SCH-R850 Series

P O R T A B L E D U A L - M O D E

M O B I L E P H O N E

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



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Section 1: Getting Started

This section explains how to start using your SCH-R850 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 156.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the guide, beginning on page 128.

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 sub-menu.
- **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	Touch 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.

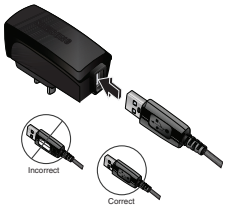
Example: "...Settings → Call Settings → Call Answer..."

Charging the Battery

Your phone is powered by a rechargeable standard Li-Ion 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, light-weight charger that rapidly charges your phone from any 120/220 VAC outlet.



1. Plug the large end of the USB Data Cable supplied with your phone into the Travel Adapter, as shown.
2. Plug the Travel Adapter into a standard 120 VAC or 220 VAC wall outlet.

Important!: 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.



3. If needed, install the battery in the phone. (For more information, refer to *"Install the Battery"* .)
4. 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 148).

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-Ion 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.

1. Insert the top end of the battery first, matching the gold contacts on the battery to those on the inside of the phone.



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



Remove the Battery

1. Press and hold [⏻] to turn off the phone (if on).
2. Press down on the battery cover, slide the cover (1) toward the bottom end of the phone, then lift the cover away from the phone (2).

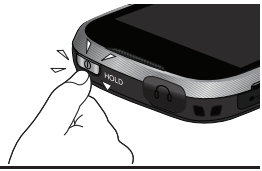


3. Lift the battery up (1) and away (2) from the phone, top end first.



Turn Your Phone On

1. Press and hold the LOCK key ( ), on the top 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.

2. The phone begins searching for a network signal.
3. Once the phone finds a signal, the time, date, and day appear in the second line of the display.
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 ( ) 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 LOCK key ( ), on the top 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.

1. In Standby mode, touch the **Dialer** soft key, then touch and hold 1 or dial your own mobile number to dial Voicemail. (For more information, refer to *"Making a Call — Number Entry Dialing"* on page 18.)
2. Follow the prompts in the new user tutorial to setup your mail box.

Listen to Voicemail

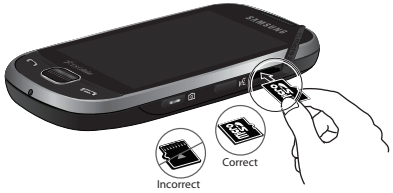
1. In Standby mode, touch the **Dialer** soft key, then touch and hold 1 or dial your own mobile number to dial Voicemail. (For more information, refer to *"Making a Call — Number Entry Dialing"* on page 18.) After connecting, you will hear your voice greeting.
2. You are prompted to enter your password.

Memory Card (Optional)

You can install a microSD™ card to provide additional memory for storing files (such as, sound files and photos) in your phone.

Install a Memory Card

1. Open the microSD cover on the right hand side of the phone, as shown.



2. Make sure that the gold contacts of the card are face down, as shown, then carefully slide the memory card into the memory card slot until you feel it click into place.
3. Replace the microSD cover.

Remove a Memory Card

1. Open the microSD cover on the right hand side of the phone.
2. Carefully press the memory card inward until you feel it release.
3. Slowly release your pressure on the card. It will slide outward a short distance.
4. Remove the memory card from the memory card slot.
5. If desired, install another memory card. (For more information, refer to *"Install a Memory Card"* on page 8.)
6. Replace the microSD cover.

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 x400 pixels), color]
- Widget bar and three-page Standby and Main Menu screens
- Motion and position sensitivity
- Full-HTML Browser
- Messaging (Text, Picture, Video, and Email) with QWERTY Touch Keypad
- 3.0 Megapixel wide screen Camera-Camcorder
- High speed data (EVDO)
- Bluetooth® Stereo (v2.0) Wireless Technology (see Note)
- Global Positioning (GPS) Technology
- PIM Functions
- Voice and Touch Keypad Dial
- Music (MP3) Player and Video (MP4) Player
- Memory Card slot (for optional microSD™ cards)

Note: The R850™ phone supports the wireless hands-free profile and the serial port profile for Bluetooth® v2.0 wireless technology. The R850™ does not support Bluetooth OBEX profiles.

Front View of Your Phone

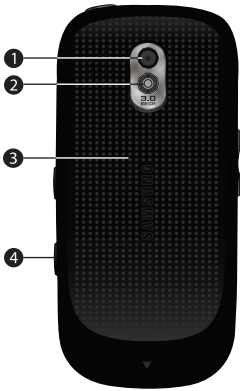


Features

1. **Headset Connector** — Used to connect an optional wired headset or TTY device to your phone.
2. **Earpiece / Speaker** — Lets you hear ringing and alert tones, alarm tones, and the other parties to calls.

3. **Power / Accessory Connector** — Used to connect charging accessories or any available accessory cables to your phone.
4. **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.
5. **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).
6. **Send Key** — Lets you place or receive a call. In Standby mode, press the key once to access the Recent Calls log.
7. **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.
8. **Microphone** — Lets the other caller hear you clearly when you are speaking to them.
9. **End Key** — Ends a call. Returns you to Standby mode from any feature, function, or menu.
10. **Camera Key** — Launches the Camera-Camcorder feature of your phone and takes pictures or records videos.
11. **Voice Recognition Key** — Used to launch VoiceSignal voice recognition system.
12. **Memory Card Slot** — Used to plug in an optional microSD™ memory card for additional multimedia file storage.
13. **Power On-Off/LOCK** key — Turns the power on and off. Locks and unlocks the keys and the touch screen and lights the backlight.

