can store phone numbers and their corresponding names onto your SIM card and phone's onboard memory. The two locations are physically separate but are used as a single entity, called the Address Book.

Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

- **1.** From the Home screen, touch **Q** Contacts.
- Within the Contacts list (sorted alphabetically), touch a letter on the right side of the display to quickly jump to the contacts beginning with that letter.
- 3. Touch the contact you want to call or message.

 Touch the phone icon to make a phone call or touch the message icon to send a message.



For more information, refer to "Creating and Sending Messages" on page 74.

Tip: From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

Linking Contacts

Linking Contact Information

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

This device can synchronize with multiple accounts such as Facebook, Twitter, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) 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 Yahoo! chat account, when you merge these accounts into your Contacts list you can link all of her entries and view the information in one record.

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

For more information about synchronizing accounts, see "Synchronizing Accounts" on page 50.

- From the Home screen, touch Contacts.
- Touch a contact in the Contacts list to view its information.
- Touch Menu → Link contact.
 The contact list displays.

Note: Only contacts stored on your device can be linked.

Touch the contact you want to link to the first contact.
 Typically this is the same contact with a different name or account information.

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

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

Unlinking a Contact

- 1. From the Home screen, touch [2] Contacts.
- Touch a contact name (the account name from which you want to unlink an entry).
- 3. Touch the link icon under the **Connection** bar.
- 4. Touch — Separate → OK to separate a linked contact. The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the "default" number or entry.

- 1. From the Home screen, touch [2] Contacts.
- 2. Touch a Contact name.
- To change the default contact, touch the radio button next to the entry that you want to be the default. The radio button turns green.
- 5. Touch Done.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After

determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

- From the Home screen, touch Contacts.
- Touch Menu → Settings → Accounts.
 If you have previously added any accounts, the Sync settings prompt displays with your current accounts listed.
- 3. Touch an account that you would like to synchronize.
- At the Sync settings screen, touch the options that you would like to synchronize for that account.
- Touch Sync now to synchronize the account. The account is synchronized.
- **6.** Touch **Sack** to return to the Contacts list.

Note: You can also synchronize your accounts using the Settings menu. For more information, refer to "Synchronizing Accounts" on page 179.

Address Book Options

You can access Address Book options while at the main Contacts page or while in the details page for a specific entry.

General Contact Options

- From the Home screen, touch ☐ Contacts →
 Menu.
- 2. The following options are displayed:
 - Delete: Delete one or more of your contacts.
 - SIM Management: Copy contacts from your phone to your SIM card or from your SIM card to your phone. You can also delete contacts from your SIM.
 - Import/Export: Move contacts to or from your memory card or USB storage.
 - **Share namecard via**: Send the contact's information via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.
 - Accounts: Add and manage your Samsung, ChatON, Google, LDAP (Lightweight Directory Access Protocol), and Microsoft Exchange ActiveSync accounts. Touch Add account and then follow the on-screen instructions.

- Speed dial setting: Set up speed-dialing. For more information, refer to "Making a Call Using Speed Dial" on page 61.
- Send message/email: Send a text or message.
- Contacts to display: You can choose to display all of your
 contacts or only display contacts on your Phone, SIM, or
 contacts stored to other accounts. You can also touch
 Customized list to change other options on how your contacts
 are displayed.

Settings

- Only contacts with phones: Only display contacts that have phone numbers.
- List by: Sort contacts by First name or Last name.
- Display contacts by: Sort contacts by First name or Last name first.
- **Service numbers**: Display or edit your service numbers.
- Contact sharing settings: Send all or individual contacts by way of Bluetooth in the form of namecards.
- AT&T Address Book: Access the AT&T Address Book so you can sync your contacts.

Individual Contact Options

- 1. From the Home screen, touch [2] Contacts.
- 2. Touch a contact and at the contact's display screen,
- 3. The following options are displayed:
 - History: View the phone and message history for the contact.
 - **Edit**: Change the contact's information. For more information, refer to "*Updating Contacts*" on page 47.
 - **Delete**: Delete the contact from your Address Book.
 - Link contact: Link the contact with other contacts.
 - Separate contact: Separate contacts that have been linked.
 This option only appears if the contact has been linked.
 - Mark as default: When you have multiple contacts linked together, you can mark one of them as default (only displays when contact is saved to the phone). For more information, refer to "Marking a Contact as Default" on page 50.

- Assign speed dial: Assign this contact to your speed dial list.
 For more information, refer to "Making a Call Using Speed Dial" on page 61.
- Share namecard via: Send the contact's information using Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.
- Add to/Remove from reject list: Add or remove the contact from your reject list. If they call while being on the reject list, the call will be sent directly to voice mail.
- Add shortcut to home: Place a shortcut for this contact on your Home screen.

Groups

Creating a New Group

- From the Home screen, touch Contacts →
 Groups → Menu → Create.
- Touch the Group name field and use the on-screen keyboard to enter a new group name. For more information, refer to "Entering Text" on page 37.
- Touch Group ringtone to choose a ringtone for assignment to this new group. Touch a ringtone to hear how it sounds, then touch OK.
 - or -

Touch Add to select a ringtone from your music files.

- Touch Message alert to choose an alert tone for assignment to this new group, then touch OK.
- Touch Vibration pattern to choose a vibration audio file for assignment to this new group, then touch OK.
 - or —

Touch **Create** and follow the on-screen instructions to create your own vibration pattern.

- **6.** Touch **Add member** to add contacts to the new group.
- Touch each contact you want to add to create a check mark. You can also touch Select all.
- 8. Touch Done.
- 9. Touch Save to save the new Group category.

Adding a Contact to a Group

- 1. From the Home screen, touch [2] Contacts.
- Touch and hold a contact that you would like to add to a group.
- 3. Touch Add to group.
- 4. Touch a group entry.
- 5. Touch Save.

The contact is added to the group.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

- From the Home screen, touch Contacts → Groups.
- 2. Touch a group entry.
- 3. Touch Menu → Edit group.
- Make modifications to the Group name, Group ringtone, Message alert, or Vibration pattern fields.
- Touch Add member to add more contacts to this group. Touch Done.
- 6. Touch Save to save the edited Group category.

Removing a Contact From a Group

- From the Home screen, touch Contacts → Groups.
- 2. Touch a group entry.
- 3. Touch Menu → Remove member.
- Touch all of the contacts you want to remove from this group. A green check mark displays next to their name.
- 5. Touch Done.

The contacts are now removed from the group.

Favorites

Once you have created contact entries, you can add them to vour Favorites list.

To view your Favorites list:

■ From the Home screen, touch Contacts → Favorites.

Adding Favorites

- 1. From the Home screen, touch [1] Contacts.
- Within the Contacts list, touch and hold a contact that you want to add to your favorites list.
- 3. Touch Add to favorites on the displayed list.
- A gold star will appear next to the contact in the Contacts list.

Removing Favorites

- 1. From the Home screen, touch [2] Contacts.
- Within the Contacts list, touch and hold a contact that you want to remove from your favorites list. Contacts in your Favorites list will have a gold star.
- 3. Touch Remove from favorites on the displayed list.
- The gold star will no longer appear next to the contact in the Contacts list

Managing Address Book Contacts

You can copy, delete, and view the memory status for the Phone and SIM contacts on your phone.

Copying Contacts to the SIM Card

Note: When storing an Address Book entry into the SIM card, only the name, phone number, and email address are available as fields. Also, if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

- From the Home screen, touch Contacts → Menu → SIM Management.
- Touch Copy contacts to SIM.
 The phone then displays a list of your current phone contacts.
- Touch the contacts to place a check mark adjacent to those entries you want to have copied to the SIM card.
 - Repeat this step for all individual entries you want copied to the SIM or touch Select all to place a check mark beside all entries.
- 4. Touch Done to copy.
- At the Copy to SIM display, touch OK.The selected Contacts are copied to the SIM card.

Copying Contacts to the Phone

- From the Home screen, touch

 Contacts →
 Menu → SIM Management.
- 2. Touch Copy contacts from SIM.
- At the Create contact under account prompt, touch on Device or an account name to which you would like to copy the contact.

The phone then displays a list of your current contacts stored on your SIM card.

- Touch the contacts to place a check mark adjacent to those entries you want to have copied to your phone.
 - Repeat this step for all individual entries you want copied to your phone or touch **Select all** to place a check mark beside all entries
- Touch Done to copy.The selected numbers are copied.

Deleting Contacts from the SIM Card

- From the Home screen, touch ☐ Contacts →
 Menu → SIM Management.
- Touch Delete contacts from SIM.
 The phone then displays a list of your current SIM contacts.
- Touch the contacts to place a check mark adjacent to those entries you want to have deleted from the SIM card.
 - Repeat this step for all individual entries you want copied to the SIM or touch Select all to place a check mark beside all entries.
- Touch Delete.
- At the Delete contacts from SIM prompt, touch OK.The selected numbers are deleted from the SIM card.

Deleting Contact Entries from the Phone

You can delete Phone or SIM entries from your phone's memory.

- 1. From the Home screen, touch <a>L Contacts.
- Within the Contacts list, touch and hold a contact that you want to delete.
- 3. Touch Delete on the displayed list.
- At the Delete prompt, touch OK to delete the contact or Cancel to exit.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

- From the Home screen, touch Contacts → Menu → Settings.
- 2. Touch Service numbers.
- **3.** Scroll through the available numbers (if available).
- 4. Touch a number to make the call.

Note: This menu is available only when your SIM card supports Service Dialing Numbers.

Section 4: Call Functions

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

For more information, refer to "Call Settings" on page 162.

Displaying Your Phone Number

From a Home screen, touch Apps → Settings
 → About device → Status.
 Your phone number displays in the My phone number field

Making a Call

- From a Home screen, touch Phone and use the on-screen keypad to enter the number you want to dial.
- 2. Touch Call to make the call.

Note: When you activate the Auto redial option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, see Auto redial on page 163.

Making an International Call

- 1. From a Home screen, touch Phone, then touch and hold The + character appears.
- 2. Use the on-screen keypad to enter the country code, area code, and phone number.

Tip: If you make a mistake, touch a until the desired numbers have been deleted.

3. Touch Call to make the call.

Manual Pause Dialing

To manually call a number with pauses without storing them in your Contacts list:

- 1. From a Home screen, touch Phone and use the on-screen keypad to enter the phone number.
- 2. Touch **Menu** to display the dialer sub-menu.
- Touch Add 3-sec pause to add a three second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than three seconds by entering multiple three second pauses.

- Select Add wait to add a wait. A wait will pause the calling sequence until you enter a number or touch a key.
- 5. Touch Call to make the call.

For more information, refer to "Adding Pauses to Contact Numbers" on page 46.

Correcting an Entered Number

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

- After entering a number using the keypad:
 - If you make a mistake, touch 💌 to erase a single character.
 - \bullet Press and hold $\hfill \hfill$ to erase the entire string of numbers.

Ending a Call

To end a call:

Touch the End call key.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Address Book, the associated name is also displayed.

- **1.** From the Home screen, touch **Q Phone**.
- 2. Touch Cops Logs.

A list of recent calls displays.

3. Touch the desired Contact to enter the **Details** page, then touch **Call** to make a call.

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

- Touch Emergency call from the on-screen display to make an emergency call.
- Enter 9-1-1 and touch Call. Complete your call.
 During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
- 3. Touch and call to exit this calling mode.

Making an Emergency Call with a SIM Card

The Emergency calling mode makes redialing an emergency number a 1-touch process. Before you can resume normal calling operations, you should first exit this mode.

- 1. From a Home screen, touch **Q** Phone.
- 2. Enter the emergency number (example: 911) and then touch Call.
- Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

Note: This mode can drain your battery power more rapidly than normal calling mode.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

- 1. From the Home screen, touch (2.1) Contacts to display your Contacts List.
- Touch Menu to display the Contacts List submenu.
- 3. Touch Speed dial setting.

The **Speed dial setting** screen displays showing the numbers 1 through 100. The number 1 is reserved for Voicemail.

- Touch an unused number.
 The Select contact screen displays.
- Touch a contact to assign to the number.The selected contact displays in the speed dial number box.

To remove a speed dial number or change the order:

- 1. From the Speed dial setting screen, touch | Menu.
- 2. In the pop-up menu, touch **Change order** or **Remove**.

To make a call using Speed Dial:

- 1. Touch Phone.
- 2. Touch Keypad, if necessary.
- From the on-screen keypad, touch and hold the speed dial number.

If the speed dial number is more than 1 digit long, enter the first digits, then hold the last digit.

Making a Call from the Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Address Book**.

For further details about the **Address Book** feature, see "Finding an Address Book Entry" on page 47.

Answering a Call

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

- 1. At the incoming call screen:
 - To answer the call, touch and drag (in any direction
 - To reject the call and send it to your voicemail, touch and drag (6) in any direction.
 - To send a predefined text message to the caller, touch and drag the Reject call with message tab upward and touch one of the following messages:
 - I'm driving
 - I'm at the movie theater
 - I'm in class
 - I'm in a meeting
 - Sorry, I'm busy. Call back later.
 - or -
 - Touch **Create new message** to compose a new message.
- 2. To end the call, touch End call.

Note: You can answer a call while using Contacts or other menu feature. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From a Home screen or the Apps menu, you have the option to access the Dialer and initiate a call:

■ Touch Phone → Keypad, if necessary.

From the Dialer and the Contacts screen, the following tabs are located at the top of your screen:

- Keypad: Dial the current number entered using the on-screen keypad.
- Logs: Display a list of all dialed, received, and missed calls.
- Favorites: Display your contacts that you have marked as Favorites.
- Contacts: Takes you to your Contacts where you can select a contact to call.

After you begin to enter numbers, the **Add to Contacts** option appears so you can save the Contact, if needed.

Call Log

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

- 1. From a Home screen, touch **Q** Phone.
- 2. Touch Logs.

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

All calls made, received, and missed are listed. Types of calls are identified by the following icons:

Incoming Calls:



Outgoing Calls:



Missed Calls:



Rejected Calls:



Auto Rejected Calls:



Calling or Messaging a Missed Call

To call back a missed call number:

- From a Home screen, touch Phone → Logs.
 A list of recent calls displays. If the number or caller is listed in your Contacts, the associated name displays.
- 2. Swipe the desired missed call to the right to call.
 - or -

Swipe the desired missed call to the left to message.

For more information, refer to "Creating and Sending Messages" on page 74.

Saving a Recent Call to Your Contacts

- From a Home screen, touch Phone → Logs.
 A list of recent calls displays.
- 2. Touch the call you want to save to your Contacts.
 The call detail page is displayed.
- Touch Create contact to add the call to your Contacts.The Create contact screen displays.

- or -

If you want to replace the number for an existing contact, touch **Update existing**.

- **4.** Enter information into the various fields using the keyboard.
- 5. Touch Save to save when you are finished.

For further details about the Contacts feature, see "Adding a New Contact" on page 45.

Deleting a Call Log Entry

- From a Home screen, touch Phone → Logs.
 A list of recent calls displays.
- Touch and hold the call you want to delete from the Call log.
- Touch Delete.
- At the Delete log prompt, touch Delete.
 The call is deleted from the Call log.

Adding a Call to the Reject List

- From a Home screen, touch Phone → Logs.
 A list of recent calls displays.
- 2. Touch and hold the call you want to add to the Reject List.
- Touch Add to reject list.
- At the Add to reject list prompt, touch OK.
 Future calls from this number will be rejected and sent to your voicemail.

Tip: Once a number has been added to the Reject list, Remove from reject list displays and can be used to remove the number.

Call Duration

- 1. From a Home screen, touch \P Phone $\rightarrow \P$ Logs.
- 2. Touch Menu → Call duration.
- 3. The following times are displayed for Voice and Data:
 - Last call: Displays the length of time for the last call.
 - **Dialed calls**: Displays the total length of time for all calls made.
 - Received calls: Displays the total length of time for all calls received
 - All calls: Displays the total length of time for all calls made and received.

To reset these times to zero:

■ From the Call duration screen, touch | ■ Menu → Reset

Options During a Call

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

Adjusting the Call Volume

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

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

- or -

Quickly add more volume to the incoming audio by touching the on-screen **Extra volume** button .

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

In-Call Options

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

- . Hold: Place the current active call on hold.
- Add call: Display the dialer so you can call another person.
- Keypad: Display the on-screen keypad, where you can enter a number using DTMF (Dual Tone Multi-Frequency).
- End call: Terminate the call.
- Speaker: Route the phone's audio through either the speaker or through the earpiece.

- Touch Speaker to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line appears under the Speaker button.
- Touch Speaker again to use the phone's earpiece (see "Using the Speakerphone During an Active Call" on page 70). The green line disappears when Speaker is not activated.
- Mute/Unmute: Turn the onboard microphone either on or off.
 - Touch Mute during a call to mute the microphone. A green line appears under the Mute button.
 - Touch Mute again to unmute the microphone. The green line disappears when Mute is not activated.
- Headset: Connect to a Bluetooth headset.
 - Touch Headset during a call to activate a Bluetooth headset. A green line appears under the Headset button.
 - Touch Headset again to de-activate the Bluetooth headset. The green line disappears when the Headset is not activated.
- Touch **Menu** for more options:
 - Contacts: Go to your Contact list.
 - Memo: Write a memo.
 - Message: Write a message during a call.

Personalizing the Call Sound Setting

During a call, it may be necessary to adjust the sound of the incoming call by selecting an audio equalizer setting for the current call.

