

# Character™

PORTABLE
DUAL-BAND
MOBILE PHONE

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

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## **Section 1: Getting Started**

This section explains how to start using your SCH-R640 phone by activating your service, setting up your Voicemail, or getting an understanding of how this manual is put together.

## **Understanding this User Manual**

The chapters of this manual generally follow the same order as the menus and sub-menus in your phone. A robust index for quick reference to most features begins on page 243.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the quide, beginning on page 190.

## **Notes and Tips**

Throughout this manual some text is set apart from the rest. In this way, important information, quick methods for activating features, to define terms, and more are emphasized. The definitions for these methods are as follows:

- Notes: Explain alternative options within the current feature, menu, or submenu.
- Tips: Provide quick or innovative methods for performing functions related to the subject at hand.
- Important: Points out important information about the current feature that could affect performance, or even damage your phone.

#### Text Conventions

This manual provides condensed information about how to use your phone. To make this possible, the following terms and icon appear in place of repeatedly-used procedural steps:

# select Tap a menu item or screen item to launch, access, or save a highlighted menu item or screen field of interest.

→ Used in place of "select" in long "drill down" procedure steps.

Example: "...Settings → Call Settings → Answer Options..."

## **Charging the Battery**

Your phone is powered by a rechargeable standard Li-lon battery. Only use Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Use of other accessories may invalidate your warranty and may cause damage.

#### Use the Travel Adapter

The travel adapter included with your phone is a convenient, lightweight charger that rapidly charges your phone from any 120/220 VAC outlet.



 Plug the Travel Adapter's Charging Head into a standard 120 VAC or 220 VAC wall outlet

Importantt: For connection to an electrical supply not located in North America, you must use an adaptor of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

If needed, install the battery in the phone. (For more information, refer to "Install the Battery" on page 10.) Insert the smaller end of the Travel Adapter into the charger/ accessory connector on the upper left side of your phone.



Warning!: Your 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 (see "Warranty Information" on page 229).

**Important!:** You must unplug the adapter before removing the battery from the phone during charging to avoid damage.

#### Low battery indicator

The battery indicator (( ( ) ) in the upper-right corner of the display indicates power level. Monitor the battery strength and ensure your battery is adequately charged.

- Five bars (( ) indicate a full charge.
- An empty battery icon ( ) indicates a near empty battery.
- A blinking empty battery icon (( ) and a tone sounding indicate you have two to three minutes before the battery is too low to operate the phone.
   If you continue to use your phone without charging its battery, the phone will shut down.

## **Activating Your Phone**

Contact your Wireless Carrier and follow their instructions for obtaining service, if necessary. We suggest that you read this guide to fully understand the services your phone supports.

#### **Install the Battery**

Note: Your phone comes packaged with a partially charged rechargeable standard Li-lon battery and travel adapter.

Important!: You must fully charge the battery the first time you use your phone, otherwise you could damage the battery. From fully discharged to fully charged, the battery requires up to 4 hours of charge time.  If needed, lay the phone face down and insert a small coin into the slot at the top of the battery cover (1) and gently pry it away from the phone. Then, lift the cover away from the phone (2).



First, insert the top end of the battery (1), matching the gold contacts on the battery to those on the inside of the phone.



Press lightly on the bottom end of the battery (2) down into the phone until it slips into place.  Place the bottom end of the battery cover over the battery (1) and press the battery cover down into place (2).



## **Remove the Battery**

- 1. Press and hold **r** to turn off the phone (if on).
- Lay the phone face down and insert a small coin into the slot at the bottom of the battery cover and gently pry it away from the phone. then lift the cover away from the phone (2).



Lift the battery up (1) and away (2) from the phone, bottom end first.



#### Turn Your Phone On

 Press and hold the End key (), on the bottom right of the phone.

Note: As with any other radio-transmitting device, do not touch the antenna (at the bottom of the device) while using your phone as this can affect call quality and can cause the phone to operate at a higher power level than is necessary.

- The phone begins searching for a network signal.
- Once the phone finds a signal, the Signal Strength icon (Yall) replaces the No Service icon (Yo).
- 4. You're now ready to place and receive calls.

Note: If you are outside of your carrier's coverage or roaming area, the No Service icon (\(\frac{\psi}{\psi}\)) appears at the top of the phone's display. If you cannot place or receive calls, try later when service is available, or at another location.

#### **Turn Your Phone Off**

Press and hold the End key (), on the bottom right of the phone, for two or more seconds. Your phone powers off.

Note: If your phone is on and you press for less than one second, the phone will not power off. This prevents your phone from being turned off accidentally.

## **Setting Up Your Voicemail**

Voicemail allows callers to leave voice messages, which can be retrieved any time.

Note: Once your Voicemail account has been set up, you can use the Voicemail folder (under the Message menu) to view details of voice messages in your Voicemail box.

#### To dial Voicemail:

- In Standby mode, tap the **Dialer** soft key. The Dialer screen appears in the display.
- Press and hold a root dial your own mobile number and press (For more information, refer to "Making a Call" on page 38.)
- Follow the prompts in the new user tutorial to setup your voice mail box.

#### Listen to Voicemail

- In Standby mode, tap the Dialer soft key.
- Press and hold press (or dial your own mobile number and press ). (For more information, refer to "Making a Call" on page 38.)
- You are prompted to enter your password.

## Storage Card (Optional)

You can install a microSD<sup>TM</sup> or microSDHC<sup>TM</sup> Storage Card to provide additional memory for storing files (such as, music/sound files and photos) in your phone.

Note: Using the Music Player requires that you first install a Storage Card.

Tip: Storage Cards with a storage capacity of over 16 GB will not work with this phone.

#### **Install a Memory Card**

- Remove the battery cover. (For more information, refer to "Remove the Battery" on page 13.)
- Hold the card with the label facing up and the gold contacts of the card facing down, as shown, then carefully slide the memory card into the memory card slot until you feel it click into place.



Tip: Memory Cards written to and/or formatted by other devices are likely to slow your phone's response to commands and produce other unwanted results. To avoid such problems, format a used microSD Memory Card after inserting it in your handset. (For more information, refer to "Formatting a Memory Card" on page 188.)

3. Replace the battery cover.

#### Remove a Memory Card

- Remove the battery cover. (For more information, refer to "Remove the Battery" on page 13.)
- Carefully press the memory card inward until you feel it release.
- Slowly release your pressure on the card. It will slide outward a short distance.
- Remove the memory card from the memory card slot.
- If desired, install another memory card and replace the battery cover. (For more information, refer to "Install a Memory Card" on page 16.)

## **Section 2: Understanding Your Phone**

This section outlines some key features of your phone. It also describes the screen format and the icons that will be displayed when the phone is in use.

#### **Features of Your Phone**

- Full-screen Touch Screen [high-resolution (240 x320 pixels), color]
- Widget menu
- . Messaging (Text and Picture) with sliding QWERTY Keypad
- · Built-in 1.3 Megapixel Digital Camera
- · High speed (1x) data
- Bluetooth<sup>®</sup> Stereo (v2.0) Wireless Technology (see Note)
- · Global Positioning (GPS) Technology
- PIM Functions
- · Voice and Touch Keypad Dial
- Music (MP3) Player
- Memory Card slot (for optional microSD™ cards up to 16 GB)
- · Voice Recognition
- Speakerphone

Note: The SCH-R640 supports the wireless handsfree profile and the serial port profile for Bluetooth<sup>®</sup> wireless technology. The SCH-R640 does not support Bluetooth OBEX profiles.

#### **Side Views of Your Phone**

- Earpiece: Lets you hear other parties to calls.
- Volume Key: Lets you adjust the ring volume in Standby mode, adjust the voice volume during a call, or mute the ringer during an incoming call.
- Display: Indicates the status of your phone (including numbers dialed, feature and function screens, status icons, message indicators and contents, signal strength, and so on) and shows all touch controls (hot buttons, keypads, and menus).
- Send Key: Lets you place or receive a call. In Standby mode, press the key once to access the Recent Calls log.
- Power / USB Connector: Used to connect charging accessories or any available USB cables to your phone.
- Headset Connector: Used to connect a headset or TTY device to your phone. (For more information, refer to "TTY Mode" on page 181.)



- Clear Key: Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.
- Microphone: Lets the other caller hear you clearly when you are speaking to them.
- Power On-Off/End Key: Turns the power on and off. Ends a call. Returns you to Standby mode from any feature, function, or menu.
- Camera Key: Launches the Camera feature of your phone and takes pictures. (For more information, refer to "Camera" on page 106.)
- Lock Key: Locks and unlocks the keys and the touch screen and lights the backlight.



## **Open View (Front) of Your Phone**



Open the QWERTY keypad by sliding the lower half of the phone to the left.

- Earpiece: Lets you hear other parties to calls.
- Display: Indicates the status of your phone, including numbers dialed, feature and function screens, status icons, message indicators, signal strength, and so on.
- Fn Key: Text Function Key Toggles text entry mode between ABC and Fn modes.

- Shift Key: Toggles ABC mode capitalization between ABC, Abc, and abc.
- Space Key: Inserts a space character in a text entry.
- OK Key: When navigating through a menu accepts the highlighted choice in a menu.
- Arrow (Navigation) Keys: In Menu mode, Left and Right arrow keys let you page from Main menu to Main menu; while Up and Down arrow keys let you scroll through the menu options.
- Next Line Key: In text entry mode, moves the cursor to a fresh, blank line.
- Back / Clear Key: Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.
- Send Key: Lets you place or receive a call. In Standby mode, press the key once to access the recent call log.
- 11. Back / Clear Key: Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.
- 12. Power On-Off/End Key: Ends a call. When you press and hold the key, the power goes On or Off. When you receive an incoming call, press to send the call to voicemail.

#### Closed Rear View of Your Phone

- Camera Lens: The lens of your built-in camera.
- Battery Cover: Lets you access your phone's battery.
- Speaker Grill: Lets you hear ringing and alert tones, alarm tones, and music.



## **Understanding the Display Screen**

- The top line of your phone's display contains icons that indicate network status, battery power, signal strength, connection type, and more.
- Tapping this button opens the Widget Tray that lists available widgets.
- These virtual lamps indicate which Home screen is currently showing. The sample screen indicates Home screen 1 is showing.
- The center portion of the display shows Widgets and information such as call progress information, messages, and photos.

1

2

3

4

- 5. The bottom line of the display shows available soft keys. The sample screen shows the following soft keys:
  - Dialer: Launches the Dialer screen that lets you place calls.
  - Contacts: Launches the Contacts list screen.
  - Messaging: Launches the Messaging menu.
  - Menu: Launches the Main Menu1.

A) (III

With the QWERTY keypad open, the display rotates automatically from portrait mode (as shown above) to landscape mode (as shown here).



## **Display Screen Icons**

Your SCH-R640 phone can show you definitions of the icons that appear on the top line of the display.

To access the Icon Glossary:

In Standby mode, tap Menu → Settings → Phone Info → Icon Glossary. A scrollable list of icons and their definitions appears in the display.

### Using the Widget Tray

The Widget Tray contains Widget icons that you can tap to place the corresponding Widget onto one of the three Home screen panels.

- In Standby mode, select one of the three Home screen panels by swiping your finger horizontally across the display.
- Open the Widget Tray by tapping the Widget button in the upper left corner of the Home screen.
   The Widget Tray appears at the bottom of the Home screen and lists icons for those Widgets selected in the Widget settings.



Tip: You can hide or display individual widgets by changing the Widgets settings. (For more information, refer to "Widgets" on page 162.)

Scroll through the Widget icons by swiping left or right within the Widget Tray until a desired Widget icon appears. 4. Tap the desired Widget icon to copy the corresponding Widget onto the Home screen panel. To re-position the Widget on the

Home screen panel, press and drag the Widget to the desired position.

5. Once on the Home screen, you can tap a Widget to launch its function.



Note: You can return a Widget to the Widget Tray simply by pressing and dragging the Widget over the Widget Tray.



#### **Dialogue Boxes**

Dialogue boxes prompt for action, inform you of status, or warn of situations such as low battery. Dialogue boxes and their definitions are outlined below.

#### Choice

- Example: "Save Message?"

#### Reconfirm

- Example: "Erase All Messages?"

#### · Performing

- Example: "Sending..." "Connecting..."

#### Completed

- Example: "Message Saved"

#### Information

- Example: "New Message"

#### Error

- Example: "System Error!"

#### Warning

- Example: "Low Battery," "Memory Full!"

#### **Backlights**

Backlights illuminate the display and the keypad. When you press any key or slide the phone open, the backlights come on. They go off when no keys are pressed within a period of time set in the **Backlight** menu.

Note: During a phone call, the display backlight dims and turns off after 10 seconds to conserve battery power, regardless of the Backlight setting.

For more information, refer to "Backlight" on page 169.

#### Menu Navigation

Like the Home screen, the Main Menu has 3 panels.

To access your phone's menus, tap the **Menu** soft key, other soft keys, or icons on the Widget Tray or **Shortcuts** screen.

- In Standby mode, tap the Menu soft key. Main Menu panel 1 appears in the display.
  - To view the other Main Menu panels, swipe horizontally across the screen.



To access a menu, sub-menu, or application named in the display, tap the appropriate icon.

Note: Some applications with icons in the Main Menu are not preloaded on your phone. Tapping these icons launches the easyedge Catalog screen so that you can locate and download an associated application. (For more information, refer to "easyedge™" on page 133.)

#### Return to the Previous Menu

Press to return to the previous menu.

## **Learning More About Your Phone**

Your R640 phone contains tutorials about a number of its features. To access your phone's tutorials, do the following:

- From a Home screen panel, tap the Widget button. The Widget Tray appears in the display. (For more information, refer to "Using the Widget Tray" on page 26.)
- Copy the Tutorial Widget ( ) to the Home screen by tapping it.
- In the Home screen, tap ? The following tutorials are available:
  - · Physical Keys
  - Widget Tray
  - · Adjusting Volume
  - Making a Call
  - Contacts
  - Camera
  - · Music Player
  - · Widget and Menu
  - Zooming
- Select the desired tutorial.

### **Entering Text**

Your phone has a QWERTY ( Q W E E A T V) keypad to support quick and easy text input. You can enter text as you would when using a computer keyboard.

The keys are labeled with a letter on the lower half and a number or symbol on the upper half. Press the key corresponding to the character you want to enter.

Note: Your R640 also provides a predictive text entry function. (For more information, refer to "QWERTY Action" on page 173.)

In addition, you can use the following special function keys:

Press to delete characters.

Tip: You can also delete a character by pressing .

Press to start a new line.

In abc mode, press once to enter a single upper case letter.

In Abc mode, press once to select CAPS LOCK (ABC mode).

In ABC mode, press once more to remove CAPS LOCK.

Press to toggle entry mode between Abc, Fn (enter one of the symbols shown on the keyboard), and Fn ...

Tip: For additional symbols, tap the Symbols button.

En.

Space Press to insert a space in a text entry.

### Your Phone's Modes

#### Call Answer Mode

You can choose to answer a call by pressing any key except the key or key, or by pressing only the key. (For more information, refer to "Call Settinas" on page 180.)

## Input mode

Input mode determines how you enter text, numbers, and symbols. Optional input modes are **abc**, **Abc**, **ABC**, **Fn** (symbols), and **Fn** (symbols locked). While at any text entry screen:

- To toggle between abc and Abc and ABC, tap Shift.
- To toggle between abc / Abc / ABC mode and Fn mode, tap Fn.
- To toggle between Fn mode and Fn h mode, tap Fn.

(For more information, refer to "Entering Text" on page 31.)

### **Lock Mode**

When the phone is in Lock Mode, restrictions are placed on phone use. You can receive calls and messages, but cannot place outgoing calls (except for emergency numbers) until you unlock the phone. Lock Mode also restricts access to menus and the volume key. Unlock your phone by entering the lock code when prompted. (For more information, refer to "Edit Code" on page 175.)

## **Standby Mode**

Standby mode is the state of the phone once it has found service and is idle. The phone goes into Standby mode:

- · After you power the phone on.
- When you press after a call or from within a menu.

In Standby mode, you will see a home screen panel showing phone status icons and any widgets you have placed there.

### **Place Calls in Standby Mode**

- While in Standby mode, enter a phone number, and press to place a call.
- Press to return to Standby mode.

## **Receive Messages in Standby Mode**

You can receive messages in Standby mode. An alert tone sounds and a notification message appears in the display when a new message arrives. The following call message options appear:

- View Now: This selection allows you to view the messages now.
- View Later: This selection allows you to view the messages at a later date.
  - Select the desired viewing option.

#### Talk Mode

You can place and receive calls only when your phone is on. While in a call your phone is in talk mode. Tap the **Options** screen button to display a list of menu options. (For more information, refer to "In-Call Options" on page 50.)

## Speakerphone Mode

During a call, you can use your phone handsfree or share the call with other people nearby by placing your phone in Speakerphone Mode.

- To enable Speakerphone Mode:
  - Follow the prompt and unlock the screen.
- 2. Tap and slide the screen button to the **On** position.

Caution!: Keep the phone away from you ear while in Speakerphone Mode. (For more information, refer to "Responsible Listening" on page 217.)

Note: Your phone automatically enters Speakerphone Mode when you dial a call using the QWERTY keypad.

- To disable Speakerphone Mode:
  - Follow the prompt and unlock the screen.
  - 2. Tap and slide the screen button to the **Off** position.
    - or -

End the call by pressing .

#### Enter/Exit Silent Mode

Silence the tones your keypad makes when you press a key.

- . To enter Silent Mode:
  - ▶ In Standby mode, press the Volume key ( ) on the left side of the phone Down until "All Sounds Off" briefly appears in the display along with the Silence All icon ( ) and your phone returns to Standby mode.
- · To exit Silent Mode:
  - While in Silent mode and Standby mode, press the Volume key (on the left side of the phone) Up until "All Sounds Off" is replaced in the display by another sound setting. Your phone returns to Standby mode.

#### Vibrate Mode

### To enter Vibrate mode:

- In Standby mode, do one of the following:
  - Press the Volume key (on the left side of the phone) Down until "Vibrate
     Only" briefly appears in the display and your phone returns to Standby
     mode.
  - or -
  - Tap the Dialer soft key and press and hold the # key until "Vibrate mode activated" briefly appears in the display.