Rear View



1. **Camera Lens** — The lens of your built-in camera.
2. **Flash** — Lets you take photos in low light conditions.
3. **Battery Cover** — Protects the battery.
4. **Camera Key** — Launches the Camera-Camcorder feature of your phone and takes pictures or records videos.

Command Keys

Power On-Off/LOCK key

- Press and hold the Power On-Off/LOCK key ( ) to turn your phone on or off.
- With the phone keys and touch screen locked, press and hold the Power On-Off/LOCK key ( ) to unlock the phone.

Note: With the phone locked, you can still answer incoming calls by pressing the Talk key.

Volume Key

- In Standby mode, press the Volume key ( ) on the left side of the phone Up or Down to adjust the volume of the incoming calls ringer.
- When receiving a call, press the Volume key Up or Down to mute the ringer.
- During a call, press the Volume key Up or Down to adjust the voice volume in the Earpiece-Speaker.
- When playing a music file or video clip, press the Volume key Up or Down to adjust the playback volume.

Soft Keys

Functions for the soft keys are defined by what appears above each in the display. There are four soft keys across the bottom of the display.

Send Key

The Send key ( ) is used to answer calls, dial calls, and to recall the last number(s) dialed, received, or missed.

- Press once to answer calls.
- Enter a number and briefly press to make a call.
- Briefly press in Standby mode to display a list of recent calls to and from your phone.
- Press twice in Standby mode to call the most recent number.
- Press to pick up a waiting call. Press again to switch back to the other call.

Clear Key

The Clear key ( ) is used to erase or clear numbers, text, or symbols from the display. You can also use the key to return to a previous menu or to return to Standby mode from any menu.

- If you enter an incorrect character, briefly press to backspace (and delete) the character.
- To erase the entire sentence, press and hold .
- To return to the previous menu level, briefly press .

End Key

- Briefly press once to disconnect a call.
- Press to return to Standby mode from any menu, or to cancel the last input.

Camera Key

Use the Camera key on the right side of the phone to launch the Camera function on your phone by pressing and holding this key.

Understanding the Display Screen



1. The top line of your phone's display contains icons that indicate network status, battery power, signal strength, connection type, and more.
2. Tapping the left side of the display opens the Widget Bar that lists available shortcut widgets.
3. 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 Menu.

4. The center portion of the display shows information such as call progress information, messages, and photos.
5. Tapping the top line of the display pulls down a four-icon shortcut bar. To hide the four-icon shortcut bar, tap anywhere on the screen below the shortcut bar.

Display Screen Icons

Your 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, press **Menu**, then select **Phone Info** ➔ **Icon Glossary**. A list appears showing the icons that can appear on the top line of the displays.

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!"

Backlight

The backlight illuminates the display. It goes off when the screen and phone keys are not pressed within a period of time set in the **Backlight Time** menu. The backlight turns on when you press a key.

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

(For more information, refer to *"Backlight Time"* on page 111.)

Your Phone's Modes

Call Answer Mode

You can choose to answer a call by pressing any key except  or , or by pressing only the  key. (For more information, refer to *"Call Answer"* on page 113.)

Input Mode

Input mode determines how you enter text, numbers, and symbols. While at any text entry screen, press the down arrow in the upper left corner of the screen, then select the input mode from the drop-down menu. Optional input modes are:

- **3X4Keypad** (phone-style touch keypad)
- **QWERTY** (full touch keypad — changes display to landscape mode)
- **Handwriting box** (divided pallet)
- **Handwriting full screen** (undivided pallet)

(For more information, refer to *"Changing the Text Entry Mode"* on page 45.)

Tip: When using the 3X4Keypad mode, you can also choose between **Abc**/**ABC**, **T9 Word**, and **123** by pressing the **Entry Mode** soft key.

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.

To enter Lock Mode:

- In Standby mode, press [0] on the top of the phone. The lock mode screen appears momentarily in the display, then the screen goes dark.

To exit Lock Mode:

- While in Lock mode, press and hold [0] until the Standby mode screen appears in the display.



(For more information, refer to *"Change Lock Code"* on page 118.)

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 the End key after a call or from within a menu.

In Standby mode, you will see the time, day, and date as well as all phone status icons.

Place Calls in Standby Mode

1. In Standby mode, enter a phone number, and press  to place a call.
2. Press  to return to Standby mode.

Receive Messages in Standby Mode

While your phone is in Standby mode, new incoming messages automatically appear in the screen as they are received. Use the Navigation key to scroll through text or to view complete images.

Talk Mode

You can place and receive calls only when your phone is on. While in a call, your phone is in talk mode. Press the **Clear** key to display a list of menu options. (For more information, refer to *"The In-Use Options"* on page 30.)

Enter/Exit Silent Mode

Silences the ringers, the alerts, and the tones your keypad makes when you press a key.

To enter Silent Mode:

- In Standby mode, repeatedly press the Volume key () Down until "**Silence All**" appears in the display.

To exit Silent Mode:

- While in Silent mode and Standby mode, repeatedly press the Volume key () Up until "**Silence All**" disappears from the display and the desired ringer value appears.