- From the call screen, touch to enable the feature.
 displays when the feature is enabled.
- Select an available option. Choose from: Off, Soft sound, Clear sound, Adapt Sound Left, and Adapt Sound right.

Activating Noise Reduction

During a call it may be necessary to activate the noise reduction feature. Activating this feature can improve the quality of your conversation by reducing ambient noise. Noise reduction in on by default.

- To turn Noise reduction off, touch
- 2. To turn Noise reduction on, touch 🞠 .

Placing a Call on Hold

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

- 1. While on a call, touch II Hold. This action places the current caller on hold.
- 2. To reactivate this call, touch > Unhold.

Making a New Call During a Call in Progress

- 1. Touch II Hold Hold.
- 2. Touch Add call to display the dialer.
- Enter the new number and touch Call.
 Once connected, the active call appears in a large box at the top of your screen and the call on hold appears in a smaller box in the middle of your screen.

Switching Between Calls

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

1. Touch Swap.

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

2. Touch Call to end the currently active call.

Ending a Specific Call

- Touch Swap until the call you want to end appears in a green box.
- 2. Touch End call to end the specific call.
- 3. Touch A End call to end the remaining call.

Answering a Call During a Call in Progress

You can answer another call while you have a call in progress if you have activated the Call waiting feature. Otherwise, the other call goes to your Voicemail box. For more information, refer to "Additional Settings" on page 163.

To answer another call:

- 1. Touch (and slide to the right.
- Touch Putting "Name/Number" on hold to put the first call on hold.

- or -

Touch **Ending call with "Name/Number"** to end the first call.

- To switch between the two calls, touch Swap.
 Swap places the current call on hold and then activates the previous call. The active call appears in a green box.
- 4. Touch Swap again to switch back.

Ending a Call On Hold

- Touch End call to disconnect the active call.
 The call on hold becomes the active call.
- 2. Touch General End call to end the remaining call.

3-Way Calling (Multi-Party Calling)

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

Note: The Merge option combines all of the calls you have established with your phone (both active and on hold).

Swap places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

- 1. To answer the call, touch (and slide to the right.
- 2. To answer the next call, touch () and slide to the right.
- Touch Putting "Name/Number" on hold to put the first call on hold.
- 4. To join the first two callers into a single multi-party call, touch Amerge.
- 5. To temporarily leave the conference call, touch II Hold Hold.
- 6. To rejoin the conference call, touch > Unhold.
- 7. Touch Call to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

- 1. Touch Speaker.
 - The **Speaker** button now appears as and the speakerphone is activated.
- Use the Volume keys (located on the left side of your phone) to adjust the volume.

Important! For more information, refer to "Responsible Listening" on page 207.

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You want to say something to someone in the room, but do not want the person on the phone to hear you.

Muting Your Phone During a Call

To mute your phone during a call:

- 1. Touch Mute.
 - The **Mute** button now appears as and Mute is activated.
- 2. Touch Mute to deactivate the Mute function and reactivate the microphone.

Bluetooth Headset

- 1. Touch <u>Headset.</u>
- **2.** The phone will scan for your Bluetooth headset. When found, connect to the headset.
- 3. Touch Headset to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Contacts

- During an active call, touch Menu then touch Contacts.
- 2. Touch the Contacts entry.

For more information, refer to "Dialing or Messaging from Address Book" on page 47.

Call Waiting

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network.

To activate the Call Waiting feature:

From the Home screen, touch Phone →
 Menu → Call settings → Additional settings
 →Call waiting.

You are notified of an incoming call by a call waiting tone.

Call Forwarding

To select when to forward incoming calls:

- From the Home screen, touch Phone →
 Menu → Call settings → Additional settings →
 Call forwarding.
- 2. Touch one of the following options:
 - Always forward: Forward all voice calls.
 - Forward when busy: Forward voice calls to a designated number instead of your voicemail number, if you are on another phone call.
 - Forward when unanswered: Forward voice calls to a
 designated number instead of your voicemail number when
 there is no answer on your phone. You can also select the
 amount of time that the phone delays before forwarding.
 - Forward when unreachable: Forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

Call Settings

To access the Call settings menu:

- From a Home screen, touch \P Phone $\rightarrow \blacksquare$ Menu
 - → Call settings.
 - or -
- From a Home screen, touch \blacksquare Apps \rightarrow @ Settings
 - \rightarrow My device \rightarrow Call.

For detailed information on all of the call settings, see "Call Settings" on page 162.

Section 5: Messaging

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

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- AT&T Messages
- Hangouts
- Google+ and Messenger Messages
- ChatON

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 and indicate when messages are received and their type. For more information, refer to "Indicator Icons" on page 21.

Creating and Sending Messages

- From the main Home screen, touch Messaging → Compose.
- Touch the Enter recipient field to manually enter a recipient or touch to select a recipient from your Contacts. You can also select the recipient based on Groups, Favorites, or Logs.
- If adding a recipient from your Contacts, touch the contact to place a check mark then touch **Done**.The contact will be placed in the recipient field.

Note: For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

Note: Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure.

- Touch the Enter message field and use the on-screen keyboard to enter a message. For more information, refer to "Entering Text" on page 37.
- 5. To add more recipients, touch the recipient field.
- 6. Review your message and touch 💻 Send.

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Message Options

Options Before Composing a Message

- From the main Home screen, touch Messaging.
- 2. Before composing a message, touch | Menu to reveal additional messaging options:
 - Search: Search through all of your messages for a certain word or string of words. Enter a search string in the Messaging Search window then touch
 on the keyboard.
 - Delete threads: Delete any message thread. Select the messages to delete and a green check mark will appear next to the message. Touch Delete.
 - Draft messages: Display the draft messages folder and its contents.
 - Locked messages: Display the locked messages folder and its contents.
 - Scheduled messages: Display the scheduled messages folder and its contents.
 - Spam messages: Display the spam messages folder and its contents.
 - Settings: Access Messaging settings. For more information, refer to "Messaging Settings" on page 78.

Options While Composing a Message

1. While composing a message, touch Menu to reveal additional messaging options.

Note: Available options will slightly differ between new messages and messages composed within a thread.

- Insert smiley: Add emoticons, such as a happy face, to your message.
- Add text: Copy text from your contacts, calendar, or from a memo to add to your message. This is a convenient feature for adding names, phone numbers, events, and so on, to your message.
- Add to contacts: Add the recipient to your Contacts list. This
 option only appears if the recipient is not already in your
 Contacts list.
- View contact: See information on the recipient. This option only appears if the recipient is in your Contacts list.
- Add slide: Add a new page to a message.
- Remove slide: Remove a recently added page from a message.
- Add recipients: Add more recipients.

- **Scheduling**: Assign the current message for scheduled delivery at a designated time.
- Add to spam numbers: Display the spam messages folder and its contents.
- **Discard**: Delete the current message.
- Translate: Launch a Translate popup menu. Here you can both assign the sender's original language and assign a target language for the recipient (they will receive your message in the designated language). Other options include, Check Incoming messages only, and Include original text in outgoing message.
 Touch to create a check mark

Adding Attachments to a Message

To add an attachment to your message, touch **Attach** and select one of the following options: Image, Take a picture, and so on.

Viewing New Received Messages

- 1. When you receive a new message, the new message icon displays at the top of your screen.
- Open the Notification panel and select the message.
 For more information, refer to "Notification Panel Functions" on page 35.

— or —

From the main Home screen, touch $\begin{cal}{c}$ Messaging and then touch the new message to view it.

The selected message appears in the display.

- To play a multimedia message, touch .
 To pause playback of the multimedia message, touch .
- To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

Message Threads

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

To access message thread options:

- From the main Messaging screen, touch and hold the message to display the following options:
 - View contact: Display the Contact's Overview page.
 - Add to contacts: Add a new number to your Contacts list. This
 option is only displayed if the number in not already in your
 Contacts list.
 - **Delete thread**: Delete the currently selected message thread.
 - Add to spam numbers: Add the current sender to a spam list.
 Any new texts from this sender are automatically blocked.

To access additional Bubble options:

- Touch and hold the message bubble within an active message conversation to display the following options:
 - Delete message: Delete any currently selected message bubble from the thread.
 - Copy message text: Copy the currently selected message bubble from the thread.
 - Lock/Unlock message: Lock or unlock the currently selected message bubble from being accidentally deleted.
 - **Forward**: Forward the currently selected message bubble to an external recipient.
 - **Share**: Share this message with AT&T Messages, a Bluetooth device, Gmail, and so on.
 - Copy to SIM: Copy the currently selected message bubble as a single text message within the SIM card.
 - View message details: Display details for the currently selected message bubble.
 - Translate: Translate the text from the currently selected bubble into a desired language.

Deleting Messages

To delete a single message thread:

- 1. From the main Home screen, touch $\begin{subarray}{c} \end{subarray}$ Messaging.
- 2. Touch and hold a message, then touch Delete thread.
- At the Delete prompt, touch OK to delete or Cancel to cancel.

To delete multiple message threads:

- 1. From the main Home screen, touch Ressaging.
- 2. Touch Menu → Delete threads.
- Touch each message you want to delete.
 A check mark appears beside each message you select.
- 4. Touch Delete.
- At the Delete prompt, touch OK to delete or Cancel to cancel.

Message Search

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

- 1. From the main Home screen, touch Messaging.
- 2. Touch **Menu** → Search.
- 3. Use the on-screen keyboard to enter a word or phrase to search for, then touch .
- **4.** All messages that contain the search string you entered are displayed.

Messaging Settings

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

From the main Home screen, touch Messaging → Menu → Settings.

General settings, Text message (SMS) settings, Multimedia message (MMS) settings, Display, Push message settings, Cell Broadcast (CB) settings, Notification settings, Emergency message settings, Signature settings, and Spam message settings are listed Options are described on the screen.

Touch the check box to create a check mark , which indicates that an option is enabled. Checking some options causes other options to become available to set.

Touch (>) to set some options.

Touch other options, such as Emergency alerts, to display additional instructions for setting the option.

Touch **■ Menu** → **Restore default settings** to restore all Messaging settings to their original state.

Emergency Alerts

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS) which may also be known as the Personal Localized Alerting Network (PLAN). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Emergency Alerts allows customers to receive geographically-targeted messages. Alert messages are provided by the US Department of Homeland Security and will alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert message.

There are three types of Emergency Alerts:

- · Alerts issued by the President
- Alerts involving imminent threats to safety of life (Extreme and Severe)
- AMBER Alerts (missing child alert)

Customers may choose not to receive Imminent Threats (Extreme and Severe) and AMBER Alerts. Alerts issued by the President cannot be disabled. To disable Imminent Threats. and AMBER Alerts, follow the instructions below:

- 1. From the main Home screen, touch $\[\]$ Messaging.
- Touch **Menu** → **Settings**.
- Scroll downward and touch Emergency alerts.
- All alerts are enabled by default (check mark showing). Touch an alert option to disable the alert and remove the check mark.

Email

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.

Creating an Email Account

- From the Home screen, touch Fmail.
 The Set up email screen displays.
- 2. Enter your email address in the Email address field.
- 3. Enter your password in the Password field.
- If you want to see your password as it is being typed, touch Show password to create a check mark.
- 5. Touch Next.
- At the Account options screen, review and configure the settings.
- Touch Next.
- Enter a name for this email account (optional).
- Touch Done.

Creating a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

- From the Home screen, touch Femail.
 The Set up email screen displays.

 For more information, refer to "Creating an Email Account" on page 80.
- Touch Manual setup.
- 3. Touch the Microsoft Exchange ActiveSync field.
- Enter all the Exchange server information, Domain, User name and Password, then touch Next.
- At the Activation prompt, touch OK.The Account options screen displays.
- Enter the desired information in the different fields, then touch Next.
- Enter an Account name for this account (Optional) and touch **Done**.
 - Wait for the Inbox to synchronize before use.
- Touch Menu → Settings to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

- From the Home screen, touch Email.
 Your Email screen displays showing your emails from the active account.
- Touch Menu → Settings.
- 3. Touch Add account to add another email account.
- Enter the information required to set up another account.

Touch **Send email from this account by default** if you want to enable the option. Touch the check box to create a check mark

For more information, refer to "Creating an Email Account" on page 80.

Switching Between Email Accounts

- From the Home screen, touch Final Email.
 Your Email screen displays showing your emails from the active account.
- 2. Touch **Solution Inbox** at the top of the screen. Your Email accounts screen displays.
- Touch the Email account Inbox you would like to switch to. You can also select Combined inbox which will display email messages from all accounts.
- 4. The new Email account displays.

Gmail

Send and receive email with Gmail, Google's web-based email

To access Gmail:

■ From a Home screen, touch \blacksquare Apps \rightarrow \blacksquare Gmail.

Setting Up Your Gmail Account

Note: You must sign in to your Gmail account in order to access Gmail.

- Sign on to your Google account if you are not already signed on. For more information, refer to "Creating a New Google Account" on page 15.
- 2. Touch Mail.
- Follow the on-screen instructions.The Inbox loads conversations and email.

Refreshing Your Gmail Account

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

- 1. Touch Mail.
- 2. In the Application Bar, touch \$\infty\$ Refresh.

Gmail Settings

Use the Gmail Settings to configure your Gmail preferences.

- 1. Touch Mail.
- Touch Menu → Settings for settings.

Tip: Touch \longrightarrow **Menu** \rightarrow **Help** for more information.

Composing and Sending Gmail

- 1. Touch MG Gmail.
- Touch compose, then touch fields to compose the message. While composing a message, touch
 Menu for options.
- 3. Touch > SEND to send this message
 - or -

Touch **■ Menu** → Save draft to save a draft of this message.

Hangouts

Hangouts is a free Windows and web-based application for instant messaging offered by Google. You can connect with your friends across computers and various Android devices. You can have conversations or video calls with up to 10 friends.

Note: The first time you use Hangouts, you will need to download the updated application from the Play Store. When the Play Store page displays, touch **Update**. For more information, refer to "Play Store" on page 132.

- Log on to your Google account if you have not already done so. For more information, refer to "Setting Up Your Gmail Account" on page 82.
- 2. From a Home screen, touch \bigoplus Apps \rightarrow
 - Hangouts.
- The first time you access Hangouts, touch Confirm to confirm your mobile number. If the number is not correct, touch Edit Number to change it.
- 4. Begin using Hangouts.

 Touch Menu → Help for more information on using Hangouts.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

- Sign in to your Google account. For more information, refer to "Setting Up Your Gmail Account" on page 82.
- 2. From a Home screen, touch **Apps** → **Google+**.
- 3. Follow the on-screen instructions to use Google+.
- Touch Menu → Settings to configure your Google+ preferences.
- Touch Menu → Help to display additional help information.
 - or -

Visit www.google.com/mobile/+/ for more information.

Messenger

With Google Messenger, you can bring groups of friends together into a simple group conversation, putting everyone on the same page. When you get a new conversation in Messenger, Google+ sends an update to your device.

To get started:

- 1. From a Home screen, touch **Apps**
 - → Messenger.

The Messenger screen displays.

Touch Learn more in the center of the screen and then touch a topic to learn more about using Google Messenger.

Messages

AT&T Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer.

- From a Home screen, touch Apps → Messages.
- Sign in to your Google account if you are not already signed in. For more information, refer to "Setting Up Your Gmail Account" on page 82.

Note: The first time you use the Messages app, download the updated application from the Play Store. When the Play Store page displays, touch Update → ACCEPT → Open. For more information, refer to "Play Store" on page 132.

Follow the on-screen instructions to use the Messages app.

ChatON

Provides a global mobile communication service where you can chat with more than 2 buddies via a group chat. Share things such as pictures, videos, animation messages (Scribbles), audio, Contacts, Calendar entries, and Location information.

For more information, visit: https://web.samsungchaton.com.

- From a Home screen, touch Apps → ChatON.
 If you are launching this application for the first time, follow the on-screen instructions to complete the account setup.
- 2. Enter and send your message.

Section 6: Pictures and Videos

This section explains features related to the use of the camera and camcorder on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 8 megapixel 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.

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 touching the Camera key.

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

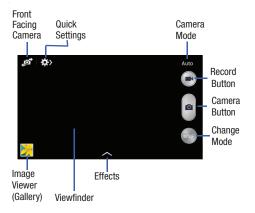
- From a Home screen, touch Camera to activate the camera mode.
- 2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
- Before you take a picture, use the Up and Down Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).
 - or –

Use two fingers to make an inward pinch motion on the screen to zoom out or an outward motion by sweeping your fingers out to zoom in.

 If desired, before taking the photo, you can touch on-screen icons to access various camera options and settings.

- **5.** You can also touch the screen to move the focus to the area you touch.
- Touch the Camera button (until the shutter sounds.

The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the Phone



- While viewing a picture, after you have taken it, pinch the screen outwards to zoom in or pinch the screen inwards to zoom out.
- You can magnify the picture up to x4.

 8. Touch Back to return to the viewfinder.

Camera Modes

There are many different camera modes that you can use to help optimize your photos depending on the conditions and your experience.

- $\textbf{1.} \quad \text{From the camera viewfinder, touch the Mode button} \\$
 - to change the mode to one of the following:
 - Auto: Automatically adjusts your camera to optimize color and brightness. This is the default setting.
 - Beauty face: Use this to take photos with lightened faces for gentler images.
 - Best photo: Use this to take multiple photos in a short time, and then choose the best photos among them. Touch the Camera button to take multiple photos. When Gallery opens, touch and hold thumbnails of photos to save, and then touch Done.