Note: The Vibrate On icon (( ) appears in the display when the phone is in Vibrate mode

### To return to Normal mode:

- In Standby mode, do one of the following:
  - Press the Volume key (on the left side of the phone) Up until a Master Volume setting other than "Vibrate Only" briefly appears in the display. Your phone returns to Standby mode.
  - or —
  - Tap the Dialer soft key and press and hold the # key until "Normal mode activated" briefly appears in the display.

## Adjust the Ringer

- In Standby mode, press the Volume key (on the left side of the phone) Up or Down. Options are:
  - · All Sounds Off

Medium Low

• Alarm Only • Vibrate Only Medium
 Medium High

Low

- High
- When you are satisfied with the setting, press the Set soft key. Your phone returns to Standby mode.

Note: The Vibrate icon (()) appears in the display when the call ringer is set to Vibrate.

Tip: You can also access the Master Volume setting by pressing the Menu soft key, then selecting Settings -> Sound Settings -> Master Volume. Use the Volume key on the left side of your phone to adjust the ringer volume setting.

### Camera Mode

Camera mode lets you activate your phone's camera to take pictures. In Camera mode, you can also adjust the resolution and appearance of your pictures. (For more information, refer to "Camera" on page 106.)

- Entering Camera Mode: In Standby mode, press the Camera key ( on the right side of the phone.
- Exiting Camera Mode: Press the wey.

## **Section 3: Call Functions**

This section provides procedures for making and answering calls. This section also describes features, such as call logs and call timers, that help you make calls and manage your call time.

Note: Although the procedures in this section are written for the Dialer keypad, you can also perform all of these procedures, except Plus (+) Code (International Shortcut) Calls, using the OWERTY keypad.

# **Making a Call**

 In Standby mode, tap Dialer. The Dialer screen appears in the display. The format of the Dialer screen depends on whether the QWERTY keypad is closed or open.



Enter the number you wish to call using the either the onscreen, phone-style keypad or the QWERTY keypad. Press to place the call.

### **Emergency Calls**

When you call the Emergency Number, 911, your R640 phone locks itself in emergency mode, only allowing you to make calls to the emergency call center you originally contacted. This enables emergency operators to more easily dispatch aid, such as police, fire fighting, and emergency medical personnel.

- In Standby mode, tap **Dialer**. The Dialer screen appears in the display.
- Enter 911.
- 3. Press to place the call.

Tip: If you need to make an emergency (911) call with Airplane mode enabled, just dial 911 and press . (For more information, refer to "Airplane Mode" on page 172.)

## **Three-way Calling**

Call two other numbers and connect them to your call using threeway calling.

- In Standby mode, tap Dialer. The Dialer screen appears in the display.
- 2. Enter the number for the first party in your call, then press
- 3. When connected, ask the other party to remain on the line.
- Tap Dialer.

- Enter the second party's phone number and press
- When the second party answers, resume the conversation.

## Manual Pause Calling

To manually call a number with pause(s) without storing it in your Contacts list:

- In Standby mode, tap **Dialer**. The Dialer screen appears in the display.
- 2. Enter the number you wish to call.
- Press Options. The following pause options appear in the display:
  - 2-Sec Pause: A 2-second pause after which dialing resumes.
  - Wait: A hard pause (waits for input from you).
- 4. Tap the desired pause to enter it into the number sequence.
- Press to call the number.

Tip: If you plan to call the number frequently, tap **Save** to store pauses along with the number in your Contacts list.

## **Speed Dialing**

Speed Dialing lets you place a call to any Contact stored in your Contacts list by dialing the Contact's Location number.

## 1-Touch Dialing

Use 1-touch dialing to speed dial Contacts from 1 (Voicemail) through 9

- In Standby mode, tap Dialer. The Dialer screen appears in the display.
- Press and hold the number key corresponding to the desired Contact's speed dial number.

### 2-Touch Dialing

Use 2-touch dialing to speed dial Contacts from 10 through 99.

- In Standby mode, tap **Dialer**. The Dialer screen appears in the display.
- Tap the number key representing the first digit of the desired Contact's speed dial number.
- Press and hold the number key representing the second digit of the desired Contact's speed dial number.

Example: To speed dial the Contact assigned speed dial 35, tap 3 def or press then press and hold 5 id or 5 def or 5 def

## **3-Touch Dialing**

Use 3-touch dialing to speed dial Contacts from 100 through 999.

- In Standby mode, tap Dialer. The Dialer screen appears in the display.
- Tap the number key representing the first digit of the desired Contact's speed dial number.
- Tap the number key representing the second digit of the desired Contact's speed dial number.
- Press and hold the number key representing the third digit of the desired Contact's speed dial number.

Example: To speed dial the Contacts entry assigned to speed dial 325, tap or press then press and hold or press or press then press and hold or

## Plus (+) Code Dialing

When placing international calls, you can use Plus Code Dialing to automatically enter the international access code for your location.

Example: 011 is the code for international calls placed from the United States.

To make a call using Plus Code Dialing:

- In Standby mode, tap Dialer. The Dialer screen appears in the display.
- Tap and hold until a "+" appears in the display. (When you press , the "+" symbol is automatically replaced with "011".)
- 3. Tap and hold a second time until another "+" appears in the display, or enter a country code. (When you press the second "+" symbol is automatically replaced with the country code specified by the International Dialing setting. For more information, refer to "International Dialing" on page 183.)
- Enter the phone number you want to call and press

#### Voice Commands

The voice recognition capabilities of your R640 are exceptional due to advanced, speaker-independent technology. This means you do not need to "train" your phone to understand your voice. You can use your voice in a natural manner to dial numbers.

Note: End Calls Before relaunching the Voice Service voice recognition software — When you use Voice Commands to make a call, you must end that call before you can use other Voice Commands. (For more information, refer to "Voice Service" on page 138.)

Use the **Call** command to dial any number stored in your Contacts list by saying the name of the contact (Name Dialing). You can also use **Call** to dial any telephone number, even numbers not stored in your contact list, by speaking the individual digits in the number (Digit Dialing).

### **Voice Dialing Tips:**

- · Wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking to someone on the phone.
- When saying a name, say the first name then the last name.

### **Dialing a Name**

To dial a name, do the following:

- In Standby mode, tap Menu → Voice Commands.
  - "Please say a command" is pronounced through the speaker.
- 2. Say, "Call".
  - You are prompted to "Say the name or number of the person you would like to call, or say voicemail or last number".
- Speak clearly and say the name of a person in your Contacts list, first name followed by last name.
  - If the name is recognized, Voice Commands repeats the name and dials the number
  - If Voice Commands is not sure which name you said, it displays a choice list of up to three names and prompts you with "Did you say?" followed by the first name on the list.
- Say "Yes" to confirm the name or "No" to hear the next name, or use the keypad to select the correct name from the list. (For more information, refer to "Voice Service" on page 138.)
  - Press to exit Voice Service without dialing.

If the recognized name has multiple numbers stored for it (that is, Mobile 1, Mobile 2, Home, and so on), Voice Commands displays the possible choices and prompts you with "Which location?"

- 5. Say or tap one of the following number types:
  - "Mobile 1"

- "Mobile 2"
- "Home"
- "Business"
- "Fax"

Voice Commands dials the specified number.

### **Dialing a Number**

To dial a number using Voice Commands, do the following:

- In Standby mode, tap Menu → Voice Commands.
  - "Please say a command" is pronounced through the speaker.
- 2. Say "Call".

You are prompted to "Say the name or number of the person you would like to call, or say voicemail or last number".

Speak clearly and say the telephone number of the person you want to call.

For example, say "7 8 1 9 7 0 5 2 0 0."

- If it recognizes the number, Voice Commands repeats it and dials the number. If Voice Commands is not sure it has recognized the number, it displays a choice list of up to three numbers and prompts you with "Did you say?" followed by the first number on the list.
- Say "Yes" to confirm the number or "No" to hear the next one, or use the keypad to select the correct number from the list. (For more information, refer to "Voice Service" on page 138.)

- Tap Repeat to say the number again.
- Press to exit Voice Commands without dialing.

## **Pause Dialing From a Contacts Entry**

- If you voice dial a contact that contains 2-Sec Pause(s) simply wait for the pauses to pass and the dialing to complete.
- If you voice dial a contact that contains Wait(s), wait for the appropriate prompt(s) from the number you are calling (credit card number, bank account number, and so on) and enter the appropriate response(s).

# Answering a Call

### Incoming

When you receive a call, the phone displays one of the following:

- If the caller can be identified, the caller's number (or name if it's in your Contacts) appears in the display.
- If the caller cannot be identified, Call from unavailable #, Call from restricted #, or no number appears in the display.

Tip: Assign pictures to Contacts entries. The entry's assigned picture appears in the display when you receive a call from that entry. For more information, refer to "Assigning a Picture to a Contacts Entry" on page 72.

The phone continues to notify you of the call until one of the following events occur:

- You answer the call.
- The calling party ends the call.
- The call is sent to voicemail.

#### Call Notification Features

Your phone notifies you of a call in a variety of ways.

- Eight ring volume settings: All Sounds Off, Alarm Only, Vibrate Only, Low, Medium Low, Medium, Medium High, or High.
- Different ring types or melodies to distinguish callers.
- Name display with caller ID. (If the caller's name is programmed into your Contacts).
- Information about the last 90 each of incoming, missed, and outgoing calls are automatically stored to a call log.

## **Set Call Ringer Volume**

For more information, refer to "Adjust the Ringer" on page 36.

#### Call Answer

Select from two methods for answering calls. This option can be changed in the **Settings** menu.

 In Standby mode, tap Menu → Settings → Call Settings → Answer Options.

Tip: You can also carry out this procedure using the QWERTY keypad.

The following options appear in the display:

- Slide Open: Slide the phone open to answer an incoming call.
- Any Key: Pressing any key on either keypad, except or or tapping Quiet or Ignore & Msg answers a call.

- Auto w/Handsfree: Phone automatically answers incoming calls when connected to a Bluetooth handsfree car kit.
- Tap the desired method(s) for answering calls. A check mark appears in the box to the right of each option you select. (You can select all three methods, if you wish.)
- To de-select an option, tap it again. The check mark disappears.

### **Call Waiting**

If you're on a call, your phone beeps when another call is incoming. Contact your Wireless Carrier for availability.

- Press to connect and ask the calling party to remain on the line.
- Press and the second caller is placed on hold and you're returned to the original caller.
  - Press to alternate between calls.

### **Caller ID**

Caller ID lets you identify who is calling you by displaying a caller's number. If the caller's name and number are stored in Contacts, the caller's name also appears. If you've assigned a picture to the entry, it appears in the display as well.

### **Call Block**

You can prevent your number from displaying on another phone's caller ID screen by enabling **Call Block**.

- 1. In Standby mode, tap Dialer, then tap \* · , 6 · · o , 7 · co .
- 2. Enter the number whose calls you want to block, then press

# **Silence an Incoming Ring**

During an incoming call, press the Volume key ( ) up or down to silence the ringer.

### **Ignore an Incoming Call**

Ignored calls are immediately forwarded to Voicemail.

During an incoming call, tap Ignore & Msg. The incoming call is forwarded to Voicemail.

## **In-Call Options**

Access numerous menus and features even while in a call.

Note: If the call is disconnected while accessing an In-Call Option, the In-Call screen disappears from the display and the phone eventually returns to Standby mode. While in a call, the following buttons appear in the display:

- Dialer: Launches the Dialer screen, letting you make a threeway call. (For more information, refer to "Three-way Calling" on page 39.)
- Bluetooth: Launches the Bluetooth screen, letting you switch this call's sounds from the phone's earpiece and microphone to a



Bluetooth device. (For more information, refer to "Device List" on page 148.)

- 3. Options: The following options pop-up:
  - Contacts: Launches the Contact List screen, letting you make a threeway call with one / another of your Contacts. (For more information, refer to "Finding a Contacts Entry" on page 65.)
  - Recent Calls: Launches the All calls screen, listing the most current calls. (For more information, refer to "Calls" on page 52.)
  - Message: Launches the Message menu. (For more information, refer to "Messaging" on page 85.)
  - Send DTMF: Sends your phone number as DTMF (Dual-Tone Multi-Frequency) tones to the other party to the call.
  - Voice Privacy: Lets you change your phone's current Voice Privacy setting. (For more information, refer to "Voice Privacy" on page 182.)

- Location: Lets you change your phone's current Location setting. (For more information, refer to "Location" on page 161.)
- Bluetooth: Launches the Bluetooth screen, letting you switch this call's sounds from the phone's earpiece and microphone to a Bluetooth device. (For more information, refer to "Device List" on page 148.)
- 4. Speakerphone: Press and slide to enable (left) / disable (right) Speakerphone mode, letting you conduct the call handsfree or to share the call with others. (For more information, refer to "Responsible Listening" on page 217.)
- Mute: Press and slide to Mute (left) / unmute (right) the phone's microphone.

## **Calls**

Your phone has Call Logs that retain information about Outgoing, Incoming, and Missed Calls. The **Calls** menu lets you access this information for future reference, to return calls, and to add new Contacts. You can also view times for your last call and the total of all calls.

In Standby mode, tap Menu, then tap Calls. A list of call logs appears in the display. The following sections describe these call logs in detail.

Tip: To quickly view a list of your most recent calls (outgoing, incoming, and missed), briefly press and in Standby mode. The All Calls screen listing to 270 of your most recent calls appears in the display.

#### Missed | Received | Dialed Calls

The last 90 missed/received/dialed calls are stored in the Dialed calls log. Review the Dialed calls log for the time and date of a call, as well as other information.

- From the Calls menu, Tap Dialed.
   A list of your dialed (outgoing)
   calls appears in the display.
- Tap and drag the list to scroll up or down for a particular call, then tap the call to view further information

The following buttons are available:

- Call: Dial this number.
- Msg.: Compose and send a message (Text / Picture) to this number.
- Save: Save this number to your Contacts.
- - Erase: Erase the selected call from your Dialed call log.
  - Lock/Unlock: Blocks/permits erasure of the selected call from your Dialed call log.



#### All Calls

The last 270 calls (missed, received, and dialed) are listed in the All calls log. Review the All calls log for the time and date of a call, as well as other information.

From the **Calls** menu, tap **All**. A list of your all calls appears in the display.

Tip: You can also access the All calls log from a Home screen by pressing .



The following icons indicate the type of call:



Missed call



Received call



Dialed call

- For additional options, tap 🧮 . The following options appear in the display:
  - Erase: Erase one or more selected calls from your Call log.
  - Lock/Unlock: Blocks/permits erasure of one or more selected call from your Dialed call log.
  - View Timers: Lists total time for the Last Call: numbers of calls and total times for All Calls, Received Calls, Dialed Calls, Roaming Calls, and Lifetime calls: and data totals for Transmit Data. Received Data. Total Data, and Lifetime Data Counter, You can reset all but the Lifetime counters

Tap and drag the list to scroll up or down for a particular call, then tap the call to view further information.

The following buttons are available:

- Call: Dial this number.
- Msg.: Compose and send a message (Text / Picture) to this number.
- Save: Save this number to your Contacts.
- For additional options, tap . The following options appear in the display:
  - Erase: Erase the selected call from your Call log.
  - Lock/Unlock: Blocks/permits erasure of the selected call from your Dialed call log.



## **Erase Logs**

You can erase individual calls from the Missed, Received, Dialed, or All call logs by doing the following:

- From the Calls menu, tap Missed / Received / Dialed / All. A selected list of your calls appears in the display.
- Tap and drag the list to scroll up or down for a particular call, then tap the call you wish to erase. The information for this call appears in the display.
- 3. Tap **■** → Erase.
- "Erase entry?" appears in the display as well as the options Yes and No.
- To Erase all calls, tap Yes. To keep the calls, tap No.

#### **Erase All Calls**

- Tap Erase All. Check marks appear in the check boxes to the right of all calls.
- 3. Tap Done.
- "Erase all entries?" appears in the display as well as the options Yes and No.



5. To Erase all calls, tap Yes. To keep the calls, tap No.

#### **View Timers**

View the duration of your last call, total calls, and calls made during the life of your phone using the View Timers feature.

Note: View Timers is not for billing purposes.

- From the Calls menu, tap View Timers. The following options appear in the display:
  - Last Call: Shows the duration of your last call.
  - All Calls: Shows the number and total duration of all calls originated by and made to your phone since the last erasure.
  - Received Calls: Shows the number and total duration of all calls made to your phone since the last reset.
  - Dialed Calls: Shows the number and total duration of all calls originated by your phone since the last reset.
  - Roaming Calls: Shows the number and total duration of all calls originated by and made to your phone while roaming and since the last reset.
  - Transmit Data: Shows the amount of data sent by the data services on your phone.
  - Received Data: Shows the amount of data received by the data services on your phone.
  - Total Data: Shows the total amount of data sent and received by the data services on your phone.

- Last Reset: Shows the date and time you last reset all counters (except Lifetime Calls).
- Lifetime Calls: Shows the duration of all calls on your phone since activation (Lifetime timers cannot be reset).
- Lifetime Data Counter: Shows the total amount of data sent and received by the data services on your phone since activation (Lifetime data counters cannot be reset).

#### **Reset Timers / Counters**

- From the View Timers screen, press Reset. The Reset screen appears in the display.
- To reset a particular timer or counter, tap and drag the list to scroll up or down for a particular timer or counter, then tap the timer or counter you wish to reset. A check mark apppears in the check box to the right of the timer or counter.



To reset all timers and counters, tap MarkAll. Check marks apppears in the check boxes to the right of the timers and counters.

- Tap Done. You are prompted to confirm the reset of the timer(s) and/or counter(s).
- To reset the timer(s) and/or counter(s), tap Yes.

Note: Although Total call timers and data counters can be reset, Lifetime call timers and data counters can never be reset.

## **Store Numbers from Call Logs**

Store numbers from your **Dialed**, **Received**, **Missed**, and **All** call logs to Contacts.

Tip: In Standby mode, briefly press **to** display the **Recent Calls** list. You can then select any call in the list to save to **Contacts**.