Vibrate Mode

- In Standby mode, repeatedly press the Volume key () down until "**Vibrate only**" appears in the display.

Note: The Volume key is on the left side of phone.

Adjust the Ringer

To adjust the Ringer volume, while in Standby mode, press the Volume key up or down.

1. In Standby mode, press the Volume key up or down to set the call ringer volume as desired.

   Options are:

   - **Silence All**
   - **Alarm only**
   - **Vibrate only**
   - **1 Beep**
   - **Low**
   - **Low/Medium**
   - **Medium**
   - **Medium/High**
   - **High**

2. When you are satisfied with the setting. Your phone returns to Standby mode.

Note: The Vibrate icon () appears in the display when the phone is in **Vibrate** mode. The No Ring icon () appears in the display when the phone is in **Silence All** mode.

Music Player Mode

The Music Player in your phone can play music files (MP3, CMX, Midi, AAC, AAC+, and eAAC+), but only if they are stored in the My Music folder on an optional microSD Memory Card.

Note: For more information, refer to *"Memory Card (Optional)"* on page 8.

- **Entering Music Player Mode:**
  - In Standby mode, display the shortcut menu by selecting the status bar at the top of the display, then select ( ).
  - or -
  - In Standby mode, press the **Menu** soft key, then select **Music Player**.

Note: For more information, refer to *"Music Player"* on page 79.

- **Exiting Music Player Mode** — Press .

Camera Mode

Camera mode lets you take pictures with your phone's camera. In Camera mode, you can also adjust the resolution and appearance of your pictures.

For more information, refer to *"Camera-Camcorder"* on page 63.

- **Entering Camera Mode:**
  - In Standby mode, press and hold the Camera key ( ) — on the right side of the phone.
  - In Standby mode, press the **Menu** soft key, then select **Camera**.
  - In Standby mode, press the **Menu** soft key, then select **Multimedia** ➔ **Camera**.
  - In Camcorder mode, select .
- **Exiting Camera Mode** — Press .

Camcorder Mode

Camcorder mode lets you record videos with your phone's camera. In Camcorder mode, you can also adjust the resolution and appearance of your videos.

For more information, refer to *"Camera-Camcorder"* on page 63.

- **Entering Camcorder Mode:**
  - In Standby mode, press and hold the Camera key ( ) — on the right side of the phone — then, select .
  - In Standby mode, press the **Menu** soft key, then select **Multimedia** ➔ **Camcorder**.
  - In Camera mode, press .
- **Exiting Camcorder Mode** — Press the key.

Video Player Mode

The Video Player in your phone can play video files [3GS, MP4, H.263, and H.264 (Decoding: QCIF Only)], but only if they are stored in the My Video folder in the phone or on an optional microSD Memory Card.

Note: For more information, refer to *"Memory Card (Optional)"* on page 8.

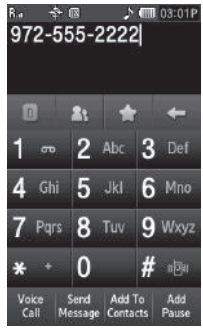
- **Entering Video Player Mode:**

1. In Standby mode, press **Menu**, then select **Multimedia** ➔ **My Videos**.
   – or –
   In camcorder mode, press .
   The Videos screen appears containg a list of videos with thumbnail images appears in the display.
2. Select the desired video. The Video Player screen appears in the display and begins playing the highlighted video.

Note: For more information, refer to *"Video Player"* on page 84.

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

Making a Call — Number Entry Dialing



1. With the phone on, press the **Dialer** soft key. The touch keypad screen appears in the display.
2. Enter the number you wish to call using the touch keypad.
3. Press or the **Voice Call** soft key to place the call.

Dialing Emergency Numbers

When you call an Emergency Number, such as 911, your 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.

1. With the phone on, press the **Dialer** soft key. The touch keypad screen appears in the display.
2. Enter 911 using the touch keypad.
3. Press or the **Voice Call** soft key to place the call.

Important!: Emergency number 911 is preset into your phone.

If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

Important!: Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important!: DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Note: You can specify other numbers than 911 as emergency numbers using the **Emergency #** settings. (For more information, refer to *"Emergency #"* on page 118.)

Manual Pause Calling

When you call automated systems (like banking services), you are often required to enter a password or account number.

Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses.

- **W Pause** — A hard pause stops the calling sequence until you press .
- **P Pause** — A two-second pause stops the calling sequence for two seconds and then automatically sends the remaining digits.

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

1. With the phone on, press the **Dialer** soft key. The touch keypad screen appears in the display.
2. Enter the number you wish to call.
3. Press the **Add Pause** soft key.

   A pop-up menu containing the following options appears in the display:

   - **Wait** — a hard pause (awaits input from you).
   - **2-Sec Pause** — a two-second pause.

Tip: You can create pauses longer than two seconds by entering multiple P Pauses.

4. Select the desired pause option. The respective letter (W or P) is added to your number entry.
5. Press or the **Voice Call** soft key to call the number.

Making a Call — Speed Dialing

You can store phone numbers and contact names in your phone's Contacts list. Speed Dialing lets you quickly and easily dial any contact in your Contacts list by using that contact's Favorites number in the list. You can assign and change Favorites (speed dial) numbers for your contacts. (For more information, refer to *"Assigning a Speed Dial Number"* on page 40.)