- Continuous shot: Use this to take pictures continuously at a rate of 3 per second. You can take up to 20 continuous pictures at a time.
- Best face: Use this to take multiple group shots at the same time and combine them to create the best possible image.
 Touch the Camera button to take multiple photos. When Gallery opens, touch the yellow frame on each face, and choose the best individual face for the subject. After choosing a pose for each individual, touch Done to merge the images into a single photo, and touch Save.
- Sound & shot: Use this mode to enrich pictures by adding background sounds for a few seconds. The background sound is recorded for up to 9 seconds after taking the photo.
- Rich tone (HDR): Use this to take photos with richer colors and contrasts.
- Panorama: Use this to take wide panoramic photos. Touch the
 Camera button to take a photo, and then move the camera in
 any direction. When the blue frame aligns with the preview
 screen, the camera automatically takes another shot in the
 panoramic sequence. To stop shooting, touch the Camera
 button again.

- **Sports**: Use this to take fast action photos.
- Night: Use this to take photos in low-light conditions, without using the flash. Touch the Camera button to take multiple photos. Photos are automatically merged into a single photo.

Quick Settings

Touch (**) at the top of the display to quickly change Camera settings. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.



Configure Camera settings.



Activate or deactivate the flash.



Activate or deactivate the voice control to take photos.



Set a timer.



Select a resolution for videos.



Activate or deactivate the sharing options.



Hide Quick settings.

Camera and Camcorder Settings

This section describes the different settings that you can configure on your camera. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

- From the viewfinder, touch ♠> Quick Settings →
 Camera Settings.
- The follow settings are located under the Camera, Camcorder, and General tabs. The settings that are displayed will depend on what camera mode you are in.

Camera:

- Photo size: Select a resolution for photos. Use higher resolution for higher quality. Higher resolution photos take up more memory.
- Face detection: Adjust the camera focus based on face detection technology.
- Metering: Set how the camera measures or meters the light source: Center-weighted, Matrix, or Spot.

- ISO: Determine how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.
- Anti-Shake: Compensate for camera movement.
- Save as: Assign rich tone usage to an image.

Camcorder:

 Video size: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.

Settings:

- GPS tag: Attach a GPS location tag to the photo. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions. Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- Review: Set this option if you want to view each picture after you take it. Select a time value.

- Volume key: Assign a function to the volume key. Choose from The zoom key, The camera key, or The record key.
- Timer: Use this for delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.
- White balance: Select an appropriate white balance, so images have a true-to-life colour range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- Exposure value: Adjust the brightness level by moving the slider
- Guidelines: Display viewfinder guides to help composition when selecting subjects.
- Flash: Activate or deactivate the flash.
- **Voice control**: Activate or deactivate the voice control feature, which allows you to verbally take a photo.
- Contextual filename: Add your location as part of the filename. You must first activate GPS tag described above.
- **Storage**: Select the memory location for storage.
- Shutter sound: Turn the shutter sound on or off.
- Reset: Reset the camera settings.

Viewing Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to "Gallery" on page 92.

Editing a Photo

You can edit your photos using the built-in Photo editor application on your device. The photo editor 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.

- 1. From a Home screen, touch \blacksquare Apps \rightarrow MGallery.
- 2. Select a folder location and touch a file to open it.
- With the image displayed, touch Menu → Edit to launch the Photo editor.

Note: To select the picture area, touch and hold the picture.

- **4.** Select an image area by touching and holding the image and then selecting an available option:
 - Selection mode: Choose from several on-screen selection options such as: Select area, Inverse selection, Selection size, and Selection mode (Magnetic, Lasso, Brush, Round, and Square).
 - Select all: Select the entire area of the current image.
 - Clipboard: Copy the currently selected area to your device's clipboard.
- **5.** Use the following editor controls to edit your picture:
 - Previous: Move to previous photo project.
 - Next: Move to next photo project.
 - Rotate: Rotate a photo in all 4 directions. You can also mirror image a photo.

DRAFT - For Internal Use Only

- **Crop**: Crop (cut-out) an area of a photo.
- Color: Auto adjust color, Brightness, Contrast, Saturation, Adjust RGB, Temperature, Exposure, and Hue of a photo.
- **Effects**: Add various effects to your photo.
- Portrait: Apply various face correction effects such as: Red-eye fix, Airbrush face, Face brightness, Out-of-focus, Beauty face, Funny face, or Spot healing.
- Sticker: Place various pre-created on-screen stickers atop your current image.
- **Drawing**: Draw directly on your current picture by using either a brush/pen or eraser.
- Frame: Place a pre-created border style atop your current image.

- **6.** Touch **Menu** to access the following options:
 - Save as: Rename your current image and save it to your gallery.
 - Select image: Select a new image for editing.
 - Take picture: Activate the camera and take a new image for editing.
 - Share via: Share your saved photo via AT&T Locker, Bluetooth, ChatON, Email, Flipboard, Gmail, Google+, Group Play, Hangouts, Messaging, Picasa, S Memo, or Wi-Fi Direct.
 - Set as: Assign the currently saved image as either a Contact photo, Home and lock screens, Home screen, or Lock screen.

Using the Camcorder

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

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

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.

- From the main Home screen, touch Camera to activate the camera mode.
- Using the camera's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
- Before you take a video, use the Volume control buttons to zoom in or out. You can magnify the video up to x4 (400 percent).
- **4.** Touch the Video key () to begin shooting video. The red light will blink while recording.
- You can touch the screen to move the focus to the area you touch.

- 6. Target area.
- To capture an image from the video while recording, touch . This feature is not available while the anti-shake feature is activated.
- **8.** Touch the Pause key ((11)) to stop the recording and save the video file to your Camera folder.
- **9.** Touch the Stop key () to stop the recording and save the video file to your Camera folder.
- **10.** Once the file has been saved, touch the image viewer, then touch () to play your video.
- 11. Touch Sack to return to the viewer.

Viewing Your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video player. For more information, refer to "Gallery" on page 92. Also, see "Video" on page 141.

Gallery

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

To access the Gallery:

- Touch Apps → Gallery.
 All of the Albums that hold your pictures and videos will be displayed with folder name and number of files.
- Touch an Album. Thumbnails of the contents display.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using My Files or another file management application and try again. For more information, refer to "My Files" on page 128.

Viewing Pictures

To view pictures:

1. Touch a thumbnail to view a single picture.

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

The following options are available at the top of the screen:



Change player: Select a DLNA-enabled device.



Share via: Share the picture via Add to Dropbox, Bluetooth, ChatON, Email, Flipboard, Gmail, Google+, Group Play, Hangouts, Messaging, Picasa, S Memo, or Wi-Fi Direct.



Delete: Delete the picture.



Camera: Activate the camera.

3. Touch Menu for additional options.

Viewing Videos

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

- 1. Touch a video to select it.
- 2. Touch 🕞 to play the video.
- Touch Menu for additional options.
 For video player controls, see "Video" on page 141.

Using S Beam to Share Pictures

When this feature is activated via NFC, it allows you to beam large files directly to another compatible device that is in direct contact. For example, these large files can be Videos or HD pictures. You can beam images and videos from your gallery, music files from your Music, and more.

- 1. From a Home screen, touch \blacksquare Apps \rightarrow s Settings.
- 2. If not already active, touch the ON/OFF slider, located to the right of the NFC field, to turn NFC ON ON.
- Touch S Beam and make sure the feature is turned on.

- 4. If not already active, touch the ON/OFF slider to turn S Beam ON ON.
- On the source device, which contains the desired image or video, touch Apps → Gallery.
- Locate and touch the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.

Place the two active NFC-enabled devices back to back to begin.

Note: If the Touch to beam screen does not display on the source device:

- · Pull them apart.
- Verify the image is visible in the preview window on the source device (providing the file).
- · Place them together again.

- **8.** From the **Touch to beam** screen, touch the reduced image preview to begin the transfer.
- When prompted, separate the two devices. After a few seconds (depending on file size) the recipient with then see the transferred file displayed on their screen.

To share multiple pictures with S Beam:

- On the source device (containing the desired image or video), touch ### Apps → FM Gallery.
- 2. Locate the selected folder.
- Touch and hold the first image and place a check mark on it and all desired images.
- Place the two active NFC-enabled devices back to back to begin.
- **5.** From the **Touch to beam** screen, touch the reduced image preview to begin the transfer.
- 6. When prompted, separate the two devices.
- 7. The pictures are transferred to the other device.

Section 7: Connections

This section describes the various connections your phone can make including accessing Wi-Fi, Bluetooth, and Connecting your PC.

Wi-Fi

About Wi-Fi

Wi-Fi (short for "wireless fidelity" and sometimes referred to as wifi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

- From a Home screen, touch Apps → Settings
 Connections → Wi-Fi.
- 2. Touch the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .

Connect to a Wi-Fi Network

- From a Home screen, touch Apps → Settings
 Connections → Wi-Fi.
 - The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.
- **2.** Touch the network you want to connect to.

Note: When you select an open network, you will be automatically connected to the network.

3. Enter a wireless password if necessary.

Manually Add Your New Network Connection

- From a Home screen, touch Apps → Settings
 Connections → Wi-Fi.
- 2. Touch Add Wi-Fi network.
- Enter the Network SSID. This is the name of your Wireless Access Point.
- Touch the Security field and select a security option.
 This must match the current security setting on your target WAP.
- If secured, you will also need to enter your WAP's password.
- Touch Show advanced options, if you need to add advanced options such as Proxy settings, IP settings, or Key management.
- Touch Connect to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Turning Wi-Fi Off

- From a Home screen, touch Apps → Settings
 Connections → Wi-Fi.
- 2. Touch the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi OFF OFF .

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

- From a Home screen, touch Apps → Settings
 Connections → Wi-Fi.
- 2. Touch Scan.

All available Wi-Fi networks are displayed.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:



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



Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).



Displays when connected to another device using Wi-Fi Direct. For more information, refer to "Wi-Fi Direct" on page 98.

Wi-Fi Advanced Settings

The Advanced Wi-Fi menu allows you to set up many of your device's advanced Wi-Fi services.

- From a Home screen, touch Apps → Settings
 Connections → Wi-Fi.
- 2. Touch Menu → Advanced.

The following options are available:

- Network notification: Alerts you when a new WAP is available.
- Keep Wi-Fi on during sleep: Specify when to disconnect from Wi-Fi
- Auto connect: Automatically connect to an AT&T Wi-Fi Hotspot as soon as your phone detects it.
- MAC address: View your device's MAC address, required when connecting to some secured networks (not configurable).
- IP address: View your device's IP address.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

- From a Home screen, touch Apps → Settings
 Connections → Wi-Fi.
- 2. Touch the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .
- At the bottom of the Wi-Fi screen, touch the Wi-Fi Direct button.
- Repeat steps 1 3 on the other device you want to connect with. The steps on a different model of phone, may be different.

- On your phone, touch Scan.The device scans for other Wi-Fi Direct devices.
- Once the device you want to connect to displays, touch it.
- The other device has 2 minutes to touch Accept for the connection to be made.
- Once connected, the other device will show as Connected in your list of Wi-Fi Direct devices and the icon will display at the top of your screen.
- 9. For additional information about Wi-Fi Direct, touch
 Menu → Help.

Sharing Information with Connected Device

To share Videos, Photos, or other information with the connected device, follow these steps:

- View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or My Files folder, then touch the Share, Share via, or Send via option.
- 2. Touch the Wi-Fi Direct option.
- Touch the connected device name. For example, Android_49ba.
- 4. Touch Done.
- 5. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in My Files → All files → Device storage in the ShareViaWifi folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

AT&T Smart Wi-Fi

Use AT&T Smart Wi-Fi to maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use.

- From a Home screen, touch Apps → AT&T Smart Wi-Fi.
- The first time you access AT&T Smart Wi-Fi, you will need to install it. Touch **0K** at the prompt.
- Sign on to your Google account, if you have not already done so.

The Play Store displays the **AT&T Smart Wi-Fi** application.

- 4. Touch Update.
- 5. Touch Accept & download.
- Follow the on-screen instructions to use AT&T Wi-Fi.
 For more information on how to use this application, go to www.att.com/smartwifi.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as S Beam and Android Beam. To activate NFC on your device, see "NFC" on page 154.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that is used to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

- From a Home screen, touch Apps → Settings
 Connections.

To turn Bluetooth off:

- From a Home screen, touch Apps → Settings
 Connections.
- 2. Touch the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth OFF OFF .

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

Displays when Bluetooth is active.



Þ**X**∢

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

To access the Bluetooth Settings menu:

- From a Home screen, touch Apps → Settings
 Connections.
- 2. Verify your Bluetooth is ON ...
- 3. Touch Bluetooth.

To change your Bluetooth name:

- From a Home screen, touch Apps → Settings
 → More → About device → Device name.
- Use the keyboard to modify your device name and touch OK.

To make your device visible:

- - Making your device visible allows it to be detected by other devices for pairing and communication.
- Select a time that you would like your device visibility to time-out.

To show received files:

■ From the Bluetooth settings page, touch Menu → Received files.

A list of all files received from Bluetooth displays.

To scan for Bluetooth devices:

- 1. Verify your Bluetooth is active.
- From the Bluetooth settings page, touch Scan 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.

To pair your device with another Bluetooth device:

- 1. Verify your Bluetooth is active.
- Touch Scan. Your device will display a list of discovered in-range Bluetooth devices.
- 3. Touch a device from the list to initiate pairing.
- Enter the passkey or PIN code, if needed, and touch OK.
- The external device will then have to also accept the connection and enter your device's PIN code.
 Once successfully paired to an external device, appears within 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.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Disconnecting a Paired 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 want to reconnect the device, there is no need to setup the connection information again.

- 1. Verify your Bluetooth is active.
- From the Bluetooth settings page, touch the previously paired device (from the bottom of the page).
- 3. Touch **OK** to confirm disconnection.

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 Device (Unpair)

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 your Bluetooth is active.
- From the Bluetooth settings page, touch next to the previously paired device. This opens the connected device's menu options.
- 3. Touch **Unpair** to delete the paired device.
- Touch Rename to change the name of the paired device.
- Touch Call audio to enable or disable call audio from the paired device.
- **6.** Touch **Media audio** to enable or disable media audio from the paired device.

Sending Contacts 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, and the recipient's device must be visible.

- 1. Verify your Bluetooth is active.
- 2. From the Home screen, touch [1] Contacts.
- 3. Touch Menu → Share namecard via.
- Touch each contact that you would like to send via Bluetooth. A green check mark will appear next to each entry you select.
- Touch Done.
- Touch Bluetooth.
- 7. Select the paired device to send the contacts to.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

 A Bluetooth share notification will appear in your notifications list.

PC Connections

You can connect your device to a PC using your PC data cable using various USB connection modes.

Storage: Use the onboard storage capacity of the phone to store and upload files. This option allows your computer to detect the phone as a removable storage drive.

Kies: Use Kies to manage music, movies and photos. You can also backup precious contacts and calendars, download apps and podcasts and automatically upgrade device firmware. Kies conveniently syncs your life across all your devices.

Note: To sync your device to your PC, it is highly recommended that you install Samsung Kies which is available at http://www.samsung.com/kies (for Windows/Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Connecting as a 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.

- Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
- 2. On the PC pop-up, click Open device to view files.
- 3. Copy files from the PC to the memory card.

Section 8: Applications

This section contains a description of each application that is available on the Apps screen, 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.

Note: This manual only addresses applications that have been loaded on your device as of the date of purchase. Information concerning third party applications that you may choose to download from the Google Play Store or otherwise should be obtained from the application provider directly and not from Samsung.

Updating Applications

Once you have registered your device (see "Software Update" on page 178) and signed into your Google account (see "Setting Up Your Gmail Account" on page 82), you may see the Updates Available notification in the Status Bar if there is a new version of one or more apps available or, when you open an application that is preloaded on your device, an Update Available message may be displayed.

To update the applications:

- On the Home screen, touch and hold the Notification Bar at the top of your screen until the pull-down displays, then drag downward.
 The Status Details display.
 - Touch **Updates available**.

 For more information, refer to "Updates to Downloaded Apps" on page 133.

GPS Applications

GPS applications allow you to achieve real-time, GPS-enabled, turn-by-turn navigation and to access local searches based on a variety of category parameters.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- · around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Global GPS turn-by-turn navigation, mapping, and Point of Interest content is available for three continents, including North America (U.S., Canada, and Mexico), Western Europe, and China, where wireless coverage is available.

Important! If you touch or cover the internal GPS antenna while using GPS services, it may impede the GPS signal resulting in the GPS services not working in an optimal manner. Refer to the following diagram to locate the approximate location of the internal GPS antenna.

Location of Internal Antennas



Accessing the Apps Screen

To access the Apps screen:

■ From a Home screen, touch **## Apps**.

Tip: To open applications quickly, add the icons of frequentlyused applications to one of the Home screens, if it is not there by default. For details, see "Creating Shortcuts" on page 30.

Amazon Kindle

Use the Amazon Kindle application to download books for reading, right on your device.

Note: You must be registered with Amazon to use the Kindle application.

From the Apps screen, touch Random Amazon Kindle.



AT&T Code Scanner allows you to scan two-dimensional (QR and datamatrix codes) and one-dimensional (UPC and EAN) barcodes found in magazines, stores, and online.