- From the Calls menu, tap Missed / Received / Dialed / All. A selected list of your calls appears in the display.
- Tap and drag the list to scroll up or down for a particular call, then tap the the number you wish to store in Contacts. The information for this call appears in the display.
- 3. Press Save.
- To add the number as a new Contacts entry, tap Add New Contact.
  - To find a Contact with which to associate the new number, tap **Update Existing**.
- Follow the prompts to store the number to Contacts.

# **Section 4: Understanding Your Contacts**

This section details how you can manage your daily contacts by storing their names and numbers in your Contacts list. You can have your Contacts entries sorted by name.

### **Contacts**

Up to 1000 entries can be stored in Contacts. Each entry can have up to five associated phone numbers and one e-mail address. Each phone number can be up to 32 digits in length, including **2-Sec** or **Wait** pauses (for more information, refer to "Manual Pause Calling" on page 40), and associated names can be up to 32 characters in length. You can assign the Speed Dial numbers of your choice for each entry. You can also mark your Contacts list as Restricted to prevent unauthorized viewing. (For more information, refer to "Restrictions" on page 175.)

Tip: Speed Dial One-Touch Dialing, Two-Touch Dialing, and Three-Touch Dialing allow you to call numbers stored in Contacts faster.

#### Launch the Contacts Menu

 In Standby mode, tap Menu → Contacts. The following options appear in the display:

Tip: To launch the Contacts menu using a voice command — In Standby mode, tap Menu → Menu 3 → Voice Commands. Voice Service prompts, "Say a command." Say "Go to Contacts" into the microphone.

- New Contact: Add a number or e-mail address to your Contacts.
- Contacts List: Find a phone number by name.

Tip: You can also access the Contacts List option from Standby mode, by tapping Contacts.

- Groups: Review, send messages to, add Contacts to, or rename all but one of your groups. (See "Contacts Groups" on page 80 for more information.)
- Speed Dials: Assign/re-assign/or remove a Contacts entry to/from a Speed Dial number. (See "Speed Dial" on page 77 for more information.)
- Service Numbers: Identify and call particular Service Numbers.
- Memory Status: Display used and available memory for Contacts entries.
- 2. Tap the option of your choice.

# **Adding a New Contacts Entry**

You can use either of two methods to add an entirely new entry to Contacts.

#### **Dial Method**

- From a Home screen, tap Dialer.
- 2. Enter the number you wish to add to your Contact List.
- 3. Tap **Save**. The following options pop-up in the display:
  - Add New Contact: Lets you create a new Contacts entry.
  - Update Existing: Lets you add the number you entered to an existing Contacts entry.
  - Memo: Enter this number into a text memo.
- 4. Tap Add New Contact. The Add New Contact screen appears in the display showing the following icons:



- 5. Tap the number type that matches your new entry.
- Open the QWERTY keypad.
- Tap the Name field.
- 8. Enter a name to associate with the Contacts entry.

Tap Save to save the entry.

#### Menu Method

- In Standby mode, tap Menu → Contacts → New Contact.
   The New Contact screen appears in the display.
- 2. Open the QWERTY keypad.
- Tap the Name field.
- Enter the name of the new Contact. (For more information, refer to "Entering Text" on page 31.)
- Locate and tap one of the following fields:



- 6. Enter a phone number in the selected field.
- 7. Repeat steps 5 and 6 as needed.
- 8. Tap Save to save the entry.

### **Shortcut Method**

- In Standby mode, tap Contacts. The Contact List screen appears in the display.
- Tap + . The New Contact screen appears in the display.
- 3. Open the QWERTY keypad.
- 4. Tap the Name field.
- Enter the name of the new Contact. (For more information, refer to "Entering Text" on page 31.)
- Locate and tap one of the following fields:



- 7. Enter a phone number in the selected field.
- 8. Repeat steps 6 and 7 as needed.
- 9. Tap Save to save the entry.

# Finding a Contacts Entry

#### Menu Method

If you've stored a name entry in Contacts, the Contact List lets you find it quickly.

In Standby mode, tap Menu → Contacts → Contact List.
 The Cantact List screen appears in the display showing the first few names in your Contacts list.

Tip: You can also access the **Contact List** screen from Standby mode by tapping **Contacts**.

Open the QWERTY keypad and enter a name as entered in Contacts.

Example: If you saved the name as "Amy Smith", begin the search by pressing (for "A").

As you enter letters, the names of the closest matches appear in the display.

- 3. When the desired entry is listed in the display, the following options are available:
  - Tap in to erase one or more selected Contacts.
  - Tap to access the following additional options for a Contact:
    - Call: Dial the number associated with the name.
    - New Text Message: Create and send a text message to the selected Contact.

 New Picture Message: Create and send a picture message to the selected Contact.

Select the desired option. The selected option's sub-menu appears in the display.

- 4. View the desired Contact's information by tapping the Contact. The following options are available:
  - Press to dial the number associated with the name.
  - Tap . The following options appear in the display:
    - Set Speed Dial: Assign a Speed Dial number to this Contact.
    - Set Default Number: Contact with multiple numbers Assign a number as Default number for this Contact.
    - Send Name Card Via Bluetooth: Send a copy of this Contacts entry to another Bluetooth device.
  - Tap Edit to add or change information for this entry.
     Select the desired option. The selected option's sub-menu appears in the display.

#### Voice Method

Use the Voice Service **Contacts** command to view contact information for any named contact stored in your Contacts list by saying the name.

Note: The Contacts command does not dial phone numbers for a Contact.

#### To look up information for a specific Contact:

- In Standby mode, tap Menu → Menu 3 → Voice Commands. "Say a Command" appears in the display and plays through the speaker.
- 2. Say "Contacts".

Voice Service prompts you to "Say the name."

- Speak clearly and say the full name of the person you want to call, exactly as it is entered in your Contacts list.
  - If Voice Service recognizes the name you said, the contact information for that name appears in the display.
  - If Voice Service does not recognize the name you said, a choice list of up
    to three names appears in the display, and Voice Service prompts you
    with "Did you say?" followed by the first name on the list.
- Say "Yes" to confirm the name or "No" to hear the next name, or use the keypad to select the correct name from the list. (For more information, refer to "Confirm Choices" on page 141.)
  - . To say the name again, tap Repeat.

- The contact information for the name you selected appears in the display.
  - Press to dial the number associated with the name.
  - Tap . The following options appear in the display:
    - Set Speed Dial: Assign a Speed Dial number to this Contact.
    - Set Default Number: Contact with multiple numbers Assign a number as Default number for this Contact.
    - Send Name Card Via Bluetooth: Send a copy of this Contacts entry to another Bluetooth device.
  - Tap Edit to add or change information for this entry.
     Select the desired option. The selected option's sub-menu appears in the display.

# **Editing a Contacts Entry**

#### **Editing Contacts Name and Numbers**

- Find the Contacts entry you wish to change. See "Finding a Contacts Entry" on page 65 for more information.
- Tap the desired Contact. The selected Contact's information appears in the display.
- Scroll up or down to review the information for the Contact that you wish to change, then tap Edit. The Edit Contact screen appears in the display.
  - Open the QWERTY keypad and tap the particular information you want to add or change.
    - Press to backspace and delete numbers or letters.
    - Press and hold to clear all numbers or letters in the highlighted field.
    - Tap **Options**. The following options popup in the display:
      - Set Speed Dial / Remove speed dial: Assign/remove a speed dial number (see "Speed Dial" on page 77 for more information).
      - 2-Sec Pause: A 2-second pause after which dialing resumes (see "Add Pauses to Contacts Numbers" on page 70 for more information).
      - Wait: A hard pause (waits for input from you).

Select the desired option.

When you're finished changing the contents of a field, press Save. Your changes are saved and a confirmation message appears in the display.

#### Add Pauses to Contacts Numbers

Calls to automated systems such as banking services often require a password or account number. Instead of manually entering these numbers, you can store them in a Contacts entry with the phone number and with special characters called pauses, up to a maximum of 32 digits.

- 2-Sec Pause: Stops the calling sequence for two seconds, then sends the remaining digits.
- Wait: Stops the calling sequence until the phone receives further input.

Note: You can enter multiple Waits to extend the length of a pause. For example, two consecutive Waits cause a total pause time of four seconds. Keep in mind that pauses count as digits towards the 32-digit maximum.

### To add pauses to a Contacts entry number, do the following:

- Find the Contacts entry associated with the number you want to include one or more pauses. See "Finding a Contacts Entry" on page 65 for more information.
- Select and edit the desired number. See "Editing a Contacts Entry" on page 69 for more information.
- Tap Options. The following pause options appear in the display:
  - Wait: A hard pause (waits for input from you).
  - 2-Sec Pause: A 2-second pause after which dialing resumes.

- Select the pause option of your choice to it into the number sequence.
- When you're finished entering information, tap Save store the number to Contacts.

#### **Pause Dial from Contacts**

- If you stored the number using 2-second pause(s), simply recall the number from Contacts, and press to dial the number
- If you stored the number using Wait(s), recall the number from Contacts, press to dial the number, then wait for the appropriate prompt from the dialed number.
- Enter a response to the prompt and press to send the digits you entered.

### **Edit an Existing Email Address**

- Find the Contacts entry you want to edit. See "Finding a Contacts Entry" on page 65 for more information.
- Tap the desired Contacts entry, then tap Edit.The Edit Contact screen appears in the display.
- Open the QWERTY keypad, then tap the Personal Email address field.
- Use the keypad to edit the Email address. (For more information, refer to "Entering Text" on page 31.)
- Tap Save to save your changes.

## Assigning a Picture to a Contacts Entry

When you assign a picture to a Contacts entry, the picture that you assigned to the entry appears in the display when you receive a call from that Contact.

- Find the Contacts entry you want to edit. See "Finding a Contacts Entry" on page 65 for more information.
- Tap the desired Contact, then tap Edit. The Edit Contact screen appears in the display.
- Tap the Picture ID field (at the top of the Edit Contact screen), the following options pop-up in the display:
  - · Pictures: To select an existing photo.
  - Camera: To take a new photo.
- When you tap Pictures, the Pictures screen appears in the display, showing a series of thumbnail photos. (For more information, refer to "The Pictures Gallery" on page 122.)
  - Tap the picture that you wish to assign to the Contacts entry, then tap Set. The Edit Contact screen appears in the display with a thumbnail view of the selected image in the Picture ID field.
  - or -

· Press the Camera key. The new picture appears in the display.

- Tap Set. The Edit Contact screen appears in the display with a thumbnail view of the selected image in the Picture ID field.
- Tap Save to save the picture assignment to the selected Contacts entry.

### Assigning a Ringtone to a Contacts Entry

When you assign a ringtone to a Contacts entry, the phone plays the ringtone that you assigned to the entry when you receive a call from that Contact instead of the ringtone currently assigned to Voice Calls.

- Find the Contacts entry you want to edit. See "Finding a Contacts Entry" on page 65 for more information.
- Tap the desired Contact, then tap Edit. The Edit Contact screen appears in the display.
- Tap the Ringtone field. The Ringtones screen appears in the display.
- 4. Tap the ringtone, sound file, or music file that you wish to assign to the Contacts entry. The Edit Contact screen appears in the display with the name of the selected file in the Ringtone field.
- Tap Save to save the ringer assignment to the selected Contacts entry.

## Saving a Number After a Call

Once you finish a call, you can store the caller's number to your Contacts list.

Note: If the call was incoming and Caller ID information was unavailable, then the Save option is also unavailable.

- Press to end your call. The call time, length of call, phone number, and name of the party (if available) appear in the display.
- Tap Save. The following options appear in the display:
  - Add New Contact: Lets you create a new Contacts entry.
  - Update Existing: Lets you add the number you entered to an existing Contacts entry.
- Follow the instructions in the upcoming sections depending on whether the number is a new entry or you wish to add it to an existing entry.

#### Create a New Entry

 Select Add New Contact. The Add New Contact screen appears in the display showing the following number type options:



- 2. Select the number type that matches your new entry.
- Enter a name for the new entry. (For more information, refer to "Entering Text" on page 31.)
- Tap Save. The new entry is saved to your Contacts list.

### Add to an Existing Entry

- Select Update Existing. The Update Existing screen appears in the display showing your Contacts list.
- Find the Contacts entry to which you want to add the new number. See "Finding a Contacts Entry" on page 65 for more information.
- Tap the desired Contact. The following number type options appear in the display:



- Number types that are already assigned a number show the number instead of the number type label.
- Select the desired unassigned number type. The Contacts entry information appears in the display with the new number posted in the appropriate number type field.
- Tap Save to save your changes to the existing entry.

### **Speed Dial**

A Contacts entry's Speed Dial number corresponds to the number keys you press and hold to speed dial one of that entry's numbers. For example:

- To speed dial the Contacts entry assigned to Location 5, tap Dialer, then press and hold 5 or 5, (1-touch dialing).
- To speed dial the Contacts entry assigned to Location 35, tap , then press and hold , (2-touch dialing).
- To speed dial the Contacts entry assigned to Location 235, tap , tap
   then press and hold , (3-touch dialing).

You can assign one or more Speed Dial numbers to a Contacts entry during new entry creation or by editing an existing entry.

### **Assignment During Entry Creation**

To assign a Speed Call number to a new Contacts entry number, do the following:

- Follow either of the New Contacts entry procedures (see "Adding a New Contacts Entry" on page 62) until you enter a name for the entry.
- After entering the Contacts entry name, do not press Save.Open the QWERTY keypad and tap the number field.
- Tap Options → Set Speed Dial. The Set Speed Dial screen appears in the display.

- 4. Tap an Unassigned Speed Dial number.
  - or -

Tap the Search field, enter a Speed Dial number, then tap the desired **Unassigned** Speed Dial number.

Importantl: Do not enter Speed Dial numbers 1, 311, 411, 611, 711, or 911.
These numbers are already assigned to particular network functions, such as Voicemail (001) and emergency use (911).

You are prompted to confirm your Speed Dial number assignment.

Tap Yes to save your Speed Dial assignment and return to the Add New Contact screen.

Note: Tap No to discard the assignment and return to the Speed Dial screen.

6. Tap Save to save your changes.

### **Changing a Speed Dial Location**

- Find the Contacts entry you want to edit. See "Finding a Contacts Entry" on page 65 for more information.
- 2. Tap the desired Contact.
- 3. Open the QWERTY keypad.
- Tap 
   → Remove Speed Dial. The Remove Speed Dial screen appears in the display, listing the Speed Dial location(s) assigned to this Contact.
- Tap the Speed Dial assignment you wish to remove. "Remove speed dial?" pops up in the display, prompting you to confirm your desire to remove the entry.
- Tap Yes to remove the Speed Dial assignment. "Speed dial removed" pops up in the display, and you are returned to the Edit Contact screen
- Do steps 2 through 4 of the "Assignment During Entry Creation" procedure on page 77.

## **Contacts Groups**

Contact Groups let you easily send messages to multiple, selected Contacts. You can also use Groups to find Contact entries and to add/ remove Contacts names in a Group or to create or rename a Group.

### Add Contacts Entry to a Group

# **Using Add New/Edit Contact Option**

To add a Contact to a Group using either the Add New Contact option or the Edit Contact option, do the following:

- Create a Contacts entry (see "Adding a New Contacts Entry" on page 62 for more information) or find and edit a Contacts entry (see "Editing a Contacts Entry" on page 69 for more information) that you want to add to a Group.
- Tap the Group field. The Select Group screen appears in the display showing Groups similar to the following:
  - Business
  - Colleague
  - Family
  - Friends
- Tap the Group to which you want to assign the new or selected Contact. A checkmark appears to the right of the selected Group.

- Tap Done. You are returned to the Add New Entry/Edit Contact screen and the selected Group name populates the Group field.
- Tap Save to save your changes.

#### **Using Group Add Members Option**

The Add Members option lets you add one or more existing Contacts to a Group.

- In Standby mode, tap Menu → Menu 1 → Contacts → Groups. The Groups screen appears in the display showing Groups similar to the following:
  - Rusiness
  - Colleague
  - Family
  - Friends
- Tap a Group, then tap
   + Add Members. The Add Members
   appears in the display, listing Contacts not added to other
   Groups.
- Tap a Contact you want to add to the Group. A check mark appears in the entry's checkbox.
  - Repeat as needed to check all the desired Contacts.

Note: To unmark a marked Contact, tap the Contact to clear the check mark.

4. When you have marked the Contacts you want to add to the group, tap Done. "Contact added to" appears briefly in the display, followed by the selected Group name. Then, the selected Group list appears, listing all Contacts in the Group.

### Rename a Group

The Rename option lets you change the name any of the Groups.

- In Standby mode, tap Menu → Menu 1 → Contacts → Groups. The Group List screen appears in the display.
- Tap 
   → Rename Group. The Select Group screen appears in the display.
- Tap the Group name you wish to change. The Rename Group screen appears in the display.
- Open the QWERTY keypad and enter changes to the group name. (For more information, refer to "Entering Text" on page 31.)
- When you have completed your changes to the Group name, tap **Done**.
  - "Group renamed" appears in the display followed by the Group List screen showing your renamed Group.

### Add a New Group

The New option lets you add Groups.

- In Standby mode, tap Menu → Menu 1 → Contacts → Groups. The Group List screen appears in the display.
- Tap + New Group. The New Group screen appears in the display.
- Open the QWERTY keypad and enter a new group name. (For more information, refer to "Entering Text" on page 31.)
- When you have completed entering the new Group name, tap Done. "Group saved" appears in the display followed by the Group List screen showing your new Group.

### Erase a Group

The **Erase** option lets you delete a Group, thus freeing you to reassign the Contacts formerly in the Group.

- In Standby mode, tap Menu → Menu 1 → Contacts → Groups. The Groups screen appears in the display.
- Tap the Group you want to delete. A check mark appears in the box to the right of the selected Group.
- 4. Tap **Done**. You are prompted to confirm the deletion.
- To confirm erasure of the highlighted Group, tap Yes. To retain the Group, tap No.

## **Deleting a Contacts Entry**

- In Standby Mode, tap Contacts → im. The Erase screen appears in the display.
- Scroll to and tap the Contact you want to erase. A check mark appears in the box to the right of the Contact.
- 3. Tap **Done**. The phone prompts you to confirm the erasure.
- To confirm erasure of the selected Contact, tap Yes. To retain the Contact, tap No.