One-Touch Dialing

Speed Dial numbers 002 through 009 are special One-Touch dialing numbers. You can call the phone numbers stored in your phone's Contacts list and assigned Speed Dial numbers 002 through 009 by pressing and holding a single key.

Example: For Speed Dial number 003, press the **Dialer** soft key, then press and hold 3 Def until the name and number appear in the display and the number is dialed.

Two-Touch Dialing

Memory locations 010 through 030 are special Two-Touch dialing locations.

Example: For Speed Dial number 013, briefly press 1, then press and hold 3 Def until the name and number appear in the display and the number is dialed.

Pause Dialing From a Contacts Entry

- If you speed dial a contact that contains two-second (P) pause(s) simply wait for the pauses to pass and the dialing to complete.
- If you speed dial a contact that contains hard (W) pauses, wait for the appropriate prompt(s) from the number you are calling (credit card number, bank account number, and so on) and press to continue your dialing sequence.

Note: For more information about dialing pauses, refer to *"Manual Pause Calling"* on page 18.

Making a Call — Voice Dialing

Your R850 mobile phone includes state-of-the-art voice recognition software that lets you dial numbers using your voice.

Using Voice Dial

Use the **Voice Dial** command to dial any number stored in your Contacts list by saying the name of the contact (Name Dialing). You can also use Voice Dial to dial any valid 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:

1. In Standby mode, press the Voice Recognition key ( ). "**Say a Command**" appears in the display and is pronounced through the earpiece.
2. Say, "**Call**". You are prompted to "**Say the name or number...**".
3. Speak clearly and say the name of a person in your Contacts list, first name followed by last name.

   Voice Dial displays a choice list of up to three names and prompts you with "**Did you say?**" followed by the first name on the list.
4. 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 *"Confirmation"* on page 89.)
   - Press to exit Voice Service without dialing.

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

5. Say one of the following number types:
   - "**Mobile**"
   - "**Home**"
   - "**Work**"
   - "**Fax**"

   Voice Dial dials the specified number.

Dialing a Number

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

1. In Standby mode, press the Voice Recognition key ( ). "**Say a Command**" appears in the display and is pronounced through the speaker.
2. Say "**Call**". VoiceSignal prompts you to "**Say the name or #**".
3. 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."* Voice Dial displays a choice list of up to three numbers and prompts you with "**Did you say?**" followed by the first number on the list.
4. 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 *"Confirmation"* on page 89.)

   - Press to exit Voice Service without dialing.

Pause Dialing From a Contacts Entry

- If you voice dial a contact that contains 2-sec (P) Pauses(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).
- If you voice dial a contact that contains hard (W) Pause(s), simply wait for the pauses to pass and the dialing to complete.

Answering a Call

Your phone notifies you of a call in the following ways:

- A ring tone sounds and/or your phone vibrates (Your phone provides eight ring volume settings including: **Silence All**, **Alarm only**, **Vibrate only**, **1 Beep**, **Low**, **Low/Medium**, **Medium**, **Medium/High**, or **High**, and/or different ring types to distinguish callers.)
- A phone number (unless blocked by the caller) and a name appear in the display (If the caller's number and name are stored in your Contacts list).
- If the caller can't be identified, **Call from unavailable #**, **Call from restricted number**, or no number appears in the display.
- Your phone continues to notify you of the call until one of the following events occurs:

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

Answering an Incoming Call

▶ Press the key. The ring tone and/or vibration stop and the caller's voice can be heard in the earpiece.

Tip: You can set your phone to answer calls automatically or when you press any key but . (For more information, refer to *"Call Settings"* on page 113.)

Ignoring a Call

When you ignore an incoming call, the call is immediately forwarded to your voice mail.

Adjusting the Call Volume

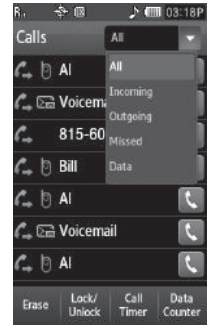
▶ In Standby mode, repeatedly press the Volume key Down until the Call Volume Level desired appears in the display. The Volume key is on the left side of phone.

Calls Log

The Calls log retains information about Outgoing, Incoming, and Missed calls. You can also view times for your last call and the total times for all calls.

Review the Calls Log

1. In Standby mode, press the **Menu** soft key, then select **Calls**. The Calls list appears in the display showing **All** calls.
2. Select the Down arrow in the upper right corner of the screen. The following Calls log options appear in a drop-down menu:
   - **All**
   - **Incoming**
   - **Outgoing**
   - **Missed**
   - **Data**



Note: To review your device's Call Timers or Data Counters, press the **Call Timer** soft key or the **Data Counter** soft key.

3. Select the Calls log that you wish to review or the function you wish to access.

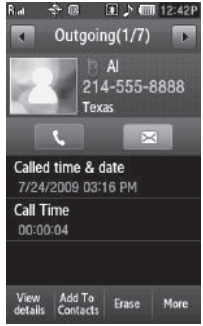
Note: In cases where a Calls log entry concerns a call to or from a Contacts entry, the Contact name associated with the number appears in the Calls log list instead of the number.

Outgoing Calls

Your phone retains information about the last 90 outgoing calls and stores them in the Outgoing calls log. You can review the Outgoing calls log for the time and date of a call, as well as other information.