- 1. From the Apps screen, touch RT AT&T Code Scanner.
- Sign into your Google Account. If you have not set up an account, For more information, refer to "Creating a New Google Account" on page 15.
- The first time you use the AT&T Code Scanner, you will need to download the updated application from the Play Store. Touch Update AT&T Code Scanner.
- When the Play Store page displays, touch Update and follow the on-screen instructions to download the app. For more information, refer to "Play Store" on page 132.
- At the License screen, touch Agree to continue or Disagree to exit.
- At the Welcome screen, follow the on-screen instructions to use the AT&T Code Scanner.
- 7. Touch **Menu** → **Help** for additional information.

AT&T DriveMode

With the AT&T DriveMode application, you can set your phone to auto reply when you are driving and do not want to answer the phone. You can set auto reply to Messages, Emails, and Phone Calls. You can also allow up to five of your contacts to contact you while you are in Drive mode.

- From the Apps screen, touch AT&T DriveMode.
 The AT&T DriveMode screen displays.
- Read the Terms and Conditions and Privacy Policy and touch I Accept to continue.
- 3. Read the additional information and touch Continue.
- Follow the on-screen instructions to set up your AT&T DriveMode options.

AT&T FamilyMap

AT&T FamilyMap provides peace of mind because you can use it to conveniently locate a family member on a map from your wireless device. Plus, AT&T FamilyMap is secure and private. Only authorized users have permission to locate your family members.

Note: FamilyMap requires a paid subscription. To sign up for service, visit www.att.com/familymap for more information or contact your AT&T Customer Service Representative.

- From the Apps screen, touch AT&T FamilyMap.
 The AT&T FamilyMap screen displays from the Play Store.
- 2. Touch **Update** to update the software.
- At the AT&T FamilyMap Sign In webpage, touch Get Started to create an account.
 - or -

Touch Sign In if you already have an account.

4. Follow the on-screen instructions.

AT&T Locker

AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place; the AT&T cloud.

- Sign on to your Google account if you are not already signed on. For more information, refer to "Creating a New Google Account" on page 15.
- 2. From the Apps screen, touch S AT&T Locker.
- At the AT&T Locker home screen, touch Sign Up to create an account or touch Log In if you already have an account.
- 4. Follow the on-screen instructions to use AT&T Locker.

AT&T Navigator

AT&T Navigator provides access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches.

Important! You must have a data plan to use this feature.

Note: These services require the purchase of a subscription.

To launch the AT&T Navigator application, follow these steps:

- From the Apps screen, touch AT&T Navigator.
 The Terms of Service screen displays.
- 2. Touch Full Terms and Conditions and then touch Accept.
- **3.** Use the keypad to enter your AT&T mobile phone number and touch **Continue**.
- 4. Follow the on-screen instructions.

AT&T Ready2Go

AT&T Ready2Go allows you to quickly and easily set up your Google, Gmail, and email accounts, import contacts, and configure Wi-Fi.

For more information, refer to "Setting Up Your Phone" on page 14.

From the Apps screen, touch [17] AT&T Ready2Go.

AT&T Smart Wi-Fi

With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use.

For more information, refer to "AT&T Smart Wi-Fi" on page 99.

From the Apps screen, touch § AT&T Smart Wi-Fi.

Battery Manager

This app is a shortcut to your Battery settings so you can manage how much battery power is used for device activities.

For more information, refer to "Battery" on page 188.

From the Apps screen, touch Battery Manager.

Browser

The Browser application is your access to the mobile web. This section explains how to navigate the browser and introduces you to the basic features.

To access the browser:

From the Apps screen, touch Browser.
The AT&T/YAH00! mobile homepage displays.

Navigating with the Browser

- 1. To select an item, touch an entry.
- **2.** To scroll through a website, sweep the screen with your finger in an up or down motion.
- Sweep the screen left to right to move laterally across a web page.

Browser Options

 From any web page, touch Menu to access your browser options.

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

- 1. Touch the URL field at the top of your screen.
- **2.** Enter the URL using the on-screen keyboard. The website displays.

Search the Internet

To perform an internet search using keywords, follow these steps:

- 1. Touch the Search bar at the top of the browser.
- 2. Enter a search word or phrase using the on-screen keyboard and touch .
- 3. Touch a link to view the website.

Adding and Deleting Windows

You can have up to eight Browser windows open at one time. To add a new window, follow these steps:

- From your browser, touch Menu → New window.
 A new browser window is opened.
- Touch (Windows) to see thumbnails of all open windows.
- Touch a window listing to open up that Browser window.
- **4.** Touch at the top right corner of the web page thumbnail to delete the window.

Going Incognito

The incognito feature allows you to view Internet sites outside of normal browsing. Pages viewed in this incognito window do not appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

- From your browser, touch Menu → Incognito mode.
- 2. At the information prompt, touch **OK**.
- 3. A new browser window displays.

To exit from the incognito window:

- **1.** From your browser window, touch Windows.
- Scroll across the available windows and locate the incognito window. The incognito icon appears in the upper-left of the new browser window while you are in this mode.
- Touch next to the incognito listing to delete this 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 are displayed in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

- From the Home webpage, touch Bookmarks.
 The Bookmarks page displays.
- 2. Touch | Menu to display the Bookmark options.

Calculator

The calculator provides the basic arithmetic functions to solve simple arithmetic problems and advanced operators to solve more complex problems. The Calculator also keeps a history of recent calculations.

- 1. From the **Apps** screen, touch Calculator.
- 2. Enter the first number using the numeric keys.
- Enter the operation for your calculation by touching the corresponding on-screen arithmetic function key.
- 4. Enter the next number.
- **5.** To view the result, touch the **=** (equals) key.
- **6.** Repeat Steps 3 through 5 as many times as required.
- 7. Touch **(a)** to clear the result.
- To view calculator history, touch located at the top of the calculator buttons. A history of your past calculations displays. Touch again to display the calculator keypad.

- To clear the calculator history, touch Menu → Clear history.
- **10.** To change the text size, touch **☐ Menu → Text size**.
- 11. For more advanced problems, rotate your device to landscape mode and use the advanced operators sin, In, cos, log, tan, and so on, just as you would on a pocket calculator.
- Touch and hold entries in the Calculator's display field to copy or cut the contents of the display.
 Copied to clipboard displays. Paste the copied value in another app.

Calendar

Your device includes a powerful Calendar to help you organize your schedules more conveniently and effectively. Learn to create and manage events and tasks, and set alarms to remind yourself of important events and tasks.

To access the Calendar:

- 1. From the Apps screen, touch 31 Calendar.
- The following tabs are available on the right side of the display:
 - Year: Display the Year view.
 - Month: Display the Month view.
 - Week: Display the Week view.
 - Day: Display the Day view.
 - List: Display the List view.
 - Task: Search for tasks.
- 3. Touch Hew to create a new Calendar event.
- 4. Touch **Today** to display the current date indicated by a blue box

- **5.** Touch **Menu** and select one of the following options:
 - Go to: Display a specific date.
 - Delete: Delete All events, All events before today, or an individual event.
 - Search: Search within your current events.
 - Sync: Synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
 - Calendars: Display various information such as My calendars, My task, your linked accounts, and Contact's birthdays.
 - Settings: Display a list of configurable settings.

Camera

Take photos and record video with your device's built in Camera.

For more information, refer to "Using the Camera" on page 85.

From the **Apps** screen, touch **O Camera**.

ChatON

Use ChatON to send and receive instant messages from any device that has a mobile phone number. You can interact with friends and family with text, images, hand-written notes and video shared instantly. You can chat in groups, while a Web client allows the easy sharing of content and conversations between your phone and PC.

For more information, refer to "ChatON" on page 84.

From the Apps screen, touch (ChatON.

Chrome

The Google Chrome app allows you to use the Google Chrome web browser on your phone.

- 1. From the **Apps** screen, touch **O Chrome**.
- 2. Follow the on-screen instructions.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, and use a timer.

Alarm

This feature allows you to set an alarm to ring at a specific time.

From the Apps screen, touch

 Clock → Alarm →
 Create alarm.

The following options display:

- Time: Touch Up or Down to set the new time for the alarm to sound. Touch AM or PM.
- Alarm repeat: Set the repeating status for the alarm by touching on the days that you want the alarm to sound. Touch the Repeat weekly check box to have the alarm repeat weekly.
- Alarm type: Set the way in which the alarm sounds when activated: Melody, Vibration, Vibration and melody, or Briefing.

 Touch More to display the following additional options:

- Alarm tone: Set the sound file, which is played when the alarm is activated. Select an option or touch Add for additional options.
- Alarm volume: Drag the slider to adjust the alarm's volume.

 - Snooze: Use this option to set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times). Touch the ON/OFF slider
 - Smart alarm: Tracks body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also known as accelerometer) is sensitive enough to work from any part of the bed. Set the Interval and the Tone.

 Touch the ON/OFF slider to activate.
- Name: Use a specific name for the alarm. The name displays when the alarm activates.
- 2. Touch Save to store the alarm details.

Turning Off an Alarm

To stop an alarm when it sounds, touch and sweep the
 icon to the right.

Setting the Snooze Feature

To activate the Snooze feature after an alarm sounds, touch and sweep the zz icon to the left. Snooze must first be set in the alarm settings. For more information, refer to "Alarm" on page 116.

Deleting Alarms

To delete an alarm, follow these steps:

- Touch the alarm or alarms you want to delete. A green check mark appears next to each selection. Touch
 Select all to delete all alarms.
- Touch Delete.

World Clock

World Clock allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

- 2. Touch Add city to add another city to the list.
- Scroll through the list of cities to find the city you want to add or touch the Search bar and use the keyboard to enter the name of the city you want to add.

Tip: Touch the first letter of the city's name, to the right of the list, to find the city more quickly.

 Touch the city.
 the list of your locations displays including the city just added. To set Daylight Savings time, touch and hold a city, then touch **DST settings**. Select Automatic, Off, or 1 hour.

If Daylight Savings Time is selected, a sun symbol on the World Clock listing will appear.

Deleting a World Clock Entry

- 2. Touch and hold a city, then touch Delete.
 - or -

Touch **■ Menu → Delete** to delete one or more entries

Stopwatch

You can use this option to measure intervals of time.

- 1. From the Apps screen, touch \bigcirc Clock \rightarrow Stopwatch.
- Touch Start to start the stopwatch and touch Lap to mark a unit of time per lap.
- 3. Touch **Stop** to stop the stopwatch.
- Touch Restart to continue or touch Reset to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

- From the Apps screen, touch

 Clock → Timer.
- The Minutes field is highlighted and set to 1 minute.Use the keypad to set the number of minutes you want.
- Touch the Hours field to set hours if desired. As you touch different fields, they will become highlighted.
- 4. Touch the Seconds field to set seconds.
- Touch Start to begin the timer and touch Stop to pause the timer
- After stopping, touch Restart to continue or touch Reset to set the timer back to the original setting.

Desk Clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

From the Apps screen, touch

 Clock → Desk clock.

 The default Desk clock displays.

- Touch to display the Desk clock in full-screen mode.
- 3. To make changes, touch **Menu** → **Settings**.
- 4. The following options are displayed while in full-screen mode:
 - Hide status bar: When this is checked, the status bar is hidden from view.
 - Wallpaper: Touch to select Desk clock wallpaper from Default, Gallery, or Same as home screen.
 - Calendar: Display the calendar.
 - Weather: Display the location, temperature, and weather conditions. Touch and slide the slider to the right to turn it on
 - Dock: Set your Dock settings such as Dock sound, Audio output mode, Desk home screen display, Automatic unlock, and Audio output.

Contacts

You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

You can also synchronize your phone Address Book with AT&T Address Book, the network backup service.

For more information, refer to "Contacts and Your Address Book" on page 44.

■ From the **Apps** screen, touch **! Contacts**.

Data Manager

This app is a shortcut to your Data usage settings so you can manage your data.

For more information, refer to "Data Usage" on page 149.

From the Apps screen, touch in Data Manager.

DeviceHelp

DeviceHelp provides online information to help with your device questions.

- From the Apps screen, touch DeviceHelp.
 The AT&T Device Help screen displays.
- Follow the on-screen instructions for accessing helpful information.

Downloads

Files, apps, and other items you download in Browser, Email, Gmail, or in other ways, are stored on your tablet's internal storage. Use the Downloads app to view, reopen, or delete what you have downloaded.

- From the Apps screen, touch Downloads.
 All of your downloads are listed.
- 2. Touch an available file and select it for use.
- Choose an available action such as Share via, Delete, Sort by size/date, or Clear list.

Email

Send and receive email using popular email services. For more information, refer to "Email" on page 80.

From the **Apps** screen, touch **Email**.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

- 1. From the Apps screen, touch **Flipboard**.
- Touch Tap to sign in to sign into your previously created Flipboard account.

- or -

Swipe up on the Flipboard screen, and select the desired category.

- 3. Touch Build Your Flipboard to build your Flipboard.
- 4. Follow the on-screen instructions to use Flipboard.

Gallery

Use Gallery to view, capture, and manage photos and videos. For more information, refer to "Gallery" on page 92.

From the Apps screen, touch Mallery.

Games

Access social and premium games. Join Game Hub to enjoy free games with your friends.

- 1. From the Apps screen, touch Games.
- 2. Touch a game and follow the on-screen instructions.

Gmail

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

For more information, refer to "Gmail" on page 82.

From the Apps screen, touch Maril.

Google

Search the internet using the Google search engine.

Tip: Google Search appears by default on a Home screen.

- 1. From a Home screen, touch Google.
 - or -

From the **Apps** screen, touch **8 Google**.

- 2. Use the keyboard to enter search criteria to display matching searches.
 - or -

Touch \P and speak the search criteria slowly and clearly. Google searches for the information and displays results.

Suggestions display below the text entry area.

Touch a suggestion to search for that term or touchon the keyboard to start the search.

A browser window displays the search results.

For more information, refer to "Google Search Bar" on page 25.

Google Settings

Use this app to manage your Google settings.

- 1. From the Apps screen, touch S Google Settings.
- 2. Follow the on-screen prompts to modify your Google Settings.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

For more information, refer to "Google+" on page 83.

From the Apps screen, touch St Google+.

Group Play

Using Group Play, you can share documents or photos you are viewing, or music you are listening to, with other devices connected to the same Wi-Fi network with your device.

- From the Apps screen, touch Group Play.
 The first time you access Group Play, read the Disclaimer and touch Agree.
 - The Group Play main screen displays.
- Touch Create group to create a Group Play session or touch Join group to join a Group Play session in progress.
- 3. For instructions on using Group Play, touch Menu → Info.

Hangouts

Hangouts is a free Windows and web-based application for instant messaging offered by Google. You can connect with your friends across computers and various Android devices. You can have conversations or video calls with up to 10 friends

For more information, refer to "Hangouts" on page 83.

From the Apps screen, touch Hangouts.

Local

Google Local is an application that uses Google Maps and your location to help you find destinations, such as restaurants, bars, hotels, attractions, ATMs, and gas stations. You can also add your own locations.

- 1. From the Apps screen, touch 🥜 Local.
- Touch Choose your location and touch My current location or Enter an address. To enter an address, use the on-screen keyboard and then touch OK.
- **3.** Touch on one of the business categories to search for a particular business.
 - All of the business categories that are close to you will be displayed.
- 4. Touch a business in the list to see more details about it. The business details such as address, phone, website, and location are displayed. You can also see reviews from around the web and from Google users.
- Touch your location at the bottom of the Local screen to write or view reviews, check in here, and so on.
- **6.** For more information touch \blacksquare Menu \rightarrow Help.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

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

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.

- Touch the Use GPS satellites field. A green check mark will display next to the field.

Note: Selecting Use GPS satellites allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

Using Maps

- From the Apps screen, touch Maps.
 A map will display with your location in the very center.
- 2. Follow the on-screen instructions to use the Maps application.

Messages

The AT&T Messages app brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer.

For more information, refer to "Messages" on page 84.

From the Apps screen, touch Messages.

Messaging

You can send and receive different types of messages. For more information, refer to "Messaging" on page 73.

From the Apps screen, touch \(\bigcup_{\bigcup} \) Messaging.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

For more information, refer to "Messenger" on page 84.

From the Apps screen, touch Messenger.

Mobile Hotspot

This application allows you to share your phones's mobile data connection by way of USB or as a portable Wi-Fi hotspot.

For more information, refer to "Tethering and Portable Hotspot" on page 152.

From the Apps screen, touch Nobile Hotspot.

Mobile TV

Mobile TV is a subscription service that allows you to watch your favorite TV shows using your device.

- 1. From the Apps screen, touch Mobile TV.
- 2. If you have Wi-Fi activated, touch Disable Wi-Fi.
- The Mobile TV main page displays. Follow the on-screen instructions to watch TV.

Note: Mobile TV uses a large amount of data and you are responsible for all data charges. It is strongly recommended that you upgrade to a large data plan.

Music

Music is an application that can play music files. Music supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching Music allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

- 1. From the Apps screen, touch (5) Music.
- Touch a library category at the top of the screen (Songs, Playlists, Albums, Artists, Music square, or Folders) to view the available music files.
- Scroll through the list of songs and touch an entry to begin playback.
- 4. The following Music controls are available:
 - Pause the song.
 - Start the song after pausing.

- Touch and hold to rewind the song. Touch to go to previous song.
- Touch and hold to fast-forward the song. Touch to go to next song.
- Volume control and sound effects.
- Volume control showing volume muted.
- 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.
- Songs play in order and are not shuffled.



Lists the current playlist songs.



Displays the current song in the player window.



Assign the current song as a Favorite.



Streams the current music file to another device via Samsung Link.

 Touch Menu to access additional options. Touch Settings to modify your Music settings.