### **Memory Status**

The **Memory Status** menu option lets you view the amount of memory you have used to store Contacts entries, as well as the memory remaining to store more Contacts entries.

In Standby mode, tap Menu → Menu 1 → Contacts → Memory Status.

The **Memory Status** screen appears in the display showing the Total amount of memory for storing Contacts, the number of Saved Contacts and Available storage for Contacts.

# **Section 5: Messaging**

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

Note: You can only enter message text using the QWERTY keypad.

# **Types of Messages**

Your phone is able to send and receive Text and Picture messages to compatible phones and devices. Text messages can be up to 160 characters in length.

**Note:** Available memory is shared between all messages. You can store up to 300 messages. However, the exact number is dependent upon message length.

### **Create and Send Text Messages**

 In Standby mode, tap Menu → Menu 1 → Messaging → New Message → Text Message. The New Text Msg screen appears in the display.

Tip: To launch the New Text Msg screen using a voice command — In Standby mode, tap Menu → Menu 3 → Voice Commands. The phone prompts, "Say a command." Say "Send Text" into the microphone. You are then prompted to say a Contact name or a number for the first recipient of the message.

2. Slide the QWERTY keypad open.

- Tap Add → From Contacts / Recent Calls / Groups and find and select a recipient for this message.
  - or -

Tap New# and enter a recipient number or e-mail address.

- Tap the Text field.
- Enter the text content of your message using the keypad. (For more information, refer to "Entering Text" on page 31.)At any point while composing a message:
  - Press to complete the message text and set message send options. The following options appear in the display:
    - Save As Draft: Save the message to your Draft folder.
    - Insert Quick Text: Insert pre-composed text in your message.
    - Priority Level: Choose Urgent or Normal.
    - Validity Period: Enter the Date when this message will cease to be valid, then enter the Time
    - Deferred Delivery: Choose the Date and Time your message is to be delivered
    - Enh. Deliver Ack: Choose On or Off Requests confirmation when your message is received.
- To enter symbols not shown on the QWERTY keypad, do the following:
  - Tap Symbols. The Symbols menu appears in the display.
  - Tap the desired symbol. The selected symbol appears in the Text field.
- 7. Once you're finished entering your message, press Send.

## **Receive Text Messages**

When you receive a message in Standby mode, the ringer sounds (unless turned off) and **New Text Message** appears in the display along with the closed envelope icon (). The date and time of the message also appear in the display along with the following options:

- View Now: Opens the message, where you have the option to Reply, Forward, Reply w.Copy, Erase, Save Quick Text, Lock/Unlock, Add To Contacts or View Contact, Extract Addresses, or Message Info.
- View Later: Saves the message to your Messages folder, where you can view it later, then returns your phone to Standby mode.

Select your choice.

### Receive Messages While in a Call

When you receive a message while in a call, **New Text Message** appears in the display along with the closed envelope icon (). The date and time of the message also appear in the display along with the following options:

- View Now: Opens the message, where you have the option to Reply, Forward, Reply w.Copy, Erase, Save Quick Text, Lock/Unlock, Add To Contacts or View Contact, Extract Addresses, or Message Info.
- View Later: Saves the message to your Messages folder, where you can view it later, then returns your phone to In Call mode.

Select the desired option.

# Send Picture Messages in Camera Mode

Picture messages can be sent to recipients with compatible phones or devices. You can even accompany a Picture message with a voice memo or preloaded sound.

Tip: You can send a Picture message to up to ten recipients. Enter each recipient's address or phone number in a separate Send to field of the Picture message composer.

- In Standby mode, press the Camera key ( ). The camera viewfinder screen appears in the display.
- Using the display as a viewfinder, when the image that you wish to send appears in the display, press the Camera key ( to take a picture. Your new picture appears in the picture review screen.

**Note:** For more information about using the camera feature in your phone, see "Camera" on page 106.

- 3. Tap Send via. The Send Via menu appears in the display.
- Tap Picture Message. The New PIC Msg screen then appears in the display with your new picture populating the Slide field.
- Slide the QWERTY keypad open.
- Tap Add → From Contacts / Recent Calls / Groups / Online Album and find and select a recipient for this message.
  - or —

- Tap New# and enter a recipient number or e-mail address.
- Tap and slide to scroll down to, and then tap, the Text field, then enter the message text using the keypad. (For more information, refer to "Entering Text" on page 31.)
- If you wish to insert a sound into your Picture message, tap and slide to scroll down to the **Sound** field and do the following; otherwise, proceed to step 9.
  - Tap the Sound field. The Ringtones screen appears in the display showing the following options:
    - Record New: Record a new memo to insert into the message.

Note: You can record and insert a voice memo of up to 60 seconds in length, if you record first before attaching a picture. If a picture is attached before recording, the size of the voice memo is limited to the amount of remaining memory.

- Audio files list: Select from the list of previously recorded voice memos and preloaded audio files on your phone.
- Tap Record New or tap the desired sound file to be inserted into your message.
- Tap and slide to scroll down to, and then tap, the Subject field.
   Enter a subject for the Picture message using the keypad. (For more information, refer to "Entering Text" on page 31.)
- 10. Tap to complete the message text and set message send options. The following options appear in the display:
  - Preview: View the picture as the recipient will see it.
  - · Save As Draft: Save the message to your Draft folder.

- Add Slide: Add a slide and another picture to your message.
- Remove Slide: Remove a slide from your message.
- Insert Quick Text: Insert pre-composed text in your message.
- Priority Level: Choose Urgent, Normal, or Low.
- Validity Period: Enter the Date when this message will cease to be valid, then enter the Time.
- Delivery Ack: Choose On or Off Requests confirmation when your message is received.

Tap an option to launch its function.

11. To send the message, tap Send. "Sending Message" appears in the display and a progress bar indicates the send status.

## Send Picture Messages in Standby Mode

Send Picture messages to recipients with a compatible phone or other device, and accompany the Picture message with a voice memo, ringtone, or downloaded melody.

Tip: You can send a Picture message to up to ten recipients. Enter each recipient's address or phone number in a separate Send To field of the Picture message composer.

 In Standby mode, tap Menu → Menu 1 → Messaging → New Message → Picture Message. The New PIC Msg screen appears in the display.

Tip: To launch the New PIC Msg screen using a voice command — In Standby mode, tap Menu → Menu 3 → Voice Commands until the phone prompts, "Say a Command." Say "Send Picture" into the microphone. You are then prompted to say a Contact name or a number for the first recipient of the message.

- Slide the QWERTY keypad open.
- Tap Add → From Contacts / Recent Calls / Groups / Online Album and find and select a recipient for this message.
  - or –

Tap New# and enter a recipient number or e-mail address.

 Tap the Slide field. A photo gallery of thumbnail images appears in the display.

- 5. Tap a picture to be added to your message. The selected picture expands to fill the width of the screen. Then, do the following:

**Note:** For more information about using the camera feature in your phone, see "Camera" on page 106.

- Press 
   o to add the highlighted picture to your message.
   You are returned to the New PIC Msg screen with the selected picture in the Slide field.
- Tap and slide to scroll down to, and then tap, the Text field, then enter the message text using the keypad. (For more information, refer to "Entering Text" on page 31.)
- If you wish to insert a sound into your Picture message, tap and slide to scroll down to the Sound field and do the following; otherwise, proceed to step 9.
  - Tap the Sound field. The Ringtones screen appears in the display showing the following options:
    - Record New: Record a new memo to insert into the message.

Note: You can record and insert a voice memo of up to 60 seconds in length, if you record first before attaching a picture. If a picture is attached before recording, the size of the voice memo is limited to the amount of remaining memory.

> Audio files list: Select from the list of previously recorded voice memos and preloaded audio files on your phone.

- Tap Record New or tap the desired sound file to be inserted into your message.
- Tap and slide to scroll down to, and then tap, the Subject field.
   Enter a subject for the Picture message using the keypad. (For more information, refer to "Entering Text" on page 31.)
- 9. Tap to complete the message text and set message send options. The following options appear in the display:
  - Preview: View the picture as the recipient will see it.
  - Save As Draft: Save the message to your Draft folder.
  - Add Slide: Add a slide and another picture to your message.
  - Remove Slide: Remove a slide from your message.
  - Insert Quick Text: Insert pre-composed text in your message.
  - Priority Level: Choose Urgent, Normal, or Low.
  - Validity Period: Enter the Date when this message will cease to be valid, then enter the Time.
  - Delivery Ack: Choose On or Off Requests confirmation when your message is received.

Tap an option to launch its function.

10. To send the message, tap Send. "Sending Message" appears in the display and a progress bar indicates the send status.

### **Receive Picture Messages**

When you receive a Picture Message in Standby mode, the ringer sounds (unless turned off) and the **New Multimedia Msg** screen appears in the display along with the closed envelope icon (). The date and time of the message also appear in the display along with the following options:

- View Now: Retrieves and opens the message, where you have the option to Reply, Forward, Erase, Save Picture, Save Quick Text, Lock, Add To Contacts, View Contact, Extract Addresses, or Message Info.
- View Later: Saves the message to your inbox, where you can view it later, then returns your phone to Standby mode.
- Reject: Discards the message.

Select the desired option.

### View a Picture Message Now

- After you select the View Now option, "Connecting" appears in the display followed by "Receiving message" and a progress bar indicating that the message is downloading to your phone.
- After the Picture message has downloaded, an alert sounds, and the new Multimedia message appears in the display. If the message includes a sound file, the phone begins playing it.
- To respond to the message, tap Reply.
- 4. To access the following additional options, tap  $\blacksquare$ :
  - Play Again: Play the sound file included in the picture message again.
  - Forward: Send a copy of this message to another recipient.
  - Erase: Discard (delete) this message.
  - Save Picture: Save the picture included in this message to the My Images folder.
  - Save Sound: Save the sound file included in this message to the My Sounds folder.
  - Lock / Unlock: Block/permit erasure of this message.
  - Save Quick Text: Save the text in this message as a new Quick Text.
  - View Contact: View the Contact information for the message sender.
  - Add To Contacts: Save the sender's number to your Contacts.
  - Extract Addresses: Copy sender information for saving to a Contact or for addressing a new message.

- Message Info: Shows message delivery status, addressee, size, and so on.
- 5. Select an option to perform its function.

Note: For more information on received Multimedia message options, see "Messages" on page 97.

### View a Picture Message Later

- In Standby mode, tap Messaging → Messages. The Messages screen appears in the display, listing recipients and originators of messages.
- Select the Sender of the new Picture message, then select the new Picture message. The Inbox screen appears showing the message text.
- Tap Download. "Connecting" appears in the display followed by "Receiving message" and a progress bar indicating that the message is downloading to your phone.
- 4. Once a Picture message has been downloaded to your phone, the new Picture message appears in the display. If the message includes a sound file, the phone begins playing it.

**Note:** For more information on viewing and managing received Multimedia messages, see "Messages" on page 97.

### **Message Folders**

Your phone stores messages in any one of three message boxes. The subsections that follow describe each message box in detail.

### Messages

Messages of all types (except Drafts and Voicemail) are stored in the **Messages** folder.

In Standby mode, tap Menu → Menu 1 → Messaging →
 Messages. The Messages screen appears in the display, listing recipients and originators of messages.

Tip: While in a call, tap Options, then select Messages → Messages.

- - Sort Alaphabetically: Sort the Messages list with Contacts in alphabetical order followed by non-Contact numbers in numerical order.
  - Erase: Remove selected or all unlocked messages from the Messages folder
  - Erase All Messages: Remove all unlocked messages from the Messages folder.
  - New Message: Compose and send a new Text or Picture message.
- To view a message, select the Contact/number whose message you wish to view. The list of messages exchanged with that Contact/number appears in the display.

- Tap the message you wish to view. The contents of the selected message appear in the display.
- Tap . The following options appear in the display:
  - Play Again: Picture Messages Only Play the sound file included in the picture message again.
  - Forward: Send a copy of this message to another recipient.
  - Reply w. Copy: Text Messages Only Compose and send a reply message to the originator of the received message and include a copy of the original message.
  - Erase: Delete this message from the Inbox.
  - Lock / Unlock: Block/permit erasure of the highlighted message.
  - Save Quick Text: Save the text in this message as a new Quick Text.
  - Save Pic: Picture Messages Only Save the picture included in this
    message to the My Images folder.
  - Save Sound: Picture Messages Only Save the sound file included in this message to the My Sounds folder.
  - Add To Contacts: Save the sender's number to your Contacts.
  - View Contact: View Contact information.
  - Extract Addresses: Extract addresses from message text and add to Contacts.
  - Message Info: Shows message delivery status, sender, size, and so on.
- Select an option to perform its function.

#### **Drafts**

Messages in the Drafts folder are those that have been composed but never sent. You can return to the Drafts folder at any time to view, edit, or send a draft message.

### **Create a Draft Message**

- In Standby mode, tap Menu → Menu 1 → Messaging → New Messages → Text Message / Picture Message.
  - The **New Text Msg** / **New PIC Msg** screen appears in the display.
- Compose your message using the touch screen and QWERTY keypad. (For more information, refer to "Create and Send Text Messages" on page 85, "Send Picture Messages in Standby Mode" on page 91.)

### **View and Edit Draft Text Messages**

- In Standby mode, tap Menu → Menu 1 → Messaging → Drafts.
   A list of any draft messages that you've saved appears in the display.
- Highlight a text message that you wish to view or edit, then tap Edit. The New Text Msg screen appears in the display.
- Enter or change the recipient's number and/or e-mail address and edit the message text. (For more information, refer to "Entering Text" on page 31.)

- 4. Tap to complete the message text and set message send options. The following options appear in the display:
  - Save As Draft: Save the message to your Drafts box.
  - . Insert Quick Text: Insert pre-composed text in your message.
  - Priority Level: Choose Urgent or Normal.
  - Validity Period: Enter the Date when this message will cease to be valid, then enter the Time.
  - Deferred Delivery: Choose the Date and Time when this message will be delivered.
  - Enh. Deliver Ack: Choose On or Off Requests confirmation when your message is received.
- 5. Tap an option to perform the function for that option.
- When you have completed composing your message, tap Send to send it.

# View and Edit Draft Pic. Messages

- In Standby mode, tap Menu → Menu 1 → Messaging → Drafts.
   A list of any draft messages that you've saved appears in the display.
- Tap the picture message that you wish to view, then tap Edit. The message edit screen appears in the display.
- Make any needed changes and tap . The following options appear in the display:
  - **Preview**: Shows the message contents.
  - Save As Draft: Saves the changed message to the Draft Box.

- Add Slide: Add a slide and another picture to your message.
- Remove Slide: Remove a slide from your message.
- Priority Level: Choose Urgent, Normal, or Low.
- Validity Period: Enter the Date when this message will cease to be valid, then use the Left and Right navigation keys to choose the Time.
- Delivery Ack: Choose On or Off Requests confirmation when your message is received.
- 4. Tap an option to perform the function for that option.
- When you have completed composing your message, tap Send to send it.

### **Managing Draft Messages**

- In Standby mode, tap Menu → Menu 1 → Messaging → Drafts.
   A list of any draft messages that you've saved appears in the display.
- Tap . The following options appear in the display:
  - Sort by Recipient: List messages according to recipient name or number.
  - Erase: Delete one or more selected draft messages.
  - Erase All Drafts: Delete all draft messages.
- 3. Tap an option to perform the function for that option.

#### Voicemail

Messages in your voice mailbox are logged in the Voicemail folder of the **Messaging** menu. Open the Voicemail folder to view the **Callback** # (if available), **Urgency**, and other details of the Voicemail messages in your voice mailbox.

#### Listen to Voicemail Now

Once you've received a new voicemail message, you have the option to either:

- Listen Now: Calls your voice mailbox and allows you to listen to your messages.
- Listen Later: Returns you to Standby mode where you can later choose to call your mailbox and review your messages.
  - Select the desired option.

#### **Listen to Voicemail Now**

When you choose to review your new voicemail message(s) right away, your phone calls your voice mailbox so that you can listen to the message(s). (For more information, refer to "Listen to Voicemail" on page 15.)

#### Listen to Voicemail Later

If you have chosen to review your voicemail messages at a later time:

 In Standby mode, tap Messaging → Voicemail. The Voicemail screen appears in the display, showing the number of new voicemail messages received and the date and time the latest message was received. 2. Press **Call** to call your voice mailbox and listen to the message.

Note: From Standby mode, you can tap Dialer, then press and hold to dial vour voice mailbox.



# **Erase Messages**

You can erase all of the messages in each or all of your folders from one convenient location.

Note: This function erases all messages in the selected box. To delete a single message, open the box from the Messaging menu, then delete the message from the Options menu while viewing the message content.

- 1. Standby mode, tap Menu → Menu 1 → Messaging. The Messaging menu appears in the display.
- 2. Tap **≡** → **Erase Messages**. The following options appear in the display:
  - Messages: Deletes all unlocked messages stored in the Messages folder
  - Drafts: Deletes all unlocked messages stored in the Drafts folder.
  - All Messages: Deletes all unlocked messages stored in all of the message folders, except Voicemail.
- 3. Select the folder containing the messages that you wish to delete. You're prompted to confirm the erasure of all messages in the selected folder or in all folders.
- To delete the messages, tap Yes. To cancel deleting the 4. messages, tap No.

# **Message Settings**

Use the **Msg Settings** sub-menu to define settings for your text and picture messages.

- Standby mode, tap Menu → Menu 1 → Messaging. The Messaging menu appears in the display.
- Tap 
   → Settings. The following options appear in the display:
  - Message View Mode: Chat / Normal View messages to/from the same number/Contact as a "chat session", or view messages individually.
  - Entry Mode: Choose the default method for entering text into messages (Xt9 Word, Abc, ABC, 123).
  - Auto Save Sent Msg: Choose whether your messages are saved automatically when you send them (Auto-Save, Don't Save, Prompt).
  - Auto Erase Received Msg: Choose to automaticall erase (0n) or not erase (0ff) old received messages after you view them and new messages require storage space.
  - Text Msg Auto View: On/Off With Auto View set to On, the full
    content of a text message appears in the display as the messages is
    received.
  - Picture Msg Download: With Msg Download set to On, your phone automatically downloads Picture messages for viewing when they are received.
  - Voicemail Number: Edit or view your Voicemail number.