Note: In Standby mode, you can quickly view your most recent calls of all types by briefly pressing . A list containing up to 270 of your most recent outgoing, incoming, and missed calls appears in the display.

1. In Standby mode, press the **Menu** soft key, then select **Calls**. The Calls list appears in the display showing **All** calls.
2. Select the Down arrow in the upper right corner of the screen, then select **Outgoing**. A list of Outgoing Calls appears in the display.
3. Select a call to view further information about it. The call information screen shows the recipient's name (Contacts only), the number dialed, the time and date the call was made, and the duration of the call.
4. The call information screen offers the following options:
   - — Press to dial this number.
   - — Press to send a Text, Picture, or Video message to this number. (For more information, refer to *"Creating and Sending New Messages"* on page 49.)
   - To add the number to your Contacts list, press the **Add To Contacts** soft key.
   - Contacts only — To view Contact information for this call, press the **View details** soft key.

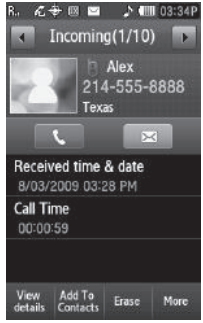


   - To delete the selected call from your Outgoing calls log, press the **Erase** soft key.
   - To block / permit deletion of the selected call, press the **More** soft key, then select **Lock**.
   - To copy this number to the Dialer screen so that you can make changes (such as, to add Pauses) before reuse, press the **More** soft key, then select **Copy to dialer**.
5. To review another Outgoing call, press the Left and Right arrow keys at the top of the screen.

Incoming Calls

Your phone retains information about the last 90 Incoming calls and stores them in the Incoming calls log. You can review the Incoming calls log for the time and date of the call, as well as other information.

1. In Standby mode, press the **Menu** soft key, then select **Calls**. The Calls list appears in the display showing **All** calls.
2. Select the Down arrow in the upper right corner of the screen, then select **Incoming**. A list of Incoming Calls appears in the display.
3. Select a call to view further information about it. The call information screen shows the caller's name (Contacts only), the number called received from, the time and date the call was received, and the duration of the call.



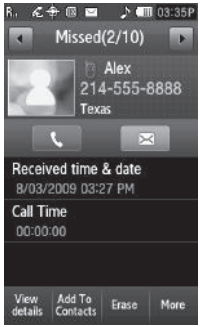
4. The call information screen offers the following options:
   - — Press to dial this number.
   - — Press to send a Text, Picture, or Video message to this number. (For more information, refer to *"Creating and Sending New Messages"* on page 49.)
   - To add the number to your Contacts list, press the **Add To Contacts** soft key.
   - Contacts only — To view Contact information for this call, press the **View details** soft key.
   - To delete the selected call from your Incoming calls log, press the **Erase** soft key.
   - To block / permit deletion of the selected call, press the **More** soft key, then select **Lock**.
   - To copy this number to the Dialer screen so that you can make changes (such as, to add Pauses) before reuse, press the **More** soft key, then select **Copy to dialer**.
5. To review another Incoming call, press the Left and Right arrow keys at the top of the screen.

Missed Calls

Your phone retains information about the last 90 missed calls (calls that were never picked up) and stores them in the Missed calls log. You can review the Missed calls log for the time and date of the call, as well as other information.

1. In Standby mode, press the **Menu** soft key, then select **Calls**. The Calls list appears in the display showing **All** calls.

2. Select the Down arrow in the upper right corner of the screen, then select **Missed**. A list of Missed Calls appears in the display.
3. Select a call to view further information about it. The call information screen shows the caller's name (Contacts only), the number called received from, the time and date the call was received, and the duration of the call.



4. The call information screen offers the following options:
   - — Press to dial this number.
   - — Press to send a Text, Picture, or Video message to this number. (For more information, refer to *"Creating and Sending New Messages"* on page 49.)
   - To add the number to your Contacts list, press the **Add To Contacts** soft key.
   - Contacts only — To view Contact information for this call, press the **View details** soft key.
   - To delete the selected call from your Missed calls log, press the **Erase** soft key.
   - To block / permit deletion of the selected call, press the **More** soft key, then select **Lock**.
   - To copy this number to the Dialer screen so that you can make changes (such as, to add Pauses) before reuse, press the **More** soft key, then select **Copy to dialer**.
5. To review another Incoming call, press the Left and Right arrow keys at the top of the screen.

All Calls

You can review all of the calls log entries (outgoing, incoming, and missed calls) for the time and date of a call, as well as other information.

1. In Standby mode, press the **Menu** soft key, then select **Calls**. The Calls list appears in the display showing **All** calls.
2. Select a call to view further information about it. The call information screen shows the caller's name (Contacts only), the number called (by), the time and date the call was made / received, and the duration of the call.
3. The call information screen offers the following options:
   - — Press to dial this number.
   - — Press to send a Text, Picture, or Video message to this number. (For more information, refer to *"Creating and Sending New Messages"* on page 49.)

- To add the number to your Contacts list, press the **Add To Contacts** soft key.
- Contacts only — To view Contact information for this call, press the **View details** soft key.
- To delete the selected call from your Calls log, press the **Erase** soft key.
- To block / permit deletion of the selected call, press the **More** soft key, then select **Lock**.
- To copy this number to the Dialer screen so that you can make changes (such as, to add Pauses) before reuse, press the **More** soft key, then select **Copy to dialer**.