Creating a Playlist

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

- 1. From the Apps screen, touch 🕟 Music.
- 2. Touch the Playlists tab.

- 3. Touch **Menu** → Create playlist.
- 4. Type a name for this playlist in the field and touch **OK**.

Adding Music to a Playlist

To add files to the playlist:

- 1. From the Apps screen, touch 🕟 Music.
- 2. Touch the Playlists tab.
- 3. Touch the desired playlist name.
- 4. Touch + Add music.
- Touch a music file, or touch Select all to add all the music tracks to this playlist then touch Done.

Removing Music from a Playlist

To remove music files from a playlist:

- 1. From the Apps screen, touch 🕟 Music.
- 2. Touch the Playlists tab.
- 3. Touch the desired playlist name.
- 4. Touch Menu → Remove.
- Touch the check box to the left of each track you want to remove from this playlist. Touch Select all to remove all the music tracks from this playlist. Touch Remove.

Editing a Playlist

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

To edit a playlist:

- 1. From the Apps screen, touch 🕟 Music.
- 2. Touch Playlists.
- 3. Touch Menu → Edit title.
- Touch a playlist name to edit.
- **5.** Enter a new name for the playlist then touch **0K**.

For information on downloading music for your phone, see "Play Music" on page 132.

My Files

Manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

- From the Apps screen, touch My Files → All files.
- Touch Device storage to see the contents of your internal SD card.

Note: Different folders may appear depending on how your phone is configured.

- If you have an external SD card inserted, touch SD memory card to see the contents of your external SD card (memory card).
- Touch a folder and scroll down or up until you locate a file.

Note: You may have to touch one or more subfolders before you encounter files.

- Touch a file to launch it in the associated application, if the file is associated with an application.
- **6.** While browsing files, use these controls:
 - **Up**: Display a higher directory.
 - **Home**: Display the root directory.



Menu: Displays the following options:

- · Select all: Mark all files or folders.
- Create folder: Create a new folder.
- Search: List files and folders that contain the keywords you enter with the on-screen keyboard.
- View by: Set how you want to view files and folders.
- Sort by: Set the order in which you want to view files and folders.
- . Settings: Manage My Files settings.



Mark files: Touch the box to the left of each file or next to the folder to select all files in the folder. Then touch **Delete** in the Application bar to delete the selected items. Touch **selected** to **Select all** or **Inselect all**.



More options: Once files or folders are marked, touch this icon to move, copy, or rename the file or folder, or view details about the file or folder

- 7. To view a photo file:
 - · Touch the file.

The Gallery app is used to open the photo. For more information, refer to "Viewing Pictures" on page 89.

- 8. To view a video file:
 - Touch the file.

The Video Player is launched and plays the video. For more information, refer to "Video" on page 141.

myAT&T

myAT&T allows you to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan.

Note: The first time you use myAT&T, you will need to download the updated application from the Play Store. When the Play Store page displays, touch **Update**. For more information, refer to "Play Store" on page 132.

Using myAT&T

- 1. From the Apps screen, touch | myAT&T. The mvAT&T page displays.
- 2. Read the Terms and Conditions and touch Accept to continue.
- 3. Enter your User ID and Password, using the on-screen keyboard, and touch Login.
- Follow the on-screen instructions.

Navigation

Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.

Note: For voice-guided navigation, you need to install text-tospeech support from the Play Store.

Launching Navigation

From the **Apps** screen, touch A **Navigation**.



Navigation Menu

While viewing a map:

Touch **Menu** for options.

To configure Navigation settings:

Touch **Menu** → **Settings**. Follow the on-screen instructions.

For more information touch \longrightarrow Menu \rightarrow Help.

Phone

Use the Phone application to access the dialer keypad, call logs, and favorites.

For more information, refer to "Call Functions" on page 58.

From the **Apps** screen, touch **Phone**.

Play Books

Use the Play Books app to read eBooks from the Internetbased Google Play Books service. Google eBooks is a new way to discover, buy, and enjoy your favorite books online and offline.

From the Apps screen, touch Play Books.
The Google Play Books main screen displays.

Note: You may be asked to create or sign on to your Google account. For more information, refer to "Setting Up Your Gmail Account" on page 82.

Play Books Menu

From the Play Books main screen:

■ Touch | Menu for options.

To configure Play Books settings:

■ Touch Menu → Settings.
Follow the on-screen instructions.

For more information touch \blacksquare Menu \rightarrow Help.

Play Magazines

Google Play Magazines helps you subscribe to your favorite magazines so you can have them available to read on your tablet at your leisure.

Play Magazines requires that you log on to your Google account. For more information, refer to "Setting Up Your Gmail Account" on page 82.

From the Apps screen, touch Play Magazines.
The Play Magazines Welcome screen displays.

Play Magazines Menu

From the Play Magazines main screen:

Touch Menu for options.

To configure Play Magazines settings:

■ Touch Menu → Settings.
Follow the on-screen instructions.

For more information touch \blacksquare Menu \rightarrow Help.

Play Movies & TV

The Play Movies & TV app is available for select Android devices. Any movie you rent from the Google Play Store can be downloaded for offline viewing through this application. In addition, the Play Movies & TV app can be used to stream your Google Play movie rentals as well as play any of your personal videos stored on your phone.

- 1. From the Apps screen, touch Play Movies & TV.
- 2. For more information touch \blacksquare Menu \rightarrow Help.

Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

- From the Apps screen, touch Play Music.
 All music on your device and external SD card displays including Music folders that may contain multiple songs.
- 2. Touch a song to start playback.

- From the main Play Music screen, you can touch any of the following tabs for a more detailed listing of songs: Playlists, Recent, Artists, Albums, Songs, and Genres.
- **4.** Touch **Menu** for additional options.

Play Store

Google Play Store provides access to downloadable applications and games to install on your phone. It also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Note: Before using the Play Store you must have a Google Account. For more information, refer to "Setting Up Your Gmail Account" on page 82.

- 1. From the Apps screen, touch prize Play Store.
- 2. Sign in to your Google account.
- The first time you sign in, the Play Store Terms of Service will be displayed. Touch Accept to continue or Decline to exit.

- 4. Touch Apps, Games, or AT&T to download or purchase games or applications. You can also download updates to existing applications.
- Follow on the on-screen instructions.

Updates to Downloaded Apps

You can check for new versions of applications by visiting the Google Play Store. Items that have a new version available will say Update.

You can also select apps that you would like to be updated automatically. To do this:

- From the **Apps** screen, touch Play Store.
- Touch My Apps.
- Touch the **INSTALLED** tab to list the Play Store apps installed on your device. Update displays if there is an update available for the
 - app.
- Touch an app and then touch Allow automatic updating to enable automatic updating.

- 5. Touch **Open** to open the app on your device.
- Touch **Update** to immediately update the app on your device.

POLARIS Office 5

This application is a Microsoft Office compatible office suite that 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 Apps screen, touch Polaris Office 5.
- Enter your Email information, if desired, and touch Register to complete the process.
 - or -

Touch **Skip** to ignore this registration.

The main Polaris Office screen displays.

3. To get help for using Polaris Office, touch Menu → Help → User Guide.



S Memo

The S Memo application can be used to create memos using the keyboard, your finger, or both. You can add images, voice recordings, and text all in one place.

Creating a New Memo

- 1. From the Apps screen, touch S S Memo.
- 2. Touch an existing Memo to open it then touch the screen to enter edit mode.

- or -

Touch **+T** to start a new memo in text mode with the keyboard displayed.

- or -

Touch $+ \angle$ to start a new memo in drawing mode using your finger or a compatible on-screen writing tool. You can change back and forth in a memo to add text with the keyboard and the pen.

Memo Viewing Options

While viewing your Memos:

- - or -

- To delete one or more memos, touch Menu → Delete. select one or all memos, and touch Delete.
- Touch and hold a memo thumbnail or list entry to display the following options: Delete, Share via, Export, Copy, Rename, Lock/Unlock, and Print.

Memo Options

While viewing a Memo:

Touch | Memo options for the following options: Delete, Share via, Export, Add to Favorites, Create event, Set as, and Print.

S Translator

Use S Translator to translate text speech composed of any of 9 written or spoken languages to or from UK English or US English.

With the S Translator you can easily translate words and phrases into many different languages.

- Sign in with your Samsung Account if you have not already done so. For more information, refer to "Signing In to Your Samsung Account" on page 179.
- 2. From the Apps screen, touch (S Translator.
- At the S Translator screen, touch the top language bar and enter a language.
- Touch the language bar at the bottom of the screen to select a different language.
- Enter text into the upper box and touch
 The translated text displays in the lower box translated into that language.
 - or -

Enter text into the lower box and touch @.

The translated text displays in the upper box translated into that language.

- 6. Touch either of the Speak buttons at the bottom of the screen to translate using either language by using your voice. The translation displays automatically in the appropriate box.
- **7.** Touch **Menu** for additional options.

S Voice

With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, and so on.

- 1. From the Apps screen, touch 📵 S Voice.
- Read the Samsung Disclaimer then touch Confirm to continue.
- Read the Vlingo Terms of Service then touch Agree to continue.
- Read the information on the About S Voice screen, then touch Next.
- Read the information on the Say what you want screen, then touch Next.
- Read the information on the Wake up S Voice screen, then touch Next.

- Read the information on the Edit what you said screen, then touch Next.
- 8. Read the information on the **Help** screen, then touch **Finish**.
- At the S Voice screen, touch or say "Hi Galaxy" to wake up S voice.
- Speak into the phone and follow the on-screen instructions.
- 11. Touch Menu for additional options.

Samsung Apps

With Samsung Apps, you can download hundred of applications from a variety of categories.

- Sign on to your Samsung account if you have not already done so.
- 2. From the Apps screen, touch Samsung Apps.
- Touch an application that you would like, then follow the on-screen instructions to download.
- 4. Touch | Menu → Help for additional information.

Samsung Hub

Samsung Hub makes it easy to find, sample, and purchase movies, TV shows, books, games, and music, in one user-friendly location. You can rent or purchase your favorite content and watch from any location. Samsung Hub is your gateway to mobile entertainment.

Note: Samsung Hub usage is based on service availability.

Important! You must be using an active Wi-Fi/4G/LTE connection to preview and download a media file.

The internal memory acts as a storage location for your downloaded rental or purchase.

Accessing Samsung Hub

To access Samsung Hub:

- 1. From the Apps screen, touch Samsung Hub.
- Select Music, Video, Books, or Games from the Samsung Hub screen.
- Follow the on-screen instructions to browse, view, or purchase media.
- **4.** Touch **Menu → Help** for more information.

Samsung Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Samsung Hub.
- Media Content that is purchased and downloaded may be viewed concurrently on up to five (5) devices with Samsung Hub (or "the service") that are also registered to the same account.
- You may remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you'd like. You will have the ability to re-download the Media Content later subject to content re-download availability and content provider permissions.
- You may need network coverage to access Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity to download Media Content
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account at a time.
- Media Content is downloaded and saved to your authorized device's SD card. No SD Card included out of box.

- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching Media Content within the time limit set out for each piece of content (which may be as short as 24 consecutive hours).
 - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.
 - In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (for example, if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).

Unless otherwise restricted by the Content Providers, you can download Media Content to your TV using HDMI connections; otherwise, you cannot play Media Content downloaded from your mobile device output.

Samsung Link

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

Samsung Link 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 first connect both of your communicating devices to the same Wi-Fi. For more information, refer to "Wi-Fi Settings" on page 148.

- 1. From the Apps screen, touch (a) Samsung Link.
- Touch Sign in to sign into your Samsung Account if you have not already done so. For more information, refer to "Signing In to Your Samsung Account" on page 179.

- If prompted, read the on-screen message about network charges and touch OK to continue and return to the main Samsung Link screen.
- 4. Touch Start and follow the on-screen prompts.
- Scroll across the application screen to view either MY RECENT CONTENT or DEVICES & STORAGE.
- 6. The DEVICES & STORAGE screen contains two separate streaming media options:
 - Registered storage: Receive and playback media stored externally (server, laptop, etc.) directly on your device by allowing you to add a Web storage service for streaming content.
 - Registered devices: Stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.

Configuring Samsung Link Settings

Samsung Link must first be configured prior to its initial use. You must set up parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

- From the Apps screen, touch
 Samsung Link →
 DEVICES & STORAGE tab.
- **2.** Touch Menu and then touch Settings and configure the following settings as desired:
 - Registered storage: Add a Web storage location. Without a storage service/location added, you will not be able to use Samsung Link.
 - My device: Display your device name as it is used with Samsung Link. Touch to change the device name.
 - Save to: Save your media to your internal phone memory or to an SD card
 - Auto upload: Enable automatic upload of images from your device to those storage locations specified within the Web storage list. Touch and slide the slider to the right to turn it on

- Video optimization: Set up the video quality for streamed video content. Touch and slide the slider to the right to turn it on
- Password lock: Restrict access to Samsung Link by requiring a user enter the currently active and associated Samsung account password. Touch and slide the slider to the right to turn it on
- My account: Samsung account information.
- Customer support: Contact the Samsung Link team by way of a new email from an available email account.
- About this service: Display application information

Sharing Media via Samsung Link to a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

- Launch AllShare Play or Samsung Link on the target device (such as an Internet TV, Samsung Tablet, and so on).
- 2. From the Apps screen, touch (a) Samsung Link.

Note: You must be signed in to your Samsung Account before you can use this feature.

- Touch your device name from the Registered devices area.
- **4.** Touch **☐ Menu → Help** for more information.

Settings

This app navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to "Changing Your Settings" on page 147.

From the Apps screen, touch Settings.

Story Album

With Story Album, you can create a digital Album of your story in media. Special moments will be on a timeline, and if you want, you can have your album published as a hard copy.

Note: The first time you use Story Album, you will need to download the updated application from the Play Store. When the Play Store page displays, touch **Update** or **Install** then follow the on-screen instructions. For more information, refer to "Play Store" on page 132.

- 1. From the Apps screen, touch MI Story Album.
- 2. Read the introductory information and touch **Next**.
- 3. Touch Start to begin your Story Album.
- 4. Follow the on-screen instructions.
- **5.** Touch \blacksquare Menu \rightarrow Help for additional information.

TripAdvisor

Use TripAdvisor to plan and have your perfect trip. TripAdvisor gives you access to traveler reviews and opinions, which makes it easier to find the best hotels, restaurants, and fun things to do.

Note: This application requires a Samsung account sign in to access its features.

- 1. From the Apps screen, touch on TripAdvisor.
- 2. Follow the on-screen instructions to use TripAdvisor.
- 3. Touch Menu for additional options.

Video

Video identifies and plays video files (3GP or MP4) stored on your phone or on an optional microSD Memory card.

From the Apps screen, touch Video.
 All videos that you have on your phone and memory card display.

2. Touch the video that you want to play.

While the video plays, the following video controls are available:

- Pause the video.
- Start the video after being paused.
- H
- Press and hold to rewind the video. Touch to go to previous video.
- H
- Press and hold to fast-forward the video. Touch to go to next video.
- <u>(i)</u>
- Streams the current video file to another device via Samsung Link.
- Volume control.
- *
- Volume control showing volume muted.

Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.



Full-screen view. The entire screen is used, which may cause some minor distortion.



Original size view. The video is played in its original size.



Stretch to fit. The video is enlarged to fit the screen without becoming distorted.



PIP (Picture In Picture) view. The video is played in a small window so you can use your phone for other purposes while watching the video. Double-tap the screen to return to previous size.

Note: The screen view icons are a four-way toggle. The icon that is displayed, is the mode that will display after the icon is touched.

3. Touch Menu for additional options.

Voice Recorder

Record your voice or other sounds, and share recordings by using Bluetooth, Messaging, Gmail, and so on. Recording time varies based on the available memory within the phone.

- 1. From the Apps screen, touch 📳 Voice Recorder.
- To start recording, touch Record and speak into the microphone.
- ${\bf 3.}\ \ \, {\rm During}$ the recording process you can either touch
 - Stop to stop and save the recording or Pause to temporarily halt the recording. After pausing, touch
 - Record to resume recording. Once the audio recording has stopped, the message is automatically saved. Touch Cancel to cancel the recording without saving.
- Touch List to display a list of all your voice recordings and touch a voice recording to play it.
- **5.** Touch **Menu** for additional options.

Voice Search

The Google Voice Search application allows you to search the web using only your voice.

- 1. From the Apps screen, touch Voice Search.
- When the Google Voice Search screen displays, speak the word or words that you would like to search for on the internet
- If the timer expires and the mic icon changes from red to gray, touch the mic icon and speak the word or words that you would like to search for on the internet. Results are displayed on your phone.
- 4. The following options are available at the bottom of your screen:
 - Web: After selecting a different option, touch Web to return to the original search results.
 - Images: Display images for your search.
 - News: Display news articles on the item you searched on.
 - MORE: Touch MORE and sweep your screen to the left to see additional options such as Shopping, Videos, Books, and so on.
 - **Phone**: Display a phone number if applicable.

WatchON

Enjoy all of your favorite movies and TV shows with WatchON. Once you have completed the WatchON setup, you can use your phone to control your TV and other devices.

Important! Before you use WatchON, verify that you have an active Internet connection available (either mobile network or Wi-Fi connection). For more information, refer to "Wi-Fi" on page 95.

Note: If you are not connected to an active Wi-Fi, you may be prompted to continue the set up process via a mobile network. Click Connect to proceed.

Note: Before beginning your initial WatchON application setup, make sure that your TV is turned off.