- Callback Number: Choose whether to include a callback phone number with your outgoing messages, and enter the number to be included.
- Signature: Choose whether to include a text signature in outgoing message text, and enter the text to be included.
- 3. Select an option to perform the function for that option.

## **Section 6: Camera**

Use your Samsung phone to take full color digital pictures, display them on your phone's vivid color display, and instantly share them with family and friends. It's fun, and as easy to use as a traditional point-and-click camera. This section explains how you can do the following:

- Take pictures with your phone's built-in digital Camerar.
- · Send and receive pictures taken with your phone's Camera.
- Set the several options associated with the Camera that help you take crisp, clear pictures.

## **Taking Pictures**

Taking pictures with the built-in Camera is as simple as choosing a subject, pointing the lens (located on the rear of your phone, at the top), and pressing a button.

### **Taking Single Pictures**

To take a single picture using the current camera settings, do the following:

 In Standby mode, press the Camera key ( ) on the right side of the phone. The camera viewfinder screen appears in the display. (For more information, refer to "Screen Layouts" on page 110.)



Note: You can also activate the Camera by tapping Menu → Menu 1 → Camera or by tapping Menu → Menu 2 → Multimedia → Camera.

- If the Shooting Mode icon is not , tap Shooting Mode → Single.
- Using the display as a viewfinder, point the camera at your subject.
- When the subject that you wish to capture appears in the display, press the Camera key ( ).

- 5. Do one of the following:
  - To discard the new photo, tap .
  - Press Send via to send a copy of the photo in a Picture message to your addressee(s) or to your online Album or over a Bluetooth connection.
  - Press Set as to assign the photo as a Home screen wallpaper or as a Contact ID image.
  - Press Erase to erase the photo.
  - Press **Save** to save the photo to the Pictures folder.
- To exit the Camera feature, press \_\_\_\_\_.

Tip: You can change a number of the Camera's settings to suit particular uses for your pictures. For more information, refer to "Camera Options" on page 112.

## Taking Multiple-Shot Pictures

When taking pictures of moving subjects or subjects you cannot pose, such as children and pets, the camera's Continuous mode simplifies the process of taking multiple pictures in quick succession. You can also After taking multiple-shot pictures, the camera automatically displays thumbnail or mosaic views of the pictures you have just taken so you can select the best picture(s) and discard the rest.

 In Standby mode, press the Camera key ( ) on the right side of the phone. The camera view finder screen appears in the display. (For more information, refer to "Screen Layouts" on page 110.) Note: You can also activate the Camera by tapping Menu → Menu 1 → Camera or by tapping Menu → Menu 2 → Multimedia → Camera.

- 2. Tap Shooting Mode. The following options appear in the display:
  - Single: Lets you take a single photo.
  - Continuous: Lets you take a series of 5 or 8 photos with a single press
    of the Camera key (
  - Frame: Lets you temporarily (for this session only) apply one of the preloaded picture frames in your phone to characterize or enhance one or more pictures.
  - Mosaic: Lets you take a mosaic of up to 9 photos, one per press of the Camera key (
- When you select Continuous, the following options appear in the display:
  - 5
  - 8

When you select **Mosaic**, three pages of six mosaic options each are available.

- Using the display as a viewfinder, point the camera lens at your subject.

- 6. Press the Camera key ( ) when the image that you wish to capture appears in the display. The camera takes multiple pictures in quick succession (Continuous) or one each time you press the Camera key ( ) (Mosaic), then the multiple-photo screen appears in the display.
  - To send a picture in a Picture message to your addressee(s) or to your online Album or over a Bluetooth connection, press Send via.
  - To set a picture as a Home screen wallpaper or as a Contact ID image, press Set as.
  - · To discard the pictures, press Erase.
  - · To save the pictures to memory, press Save.

Tip: You can change a number of the Camera's settings to suit particular uses for your pictures. For more information, refer to "Camera Options" on page 112.

## **Screen Layouts**

#### Camera Screen

When you activate your phone's camera, the first line of the display is reserved for the current camera settings and picture counter. The rest of the display shows a viewfinder image of the subject at which



the camera is pointed, flanked by option buttons.

#### **Camera Screen Buttons**



Set the Camera's **Shooting Mode** to **Single**, **Continuous**, **Frame**, or **Mosaic**.



Set the Camera's **Resolution** to **1280x960** / **800x600** / **640x480** / **320x240** 

Set the Camera's White Balance to Auto, Sunny, Cloudy, Fluorscent, or Tungsten (incandescent).



Set the Camera's Effects, Metering, Quality, and more.



Set the Camera's **Timer** to automatically take one or more photos immediately (**OFF**) or after **3 sec**, **5 sec**, or **10 sec**.



Set the Camera's **Night Shot** (low light) capability **On** or **Off**.



Set the Camera's **Brightness** to brighten or darken your photos.



Access the Pictures folder.

## **Saving Pictures**

After you've taken a picture, you can do any of the following:

· Save the picture by tapping Save.

A picture is stored in the **Pictures** folder. These folders are part of the phone's memory and/or part of an optional Memory Card devoted to storing, browsing, and viewing saved pictures. (For more information, refer to "The Pictures Gallery" on page 122)

- Send the picture to someone else by tapping Send via.
   For a detailed procedure, see "Send Picture Messages in Camera Mode" on page 88.
- Set the picture As a home screen Wallpaper or as a Contact's Picture ID.
- Discard the picture by tapping Erase.

### **Camera Options**

The Camera Options let you adjust the default camera settings to suite available lighting, the subject of the photo, or the purpose of the photo. To access Camera Options, do the following:

- In Standby mode, press the Camera key ( ). The camera viewfinder screen appears in the display.
- 2. Select the any of the following buttons:

## **Shooting Mode**

Shooting Mode lets you set your phone's Camera to take a one or more pictures, with or without colorful formats or frames, at the touch of a key.

- In Camera mode, tap Shooting Mode. The following options pop-up:
  - . Single: Lets you take a single photo.
  - Continuous: Lets you take a series of 5 or 8 photos with a single press of the Camera key ( ).
  - Frame: Lets you temporarily (for this session only) apply one of the preloaded picture frames in your phone to characterize or enhance one or more pictures.
  - Mosaic: Lets you take a mosaic of up to 9 photos, one per press of the Camera key (
- Tap the desired option and setting. The related icon appears in the display.

When you press the Camera key ( ), the camera takes a single picture (Single or Frame), several pictures in rapid succession (Continuous), or one picture after another (Mosaic).

Note: For more information, refer to "Taking Single Pictures" on page 107 and to "Taking Multiple-Shot Pictures" on page 108.

#### **Frames**

Frames lets you temporarily apply one of the preloaded picture frames in your phone to characterize or enhance one or more pictures.

- In Camera mode, tap Shooting Mode → Frame. A pop-up containing the first of three pages of available Fun Frames appears in the display.
- Select the Frame you wish to use. The camera screen appears in the display with your selected Frame in place.
  - When you take your next picture, the camera includes the selected Frame in your picture.

#### White Balance

White Balance allows you to adjust picture quality according to available light.

- In Camera mode, tap White Balance. The following options popup:
  - Auto: The camera automatically adjusts picture quality to available light.
  - Sunny: Use this setting when taking pictures in full sun.
  - Cloudy: Use this setting when taking pictures in cloudy conditions.
  - Fluorescent: Use this setting when taking pictures under fluorescent lights.
  - Tungsten: Use this setting when taking pictures under incandescent lights.

Each option, as you tap it, shows the effects it has on a picture.

Tap the White Balance you wish to use, then tap Save. The camera viewfinder screen appears in the display with your selected White Balance applied.

The next time you press the Camera key ( ), the camera applies the selected White Balance to your picture.

#### Resolution

Change the size (in bytes) of your pictures by changing the picture resolution setting.

- 1. In Camera mode, tap Resolution. The following options pop-up:
  - 1280x960 (pixels)
  - 800x600 (pixels)
  - 640x480 (pixels)
  - 320x240 (pixels)
- Tap the desired option. You're returned to the camera viewfinder screen.

Note: The Size setting affects zoom capabilities. When Size is set to 1280 x 960, zoom is not available. When Size is set to any value lower than 1280 x 960, zoom settings 1 = 10 are available.

#### Timer

Timer lets you delay taking a picture long enough to let you join others in a picture.

- In Camera mode, Tap **Timer**. The following values appear in the camera screen:
  - Off
  - 3 Sec.
  - 5 Sec
  - 10 Sec
- Select the desired Timer option. If you select 3 Sec. 5 Sec. or 10 Sec, the Self Timer countdown timer icon appears in the camera screen in the display.

When you press the Camera key ( ), the countdown timer indicates the time remaining before the camera takes the picture.

Tip: To stop the countdown timer without resetting it, press ...



### **Night Shot**

Night Shot indicates/changes whether your phone is ready to take photos in low light:

- In Camera mode, tap **Night Shot**. The following values appear in the camera screen:
  - On
  - Off

2. Select the desired option.

## **Brightness**

Brightness lets you temporarily lighten the pictures you take. Increasing the Brightness (-4 settings -+4 settings) lightens your pictures (0 is normal).

- In Camera mode, tap the **Brightness** button. The horizontal Brightness scale appears in the display.
- To increase Brightness (brighten your picture), tap the + button.
   To decrease Brightness (darken your picture), tap the button.
   The next time you press the Camera key ( ), the camera takes a lighter or darker picture according to your selected Brightness setting.

#### Zoom

Zoom lets you temporarily enlarge the pictures you take. Increasing the Zoom (2-10) enlarges your pictures (1 is normal).

- In Camera mode, press the Volume key (on the left side of the phone) up or down. The horizontal Zoom scale appears in the display.
- 2. To Zoom in on a subject, press the Volume key down.
- To Zoom out from a subject, press the Volume key up.
   The next time you press the Camera key ( , the camera takes an enlarged picture according to your selected Zoom setting.

Note: The Size setting affects zoom capabilities. When Size is set to 1280 x 960, zoom is not available. When Size is set to any value lower than 1280 x 960, zoom settings 1 – 10 are available.

#### **Options** — Camera Tab

#### **Effects**

Change the look of your pictures with Effects. Choose from six available settings such as Gray, Negative, and Sepia. The selected color effect previews in the display before you take the picture.

 In Camera mode, tap Options → Camera tab → Effects. The following options pop-up:

#### Note: Choose Normal to disable Color Effects.

- Normal: Subjects and pictures appear with a normal hue.
- Black & White: Subjects and pictures appear in black and white.
- **Sepia**: Subjects and pictures appear in a brownish-gray hue.
- Aqua: Subjects and pictures appear in an aqua hue.
- **Negative**: Subjects and pictures appear in inverted colors.
- Select the color effect of your choice. You're returned to the camera viewfinder screen.

When you take your next picture, the phone's display previews your subject image with the selected color effect.

## Metering

You can select what size sample of the subject your Camera will use to set its exposure.

- In Camera mode, tap Options → Camera tab → Effects. The following options pop-up:
  - Matrix: Average of the light present in a larger center portion of the subject.
  - Center weighted: Average of the light present in a smaller center portion
    of the subject.
  - Spot: Light present at the exact center of the subject.
- Select the desired metering option. The metering indicator canges in the center of the viewfinder screen to indicate the subject area being sampled.

## Quality

You can affect how much your photo is compressed, thereby reducing it's overall size (not to be confused with its resolution).

- In Camera mode, press Options → Camera tab → Quality.
- Select one of the options: Super Fine, Fine, or Normal. You're returned to the camera viewfinder screen.

## **Options — Settings Tab**

#### Guideline

When set to **0n**, Guideline shows a cross hatch pattern in the view finder screen.

- In Camera mode, tap Options → Settings tab → Guideline. The following options pop-up:
  - On
  - Off
- Select the viewfinder screen setting of your choice. You're returned to the camera viewfinder screen.

#### Review

- In Camera mode, tap Options → Settings tab → Review. The following options pop-up:
  - **On**: Photos are displayed for review immediately after you take them.
  - Off: Photos are not displayed after you take them. Instead, they are automatically saved to the My Pictures folder.
- Select the review setting of your choice. You're returned to the camera viewfinder screen.

#### **Shutter Sound**

Choose from four different sounds whenever you take a picture. Aside from being a cool sound effect, Shutter Sounds acts as an audible reminder that your camera has taken a picture.

- In Camera mode, tap Options → Settings tab → Shutter Sound.
   The following options pop-up:
  - Off
  - Shutter 1
  - Shutter 2
  - Shutter 3
- Select your preferred shutter sound. You're returned to the camera viewfinder screen.

#### Memory

- In Camera mode, tap Options → Settings tab → Memory. The following options pop-up:
  - Phone: Stores pictures in phone memory.
  - Card: Stores pictures on an optional microSD Memory Card.
- Select the memory location setting of your choice. You're returned to the camera viewfinder screen.

## The Pictures Gallery

Saved pictures are stored in the Pictures folder. You can browse the pictures one at a time (expanded mode), or view several pictures at once in thumbnail format.

#### Access from Camera

 In the Camera viewfinder screen, press 
Quickview. The latest picture that you've saved appears in the display.

The following options are available:





- To browse pictures in the gallery as a slide show, tap Slide Show.
- To edit the current picture, tap Edit.
- To send the current picture as a Picture Message / To your Online Album / to another device Via Bluetooth, tap Send via.
- To assign the current picture as a Home screen Wallpaper or as a Contact Picture ID, tap Set As.
- To delete the current picture from the Pictures folder, tap Erase.
- To view Name, File Size, Resolution, Date taken, and Time taken, tap Info.

Select the desired option to perform its function or to enter its sub-menu.

## Access by Menu or from Edit Contact or New PIC Msg Screen

 In a Home screen, tap Menu → Menu 2 → Multimedia → Pictures.

- or -

In the Add New Contact / Edit Contact screen, tap the Picture ID field. (For more information, refer to "Understanding Your Contacts" on page 60.)

— or —

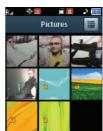
In the **New PIC Msg** screen, tap the **Picture** field. (For more

information, refer to "Send Picture Messages in Standby Mode" on page 91.)

Thumbnail images from the pictures that you've saved appear in the display.

- 2. Tap . The following options pop-up in the display:
  - Take Picture: Launch the Camera to take a new picture.
  - Slide Show: Play or Make a slide show.
  - Send via Bluetooth: Send a copy of a selected picture to another device over a Bluetooth connection.
  - Erase: Delete one or more selected, unlocked pictures.





- Lock/Unlock: Block/permit picture erasure.
- Move: Move one or more selected pictures from the Card or Phone to the Phone or Card.
- Copy: Copy one or more selected pictures from the Card or Phone to the Phone or Card.
- View by Location: List thumnail images of All stored pictures, pictures stored in the Phone. or pictures stored on the Card.
- Tap a picture to enlarge the view. The following options are available:
  - · Magnify (zoom in on) the picture.
  - Send the picture in a Picture message to an addressee or to your Online Album.
  - Expand the picture to full screen.
- 4. Tap . The following options pop-up in the display:
  - **Take Picture**: Launch the Camera to take a new picture.
  - Edit: Use graphic tools to change the picture.
  - Set As: Assign this picture as a Home screen Wallpaper or as a Contact Picture ID.
  - Erase: Delete this picture.
  - Move To Card / Phone: Move one or more selected pictures from the Card or Phone to the Phone or Card.



- Copy To Card / Phone: Copy one or more selected pictures from the Card or Phone to the Phone or Card.
- Rename: Change the file name for this picture.
- File Info: View the Name, File Size, Resolution, and Date and Time this
  picture was taken.
- Select the desired option to perform its function or to enter its sub-menu

## **Point, Click, and Send Pictures**

Take a picture and send it to anyone with a compatible device in a few easy steps.

- In Camera mode, press the Camera key ( ) on the right side of the phone. The camera view finder screen appears in the display.
- Using the display as a viewfinder, take the desired picture by pressing the Camera key ( ).
  - The photo review screen appears in the display.
- Tap Send via → Picture Message.
   The New PIC Msg screen appears in the display.
- Address and compose your Picture message. (For more information, refer to "Send Picture Messages in Camera Mode" on page 88.)
- When you are finished composing your message, tap Send to send the Picture message to the intended recipient(s).

### **Section 7: Multimedia**

This section outlines your phone's multimedia functions and key features associated with multimedia.

# **Accessing Multimedia**

- In Standby mode, tap Menu → Menu 2 → Multimedia. The following Multimedia options appear in the display:
  - Camera: Lets you launch and set up your phone's camera. (For more information, refer to "Camera" on page 106.)
  - Pictures: Lets you choose the images or pictures that appear in Picture
    messages and in your phone's display. (For more information, refer to
    "Camera" on page 106.)
  - Music Player: Lets you play music (MP3 and unprotected AAC, AAC+, WMA) files.
  - Ringtones: Lets you assign ringtones, music files, and sound files for calls, alarms, and other alerts. (For more information, refer to "Ringtones" on page 131.)
- Select an option to enter its sub-menu.

# **Using Your Music Player**

Music Player lets you play MP3 and unprotected AAC, AAC+, WMA music files, loaded onto an optional microSD™ Memory Card using a personal computer. (For information on loading music files on a Memory Card, see "Loading Music Files" on page 130.)

### Launching the Music Library Menu

- From the Multimedia menu, select Music Player. The Music Player screen appears in the display.
- To access the music files, tap 

  → Go to Library. The Library menu appears in the display showing the following options:
  - Now Playing List: Lists all music files on the Memory Card that are playing or queued to play.



- All Songs: Lists all music files on the Memory Card and lets you play individual music files or play multiple music files by creating a temporary music playlist.
- Playlists: Lists any playlists you have saved and lets you create, save, and manage playlists.
- Artists: Lists artist names for music files on the Memory Card and lets you play one or more music files by a selected artist.