4. To review another call, press the Left and Right arrow keys at the top of the screen.

Call Timer

View the duration of your last call, total calls, and calls made during the life cycle of you phone using the Call Timer feature.

Note: Call Timer is not for billing purposes.

1. In Standby mode, press the **Menu** soft key, then select **Calls**. The Calls list appears in the display showing **All** calls.
2. Press the **Call Timer** soft key.

   The following options appear in the display:

- **Last Call** — View the duration of your last call.
- **Outgoing Calls** — View the duration of the total outgoing calls made on your phone since all timers were last reset.
- **Incoming Calls** — View the duration of the total incoming calls received on your phone since all timers were last reset.
- **Roaming Calls** — View the total calls duration on your phone while roaming since all timers were last reset.
- **All Calls** — View the duration of the total call, incoming, outgoing, and data calls made on your phone since all timers were last reset.
- **Last Reset** — View the time and date all timers were last reset.
- **Lifetime Calls** — View the number and total duration of all calls since your phone was activated.

3. Press the **Reset** soft key to reset all counters except Lifetime Calls.

Note: Although Total Calls timers can be erased, the Lifetime Calls timer can never be erased.

Data Counter

View the amount of Transmit data, Receive data, and Total data transmitted or received since the last time you reset the data counters, and the Lifetime amount of data transmitted or received.

Note: Data Counter is not for billing purposes.

1. In Standby mode, press the **Menu** soft key, then select **Calls**. The Calls list appears in the display showing **All** calls.
2. Press the **Data Counter** soft key The following options appear in the display:
   - **Transmitted** — View the total amount of data transmitted by your phone since the last reset.
   - **Received** — View the total amount of data received by your phone since the last reset.
   - **Total** — View the total amount of data sent or received by your phone since the last reset.
   - **Last Reset** — View the time and date all timers were last reset.
   - **Lifetime Data Counter** — View the total amount of data sent or received by your phone since activation (Lifetime Data Counter cannot be reset).
3. Press the **Reset** soft key to reset all counters except Lifetime Data Counter.

Note: Although Total data counters can be erased, the Lifetime Data Counter can never be erased.

Roaming

What is Roaming?

Roaming lets you use your phone when you travel outside of your Wireless Provider's coverage area. The Roaming icon ( ) appears in the top line of the display when Roaming is active, and extra charges may apply when making or receiving calls.

Note: Some features may be unavailable while roaming. Roaming also consumes additional power from the battery requiring more frequent recharging. Contact your Wireless Provider for more information about Roaming.

How Roaming Works

Roam Option lets you set roaming preferences if you move in and out of your home network. The following roaming options are available:

- **Home Only** — Your phone is available for normal operation only in the 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 digital system is acquired.

Note: For more information, refer to *"System Select"* on page 120.

This section explains the menu navigation for your phone. It also describes the menus available with your phone.

Menu Navigation

Access menus using the **Menu** soft key, other soft keys, or icons on the Widget Bar or Shortcut Bar.



1. In Standby mode, press the **Menu** soft key. The **Main Menu** page (the first of three pages) appears in the display.
2. If needed, select either the **Main Menu**, the **easy**edge, or the **Settings and Multimedia** page by pressing and dragging the current page left or right to display each succeeding page.
3. Select icons or menu options to access a menu or sub-menu shown in the display.

Rearranging Main Menu Shortcut Icons



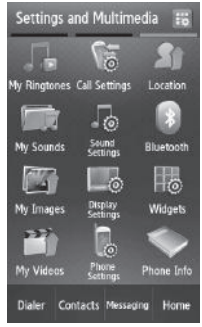
Pages **easy**edge and **Settings and Multimedia** of the Main Menu contain shortcut icons that launch particular features and functions of phone without drilling down through multiple layers of menus.

You can rearrange the icons on Pages **easy**edge and **Settings and Multimedia** to suit your needs and preferences.

1. In Standby mode, press the **Menu** soft key. The Main Menu appears in the display.
2. Select **easy**edge and **Settings and Multimedia** by pressing and dragging the current Main Menu page left or right to display the desired page.
3. Unlock the selected Main Menu page by pressing the Icon Lock button ( ) (upper right hand corner of the screen).

4. To reposition an icon on the page, press and drag the icon to its new position. All other icons to the right of, and below, this position automatically shift their own positions in sequence.
5. To save your change(s), press the **Save** soft key.

   To discard your change(s), press [ ].



Return to the Previous Menu

Press [ ] to return to the previous menu.

Using Widgets

Widgets are special icons that you can use to launch particular phone features and functions or to quickly access particular Internet addresses. You can initially access the widgets on your phone by displaying the Widget Bar.

Widget Bar

The Widget Bar is an easily accessed list of widgets that acts like a menu or storage bay for your widgets.

Widget Bar Shortcuts



1. In Standby mode, press the right arrow tab on the left edge of the display. The Widget Bar slides open to the right and lists icons for those Widgets selected in the **Widget** settings. (For more information, refer to *"Widget"* on page 107.)
2. Scroll through the Widget list by pressing and sliding within the Widget Bar until a desired Widget icon appears.
3. If needed, select one of the three Standby screen pages to receive the Widget icon by pressing and dragging the current Standby screen left or right to display each page.
4. Press, hold, and slide the Widget icon to the right until it is free of the Widget Bar. The icon now displays on the Standby screen and expands in size.