Note: Sign into your Samsung account before using WatchON. For more information, refer to "Signing In to Your Samsung Account" on page 179.

Initial Configuration

- 1. From the Apps screen, touch 📵 WatchON.
- Touch Select country or region and touch your country or region.
- Enter your current ZIP code and touch Done. This zip code must correspond to the location of your desired TV and set top box.
- From the Find your TV service screen, select a service provider from the available channel listing.
- From the Personalize screen, you can either follow the on-screen prompts to personalize your desired content or touch Skip to continue without customizing your content.
- Read the on-screen Peel Disclaimer and touch Agree to complete the set up process.
- 7. From the top of the main screen, touch (Remote Control) → Set up now.
- 8. Follow the on-screen instructions.

WatchON Menu

- 1. From the Apps screen, touch 📵 WatchON.
- 2. Touch Menu for the following options.
 - Change room: Indicate a room.
 - Edit channels: Add or remove channels from your custom list.
 - Settings: Configure Samsung WatchON settings. Follow the on-screen instructions.
 - About: Display WatchON version, build, and copyright information.
 - Help: Display Samsung WatchON help information.

YouTube

YouTube is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

- 1. From the Apps screen, touch H YouTube.
- 2. At the You Tube introduction screen, touch **OK**.

- Touch the search field to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
- To view a video, touch an available preview thumbnail or touch the title link.
- 5. Touch | Menu for additional options.

Note: Preloading YouTube videos uses some of your device's storage space and may result in additional charges if your Wi-Fi plan is not unlimited.

YPmobile

The Yellowpages Mobile application provides quick and ready access to businesses, map locations, and storage of your favorite searches. This application allows you to tap into local businesses, locations, and events, connecting you to your search in real-time.

Note: The first time you use YP, you will need to download the updated application from the Play Store. When the Play Store page displays, touch **Update** or **Install** then follow the on-screen instructions. For more information, refer to "Play Store" on page 132.

- 1. From the Apps screen, touch yp YPmobile.
- Read the End-User License Agreement (EULA) and touch Accept to continue.
- Your location is found using GPS. Touch **OK** to allow YPmobile to use your current location.

- Touch the Find a business nearby! field, use the on-screen keyboard to enter your search value, and touch Search.
 - or —

Touch one of the displayed shortcuts (Gas Prices, Pizza, and so on). Touch **More Nearby** for even more shortcuts.

Results display.

- 5. Touch a location, if more than one displays.
 - or -
 - Touch to see the locations marked with pins on a map. Pinch the map screen inwards to zoom out or pinch it outwards to zoom in. Touch a pin to read information about the location.
- 6. Touch Menu to display additional options.

Section 9: Changing Your Settings

This section explains the settings used for customizing your device.

Accessing Settings

■ From a Home screen, touch Apps → Settings.

- or -

From a Home screen, touch **■ Menu** → **Settings**.

- or -

From any screen, touch the top of the screen and swipe downward, to display the Notifications panel, and then touch Settings.

Settings Tabs

The Settings are divided into four main groups. When the Settings screen displays, the following four tabs are located at the top of the screen:



Connections: This tab allows you to see all settings related to the connection of your device to external sources, such as, Wi-Fi, Bluetooth, and Nearby devices.



My device: This tab provides access to device configuration and customization features, such as, Lock screen, Display, Sound, Power saving mode, and Accessibility.



Accounts: This tab provides both the ability to create and modify your accounts (such as, Samsung account, Email, and Google account) and access Backup and reset features.



More: This tab provides access to the remaining set of device settings not listed under the other three tabs, such as, Location services, Security, Application manager, and About device.

Note: The settings for your device are described below in the order that they appear within the Settings menu. Options under the Connections tab are listed first, followed by My device, Accounts, and More settings.

Wi-Fi Settings

This section describes the Wi-Fi settings. For information on how to use Wi-Fi, see "Wi-Fi" on page 95.

Activating Wi-Fi

- From the Settings screen, touch Connections → Wi-Fi
- Touch the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON
- Touch Scan to scan for available Wi-Fi networks. For more information, refer to "Connect to a Wi-Fi Network" on page 95.

Activating Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

- From the Settings screen, touch Connections → Wi-Fi
- 2. Touch the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON ON .
- At the bottom of the Wi-Fi screen, touch the Wi-Fi Direct button.

For more information, refer to "Wi-Fi Direct" on page 98.

Advanced Wi-Fi Settings

The advanced Wi-Fi settings allow you to set up and manage wireless access points.

- From the Settings screen, touch Connections → Wi-Fi.
- 2. Touch Menu → Advanced.

The following options are available:

- Network notification: Alerts you when a new WAP is available.
- Keep Wi-Fi on during sleep: Specify when to disconnect from Wi-Fi.
- Auto connect: Automatically connected to an AT&T Wi-Fi Hotspot as soon as your phone detects it.
- MAC address: View your device's MAC address, required when connecting to some secured networks (not configurable).
- IP address: View your device's IP address.

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.

Activating Bluetooth

- 1. From the **Settings** screen, touch **Connections**.
- Touch the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON
 The Bluetooth icon
 displays on the status bar.

Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

- From the Settings screen, touch Connections → Bluetooth
- 2. Touch Scan to scan for nearby discoverable devices.
- After searching, touch a device to pair with it.
 For more information, refer to "Pairing Bluetooth Devices" on page 102.
- **4.** Touch Menu and select a Bluetooth setting to configure:

- Visibility timeout: Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never time out.
- Received files: Shows the list of files received by using Bluetooth.
- Touch the check box next to SAMSUNG-SGH-I257 to remove the check mark if you do not want your phone visible to other Bluetooth devices.

Data Usage

From this screen you can view your Mobile data usage and turn your Mobile data capability On or Off.

- From the Settings screen, touch Connections →
 Data usage.
- Touch Mobile data to create a check mark and turn Mobile data usage on.
- Touch Set mobile data limit to create a check mark and allow a data limit to be set.
- Touch and drag the red limit bar up or down to the GB limit that you want.
- 5. Touch the **Data usage cycle** drop-down menu and select a date.

The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of how much data was used per application.

Note: Data is measured by your device. Your service provider may account for data usage differently.

- Touch | Menu to display additional options. Touch to activate.
 - Data roaming: Enable data roaming on your device.
 - Restrict background data: Restrict some apps and services from working unless you are connected to a Wi-Fi network.
 - Auto sync data: Set your accounts to automatically sync.
 - Show Wi-Fi usage: Display a Wi-Fi tab that shows Wi-Fi usage.
 - Mobile hotspots: Display available mobile hotspots.

More Networks

This option displays additional Connectivity information.

From the **Settings** screen, touch **Connections** → More networks.



The following options display.

Airplane Mode

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

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

- 1. Touch the Airplane mode check box to create a check mark and activate the feature
- 2. At the Turn on airplane mode prompt, touch OK. The Airplane mode icon T displays at the top of your screen.

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.

- Touch Mobile networks to display the following options:
 - Mobile data: Touch to create a check mark and activate the feature. To enable data access over the mobile network, this option must be selected. It is set on by default.
 - Data roaming: Touch to create a check mark and activate the feature. 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.
 - Enhanced 4G LTE mode: Touch to create a check mark and activate the feature. Turns on enhanced voice and communications using LTE data. It is set on by default.
 - Access Point Names: To use Wi-Fi you need access to a
 wireless access point (hotspot). Touch to display a list of the
 Access Point names. The active access point displays a green,
 filled circle to the right of the name.

 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. The current network connection displays at the bottom of the list.

Important! You must deactivate data service prior to searching for an available network.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default Setup Options

Your phone default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.

- From the Settings screen, touch Connections →
 More networks → Mobile networks.
- 2. Touch Network operators.
- Touch Default setup.
- Touch Manual to locate and connect to a network manually, or touch Automatic to allow the device to automatically select a network.

Tethering and Portable Hotspot

This option allows you to share your phones's mobile data connection with a portable Wi-Fi hotspot or USB tethering.

Mobile Hotspot

Note: To enable Mobile Hotspot on your phone, dial 611 or go to att.com/mywireless to set up the service.

- From a Home screen, touch Apps → Mobile Hotspot .
 - or –

From the Settings screen, touch ——— Connections →

More networks → Tethering and portable hotspots →

Mobile Hotspot.

- 2. Touch the ON/OFF slider, located to the right of the Mobile Hotspot field, to turn Mobile Hotspot
 - The Mobile Hotspot icon displays at the top of your screen.
- Follow the on-screen instructions to use Mobile Hotspot.

USB Tethering

Note: To enable USB tethering on your phone, dial 611 or go to att.com/mywireless to set up the service.

- From the Settings screen, touch Connections → More networks → Tethering and portable hotspot.
- 2. Connect your phone to your PC using a USB cable.
- Touch USB tethering to add a check mark and activate the feature. The USB tethering icon uisplays at the top of your screen.
- 4. Follow the on-screen instructions to use USB tethering.

Help

From the Tethering and portable hotspot menu, touch
 Help for additional information

VPN Settings

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Important! Before you can use a VPN you must establish and configure one.

Adding a Basic VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP, L2TP/IPSec PSK, L2TP/IPSec RSA, IPSec Xauth PSK, IPSec Xauth RSA, or IPSec Hybrid RSA.

- Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to "Lock Screen Settings" on page 157.
- 2. From the Settings screen, touch Connections →
 More networks → VPN
- 3. Touch Basic VPN.
- 4. Touch Add.
- 5. Enter a name for the VPN network in the Name field.
- 6. Select a VPN type from the Type drop-down menu.
- Enter the Server address and any other required fields that are dependent upon the Type you entered previously.
- Touch the Show advanced options check box to display additional VPN options.
- 9. Touch Save to save your VPN settings.

Adding an IPsec VPN

- Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to "Lock Screen Settings" on page 157.
- 2. From the Settings screen, touch Connections →
 More networks → VPN
- 3. Touch Advanced IPsec VPN.
- 4. Touch Add VPN Connection.
- 5. Enter a password, confirm the password, and touch \mathbf{OK}
- Enter a name for the VPN connection in the VPN connection name field.
- Select a IPsec connection type from the drop-down menu.
- 8. Enter any other required information.
- Touch Show advanced options to display additional VPN options.
- 10. Touch Save to save your VPN settings.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

To activate NFC, follow these steps:

- From the Settings screen, touch Connections → NFC
- 2. Touch the ON/OFF slider, located to the right of the NFC field, to turn NFC ON ...

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

- From the Settings screen, touch Connections → NFC → Android Beam.
- 2. Touch the OFF / ON icon to turn Android Beam ON
- Touch the back of your device with another NFCcapable device and the content is transferred.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music app, and more.

- From the Settings screen, touch Connections → S Beam.
- 2. Touch the OFF / ON icon to turn S Beam on
- Touch the back of your device with another NFC-capable device and the content is transferred.

Nearby Devices

This option allows you to share your media files with nearby devices using DLNA and connected to the same Wi-Fi.

- Connect to a Wi-Fi network. For more information, refer to "Activating Wi-Fi" on page 148.
- From the Settings screen, touch Connections → Nearby devices.

- Touch the File sharing check box to create a check mark and activate File sharing.
- 4. Verify (Nearby devices) appears at the top of the screen.
- **5.** At the Nearby devices prompt, touch **0K**.
- Touch Shared contents, then check the media you would like to share. Touch OK.
- Touch Allowed devices list, then select the connected devices you would like to allow.
- **8.** Touch **Not-allowed devices list**, then select the connected devices you would like to not allow.
- Touch Download to, then select the destination of any downloaded (shared) content. Choose from Device or SD card.
- 10. Touch Upload from other devices, then select the actions you'll take when you upload content from other devices. Choose from either Always accept, Always ask, or Always reject.

Screen Mirroring

The Screen Mirroring feature allows you to share the media files on your device screen with an HDMI device such as an HDMI TV.

Note: This feature requires the optional AllShare Cast dongle which is available as an accessory. See your AT&T Customer Service Representative for more information.

- From the Settings screen, touch Connections → Screen Mirroring.
- Connect the AllShare Cast dongle to the HDMI device using an HDMI A-to-A cable.
- Touch Menu → Help for information on using Screen Mirroring.

Kies via Wi-Fi

Kies via Wi-Fi allows you to sync your PC wirelessly with your device provided they are both on the same Wi-Fi network. You can view and share videos, photos, music, ringtones, and more.

- From your PC, download the Samsung Kies application if you have not already done so. You can find it at_ samsung.com.
- 2. From your PC, launch the Samsung Kies application.
- 3. From your PC, connect to a Wi-Fi network.
- From the Settings screen, touch Connections → Kies via Wi-Fi.
- From your device, connect to the same Wi-Fi network that your PC is connected to if you have not already done so. For more information, refer to "Connect to a Wi-Fi Network" on page 95.

Lock Screen Settings

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see "Securing Your Device" on page 16.

Screen Lock

- Touch Screen lock for these options then follow the onscreen instructions to set up your Screen lock:
 - Swipe: Swipe the screen to unlock it.
 - Face unlock: Look at your phone to unlock it.
 - Face and voice: Look at your phone and speak to unlock.
 - Pattern: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
 - PIN: Select a PIN to use for unlocking the screen.
 - Password: Create a password for unlocking the screen.
 - None: No pattern, PIN, or password is required. The screen will never lock.

Lock Screen Options

The following options are available depending on the Screen Lock type that you have selected.

Swipe Options

The options available when Screen lock is set to Swipe are:

- Multiple widgets: Display multiple widgets on your lock screen.
 Appears as an options after a lock mode is enabled.
- Lock screen widgets: Lock the widgets that are displayed on your home screens.
- Shortcuts: Set shortcuts to appear at the bottom of the Lock screen. Touch and slide the slider to the right to turn it on
- Unlock effect: Set the effect you receive when unlocking the phone.
 You can select None, Ripple effect, or Light effect.
- Help text: Show help information on the Lock screen.
- Wake up in lock screen: Requires that you say a command to wake-up your phone.
- Set wake-up command: Designate your wake-up commands.
 Touch Set wake-up command and follow the on-screen prompts to create a new verbal command.

Face Unlock Options

These options are available when Screen lock is set to Face unlock or Face and voice:

- Lock screen widgets: Lock the widgets that are displayed on your home screens.
- Improve facial recognition: Improve your device's face matching capability by capturing your face in different lighting, with or without glasses, and bearded or clean-shaven. Follow the on-screen instructions.
- Presence check: Requires that you blink when using the Face unlock feature. This will increase the security of the feature.
- Secured lock time: Set a time-out for lock screen.

Pattern Options

These options are available when Screen lock is set to Pattern:

- Lock screen widgets: Lock the widgets that are displayed on your home screens.
- Make pattern visible: See the pattern as you draw it.
- Secured lock time: Set a time-out for lock screen.

PIN and Password Options

These options are available when Screen lock is set to Pin or Password:

- Lock screen widgets: Lock the widgets that are displayed on your home screens.
- Secured lock time: Set a time-out for lock screen.

Display Settings

In this menu, you can change various settings for the display.

■ From the Settings screen, touch Display.
My device →

The following options display:

- Wallpaper: Set the Wallpaper for your Home screen, Lock screen, or both. For more information, refer to "Changing the Wallpaper" on page 34.
- Notification panel: Set the brightness of your notification panel and also select the quick setting buttons that you want to display at the top of the notification panel. For more information, refer to "Notification Bar" on page 35.
- Screen mode: Select from several different color modes.
- Brightness: Configure the LCD Brightness levels. Touch Automatic brightness to allow the phone to self-adjust or drag the slider and touch OK.
- Auto rotate screen: Switch the display orientation automatically when you rotate the phone.

- Screen timeout: Adjust the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 3 minutes, 5 minutes, 10 minutes, 15 minutes, and 30 minutes.
- Daydream: Control what your screen does when your device is docked or sleeping. Touch the OFF / ON icon next to Daydream to turn it on
 ON . Follow the on-screen instructions.
- Font style: Set the font style that your phone will use. You can
 also touch Get fonts online to choose from a wider selection.
- Font size: Select which size of font displays.
- Increase legibility: Enhance the clarity of the text.
- Touch key light duration: Adjust the delay before the Touch key light automatically turns off.
- Show battery percentage: Display the battery charge percentage next to the battery charge icon at the top of the display.
- Edit after screen capture: Go edit a screen immediately after taking a screen capture.

LED Indicator

This option allows you to turn on your LED lights for charging, missed events, and incoming notifications. The light will turn on by default unless you turn them off.

- From the Settings screen, touch My device → LED indicator.
- Touch the following LED indicator options to turn them on or off:
 - Charging: LED lights up when the device is connected to the charger.
 - Low battery: LED lights up when the battery level is low.
 - Notifications: LED lights up when you have missed calls, messages, or application events.
 - Voice recording: LED lights up when you are recording voice.
 The LED only lights up when the screen is off.

Sound Settings

From this menu you can control the sounds on the phone.

From the **Settings** screen, touch My device → Sound

The following options display:

- Volume: Change the volume for all phone sounds in one easy location. Touch and drag the sliders to adjust the sound volume for Music, video, games and other media, Ringtone, Notifications, and System. Touch OK.
- Ringtones: Set the ringtone. Touch a ringtone and touch OK.
 or –

Touch **Add** to select a file from your music files.

• **Vibrations**: Set your phone to vibrate and ring. Select a vibration pattern and touch **OK**.

-or-

Touch **Create** and follow the on-screen instructions to create your own vibration.