- Albums: Lists album titles for music files on the Memory Card and lets
  you play one or more music files from a selected album.
- 3. To play a music file, tap it.
- To access other options, tap . The following options are available:
  - Go to Library: Access music files lists that show the songs Now Playing, All Songs on your Memory Card, or all songs in Playlists or arranged according to Artists or Albums.
  - Play Mode: The following play modes are available:
    - Normal: Play a song or play songs in the order they appear in a music file list.
    - Shuffle: Play music files at random.
    - Repeat One: Repeatedly play one music file.
    - Repeat All: Repeatedly play all music files.
    - **Shuffle Repeat All**: Repeatedly play all music files at random.
  - . Add To Playlist: Add the current file to a Playlist.
  - Song Info: Lists the Title, Artist, Album, File Name, File Size, Duration, Bit Rate, Downloaded and Copyright information, and Expired Songs of the highlighted music file.
  - Memory Info: Lists the Available card memory, the card memory already Used to store files, and the Total memory on the card.

Select the desired option.

## **Music Player Controls**

## Volume key:

- To play a music file louder, press the Volume key Up.
- To play a music file softer, press the Volume key Down.

### Music Navigation buttons:

- To adjust music playback volume using the touch screen, tap .
- To skip play to an earlier music file in the selected list, tap (144).
- To pause playing a music file, tap •••
- To resume playing a music file, tap
- To skip play to a later music file in the selected list, tap (++).
- To return to the selected list and choose another music file to play, tap
  - → Go to Library.



## **Loading Music Files**

To transfer music to a microSD™ Memory Card, do the following:

- 1. Before loading music files on a Memory Card, do the following:
  - With your phone powered off, insert the Memory Card into your phone.
     (For more information, see "Install a Memory Card" on page 16.)
  - Power your phone on.
- Connect your phone to a personal computer with an optional USB data cable.
- Open the Memory Card reader drive and the "My\_Music" folder.
- Drag or download music (MP3) files into the "My\_Music" folder.
- Remove the Memory Card by following the removal instructions for the Memory Card reader and for your personal computer.
- Insert the Memory Card into your phone. (For more information, see "Install a Memory Card" on page 16.)

## **Ringtones**

My Ringtones lets you assign ringtones (preloaded and downloaded) for calls, alerts, and as distinctive ringers for Contacts.

 From the Multimedia menu, select Ringtones. A list of recorded sound files, music files, and ringtones appears in the display.

Tip: You can also access My Ringtones from:

- -A Set Alarm screen by selecting the Ringer option, highlighting the second (file name) field, pressing the Left or Right navigation key, and selecting Ringtones.
- -The **Edit Contact** screen by selecting the **Ringtone** field, pressing the **Set** soft key, and selecting **Ringtones**.
- To play a particular file, tap 
   for that file.
- For other file options, tap the file. The following options pop-up in the display:
  - Send: Send a copy of the file in a Picture message to a Contact or other addressee or to your Online Album.
  - Set As: Assign the file as a Ringtone, a Contact ID ringer, or as an Alert Tone.
  - . Rename: Change the name of the selected file.
  - File Info: View the file Name, File Size, File Type, and Date and Time the file was recorded

Select an option.

 Press to return to the previous menu, or press to return to Standby mode.

#### **Record New**

Ringtones-Record New lets you record voice memos and lets you assign preloaded and downloaded sound files as ringers for calls, alarms, and other alerts.

- From the Multimedia menu, tap Ringtones. Record New and a list of sound files appears in the display.
- 2. Tap Record New, then tap Rec to record a voice memo.
  - To pause the recording, tap **Pause**.
  - To stop and save the recording, tap Stop.

## **Erasing Ringtone Files**

- In the Ringtones screen, tap . The list of files is reduced to recorded sound files and downloaded music files.
- Tap the file(s) you want to erase, or tap Mark All to erase all sound files and downloaded music files. Check marks appear to the right of marked files.
- Tap Done. You are prompted to confirm your erasure(s).
- To erase the marked file(s), tap Yes. To retain the marked file(s), tap No.

# **Section 8: Accessing the Web**

This section explains the easyedge<sup>SM</sup> and Browser features.

# easyedge<sup>SM</sup>

With **easy**edge<sup>SM</sup>, you can download full featured games, applications, pictures, and more over the air.

# **Finding Applications**

- In Standby mode, select Menu → Menu 1 → easyedge.
  - The **easy**edge<sup>SM</sup> **Main Menu** screen appears in the display.
- Select Mobile Shop → Catalog to find a desired application.

## **Launching Applications**

 In Standby mode, select Menu → Menu 1 → easyedge.



The easyedge<sup>SM</sup> Main Menu screen appears in the display.

Scroll the Main Menu up or down to find and select the desired application.

#### **Browser**

With Browser, you can conveniently surf the web and download ringtones and wallpapers using your phone. Each time you launch Browser, your phone connects to the Internet and the service indicator icon with a red arrow ( ) appears in the display.

#### Stored Web Content

Browser ends an Internet connection after a certain period of inactivity, however some information from your session remains stored in the phone (if you leave your phone turned on). You can access this information without reconnecting to the Internet. However, if you are viewing stored information, and you select a link to a site that was not accessed in your last session, you automatically re-connect to the Internet

### Launching Browser

1. In Standby mode, select Menu → Menu 1 → Browser

> The Browser screen appears in the display. A list of categories (each representing one or more web sites) appears in the display.

Tip: The Browser screen rotates when you slide

open the keyboard. 2. Select the desired category, to enter the category list.



#### **Exit Browser**

### **Using Browser**

Browser presents on-screen items in any of the following ways:

· Text or numeric input.

Note: When entering text in a web page field, Browser limits you to using the OWERTY touch keypad.

- · Links (embedded in content).
- Numbered options (some may not be numbered).
- · Simple text.

You can act upon options or links by selecting them.

### **Using Links**

Links have several purposes, such as jumping to a different page, to a different site, or even initiating a phone call. Links are shown inside of brackets ([ ]). You can normally select a link.

#### **How Browser Buttons Work**

The top and right side of the Browser screen contain control bars. The following table lists Browser buttons that appear in the control bars and their functions and the key.



Back: Displays the previously viewed web page, if any.



Forward: Displays the previously viewed web page, if any.



Refresh: Reloads and displays the current web page.



Options: Access the additional options: Go to Home, Zoom, Add to Favorites, Favorites, History, Full screen, Send URL, Search text, RSS feeds, Settings.



**Enter URL**: Enter or select the URL for a web page. Tap this button to access the following options:



**Google Search**: Search the web using the  $Google^{TM}$  search engine.



**Text Search**: Search the text of the current web page.



Press to exit the Browser and return the phone to Standby mode.

#### **Tone Room**

With the Tone Room application, you can browse for, search for, download, and manage Ringtones and Ringback tones.

# **Launching Tone Room**

In Standby mode, select Menu → Menu 2 → Tone Room..

The **Tone Room deluxe** screen appears in the display.



### **Section 9: Voice Service**

This section explains how to use your phone's speech recognition software to place calls and to launch a number of your phone's features.

# **Launching Voice Service**

Voice Service is state-of-the-art voice recognition software for your mobile phone that lets you dial numbers, lookup contact information, and open applications using your voice. To launch Voice Service, do the following:

- From a Home screen, tap Menu → Menu 3 → Tools →
  Voice Service. The Voice Service menu appears in the display
  with the following available options:
  - Voice Commands: Launches the voice recognition function, letting you place calls, access your Contacts list, review your Calendar, and more by speaking commands into your phone. Also see "Voice Commands" on page 44 and "Voice Method" on page 67 for more information.
  - Voice Command Settings: Lets you tailor Voice Services functions to suit your voice and phone use preferences, and displays version information about the Voice Services software.
- Tap the desired option.

#### Voice Commands

To use Voice Commands, do the following:

 From the Voice Service menu, select Voice Commands. "Say a Command" appears in the display, and is pronounced through the earpiece, followed by a list of available commands:

Tip: You can set your phone to start Voice Service when you open the phone. (For more information, refer to "Key Setting" on page 144.)

- . Call: Prompts you to place calls by saying any of the following:
  - A Contact name stored in your contact list.
     Voice Service automatically voice-activates all your contacts, even if you have hundreds of them stored on your phone.
  - A telephone number, even if it is not stored in your contact list. (For more information, refer to "Voice Commands" on page 44.)
- Send Text / Picture: Prompts you to launch the New Text Msg / New PIC Msg screen to compose and send a message. (For more information, refer to "Create and Send Text Messages" on page 85 / "Send Picture Messages in Standby Mode" on page 91.)
- Go to: Prompts you to launch the Ringtones, Calendar, and Contacts list features of your phone. (See "Ringtones" on page 131, "Calendar" on page 150, and "Contacts" on page 60 for more information.)
- Check: Lets you check your phone's status (that is, network coverage, signal strength, battery, and more in the same report), voicemail, messages, missed calls, time, signal strength, battery, volume, and phone number.

- Contacts: Lets you look up and display contact information for any name stored in your Contacts list by saying the name. (For more information, refer to "Finding a Contacts Entry" on page 65.)
- Redial: Redials the last number dialed.
- Help: Shows a description of Voice Commands.

Note: Speaking clearly, say the command that you want to use. If, after a few seconds, the device has not recognized a command, it prompts you to repeat the command. If, after a few more seconds, it still has not recognized a command, it tells you "Sorry, no match found," and cancels voice recognition.

## Voice Command Tips:

- · Make sure you wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking on the phone.

# **Voice-Activating Your Contacts List**

When you first start Voice Service, it reads your Contacts list and voice-activates all the names stored there. When you have add or change contacts, Voice Service automatically reloads and voice-activates the entire list.

# **Ending Calls Before Restarting the Voice Service Software**

When you use Voice Service to make a call, you must end that call before you can use Voice Service again.

# **Voice Command Settings**

#### **Confirm Choices**

Voice Service uses choice lists when it is not confident it has correctly recognized a name or number. In this case, it can display a list of up to three possible choices, and prompt you to confirm the correct one.

You can change the way that Voice Service responds to your choices with name dialing, digit dialing, and contacts. To change the way Voice Service responds to your choices, do the following:

- From the Voice Service menu, tap Voice Command Settings
   Confirm Choices the following options appear in the display:
  - Automatic: Voice Service displays a choice list only when it is not sure if
    it has correctly recognized the name or number.
  - Always Confirm: Voice Service always displays a choice list, regardless that it is sure it recognizes the name or number.
  - Never Confirm: Voice Service never displays a choice list.
     Tap the Confirmation behavior you prefer.

## Sensitivity

- From the Voice Service menu, select Voice Command Settings → Sensitivity. The Sensitivity screen appears in the display, showing the following options:
  - More Sensitive
  - Automatic
  - · Less Sensitive
- 2. Tap the desired option.

# **Adapt Voice**

If you regularly have trouble with Voice Service not recognize the numbers you say, try adapting digit dialing to your voice. Adapting can improve the accuracy of digit recognition, especially for people with strong regional accents.

Note: After you complete voice adaptation, your phone is customized to your voice, and your voice only. Others will not be able to use it unless they reset the phone to factory defaults.

Adaptation involves recording several sequences of four digits each. The recording process takes about a minute.

## **Tips for Adapting Voice**

- Use Adapt Voice in a quiet place.
- . Be sure to wait for the beep before starting to speak.
- · Speak clearly, and say each digit distinctly.

- If you make a mistake while recording a sequence of digits, or if there is an
  unexpected noise that spoils the recording, re-record that sequence.
- Only use Adapt Voice if you are regularly having problems with digit dialing.
   Once you adapt, digit dialing will not work as well for other people using your phone. (You can always reset Adapt Voice to its original state, as described below.)

## **Using Adapt Voice**

To adapt your phone to your voice, do the following:

- 1. From the Voice Service menu, tap Voice Command Settings
  - → Adapt Voice. The following options appear in the display:
  - Adapt Voice
  - Reset Voice: Only appears after Adapt Voice is complete.
- Tap Adapt Voice. An on-screen message recommends how to proceed with voice adaptation.
- Tap OK and wait for a voice prompt. You are prompted with a series of sample voice commands and phone numbers.
- After each prompt, wait until "Adapt Voice" begins slowly flashing, then echo the prompt into the phone's microphone.
- After you echo the final prompt, "Adaptation complete" appears in the display and you are returned to the Adapt Voice menu.

## **Reset Adapt Voice**

To reset Adapt Voice to factory default settings, do the following:

- From the Voice Service menu, tap Voice Command Settings
   → Adapt Voice → Reset Voice. The phone prompts you to confirm digit adaptation rest.
- To reset your voice adaptation, tap **OK**. To cancel and retain your digit adaptation, tap .

# **Key Setting**

To set the key or action that launches Voice Service, do the following:

- 1. From the Voice Service menu, tap Voice Command Settings
  - → Key Setting. The following options appear in the display:
  - None: You must use the phone menus or define a Shortcut to activate Voice Service for one call.
  - None / Headset: Attach a headset to your phone to activate Voice Service. Now, you can make and end calls using Voice Service by pushing the action button on the headset. Press to release Voice Service.
- 2. Tap the option you want.

### **About Voice Service**

This option causes the **About** screen to appear in the display, showing version and build information about the Voice Service software included on your phone.

▶ From the Voice Service menu, tap Voice Command Settings
→ About.

The **About** screen appears in the display showing the version level of the Voice Service software currently installed on your phone.

# **Section 10: Tools**

This section explains how to use your phone's digital assistant functionality to schedule events, set reminders, perform calculations, and more.

### **Tools Menu**

Tools is a suite of Personal Information Management (PIM) applications, such as a Calendar and Memo Pad, that run on your phone.

In Standby mode, press Menu, then select Tools. The Tools menu appears in the display.

The following sections provide detailed descriptions of your phone's Tools.

## **Voice Service**

For information about Voice Service, see "Voice Service" on page 138.

# **Bluetooth**

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet without requiring a physical connection.

The Bluetooth wireless technology settings menu provides the ability to view and change the device name, show the visibility, and set the security for the device.

#### Turn Bluetooth On/Off

With Bluetooth set to **On**, you can use the available Bluetooth features. When the Bluetooth is turned off, you cannot send or receive information via Bluetooth. To save battery life or in situations where Bluetooth use is prohibited, such as airline traveling, you can turn off the Bluetooth wireless technology headset.

## **Turning Bluetooth On**

From the Tools menu, tap Bluetooth → Turn On. The Bluetooth enabled (red) icon ( ) appears in the display.

## **Turning Bluetooth Off**

From the Tools menu, tap Bluetooth → Turn Off. The Bluetooth icon disappears from the display.

### Add New Device

To search for available Bluetooth devices:

- From the Tools menu, tap Bluetooth → Search new devices.
   If Bluetooth is off, you are prompted to "Turn bluetooth on?".
  - To leave Bluetooth off and return to the Bluetooth menu, tap No .
  - To turn Bluetooth on, tap Yes.
  - "Place device you are searching in discoverable mode" appears in the display.
- Place the Bluetooth device in discoverable mode. (See the device user manual for more information.)
- 3. Tap **OK**. Names of the available devices appears in the display.

- Tap the device you want to pair with your phone. Your phone attempts to Autopair with the selected device.
  - If Autopair fails, you are prompted to enter the passkey or PIN for the selected device.

Note: When pairing you phone with another Bluetooth device other than a headset or headphones, the same passkey or PIN must be entered on both devices (when prompted) for the pairing to succeed.

> Enter the device passkey or PIN and tap **0K**. The Bluetooth connected (blue) icon ( ) appears in the display.

#### **Device List**

A list of Bluetooth wireless technology devices paired your handset appears below the **Search new devices** option.

 From the Tools menu, tap Bluetooth. A list of paired devices appears in the display.

## **Connecting to a Bluetooth Device**

From the Device list,

- Tap the device with which you want to connect → Connect.
- You are prompted to verify the connection with the device. A popup appears in the display. Tap Yes to connect with the selected device.

### **Device Options**

- From the Device list, tap a device. The following options appear in the display:
  - Connect / Disconnect: Connect your phone to, or disconnect your phone from, this device.
  - Remove Device: Erase this device from your phone's Device list.
  - Rename Device: Change the name that appears in your phone's Device list
  - Supported Profiles: Lists and explains the Bluetooth profiles this device supports.

## **Bluetooth Options**

- ► From the Device list, tap . The following options appear in the display:
  - My Phone Name: Shows the handset name. To change this name, open the QWERTY keypad, enter a new name, and tap Done.
  - My Phone Info: Shows the Bluetooth device Type, Status, and Address
    of your phone.
  - Discovery Mode: When set to On, lets other devices discover and attempt to pair and connect with your phone. When set to Off, your phone is not visible to other devices.
  - Auto Pairing: When set to On, your phone attempts to automatically pair with a selected, discovered device. When set to Off, you are prompted to manually enter a device's PIN to pair with that device.
  - Supported Profiles: Lists and explains the Bluetooth profiles your phone supports.

### Calendar

Calendar lets you view the current, past, or future month in a monthly calendar layout. While viewing the calendar, the current date is highlighted and days with scheduled events are marked by highlighting in the lower right hand corner.

From the Tools menu, tap Calendar. A calendar of the current month or week appears in the display with the current date highlighted. The month and year also appear.

The following controls are also available:

- To move to another monthly or weekly calandar, swipe the screen left or right.
- . To view a list of events for a particular date, tap that date.
  - To view a particular event in an event list, tap the preferred event.
- To pop-up the following additional options, tap \( \begin{align\*} \begin{align\*} \ext{ = } \\ \ext{ = } \ext{: } \ext{.}
  - Weekly View / Monthly View: Changes the type of caladar that appears in the display.
  - Go to Date: Lets you jump to any date you specify.
  - Erase All Old: Lets you erase past events.
  - Erase All: Lets you erase all events.
  - Search: Lets you search your Calendar for events.

Select the desired option to perform the related process.

#### Add a New Event

1. From the Tools menu, tap Calendar.

- Tap the date of the new event, then tap + . The New Event screen appears in the display.
- Open the QWERTY keypad, tap an event information field and enter or select details of the event. (For more information, refer to "Entering Text" on page 31.)
- When you're finished entering event details, tap Save to store the event in your calendar.

Note: If you set a notification Alert, an alert (tone/vibration/light) will notify you prior to the event.

#### Memo Pad

You can create a notes and store them in Memo Pad. You can't prioritize or set an alert for stored notes. Return to Memo Pad anytime you wish to review and edit your notes.