Note: You can position a Widget icon as needed by pressing, holding, and sliding it.

5. Select a Widget icon on the standby screen to launch its function.

Note: You can return a Widget icon to the Widget Bar simply by pressing, holding, and sliding the icon until it overlaps the Widget Bar.

6. Close the Widget Bar by pressing the left arrow tab.

Returning Widgets to the Widget Bar

1. In Standby mode, press the right arrow tab on the left edge of the display. The Widget Bar slides open to the right and lists icons for those Widgets selected in the **Widget** settings screen. (For more information, refer to *"Widget"* on page 107.)
2. To return a single Widget to the Widget bar:
   - If needed, select one of the three Main Menu pages by pressing and dragging the current Main Menu page left or right to display each page.
   - Press and drag the Widget icon back to the Widget bar.
3. To return all Widgets to the Widget bar, simply rock the handset back and forth until all Widget icons reappear in the Widget bar.

Using the Shortcuts Bar

The Shortcut Bar is an easily accessed list of icons that let you directly access key options on your phone.

- In Standby mode, press the icon bar at the top of the display. The Shortcut Bar opens downward and lists icons for the following menu options:
  - **Send Text Message** — Opens the **Text Msg** screen, letting you compose and send a Text Message. (For more information, refer to *"Creating and Sending a Text Message"* on page 49.)
  - **Memo Pad** — Opens the **Memo** screen listing any existing memos. (For more information, refer to *"Memo Pad"* on page 97.)
  - **Music Player** — Launches the Music Player. (For more information, refer to *"Music Player"* on page 79.)
  - **Bluetooth** — Opens the **Bluetooth** screen listing any registered Bluetooth devices. (For more information, refer to *"Bluetooth"* on page 92.)

The In-Use Options

Access numerous menus and features even while in a call.

Note: If the call is disconnected while accessing the In-Use Option, the In-Use Option disappears from the display and the phone eventually returns to Standby mode.

1. While in a call, press the Clear key ( ). The following menu items appear in the display:
   - **Speaker on** — Enables Speakerphone mode to share the call with others nearby.

- **Switch to headset** — Connects a Bluetooth device, such as a headset, in place of the phone's earpiece and microphone.
- **Mute** — Blocks sound going to the other party(ies) on the call.
- **Memo** — Create and save a memo.
- **Messages** — The **Messaging** menu appears in the display. (For more information, refer to *"Messaging"* on page 49)
- **End Call** — Tap to end the current call.
- **Dialer** — Allows you to dial another party, which the first call is put on hold.
- **Contacts** — The Contacts **Find** screen appears in the display.
- **Add To Contacts** — When the Contacts screen appears in the display, you can add a new Contact.
- **Send DTMF** — Send your phone number as tones (if you're the recipient of the call). Send the recipient's phone number as tones (if you're the originator of the call).

2. Press the  key to exit the menu.

Section 5: Understanding Your Contacts

This section explains how to manage your daily contacts by storing their name and number in your Contacts. Contacts entries can be sorted by name.

Your Contacts List

Your Contacts list can store up to 2000 entries, with each contact having up to five associated phone numbers, an Email address, and a picture ID.

Each phone number can be up to 32 digits in length, including hard pauses. Contact names can be up to 32 characters in length. You can also specify a memory location for each entry, and you can restrict access to the Contacts list to prevent unauthorized use.

Tip: One-Touch, Two-Touch, and Three-Touch Dialing allow you to call numbers stored in your Contacts list faster. (See page 19.)

Open Your Contacts List

1. In Standby mode, press the **Contacts** soft key. The Contacts screen appears in the display.

Note: In Standby mode, press the **Menu** soft key and select **Contacts**.

2. To find a Contact, select the Search field. The 3X4 Keypad screen appears in the display.
   - Enter the first few letters of the Contact's name. A list of Contacts with names matching the letters you entered appears below the Search field.
   - Select the desired Contact to display the Contacts list, then select again for the Contact details.

Adding a New Contacts Entry

You can add an entirely new entry to your Contacts list or add information to an existing entry.

Using the Contacts Add Option

1. In Standby mode, press the **Contacts** soft key. The Contacts screen appears in the display.

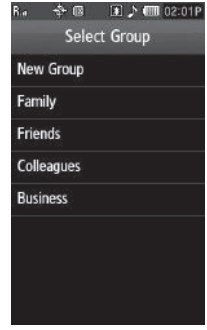
Note: In Standby mode, press the **Menu** soft key and select **Contacts**.

2. Press the **New Contact** soft key. The New Contact screen appears in the display.

3. Select the **Name** field. The 3X4 Keypad text entry screen appears in the display.
   - If desired, select another text entry screen. (For more information, refer to *"Changing Text Entry Screens"* on page 43.)
4. Enter a name or phrase to associate with the new Contact. (For more information, refer to *"Entering Text"* on page 43.)