- Default notifications sound: Set the ringtone that will sound for notifications and alarms. Touch a ringtone and touch OK.
- Vibrate when ringing: Enable your phone to vibrate whenever it rings. Touch Vibrate when ringing to create a check mark and enable the feature.

System Tone Settings

Touch any of the following options to create a check mark and activate the feature:

- **Dialing keypad tone**: Makes a sound when you touch a key on the keyboard.
- **Touch sounds**: Makes a sound when you touch the screen.
- Screen lock sound: Makes a sound when your screen is locked or unlocked.

More Settings

 Adapt Sound: Customize your call sounds. Touch Adapt Sound, read the instructions, and touch Start.

Follow the on-screen instructions to set up your personal call sound

Home Screen Mode

Home screen mode allows you to set your display to the conventional layout of **Standard mode** or provide an easier user experience for the first-time smartphone users using **Easy mode**.

- From the Settings screen, touch My device →
 Home screen mode.
- 2. Select one of the following options:
 - Standard mode: Use conventional layout for the apps and widgets on your home screens.
 - Easy mode: Use easier user experience for first-time smartphone users on the home screens.
- 3. Touch Apply.

Call Settings

To access the Call settings menu:

- From the **Settings** screen, touch My device
 → Call.
 - or -
- From the Home screen, touch Phone → Menu → Call settings.

The following options display.

Call Rejection

- Touch Auto reject mode and touch one of the following options:
 - Off: Turn Auto reject mode off.
 - All numbers: Reject all calls.
 - Auto reject numbers: Reject all calls in your Reject list.
- Touch Unknown, to create a check mark and automatically reject all calls that are not in your Contacts list.

Set Up Call Rejection Messages

- 1. Touch Create to manually add a reject message.
 - or -

Touch one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message, if desired.

2. Touch Save to save the reject message.

Answering/Ending Calls

The following options are available:

- The home key answers calls: Accept incoming calls by pressing the Home key.
- Voice control: Accept incoming calls by using your voice.
- The power key ends calls: End a call by pressing the Power/Lock key without turning off the screen.

Turn Off Screen During Calls

This option turns on the proximity sensor during calls so that your phone will know to turn the screen off to save power.

 Touch Turn off screen during calls to create a check mark and enable the feature.

Call Alerts

Touch the following options to create a check mark and activate the features:

- Answer vibration: Set your phone to vibrate when the called party answers the phone.
- Call-end vibration: Set your phone to vibrate when the call ends.
- Call connect tone: Play a tone when a call is connected.
- Minute minder: Beep twice every minute that you are on a call.
- Call end tone: Play a tone when a call is ended.
- Alerts during calls: Turn on alarm and message notifications during a call.

Call Accessories

The following options are available:

- Automatic answering: Configures the device to automatically answer an incoming call when a headset is detected.
- Automatic answering timer: Configures the time delay before the device automatically accepts the incoming call.
- Outgoing call conditions: Make calls even when the device is locked.

Additional Settings

Touch one of the following options:

- Caller ID: Choose how your Caller ID will be displayed. Select Network default. Hide number. or Show number.
- Call forwarding: Forward your calls to another number.
- Auto area code: Automatically prepend a specific area code to all outbound calls.
- Call waiting: The network service informs you when someone is trying to reach you during another call. Touch to activate.
- Auto redial: Automatically redial the last number if the call was either cut off or was unable to connect. Touch to activate.
- Fixed dialing numbers: Restrict outgoing calls to a limited set of phone numbers. For more information, refer to "Using Fixed Dialing Numbers" on page 166.

Ringtones and Keypad Tones

- 1. Touch Ringtones, select a ringtone, and touch **OK**.
- 2. Touch Vibrations, select a vibration type, and touch OK.
- Touch Vibrate when ringing to create a check mark if you want your phone to vibrate when a call is incoming.
- Touch Keypad tones to create a check mark if you want tones to play when the keypad is touched.

Personalize Call Sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

At the Personalize call sound display, touch one of the following options:

- In-call sound EQ: The In-call sound equalizer allows you to set your call sound during calls. Select from Off, Soft sound, Clear sound, Adapt Sound left, or Adapt Sound right.
- Adapt sound: Customize your sounds. Follow the on-screen instructions to set up your personal call sound.

Noise Reduction

This option helps to suppress background noise from your side during a call.

 Touch Noise reduction to create a check mark and enable the feature.

Increase Volume in Pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

 Touch Increase volume in pocket to create a check mark and enable the feature.

Voicemail Service

- Touch Voicemail service.
 Voicemail service provided by your carrier is the default.
- Touch My carrier to remove the carrier Voicemail service.

Voicemail Settings

You can view or modify your voicemail number from this menu.

- Touch Voicemail settings.
- Touch the Voicemail number field, backspace to erase the digits, and enter a new voicemail number using the keypad, then touch OK.
- 3. Touch OK.

Sound

To set your default ringtone:

- 1. Touch Sound.
- 2. Touch a ringtone to hear it played.
- 3. Select a ringtone and touch **OK**.

Vibrate

This option allows you select vibration settings.

 Touch Vibrate to create a check mark and activate the Vibrate feature.

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 will 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 connector cable.

- 1. Touch TTY mode.
- Touch TTY Full, TTY HCO, or TTY VCO.A green circle displays next to your selection.
- 3. Touch TTY Off to turn it off.

Hearing Aids

This option allows you to turn on Hearing aid compatibility on your device.

Touch Hearing aids to create a check mark and enable the Hearing aid compatibility feature.

Using Fixed Dialing Numbers Enabling FDN

- From the Settings screen, touch My device →
 Call → Additional settings → Fixed dialing numbers.
- 2. Touch Turn on FDN.
- At the prompt, enter your PIN2 code and touch OK. FDN is enabled.
- To enable FDN after it has been disabled, touch Turn off FDN, enter your PIN2 code and touch OK.

Important! 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 could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

- From the Settings screen, touch My device → Call → Additional settings → Fixed dialing numbers.
- 2. Touch Change PIN2.
- 3. At the prompt, enter your old PIN2 code.
- **4.** At the prompt, enter a new PIN2 code.
- 5. Confirm your PIN2 code.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

Note: Before you can manage an FDN list a list must be created.

- From the Settings screen, touch My device → Call → Additional settings → Fixed dialing numbers.
- 2. Touch FDN list.
- 3. A list of all existing FDN numbers will be displayed.
- 4.

Blocking Mode

When Blocking mode is enabled, notifications for selected features will be disabled. You will only receive notifications of incoming calls from people on your allowed list.

- From the Settings screen, touch Blocking mode.

 My device →
- 2. Touch the OFF / ON icon next to Blocking mode to turn it on NO.

Confirm that the Blocking mode active icon displays in the Status bar.

- Place a green check mark adjacent to those features you would like to enable. Choose from: Turn off incoming calls, Turn off notifications, Turn off alarm and timer, and Turn off LED indicator.
- Configure a timeframe for these features to be active.
 Remove the check mark from the Always field to configure the From and To time fields.

Touch Allowed contacts to assign those contacts that are exempted from these rules.

Allowed contacts will then appear in the **Allowed** contact list.

Driving Mode

When Driving mode is enabled, incoming calls and notifications will be read out automatically.

- From the Settings screen, touch Driving mode.

 My device →
- Touch the OFF / ON icon next to Driving mode to turn it on ON.

Confirm that the Driving mode active icon
appears in the Status bar.

All incoming calls and notifications will be read out automatically.

Note: You can disable Driving mode by saying "Driving mode off" while in S voice, or by accessing the Settings menu and sliding the Driver mode slider to the off position or by using the Notification panel.

Power Saving Mode

Power saving mode allows you to manage your phone to conserve power.

- From the Settings screen, touch My device → Power saving mode.
- Touch the OFF / ON icon next to Power saving mode to turn Power saving mode on N.
- 3. Touch the following options to create a check mark and conserve power:
 - **CPU power saving**: Limit the maximum performance of the CPU.
 - Screen power saving: Lower the screen power level.
 - Auto enable: Automatically turn on Power saving mode when the battery falls below 20% even if Power saving mode is off.
- **4.** Touch **Learn about Power saving mode** to learn about various ways to conserve battery power.

Accessory Settings

This menu allows you to select the Audio output mode when using a car or desk dock.

- From the Settings screen, touch Accessory.
 My device →
- Touch Dock sound to play sounds when inserting or removing the phone from the dock.
- Touch Audio output mode to use the external dock speakers when the phone is docked.
- Touch Desk home screen display to display the desk home screen whenever the phone is docked.
- Touch Automatic unlock if you are using a phone cover and you want your phone to unlock when you open the cover.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from Play Store and manage their use here.

- From the Settings screen, touch My device →
 Accessibility.
- 2. The following options are available:
 - Auto rotate screen: Automatically rotate the screen from landscape to portrait when you rotate your phone.
 - Screen timeout: Timeout the accessibility feature after a defined amount of time.
 - Secured lock time: Lock the screen after the selected amount of inactivity time.

Note: Secured lock time option only appears after you set a Screen Lock other than Swipe or None. (See "Screen Lock" on page 157.)

- **Speak passwords**: Read out password information.
- Answering/ending calls: Accept incoming calls by pressing the Home key or end calls using the power key.
- Show shortcut: Allow the accessibility shortcut under the device options to be used by pressing and holding the Power/Lock key.
- Manage accessibility: Save and update your accessibility settings or share them with another device. You can export your settings, import a previously saved file, or share your file with another device.
- TalkBack: Activate the TalkBack feature.

Note: TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

- Font size: Change the size of the fonts used on the device within menus, options, etc. Choose from: Tiny, Small, Normal, Large, or Huge.
- Magnification gestures: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- Negative colors: Reverse the display of on-screen colors from White text on a Black background to Black text on a White background.
- Color adjustment: Adjust the display colors, if you are color blind and have difficulty reading the display because of the colors. Touch and slide the slider to the right to turn it on

 Follow the on-screen instructions.
- Missed notification reminder: Play a beep when a notification for a call, message, and so on, has been missed.
- Text-to-speech options: Adjust your text-to-speech settings.
 For more information, refer to "Speech" on page 174.

- Enhance web accessibility: Allow apps to install scripts from Google that make their Web content more accessible.
 Touch Allow.
- **Sound balance**: Use the slider to set the Left and Right balance when using a stereo device.
- Mono audio: Enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/ earphone.
- Turn off all sounds: Mute every sound made by the device.
- Flash notification: Set your camera light to blink whenever you receive a notification.
- Assistant menu: Improve the device accessibility for users with reduced dexterity. Touch and slide the slider to the right to turn it on
- Press and hold delay: Select a time interval for this action.
- Interaction control: Enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction. Touch and slide the slider to the right to turn it on

Browser Bar

The Browser Bar option allows you to set up a Browser Bar for the web browser.

- From the Settings screen, touch My device → Browser Bar.
- Follow the on-screen instructions to set up or modify your Browser Bar.

Language and Input

Use this menu to configure the language in which to display the menus. You can also set on-screen keyboard options.

■ From the Settings screen, touch My device → Language and input.
The following options display.

Language

You can change the language used by your device by following these steps:

- 1. From the Language and input screen, touch Language.
- 2. Touch a language from the list.

Keyboards and Input Methods

You can change the keyboard used by your device by following these steps:

 From the Language and input screen, touch Default and select a keyboard.

Select Samsung keyboard or Swype.

- or -

Touch Set up input methods.

2. To configure the settings for an input method, touch the connext to it.

Depending on the input method selected, the appropriate settings display and are explained below.

Google Voice Typing

To configure Google voice typing:

From the Language and input screen, touch
 Google voice typing.

The following options are available:

- Choose input languages: Touch a language that you want to input. Select Automatic to use the local language or select a language from the list.
- Block offensive words: Create a check mark and enable the blocking of recognized offensive words from the results of your voice-input Google typing.
- Download offline speech recognition: Enables voice input while offline.

Samsung Keyboard

To configure the Samsung keyboard:

From the Language and input screen, touch samsung keyboard.

The following options are available:

- **Alphabets**: Choose a keyboard configuration to be used when entering letters (Qwerty keyboard [default] or 3x4 keyboard).
- Numbers and symbols: Choose a keyboard configuration to be used when entering numbers or symbols (Owerty keyboard [default] or 3x4 keyboard).
- Input languages: Set the input language. Touch a language from the available list. The keyboard is updated to the selected language.
- Predictive text: Enable predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings. Touch and slide the slider to the right to turn it on

The following options are available:

 Personalized data: Use personal language that you have added to make your prediction results better.

- Learn from Facebook: Log in to your Facebook account so your phone can learn your Facebook style.
- Learn from Gmail: Log in to your Gmail account so your phone can learn your Gmail style.
- Learn from Twitter: Log in to your Twitter account so your phone can learn your Twitter style.
- Learn from Messages: Allow your device to learn from your Messages.
- Learn from Contacts: Allow your device to learn from your Contacts.
- Clear remote data: Delete anonymous data that is stored on the personalization server.
- Clear personal data: Remove all personalized data that you have entered.
- Privacy policy: Read the privacy policy. Follow the on-screen instructions.
- SwiftKey Flow: Enable or disable the SwiftKey Flow feature.
 When enabled, you can enter text by sliding your finger across the keyboard.

- **Cursor control**: Move the cursor by sliding your finger across the keyboard.
- Key-tap sound: Enable or disable auditory feedback when you touch an on-screen key.
- Advanced: Touch to display the following advanced options:
 - Auto capitalization: Automatically capitalize the first letter of the first word in each sentence (standard English style).
 - Auto spacing: Automatically insert spaces between words.
 - Auto punctuate: Automatically insert a full stop in a sentence by touching the space bar twice when using the on-screen QWERTY keyboard.
 - Character preview: Provide an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- Tutorial: Display more information about using the Samsung keyboard.
- Reset settings: Reset the keyboard settings back to their original configuration.

Swype

To configure Swype settings:

- From the Language and input screen, touch to Swype Swype to display the following options:
 - Settings: Configure basic Swype settings. When an option is enabled, a check mark appears in the check box.
 - My Words: Set options for managing your dictionary and data.
 - Languages: Manage the language used for Swype. The default language is English. Touch Download languages, to download additional languages.
 - Gestures: Display helpful information on using gestures while using Swype.
 - Help: Touch How to Swype to view an on-screen manual for Swype. Touch Show helpful tips for more Swype information.
 - **Updates**: Check for available Swype updates.

Speech

This menu allows you to set the speech settings for Voice input.

- From the Language and input screen, touch Voice search to configure the following:
 - Language: Choose a language for your voice input.
 - Speech output: Sets whether you will use speech output always or only when using Driving mode.
 - Block offensive words: Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
 - Hotword detection: Enable to being able to launch voice search by saying the word "Google".
 - Download offline speech recognition: Enables voice input while offline.
 - Bluetooth headset: Record audio through a Bluetooth headset if available.

Voice output provides audible readout of text, for example, the contents of email messages.

- From the Language and input screen, touch
 Text-to-speech options and select the preferred TTS engine, Samsung text-to-speech engine or Google Text-to-speech Engine.
- 2. Touch an ext to the preferred TTS engine and configure.
- 3. Under General, configure the following:
 - Speech rate: Set the speed at which the text is spoken.
 - Listen to an example: Play a sample of speech synthesis (available if voice data is installed).

Pointer Speed

This option sets your Pointer speed for your mouse or trackpad when you are using a keyboard dock accessory.

- From the Language and input screen, touch Pointer speed.
- Drag the slider to the right to go faster or to the left to go slower.
- 3. Touch **OK** to save your setting.

Motions and Gestures

The Motions and Gestures settings allow you to set up various Motion activation services. For more information on using gestures, see "Using Motions and Gestures" on page 25.

From the Settings screen, touch My device → Motions and gestures.

Motion

Motion allows you to control your device by performing natural movements

- 1. From the Motions and gestures screen, touch Motion.
- 2. Touch the ON/OFF icon at the top of your screen to activate Motion.
- 3. Touch the ON/OFF icon to the right of each of the following options to turn the option on:
 - Direct call: Once enabled, the device will dial the currently displayed on-screen Contact entry as soon as you place the device to your ear.
 - Smart alert: Once enabled, pickup the device to be alerted and notified of you have missed any calls or messages.

- Zoom: Once enabled, you must be on a screen where content
 can be zoomed. In a single motion, touch and hold two points
 on the display then tilt the tilt the device back and forth to zoom
 in or out.
- Move an icon: Once enable, you can move an icon to another page by holding the icon, then moving the device to the left or right.
- Browse an image: Once enabled, touch and hold a desired on-screen image to pan around it. Move the device left or right to pan vertically or up and down to pan horizontally.
- Mute/pause: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface.

Palm Motion

Palm motion allows you to control your device by touching your screen with the palm of your hand.

- From the Motions and gestures screen, touch Palm motion.
- 2. Touch the ON/OFF icon at the top of your screen to activate Palm motion.
- 3. Touch the ON/OFF icon to the right of the following option to turn the option on:
 - Mute/pause: Once enabled, you can pause any on-screen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.

Gyroscope Calibration

Gyroscope calibration allows you to calibrate motion correctly using the device's built-in gyroscope.

- From the Motions and gestures screen, touch Gyroscope calibration.
- 2. Place your device on a flat surface.
- Touch Calibrate.When finished, Calibrated displays on your screen.
- 4. Touch **Back** to return to the previous screen.

Smart Screen

The Smart screen options allow you to customize your screen settings to make the screen more responsive and easier to use.