#### Add a Memo

- From the Tools menu, tap Memo Pad.
   If you have any stored memos, they are listed in the display.
- Open the QWERTY keypad and enter memo text. (For more information, refer to "Entering Text" on page 31.)
- 4. When you're finished entering details for the memo, tap Save.

# View, Edit, and Erase Memos

- From the Tools menu, tap Memo Pad. A list of memos appears in the display.
  - · To view a memo, tap it.
  - . To edit the memo you are viewing, tap Edit.
  - Edit the memo using the keypad. (For more information, refer to "Entering Text" on page 31.)
  - To erase the memo you are viewing, tap Erase. You are prompted to verify the erasure.
    - To erase the memo, tap Yes.
    - To keep the memo, tap No.
  - To protect the memo you are viewing from erasure, tap Lock.
    - To permit a locked memo to be erased, tap Unlock.

### **Sketch Pad**

Sketch Pad lets you use your phone to freehand draw images and text.

 From the Tools menu, tap Sketch Pad. The Sketch Pad screen appears in the display.

The following options are available:

- To draw on the Sketch Pad, simply drag your fingertip across the display.
- To change the Sketch Pad background, tap Style.
- · To change the drawing line thickness, tap Thickness.
- To change the drawing (foreground) color, tap Color.

- To include a copy of a drawing as part of a Picture message, tap Send.
- To store a drawing in the Pictures folder, tap Save. (For more information, refer to "The Pictures Gallery" on page 122.)
- To erase a drawing, tap Erase → Clear All.
  - To resume drawing, tap Draw.
- To remove the preceeding line you drew, tap **Undo**.

### **Alarm Clock**

Your phone has an alarm clock that can be set to go off once, or daily at a specified time. Once set, the alarm clock is easy to change or turn off completely.

Note: The alarm doesn't function when the phone is turned off. If the time for an alarm that was set for **Once** has elapsed and the phone is off, the alarm occurs at the same time on the following day.

- From the Tools menu, tap Alarm Clock. The Alarm screen appears in the display.
  - To add an Alarm, tap 
     The New Alarm screen appears in the display. The following options are available:
    - Time: Tap to select the time when the alarm will sound.
    - Frequency: Tap to select whether the alarm sounds Once, Daily, Monday to Friday, or Weekly.
    - Ringtone: Tap to select a recorded sound file, a music file, or a ringtone to sound at the set Time.
    - Snooze: Tap to select a snooze duration of 3 / 5 / 10 / 15 / 30 minutes.

- Repeat: Tap to select the number of times the alarm repeats (Once, Twice, or 3/5/10 Times.
- · To save a new or changed alarm, tap Save.
- To deactivate an alarm, tap the On button to the right of the alarm. It changes to Off.
- To change the settings for an alarm, tap the alarm, fields in the alarm, and new values for the fields.
- To erase an alarm, tap in the check box for the selected alarm),
   then tap Erase.

### When an Alarm Sounds

An animated alarm clock appears in the display with the options **Snooze** or **Dismiss**, and an alert sounds when the specified time for the alarm arrives.

- Use the Navigation key to highlight Dismiss, then press to silence the alarm.
  - If the alarm was set as a Daily alarm, the alarm icon remains in the top of the display.
  - If the alarm was set as a Mon.-Fri. alarm, the alarm icon remains in the top of the display.
  - If the alarm was set as a Weekends only alarm, the alarm icon remains in the top of the display.
  - If the alarm was set as a Once only alarm, the alarm icon disappears from the top of the display.

### **World Time**

World Time lets you view the time of day or night in up to four cities of the world at the same time. World Time displays time in any of dozens of different cities and/or time zones around the world.

- From the Tools menu, tap World Time. The World Time screen appears in the display.
- To add a clock to the World Time screen, tap +. The Add Clock menu pops-up in the display listing the following options:
  - United States: Lists cities in the USA.
  - . Other Countries: Lists cities in countries other than the USA.
- Tap the desired option. The Cities / Countries menu appears in the display.
- 4. Do one of the following:
  - Search for the desired city by opening the QWERTY keypad, tapping the search field, and entering the first few letters of the city's name.
  - Browse the list by swiping up/down until you find the desired city's name.
- To add the desired city to the World Time screen, tap the city's name



- 6. To set World Time options, tap the desired clock. The following options are available:
  - DST: Turns Daylight Saving Time display on or off for this clock.
  - Erase: Remove this clock from the World Time screen.
  - 2nd clock set: Designate this clock as 2nd clock.

## **Stop Watch**

Stop Watch lets you use your phone to measure the durations of events. You can use Stop Watch to measure lap times as well and total even times.

From the Tools menu, tap Stop Watch. The Stop Watch screen appears in the display.

The following options are available:

- . To begin or resume the stop watch count, tap Start.
- To record a lap completion time, tap Lap.
- To end or pause the stop watch count, tap Stop.
- To erase the stop watch all and lap times recorded, tap Reset.

### Timer

Timer lets you use your phone as a countdown timer. At the end of the count, an alert tone sounds.

- From the Tools menu, tap Timer. The Timer screen appears in the display.
- Set the countdown timer by tapping the up/down arrows for Hour (00 – 23), Minute (00 – 59), and/or Second (00 – 59).

- Start the timer by tapping Start. The following options are available:
  - To pause or end the count, tap Stop.
  - . To resume the count, tap Restart.
  - To erase the current count, tap Reset.

## Calculator

You can perform calculations, including addition, subtraction, multiplication, and division using your phone.

- From the Tools menu, tap Calculator. The Calculator keypad screen appears in the display.
- Enter the first number in your calculation using the touch screen keypad (numbers can be up to 15 digits long, with up to 10 of thos digits after a decimal point).
  - To toggle the sign of a number between positive and negative, tap +/-.
  - To "nest" calculations within a calculation, tap () before and after parts
    of the calculation you want to perform first.
- Set the type of calculation you want to perform (division, multiplication, subtraction, or addition) by tapping the appropriate calculation operator (/, X, -, +).
- Enter the next number in your calculation using the touch screen keypad.
- 5. To perform the calculation and view the result, tap =.
- To perform another calculation, clear the calculation field by tapping C.

# **Tip Calculator**

Tip Calculator automatically calculates the following amounts:

- Tip (gratuity)
- · Split (individual payment: for groups)

Calculations are based on the following numbers:

- Total amount of the check
- Tip percentage (default is 20%)
- Number of people paying (default is 2 persons)
  - From the Tools menu, tap Tip Calculator. The Bill entry keypad screen appears in the display.
  - 2. Enter the total amount of the bill by tapping the keypad keys.
  - Tap Done. The Tip Calculator screen appears in the display, with the Bill, Tip, and Split fields populated with your intial entry and default values.
  - To change the Bill, Tip, or Split field entry, tap the desired field, the entry keypad appears in the display.
  - Enter the new value and tap Done.
  - The amount of the Tip, the bill Total, and the amount Each person should pay appear in the screen.

### Converter

The conversion menu provides the following conversion calculations:

- · Temperature
- Length
- · Weight
- Area
- Volume

Currency

To perform a conversion calculation, do the following:

- From the Tools menu, tap Converter → Temperature / Length / Weight / Area / Volume / Currency. The quantity to be converted entry screen appears in the display.
- 2. Enter the quantity you want converted.
- Specify the units by tapping the down arrow button to the right of the quantity field. Available units pop-up in the display.
- Tap the desired units. A list of converted quantities appears below the entry field.

# Currency — Reviewing/Editing Exchange Rates

The Currency Converter includes long-term average exchange rates as default values. To review and/or change a default exchange rate to the current exchange rate, do the following:

- From the Tools menu, tap Converter → Currency. The quantity to be converted entry screen appears in the display.
- Tap Done → Rate. The currency exchange rates list for US Dollars (USD) appears in the display.
- To change an exchange rate, tap the rate field. The rate entry keypad appears in the display.
- Use the keypad to change the exchange rate. (For more information, refer to "Entering Text" on page 31.)
- To save the changed exchange rate, tap Done.

### **Device Search**

Device Search lets you search for information saved on your phone.

- From the Tools menu, tap Device Search. The Device Search All screen appears in the display.
  - To narrow your search, tap  $\blacksquare$ , then select All, Contacts, Recent Calls, Calendar, Message, Picture, or Menu.
- Enter the first word or first few characters of the information item you are seeking.
- Tap Search. A list of matching information items appears in the Device Search screen.

# **Section 11: Changing Your Settings**

This section explains how to customize your phone to suit your needs and preferences.

# **Accessing Your Settings**

To access your phone's settings from Standby mode, tap Menu → Menu 3 → Settings. The Settings menu appears in the display.

### Location

This function identifies your location to the network via the Global Positioning System (GPS). You can set this function for continuous operation or to operate only in the event that you dial 911.

Note: Contact your Wireless Provider to determine whether, when, or where location-based services are available.

1. From the Settings menu, tap Location.

The following options appear in the display:

- Location on: GPS location setting is on whenever you make or receive a call, wherever the feature is available.
- E911 Only: GPS location setting is on only when you dial 911.
- Tap the desired Location setting. You're returned to the Settings menu.

# Widgets

This setting lets you select which Widgets are available from the Widgest bar.

Note: For information on using the Widgets included in your R640 phone, see "Using the Widget Tray" on page 26.

 From the Settings menu, tap Widgets. The following Widgets are included in your R640 phone:



**Tone Room**: Launches the Tone Room application.



easyedge: Launches the easyedge<sup>SM</sup> menu.



**Send Message**: Launches the Send Message submenu.



**Top 5 Contacts**: Lets you quickly call any of five preidentified Contacts.



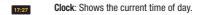
Ringtones: Opens the Ringtones folder.



Pictures: Opens the Pictures folder.



Calculator: Launches the Calculator tool.





Date: Shows the current day and date.





Bluetooth: Launches the Bluetooth menu.



Tutorial: Launches the Tutorial menu.

- To add/remove individual Widgets to/from the Widget bar, tap the check box to the right of each Widget. A checkmark appears for added Widgets, and disappears for removed Widgets.
  - To remove all Widgets from the Widget bar, tap the Unmark all checkbox.
  - . To add all Widgets to the Widget bar, tap the Mark all checkbox.
- 3. Mark or Unmark the desired settings.

# **Sounds Settings**

The sound menu provides a variety of options to customize audio properties for such things as ringers, keypad tones alerts, and more.

 From the Settings menu, tap Sounds Settings. The following sections describe the sound sub-menus in detail.

### Master Volume

Use the Volume sub-menu to set the default volume for incoming calls and alarms, or set the phone to vibrate.

- 1. From the Sounds Settings menu, tap Master Volume.
- Slide your finger around the Master Volume menu or press the Volume key (on the left side of the phone) Up or Down to select one the following volume settings:
  - All Sounds Off
  - Alarm OnlyVibrate Only
  - Low

- Medium I ow
- Medium
- · Medium High
- High
- Tap Set to save the setting.

#### **Call Sounds**

You can assign ringer types and melody tones for calls, alarms, and other alerts. in the Call Sounds sub-menu.

- From the Sounds Settings menu, tap Call Sounds. The following options appear in the display:
  - Call Ringtone: Lets you select which ringtone or sound file plays when you receive a voice call.
  - Call Vibrate: Lets you set your phone to vibrate when you receive a voice call (On).
  - Caller ID Readout: Lets you set your phone to respond to incoming calls by Ringing Only and showing the calling number, by showing the Caller ID and Ringing, or (for Contacts) to Repeatedly playback the calling Contact's Name
- Tap the desired setting(s).
- Tap the desired ringer.

### **Alert Sounds**

You can set your phone to sound an alert whenever you enter or leave your service area, connect or disconnect a call, as well as other options.

- From the Sounds Settings menu, tap Alert Sounds. The following Alert Sounds sub-menus appear in the display:
  - Text Message: Lets you select which Tone (ringtone or sound file) plays, set your phone to Vibrate, set your phone to Reminder (repeat) your Tone and/or Vibration (Once, Every 2 Minutes, Every 15 minutes, or Off) when you receive a Text Message.

- Multimedia Message: Lets you select which Tone (ringtone or sound file) plays, set your phone to Vibrate, set your phone to Reminder (repeat) your Tone and/or Vibration (Once, Every 2 Minutes, Every 15 minutes, or Off) when you receive a Picture Message.
- Voicemail: Lets you select which Tone (ringtone or sound file) plays, set your phone to Vibrate, set your phone to Reminder (repeat) your Tone and/or Vibration (Once, Every 2 Minutes, Every 15 minutes, or Off) when you receive a Voicemail message.
- Missed Call: Lets you select which Tone (ringtone or sound file) plays, set your phone to Vibrate, set your phone to repeat your Tone and/or Vibration (Once, Every 2 Minutes, Every 15 minutes, or Off) when you fail to answer (miss) a call.
- Device Connect: Lets you set your phone to play a tone when a Bluetooth connection with another device is established.
- 2. Tap the desired Alert Sound(s) and setting(s).

# Keypad Volume

Keypad Volume lets you adjust the volume level of the tones that the keypad generates each time you tap/press a key.

- From the Sounds Settings menu, tap Keypad Volume.
- Slide your finger around the Keypad Volume menu or press the Volume key (on the left side of the phone) Up or Down to select one the following volume settings:

Sound Off
 Medium
 Low
 Medium High
 Medium Low
 High

3. Tap Set to save the setting.

#### Service Alerts

You can set your phone to sound an alert whenever you enter or leave your service area, every minute during a call, as well as other options.

- From the Sounds Settings menu, tap Service Alerts. The following Service Alerts options appear in the display:
  - Roaming: Sounds an alert when you leave your home service area.
  - Minute Beep: Sounds an alert 10 seconds before the end of each minute a call lasts
  - Call Connect: When you make a call, an alert sounds when the call is answered
  - Tap the desired Service Alert setting(s).

### Power On/Off

You can set a melody to play when you power your phone on or off.

- From the Sounds Settings menu, tap Power On/Off. The following options appear in the display:
  - Power On: Set the Power On melody to play (tap On) or not (tap Off) when you power on your phone.
  - Power Off: Set the Power Off melody to play (tap On) or not (tap Off) when you power off your phone.
- 2. Tap the desired Power On/Off setting(s).

# **Display Settings**

Using the **Display** menu, you can set the menu style, set the Home screens and Lock screen wallpapers, customize the backlight settings, and more.

From the Settings menu, tap Display Settings. The following sections describe the display sub-menus in detail.

### **Banner**

Create your own personalized text greeting that appears in the display while your phone is in Standby mode.

 From the Display Settings menu, tap Banner. The Personal Banner text entry screen appears in the display.

Note: If necessary, press and hold the key to erase an existing banner.

- Open the QWERTY keypad and enter a word or short phrase (up to 18 characters) to appear in your phone's display while in Standby mode. (For more information, refer to "Entering Text" on page 31.)
- To save the new banner, tap Save. To discard your changes, tap

## **Backlight**

You can set the backlight for your display or keypad to remain on or off or to remain on for a specified period of time.

Note: Prolonged backlight use drains your battery faster.

- From the Display Settings menu, tap Backlight. The following sub-menus appear in the display:
  - Backlight Time: Sets the amount of time the main display backlight remains on with the phone idle. Optional settings are 10, 15, and 30 Seconds; Always On (this setting uses much more power than the timed settings); and Always Off.
  - Brightness: Slide your finger across the touch screen between any of 5 optional settings (1 5).
- Tap the desired option to launch its sub-menu and tap settings as desired

## Wallpaper

Wallpaper lets you choose the pictures that appear in your phone's display while in Standby mode.

- From the Display Settings menu, tap Wallpaper. The Pictures screen appears in the display.
- To browse the thumbnail images, slide your finger up or down on the touch screen.
- 3. Tap the desired picture, then tap Set.

### **Fonts**

Fonts lets you select the size of displayed dialed numbers and the color for the text on the Lock Screen.

- From the Display Settings menu, tap Fonts. The following options appear in the display:
  - Dial Font Size: Set dialed numbers to appear in Normal or Large font size.
  - Lock Screen Font Color: Select one of 16 colors.
- 2. Tap the desired font size and/or color.

#### **Unlock Screen**

Unlock Screen lets you select which key(s) can awaken your phone's display when locked and the backlight is off.

- From the Display Settings menu, tap Unlock Screen. The following options appear in the display:
  - Lock Key Only: Only pressing the Lock key can awaken the display.
  - . Any Key: Pressing any key can awaken the display.
- 2. Tap the desired setting.

#### Transition Effect

Transition Effect lets you select how one screen replaces another in phone's display.

- From the Display Settings menu, tap Transition Effect. The following options appear in the display:
  - On: One screen replaces another by sliding over it, Left to Right or Right to Left.
  - Off: One screen overwrites another.
- 2. Tap the desired Transition Effect setting.

# **Touch Settings**

Touch settings let you enable/disable automatic locking of your phone, vibration feedback when you touch an active area on the display, and more.

- From the Settings menu, tap Touch Settings. The Touch Settings screen appears in the display and lists the following options:
  - Auto Lock: When set to On, causes the phone to lock automatically when the backlight goes out.
  - Sound: Tap the desired the feedback tone (Beep/Glossy/Click) to be played when you touch active areas of the display.
  - Volume Level: Lets you set the volume at which the phone plays the feedback Sound.

- Sound Off - Medium - Low - Medium High

- Medium Low - High

# **Phone Settings**

You can use Phone Settings to disable your phone's radio functions, set the language used in screens and menus, invoke your phone's security options, and select whether your phone operates outside your home area (roaming).

From the Settings menu, tap Phone Settings. The following sections describe the phone sub-menus in detail.

## Airplane Mode

When set to **On**, Airplane Mode disables all radio functions of your phone, as required in sensitive environments (such as on board an aircraft). This prevents you from receiving or making calls (except emergency calls), but you can still use other features (such as the Camera and the Tools).

- From the Settings menu, tap Phone Settings → Airplane Mode. The following options appear in the display:
  - On: Disables the radio transmitter and receiver in your phone.
  - Off: Enables the radio transmitter and receiver in your phone.
- 2. tap the desired option.

## Language

The language option on your phone can change the language of voice prompts, menus, and key-input.

- From the Phone Settings menu, tap Language. The following options appear in the display:
  - English
  - Español
- 2. Tap your language preference.

### **QWERTY Action**

QWERTY Action lets you set a special shortcut for the QWERTY keypad.

- From the Phone Settings menu, tap QWERTY Action. The following options appear in the display:
  - . Off: No shortcut.
  - Text Message: Typing on QWERTY keypad opens the New Text Msg screen.
  - Contacts: Typing on QWERTY keypad opens the Contact List screen.
  - Memo Pad: Typing on QWERTY keypad opens the Add New Memo screen
- 2. Tap the desired option.

## **Word Completion**

Word Completion is a predictive text entry aid. When set to **0n**, this option monitors your text entries and pops-up a list of words that include the characters you have already entered. To complete the word you are entering, just select it in the pop-up list.

- From the Phone Settings menu, tap Word Completion. The following options appear in the display:
  - On: Predictive text entry enabled.
  - Off: Predictive text entry disabled.
- 2. Tap the desired option.

## Security

Use the Security menu to lock your phone, set up emergency numbers, enable or disable voice privacy, set restrictions, as well as other security options.

 From the Phone Settings menu, tap Security. The Enter Code keypad screen appears in the display. You're prompted to enter the lock code.

Note: The default lock code is the last four digits of your telephone number.

Enter the lock code. The Security menu appears in the display. The following sections describe the Security menu options in detail.

#### **Edit Code**

This option lets you set lock codes for your phone and/or for calls and services on your phone.

Tip: The default lock code for your phone is generally the last four digits of your phone number.

- From the Security menu, tap Edit Code.
- 2. Follow the prompts to change the lock code.

Note: Your phone does not allow you to view a lock code for obvious security reasons. If you change a lock code, be sure to write down or memorize the new code.

#### Restrictions

Restrictions let you restrict the use of your phone for outgoing calls, incoming calls, and access to your Contacts.

- From the Security menu, tap Restrictions. The following Restriction options appear in the display:
  - Calls: Lets you Allow All Incoming and/or Outgoing calls, Allow Contacts
    calls (Incoming and/or Outgoing) only, or Allow None.
  - SMS Messages: Lets you Allow All Incoming and/or Outgoing messages, Allow Contacts messages (Incoming and/or Outgoing) only, or Allow None
  - MMS Messages: Lets you Allow All Incoming and/or Outgoing messages, Allow Contacts messages (Incoming and/or Outgoing) only, or Allow None.

- IP Connection: Lets you Allow All IP connections / Allow None.
- Tap the desired Restriction and setting(s).

## **Phone Lock Setting**

Locking the phone limits all outgoing calls, except Emergency (911) calls. Also, you cannot access phone menus, functions, and services.

To unlock the phone, you must enter the phone's lock code. (For more information, refer to "Edit Code" on page 175.)

- From the Security menu, tap Phone Lock Setting.
   The following Device Lock Mode options appear in the display:
  - Unlocked: Unlocks the phone.
  - On Power Up: The phone locks automatically the next time your phone is powered ON. (The phone stays locked until you enter the lock code.)
- 2. Tap the desired Phone Lock Setting.

#### **Lock Phone Now**

This setting locks the phone immediately. The phone stays locked until you enter the lock code. (For more information, refer to "Edit Code" on page 175.)

From the Security menu, tap Lock Phone Now. "Phone locked" pops-up in the display. You are returned to the Home screen, which is now in Phone Lock mode.



### **Reset Settings**

Reset Settings returns all Settings options to their factory default.

- From the Security menu, tap Reset Settings. You are prompted to confirm that you wish to reset your phone's Settings to default values (except for your Contacts list and Voice Dial).
- To reset your Settings to default values, tap Yes.
   To keep your current Settings and return to the Security submenu, tap No.

## System Select

The **System Select** menu allows you to select the roaming setting for your phone.

- From the Phone Settings menu, tap System Select. The following roaming options appear in the display:
  - Home Only: Your phone is available for normal operation only within your designated coverage area.
  - Automatic: Your Wireless Provider's Preferred Roaming List (PRL) of networks is used to acquire service. If no preferred networks are found, any dioital system is acquired.
- Tap the desired roaming option. You setting is saved, and you are returned to the Phone Settings menu.

#### **NAM Select**

NAM Select lets you select **NAM** (Number Assignment Module) settings for your phone. You can store two **NAM** settings, which are essentially telephone numbers, for your phone.

- From the Phone Settings menu, tap NAM Select. The following options appear in the display:
  - NAM1: Your service contract has one phone line.
  - NAM2: Your service contract has two phone lines.
- Tap the desired NAM setting. The phone powers itself off and back on.

## **Set Time**

Use the **Set Time** option to set the current date and time.

Note: In digital service mode, the Set Time feature is disabled. The network adjusts time and date automatically.

- From the Phone Settings menu, tap Set Time. The following options appear in the display:
  - Set Date
  - Set Time
- Select the desired option and enter the current date and/or time.

## **PC Connection**

PC Connection lets you select the default type of PC connection you wish to use to exchange files between a PC and your R640.

Tip: For more information on using PC Connection, contact your service provider.

- At the Phone Settings sub-menu, tap PC Connection. The following options appear in the display:
  - USB Mass Storage: Automatically activates when you connect your
    phone to a PC with an optional USB Data Cable. Lets you access your
    phone's memory and any optional microSD Memory Card, if installed,
    from your PC. (For more information, refer to "Install a Memory
    Card" on page 16.)
  - No Connection: This option blocks your R640 from connecting with a PC.
- 2. Tap the preferred PC Connection type.

# **Call Settings**

You can use Call Settings to select how your phone handles calls, both voice and data calls

From the Settings menu, tap Call Settings. The following sections describe the call sub-menus in detail.

## **Answer Options**

You can select a specific answer mode when you receive an incoming call. (For more information, refer to "Call Answer" on page 48.)

Tip: You can set your phone to answer calls automatically, without any input from you. (For more information, refer to "Call Answer" on page 48.)

## **Auto Retry**

Auto Retry automatically re-dials a number if the connection fails. Depending upon your location, the number of times your phone automatically dials the number may vary.

- From the Call Settings menu, tap Auto Retry. The following options appear in the display:
  - Every 10 Seconds: Phone automatically re-dials a number every 10 seconds.
  - Every 30 Seconds: Phone automatically re-dials a number every 30 seconds.
  - Every 60 Seconds: Phone automatically re-dials a number every 60 seconds.
  - **Off**: Disables automatic re-dialing of numbers.

Tap the desired setting.

#### TTY Mode

Your phone is fully TTY compatible. TTY equipment is connected to your phone through the headset connector on the left side of the phone. TTY must be enabled before you can use your phone with a TTY device.

 From the Call Settings menu, tap TTY Mode. You are prompted to confirm you want to change the current TTY Mode setting.

Note: The "Enabling TTY will disable headset audio. Continue?" message pops up when you tap TTY Mode.

To return to the Call Settings sub-menu, press No.

To access the TTY Mode options, press **Yes**. The following options appear in the display:

- TTY Full: Enables TTY mode and disables microphone and earpiece.
- TTY + Talk (VCO): Enables TTY mode and microphone.
- TTY + Hear (HCO): Enables TTY mode and earpiece.
- TTY Off: Disables TTY mode.
- Tap the TTY setting of your choice.

Note: The TTY icon ( ) appears in the top of the display.

#### **One Touch Dial**

- From the Call Settings menu, tap One Touch Dial. The following options appear in the display:
  - On: One Touch Dial is enabled.
  - Off: One Touch Dial is disabled.
- 2. Tap the desired setting.

## Voice Privacy

Voice Privacy when enabled (that is, set to **Enhanced**), turns on advanced voice encryption.

- From the Call Settings menu, tap Voice Privacy. The following options appear in the display:
  - Enhanced: Voice privacy is enabled.
  - Standard: Voice privacy is disabled.
- 2. Tap the Voice Privacy setting of your choice.

### **DTMF Tones**

DTMF Tones let you select the length of the tone that the keypad generates each time you press a key.

- 1. From the Call Settings menu, tap DTMF Tones.
  - The following options appear in the display:
  - Normal
  - Long: Can be useful with automated systems.
- 2. Tap the desired setting.

## **International Dialing**

This setting lets you change your phones automatic International Dialing Code to one used in countries outside the North American Dialing Plan.

- From the Call Settings menu, tap International Dialing.
- Select the Country Code you want as the new default code for Plus Code Dialing. (For more information, refer to "Plus (+) Code Dialing" on page 43.)

## **Memory Manager**

**Memory Manager** lets you quickly and easily review and manage your phone memory usage.

From the Settings menu, tap Memory Manager. The following sections describe the Memory Manager options in detail.

## **Save Options**

Save Options let you specify where you want your images stored.

- From the Memory Manager menu, tap Save Options → Pictures / Sounds. The following storage options are available:
  - Phone: Saves the selected type of files in your phone's memory.
  - Card: Saves the selected type of files in a removable microSD memory card.
- Tap the desired storage location(s).

## Phone Memory

Lets you review your phone's available memory and manage your files stored there.

## **Memory Usage**

Memory Usage lets you review your usage of your phone's memory.

- ► From the Memory Manager menu, tap Phone Memory → Memory Usage. The Memory Usage screen appears in the display showing the following information:
  - · Available unused memory
  - · Used memory usage
  - Total memory
  - · Pictures memory usage
  - · Ringtones memory usage
  - · Applications memory usage
  - Multimedia Msg memory usage

## Freeing Memory

**Phone Memory** sub-menus let you list files in your multimedia folders and let you erase or move files as needed to free up memory on your phone for reuse.

 From the Memory Manager menu, tap Phone Memory → Pictures / Ringtones. A list of all files in the related folder appears in the display. Files are listed by name, and each file entry shows the name and size of each file.

- 2. To erase files, do the following:
  - Press Erase.
  - Tap a file to mark the file for erasure. (Tap Mark All to mark all files for erasure.)
  - Tap Done. You are prompted to confirm erasure of the selected file(s).
  - Tap Yes to erase all marked files, or tap No to return to the Erase screen.
- 3. To move files to the Memory Card, do the following:
  - · Press Move.
  - Tap a file to mark the file for moving. (Tap Mark All to mark all files for moving.)
  - Tap Done. You are prompted to confirm moving the selected file(s) to the Memory Card.
  - Tap Yes to move all marked files, or tap No to return to the Move screen.

## **Card Memory**

Card Memory lets you review a removable, microSD Memory Card's available memory, manage your files stored there, and format new microSD Memory Cards.

## **Memory Usage**

Memory Usage lets you review your usage of your Memory Card.

From the Memory Manager menu, tap Card Memory →

**Memory Usage**. The **Memory Usage** screen appears in the display showing the following information:

- Available unused memory
- Used memory
- Total memory
- · Pictures memory usage
- . Music memory usage
- 2. Press to return to the Card Memory menu.

## **Freeing Memory**

Card Memory sub-menus let you list files in your multimedia folders and let you erase or move files as needed to free up space on your Memory Card for reuse.

 From the Memory Manager menu, tap Card Memory → Pictures / Music. A list of all files in the folder appears in the display.

Files are listed by name, and each file entry shows the name and size of each file.

- 2. To erase files, do the following:
  - Tap Erase.
  - Tap a file you want to erase to mark the file for erasure. (Tap Mark All to mark all files for erasure.)
  - Tap **Done**. You are prompted to confirm erasure of the selected file(s).
  - Tap Yes to erase all marked files, or tap No to return to the Erase screen.
- 3. To move files to the phone, do the following:
  - Tap Move.
  - Tap an image file to mark the file for moving. (Press Mark All to mark all files for moving.)
  - Tap Done. You are prompted to confirm moving or copying the selected file(s) to the phone.
  - Tap Yes to move all marked files or press No to return to the Move screen.

Press to return to the Pictures / Music / Format Card submenu. Press to return to Standby mode.

## Formatting a Memory Card

Tip: Memory Cards written to and/or formatted by other devices are likely to slow your phone's response to commands and produce other unwanted results. To avoid such problems, format a used microSD Memory Card after inserting it in your handset.

Formatting a microSD or microSDHC Memory Card erases any data currently on the card and creates multimedia directories compatible with your phone.

Caution!: Repeated formatting of a microSD card reduces its service life. So, don't reformat a Memory Card just to free up storage space.

To regain space on a microSD card already formatted by your phone, just delete unwanted files. (For more information, refer to "Card Memory" on page 185.)

- From the Memory Manager menu, tap Card Memory →
  Format Card. You are prompted to confirm formatting of the
  Memory Card.
- To format the Memory Card, tap Yes. To return to the Card Memory screen without formatting the card, tap No.

#### **Phone Info**

Phone Info options let you identify important information about your phone, such as the hardware and software versions of your phone, the meanings of your phones status icons, and the phone number assigned to your phone.

Tip: This information can be very important to you when contacting Customer Care personnel.

- From the Settings menu, tap Phone Info. The following options appear in the display:
  - My Number: Shows the ten-digit number assigned to your phone by your Wireless Provider.
  - SW/HW Version: Shows both the software and hardware versions of your phone.
  - Icon Glossary: Shows and defines the status icons that can appear in the display.
  - Software Update: Lets you Check for Available over-the-air phone software updates and/or check your phone's current software Status.
- 2. Tap the desired Phone Info option.

# **Section 12: Health and Safety Information**

This section outlines the safety precautions associated with using your phone. The terms "mobile device" or "cell phone" are used in this section to refer to your phone. Read this information before using your mobile device.

# **Exposure to Radio Frequency (RF) Signals**

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

## Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

# Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

#### Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information

about Interphone can be found at http://com.iarc.fr/en/media-centre/pr/.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

## International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at <a href="http://www.ukcosmos.org/index.html">http://www.ukcosmos.org/index.html</a>.

# 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 ageadjusted 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/rfsafetv/.
- 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:
   <a href="http://www.fda.gov/Radiation-EmittingProducts/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm">http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm</a>.

# Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

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

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body-worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- Head: 0.50 W/Kg.
- Body-worn: 0.97 W/Kg.

SAR information on this and other model phones can be viewed online at <a href="http://www.fcc.gov/oet/ea">http://www.fcc.gov/oet/ea</a>. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at <a href="https://www.fcc.gov/cgb/sar">www.fcc.gov/cgb/sar</a>.

# **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: <a href="http://pages.samsung.com/us/recyclingdirect/">http://pages.samsung.com/us/recyclingdirect/</a>

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 <a href="http://www.samsung.com/us/aboutsamsung/citizenship/">http://www.samsung.com/us/aboutsamsung/citizenship/</a> usactivities environment samsungrecyclingdirect.html?INT=STA recyle y our phone page and follow the instructions to print out a free prepaid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

# www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

# Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning!: Never dispose of batteries in a fire because they may explode.

## **UL Certified Travel Charger**

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL quidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE. IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

# **Display / Touch-Screen**

Please note the following information when using your mobile device:

#### WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

# WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, refer to "Standard Limited Warranty" on page 229.

#### **GPS & AGPS**

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location-based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Certain Samsung mobile devices can also use an Assisted Global Positioning System (AGPS), which obtains information from the cellular network to improve GPS performance. AGPS uses your wireless service provider's network and therefore airtime, data charges, and/or additional charges may apply in accordance with your service plan. Contact your wireless service provider for details.

#### **Your Location**

Location-based information includes information that can be used to determine the approximate location of a mobile device. Mobile devices which are connected to a wireless network transmit location-based information. Additionally, if you use applications that require location-based information (e.g. driving directions), such applications transmit location-based information. The location-based information may be shared with third-parties, including your wireless service provider, applications providers, Samsung, and other third-parties providing services.

## Use of AGPS in Emergency Calls

When you make an emergency call, the cellular network may activate AGPS technology in your mobile device to tell the emergency responders your approximate location.

AGPS has limitations and might not work in your area. Therefore:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

## **Navigation**

Maps, directions, and other navigation data may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.

# **Emergency Calls**

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances. Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

### To make an emergency call:

- 1. If the mobile device 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.
- 3. Press the "Send" 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 noiseinduced 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: <a href="http://www.audiology.org/Pages/default.aspx">http://www.audiology.org/Pages/default.aspx</a>

# 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.

# FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless mobile devices under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless mobile devices be compatible with hearing aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities. While some wireless mobile devices are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

**M-Ratings**: Mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings.

**T-Ratings**: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless mobile device rating values are then added together.

A sum of 5 is considered acceptable for normal use. A sum of 6 is considered for best use.



In the above 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 equal M5. This is synonymous for T ratings. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless mobile device.

"Normal usage" in this context is defined as a signal quality that is acceptable for normal operation. The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

# Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children

#### **FCC Notice and Cautions**

#### **FCC Notice**

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

#### Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device. Although your mobile device is quite sturdy, it is a

complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

# **Other Important Safety Information**

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.

# **Section 13: Warranty Information**

## **Standard Limited Warranty**

#### What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

 Phone
 1 Year

 Batteries
 1 Year

 Leather Case
 90 Days

 Holster
 90 Days

 Other Phone Accessories
 1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, neglect, unusual physical, electrical or electromechanical stress, or defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts unless caused by SAMSUNG; (b) defects or damage resulting

from excessive force when pressing on a touch screen; (c) equipment that has the serial number or the enhancement data code removed, defaced. damaged, altered or made illegible; (d) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (e) malfunctions resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (f) defects or damage from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG: (g) defects or damage from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake, or from exposure to weather conditions, or battery leakage, theft, blown fuse, or improper use of any electrical source: (h) defects or damage caused by cellular signal reception or transmission, or viruses or other software problems introduced into the Product; (i) any other acts which are not the fault of SAMSUNG; or (i) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery. (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser

must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the original date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product. call Samsung Customer Care at 1-888-987-4357. Upon receipt. SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt. reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are The Limits On Samsung's Warranty/liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE:
- WARRANTIES OF TITLE OR NON-INFRINGEMENT:
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT:
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE. SPECIFICATION OR CONTRACT PERTAINING THERETO.

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This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

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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## **Precautions for Transfer and Disposal**

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's

Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important!: Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply. Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Samsung Telecommunications America, LLC:

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

Important!: If you are using a handset other than a standard numeric keypad, dial the numbers listed in brackets.

Phone: 1-888-987-HELP (4357)

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