- From the Settings screen, touch My device → Smart screen
- To set the screen to stay on as long as you look at it, touch Smart stay to create a check mark and activate the feature.

Voice Control

The Voice control settings allow you to set up voice commands to control your device.

- From the Settings screen, touch My device → Voice control.
- 2. Touch the ON/OFF icon at the top of your screen to activate Voice control.
- The following options are available. Touch an option to create a check mark and activate the feature.
 - Incoming calls: Answer or reject calls using the commands Answer and Reject.
 - Alarm: Stop or snooze an alarm by using the commands Stop and Snooze.
 - Camera: Take pictures using the voice commands Capture,
 Shoot, Smile, or Cheese.
 - Music: Control your Music app using the voice commands
 Next, Previous, Play, Pause, Volume up, and Volume down.

Note: If you set the alert type for calls or alarms to vibration, voice control will not be available.

Accounts

This menu allows you to set up, manage, and synchronize accounts, including your Google and email accounts.

Adding an Account

- 2. Touch one of the account types.
- Use the keyboard and follow the prompts to enter your credentials and set up the account.

A green circle displays next to an account type once you have created it. Your accounts are also displayed in the **Mv accounts** section of the main Accounts menu.

Removing an Account

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

- **1.** From the **Settings** screen, touch Accounts.
- Touch the account you want to delete, which is located in the Mv accounts section.
- 3. Touch the account name.
- 4. At the bottom of the screen, touch Remove account.
- 5. At the Remove account? prompt, touch Remove account.

The account, and all its messages, contacts, and other data, is deleted.

Synchronizing Accounts

Select the items you want to synchronize on your account such as Books, Calendar, Contacts, and more.

- 1. From the **Settings** screen, touch Accounts.
- Touch the account you want to synchronize, which is located in the My accounts section.
- 3. Touch the account name.

The Sync settings screen displays.

- Touch Sync now to synchronize your account or only touch the Sync items that you want to synchronize.
- Touch **Cancel sync** to stop the synchronization.
- Touch Account settings to access your account settings.
- Touch Storage usage to see your storage usage for different applications.
- Touch Sync all to synchronize all accounts of this type.

Signing In to Your Samsung Account

Several applications and options require that you create and sign in to a Samsung Account.

To sign in to your Samsung account:

- Touch Samsung account.
 The Samsung account sign in screen displays.
- 3. Touch variety of services to display information about Samsung services that are available.
- If you have no Samsung account, touch Create new account.
 - or –

If you do have a Samsung account, touch Sign in.

The Samsung account screen displays.

5. Use the keyboard to enter the required information and touch **Sign up** or **Sign in**.

Tip: The password is for your Samsung account, not the password you use for the email address you are entering. Plus, you can use only letters, numbers, !, @, \$, %, &, ^, and * for your Samsung account password.

6. If you are creating a new account, the Terms and Conditions screen displays. Read the Terms and conditions, Special terms, and Privacy policy and touch I accept all the terms above.

The Settings screen displays with Samsung account listed under Accounts.

Back Up and Reset

The Back up and reset settings allow you to back up your data, back up accounts, automatically restore your phone, and reset your phone settings to the factory settings.

Back Up My Data

By setting this option, the Google server will back up all of your settings and data.

- From the Settings screen, touch Accounts →
 Back up and reset.
- Touch Back up my data to enable or disable back up of application data, WI-Fi passwords, and other settings to the Google server.

Backup Account

If you have enabled the **Back up my data** option, then the **Backup account** option is available.

- Touch Backup account and touch your Google Gmail account or touch Add account to set your Google Gmail account to be backed up to the Google server.

Automatic Restore

By setting this option, when you reinstall an application, all of your backed up settings and data will be restored.

- From the Settings screen, touch Accounts →
 Back up and reset.
- Touch Automatic restore to enable or disable automatic restoration of settings from the Google server.

Factory Data Reset

From this menu you can reset your phone and sound settings to the factory default settings.

- Touch Factory data reset.
 The Factory data reset screen displays reset information.

Touch Reset device, then follow the prompts to perform the reset.

Warning! Performing a Factory data reset erases all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It does not erase current system software, bundled applications, and external SD card files such as music and photos.

Location Services

The Location services settings allow you to set up how the phone will determine your location and the sensor settings for your phone.

- From the Settings screen, touch More →
 Location services.
- Touch any of the following options to create a check mark and activate the service:
 - Access to my location: Allow apps that have asked your permission to use your location information. Touch the ON/OFF icon
 to turn it on.
 - Use GPS satellites: Allow applications to use GPS to pinpoint your location.
 - Use wireless networks: Allow applications to use data from mobile networks and Wi-Fi to help determine your location.
 - My places: Add location information for your Home, Office, and Car.

Security

The Security settings allow you to determine the security level for your phone.

Encryption

To require a numeric PIN or password to decrypt your phone each time you power it on or encrypt the data on your SD card each time it is connected:

- From the Settings screen, touch More → Security.
- You must first set up a screen lock type if you have not already done so. For more information, refer to "Screen Lock" on page 157.
- Touch Encrypt device. For more information, read the displayed help screen.
- Touch Encrypt external SD card to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

Set Up or Change Password

Use this option to set up your password when one is first required or change your current password.

- From the Settings screen, touch More → Security
 → Set up/change password.
- 2. Enter a new password and touch Confirm.
- 3. Enter the new password again and touch Confirm.

Set Up SIM Card Lock

To prevent another person from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card, you can protect the information by using a PIN code.

When enabled, your phone asks for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

- From the Settings screen, touch More → Security.
- 2. Touch Set up SIM card lock.
- 3. Touch Lock SIM card, enter your SIM PIN code, then touch OK.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

To change your SIM PIN code:

- 1. Touch Change SIM PIN.
- 2. Enter your old SIM PIN code and touch OK.
- 3. Enter your new SIM PIN code and touch **OK**.
- 4. Re-type your new SIM PIN code and touch OK.

Forgotten SIM PIN Password

If you enter the wrong SIM PIN more than 3 times, you must contact your AT&T Customer Service Representative to get the PUK code for your device.

- Each time you enter a wrong SIM PIN number the phone displays how many attempts you have remaining.
- After the third incorrect attempt, SIM is now disabled, Enter PUK code to continue. Contact carrier for details displays and your SIM card is locked.

- 3. When you receive the new PUK code from your AT&T Customer Service Representative, enter it in the Plik code field
- 4. Enter a new PIN code in the Enter a new PIN field and touch OK.
- 5. Enter the new PIN code again in the Confirm your new PIN field and touch OK.

Note: While your SIM PIN is locked, you can still make Emergency calls, if necessary.

Make Passwords Visible

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

- 1. From the Settings screen, touch More → Security.
- Touch Make passwords visible to enable or disable brief displays of password characters.
 - When enabled, a check mark displays in the check box.

Device Administrators

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost of stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

- 1. From the **Settings** screen, touch More → Security.
- Touch Device administrators.
- Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Play Store.

Unknown Sources

check box.

This feature allows you to download and install non-Market applications.

- From the Settings screen, touch More → Security.
- Touch Unknown sources.When enabled, a check mark displays in the

from unknown sources.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications

Verify Apps

This feature allows you to either block or warn you before installing apps that may cause harm to your phone.

- From the Settings screen, touch More → Security.
- Touch Verify apps.
 When enabled, a check mark displays in the check hox.

Trusted Credentials

If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

- From the Settings screen, touch More → Security.
- 2. Touch Trusted credentials.

The trusted credentials screen has two tabs:

- System: Display CA certificates that are permanently installed in the ROM of your device.
- **User**: Display any CA certificates that you installed, for example, in the process of installing a client certificate.
- Touch a CA certificate to examine its details.A scrolling screen displays the details.
- Scroll to the bottom of the details screen and touch Turn off to disable a System certificate.

Caution! When you disable a system CA certificate, the

Turn off button changes to Turn on, so you can enable
the certificate again, if necessary.

Touch **0K** to return to the certificate list.
 When enabled, a check mark displays in the check hox.

Install from Device Storage

Install encrypted certificates from an installed memory card.

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

- From the Settings screen, touch More → Security.
- Touch Install from device storage, then choose a certificate and follow the prompts to install.

Clear Credentials

Clear stored credentials.

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

- From the Settings screen, touch More → Security.
- 2. Touch Clear credentials to remove all certificates.

Application Manager

You can download and install applications from Play Store or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

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

Memory Usage

See how memory is being used by Downloaded or Running applications.

- From the Settings screen, touch More →
 Application manager.
- Touch DOWNLOADED, ON SD CARD, RUNNING, or ALL to display memory usage for that category of applications.

The graph at the bottom of the DOWNLOADED tab shows used and free device memory. The graph at the bottom of the RUNNING tab shows used and free RAM

Downloaded

Displays apps you have downloaded onto your device.

- From the Settings screen, touch More → Application manager.
- Touch the **DOWNLOADED** tab to view a list of all the downloaded applications on your device.
- To switch the order of the lists displayed in the Downloaded tabs, touch ■ Menu → Sort by size or Sort by name.
- To reset your application preferences, touch
 Menu → Reset app preferences.

Note: This will reset the preferences for disabled apps, disabled app notifications, default applications for actions, and background data restrictions for apps. You will not lose any app data.

Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

SD Card

Displays apps you have downloaded onto your SD card.

- From the Settings screen, touch More → Application manager.
- Touch the SD CARD tab to view a list of all the downloaded applications on your device.
- To switch the order of the lists displayed in the SD CARD tab, touch Menu → Sort by size or Sort by name.
- To reset your application preferences, touch
 Menu → Reset app preferences.

Note: When you Reset app preferences, you will not lose any app data.

Touch an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

- From the Settings screen, touch More →
 Application manager.
- Touch the RUNNING tab. All the applications that are currently running on the device display.
- Touch Show cached processes to display all the cached processes that are running. Touch Show services in use to switch back.
- Touch one of the applications to view application information.

The following options display:

• **Stop**: Stops the application from running on the device. This is usually done prior to uninstalling the application.

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

• **Report**: Report failure and other application information.

Note: Options vary by application.

Battery

See how much battery power is used for device activities.

From the Settings screen, touch More → Battery.

The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.

Touch Screen, Android OS or any other listed application to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the SD card.

For more information about mounting or unmounting the SD card, see "Memory Card" on page 36.

To view the memory allocation for your external SD card:

■ From the Settings screen, touch More → Storage.

The available memory displays under the **Total space** and **Available space** headings for both Device memory and SD card.

SD Card

- Touch Unmount SD card to unmount your SD card so that you can safely remove it, then touch OK.
 - or -
- Touch Format SD card to format your SD card. This will delete all data on your SD card including music, videos, and photos.
- 2. Touch Format SD card again.
- Touch Delete all to continue or touch Back to cancel.

Note: The Format SD card option is only available when your SD card is mounted.

Date and Time

This menu allows you to change the current time and date displayed.

- From the Settings screen, touch More → Date and time.
- 2. Configure the following settings:
 - Automatic date and time: Allow the network to set the date and time. Deactivate Automatic date and time to use the Set date and Set time options.
 - **Set date**: Touch the up and down arrows to set the month, day, and year, and then touch **Set**.
 - Set time: Touch the up and down arrows to set the hour, minute, and AM or PM, and then touch Set.
 - Automatic time zone: Allow the network to set the time zone.
 Deactivate Automatic time zone to use the Select time zone option.
 - **Select time zone**: Choose your local time zone.
 - Use 24-hour format. Touch to create a check mark. If this is not selected, the phone automatically uses a 12-hour format.
 - **Select date format**: Set the format for date displays.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernal version, and software build number.

To access phone information:

- From the Settings screen, touch More → About device.
- 2. The following information displays:
 - Software update: Update your phone software, if available. For more information, refer to "Software Update" on page 191.
 - Status: View the status of your device. Battery status, Battery level, Network, Signal strength, and so on, are displayed as described on the screen.
 - Legal information: Touch an option to display open source licenses or Google legal information.
 - Device name: Enter the name for your device. The default is the model number: SAMSUNG-SGH-I257.
 - Model number: Display the phone's model number.

- Android version: Display the Android version loaded on this handset.
- Baseband version: Display the baseband version loaded on this handset.
- Kernel version: Display the kernel version loaded on this handset
- Build number: Display the software, build number.
- SELinux status: Display the status of SELinux. SELinux is a set of security policies and modules that is applied to the device to improve the overall security.
- Secure boot status: Display the status of the Secure boot.

Note: Baseband, kernal and build numbers are usually used for updates to the handset or support. For additional information please contact your AT&T service representative.

Software Update

The AT&T Software Update feature enables you to use your phone to connect to the network and upload any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

- From the Settings screen, touch More → About device → Software update.
- 2. Touch Check for updates.
- At the AT&T Software update prompt, touch OK to continue.

- The phone automatically updates the software (if available), otherwise, when the Current software is up to date prompt displays, touch OK.
- 5. When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, touch Continue update.

Section 10: Health and Safety Information

This device is capable of operating in Wi-Fi[™] mode in the 2.4 and 5 GHz bands. The FCC requires that devices operating within 5.15-5.25 GHz may only be used indoors, not outside, in order to avoid interference with Mobile Satellite Services (MSS). Therefore, this device is restricted from being used outdoors when operating in frequencies between 5.15-5.25 GHz.

This section outlines the safety precautions associated with using your phone. The terms "mobile device" or "cell phone" are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules.

Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a

slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at

http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at

http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at

http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- · Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth[®] headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike "hands-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

• FCC RF Safety Program:

http://www.fcc.gov/oet/rfsafety/.

- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/.

 (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.
- US Food and Drug Administration:
 http://www.fda.gov/Radiation-EmittingProducts/
 RadiationEmittingProductsandProcedures/
 HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone. Before a new model phone is available for sale to the public. it must be tested and certified to the ECC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. This mobile phone has an FCC ID number: A3LSGHI257 [Model Number: SGH-i257] and the specific SAR levels for this mobile phone can be found at the following FCC website: http://www.fcc.gov/oet/ea/.

The SAR information for this device can also be found on Samsung's website: http://www.samsung.com/sar.

SAR information on this and other model phones can be accessed online on the FCC's website through http:// transition.fcc.gov/oet/rfsafetv/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone, Additional SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-

cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

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

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or 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 or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- · Secure your phone within easy reach;
- · Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

 Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

- Do not let the phone or battery come in contact with liquids.
 Liquids can get into the phone's circuits, leading to corrosion.
 Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- Do not place your battery in or near a heat source. Excessive
 heating can damage the phone or the battery and could cause the
 phone or the battery to explode. Do not dry a wet or damp battery
 with an appliance or heat source such as a microwave oven, hair
 dryer, iron, or radiator. Avoid leaving your phone in your car in
 high temperatures.
- Do not dispose of the phone or the battery in a fire. The phone or the battery may explode when overheated.
- Do not handle a damaged or leaking battery. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

- Avoid dropping the cell phone. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Do not allow the battery to touch metal objects. Accidental
 short-circuiting can occur when a metallic object (coin, key,
 jewelry, clip, or pen) causes a direct connection between the +
 and terminals of the battery (metal strips on the battery), for
 example when you carry a spare battery in a pocket or bag.
 Short-circuiting the terminals may damage the battery or the
 object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- Do not use incompatible cell phone batteries and chargers.
 Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers.
 Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:

http://pages.samsung.com/us/recyclingdirect/ usactivities_environment_samsungrecyclingdirect_locations.jsp Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at:

http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to

http://fun.samsungmobileusa.com/recycling/index.jsp.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the "Standard Limited Warranty".

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

 Always tell the emergency responder your location to the best of your ability; and Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to

make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

- 1. If the phone is not on, switch it on.
- Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
- **4.** Touch the key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device

may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones

that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you
 choose to listen to your portable device in a noisy environment,
 use noise-cancelling headphones to block out background
 environmental noise. By blocking background environment noise,
 noise cancelling headphones should allow you to hear the music
 at lower volumes than when using earbuds.

- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss.
 Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you
 experience ringing in your ears, hear muffled speech, or
 experience any temporary hearing difficulty after listening to your
 portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet:

http://www.audiology.org/Pages/

default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health 31 Center Drive, MSC 2320 Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:

http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200 Patriots Plaza Building Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:

http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON:
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-fags.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion

or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telegoil mode.

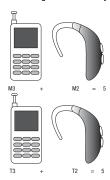
Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a

hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts. or accessories.

- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use
 of wireless mobile devices in aircraft is illegal and may be
 dangerous to the aircraft's operation. Check with appropriate
 authorities before using any function of a mobile device while on
 an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eves.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.

- Reduce risk of repetitive motion injuries. When you repetitively
 perform actions, such as pressing keys, drawing characters on a
 touch screen with your fingers, or playing games, you may
 experience occasional discomfort in your hands, neck, shoulders,
 or other parts of your body. When using your device for extended
 periods, hold the device with a relaxed grip, press the keys lightly,
 and take frequent breaks. If you continue to have discomfort
 during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 11: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA. LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone Batteries 1 Year 1 Year

Case/Pouch/Holster

90 Days

Other Phone Accessories 1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture. dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG: (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG: (a) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source: (i) defects or damage resulting from cellular signal reception

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or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the

remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES. INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION. COMMERCIAL LOSS OF ANY SORT: LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL. CONSEQUENTIAL OR PUNITIVE DAMAGES: OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT, SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS. OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

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Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are \$5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or \$50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed \$5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. This arbitration provision also applies to claims against

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the Samsung Customer Care Center for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC

1301 E. Lookout Drive Richardson. Texas 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

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