5. Select a phone number field (**Mobile**, **Mobile 2**, **Home**, **Work**, or **Fax**) or the Email address (**Email**) field. The 3X4 Keypad text entry screen appears in the display.
   - If desired, select another text entry screen. (For more information, refer to *"Changing Text Entry Screens"* on page 43.)
6. Enter a number or address for the new Contact. (For more information, refer to *"Entering Text"* on page 43.)
7. If desired, assign the new Contact to a Group. This lets you send messages to and find this Contact and other related contacts. (For more information, refer to *"Group"* on page 37.)
   - Select the **General** field. The **Select Group** field appears in the display. The following groups are available:
     - **New group**
     - **Family**
     - **Friends**
     - **Colleague**
     - **Business**



   - Select the preferred group. A message pops-up confirming the group assignment for this Contact.
8. If desired, select a unique Ringtone or voice memo file to identify this new Contact. (For more information, refer to *"Ringer Type"* on page 112.)
9. If desired, enter an additional phone number (**Mobile 2**, **Home**, **Work**, or **Fax**) or Email address (**Email**) for the new Contacts entry.

10. If desired, select an identifying image selecting the photo ID field. You are given the option to take a photo or to use a current image. (For more information, refer to *"My Images"* on page 82.)
11. To save the new Contacts entry, press the **Save** soft key.

Saving a Number from a Call

Once you've finished a call, you can save the number of the caller to your Contacts list.

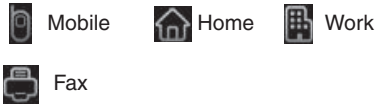
Note: If the call was incoming and Caller ID information was unavailable, then the **Save** option is also unavailable.

1. After you press to end your call, the call time, length of call, phone number, and name of the other party (if available) appear in the display.
2. Press the **Add to Contacts** soft key. The **Add To Contacts** screen appears in the display showing the following options:
   - **Add New Contacts** — Lets you create a new Contacts entry.
   - **Update existing** — Lets you add the number or Email address you just entered to an existing Contacts entry.

Tip: You can also store a phone number from Standby mode by entering the number, and pressing the **Save** soft key.

Creating a new Contacts entry:

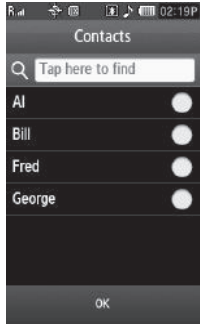
3. Select **Add New Contacts**. The New Contact screen appears in the display with the number you're saving populating the **Mobile** field.
4. To save the number as other than the first Mobile number, press the Number Type Change button ( ) The following (number type) icons appear in the display:



5. Select the number type that matches your new entry. The New Contact screen appears in the display with the number being save populating the selected number type field. (For more information on creating a new Contacts entry, see *"Using the Contacts Add Option"* on page 32.)

Adding the number to an existing Contacts entry:

6. Select **Update existing**. The **Contacts** screen appears in the display showing your current Contacts list.
7. Select the Search field and enter the first few characters of the Contacts entry name under which you will store the saved number. (For more information on finding a Contacts entry, see *"Using the Contacts Add Option"* on page 32.)



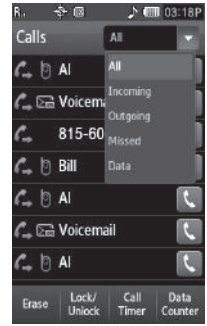
8. Select the desired Contacts entry. The following (number type) icons appear in the **Update existing** screen:

Mobile Home Work Fax

9. Select the appropriate unassigned number type. The Contact screen appears in the display.
10. Make any added changes you wish to the Contacts entry. (For more information, refer to *"Editing an Existing Contact Entry"* on page 37.)
11. To save the Contacts entry, press the **Save** soft key.

Storing Number from a Calls Log

You can store numbers from the Calls logs to your Contacts.



1. In Standby mode, press the **Menu** soft key, then select **Calls**. The Calls list appears in the display showing **All** calls.
2. Select the Down arrow in the upper right corner of the screen. The following Calls log options appear in a drop-down menu:
   - **All**
   - **Incoming**
   - **Outgoing**
   - **Missed**
   - **Data**
3. Select the Calls log that you wish to review.

4. Select the number you wish to store in your Contacts list. The associated Call Information screen appears in the display.
5. Press the **Add To Contacts** soft key. The **Add To Contacts** screen appears in the display showing the following options:
   - **Add New Contacts** — Lets you create a new Contacts entry.
   - **Update Existing** — Lets you add the selected number to an existing Contacts entry.

   For more information on saving the number, see *"Saving a Number from a Call"* on page 34.

Finding a Contacts Entry

Voice Method

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

Note: The **Contacts** command shows the requested contact information in the display but does not dial any phone numbers for the contact.

To look up information for a specific contact:

1. In Standby mode, press the Voice Recognition key ( ).

   "**Say a Command**" appears in the display and is pronounced through the speaker.
2. Say "**Look up**".

   VoiceSignal prompts you to "**Say the name**."
3. Speak clearly and say the full name of the person you want to call, exactly as it is entered in your contact list.

   If VoiceSignal does not recognize the name you said, a choice list of up to three names appears in the display, and VoiceSignal prompts you with "**Did you say look up**" followed by the first name on the list.
4. 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 *"Confirmation"* on page 89.)
   - To say the name again, press the **Yes** soft key in the **"Try again?"** screen.
   - To exit VoiceSignal without dialing, press .
5. The contact information for the name you selected appears in the display.

Keypad Methods

Find by Name

If you have stored a named contact in your Contacts list, Find lets you locate the entry quickly.

1. In Standby mode, press the **Menu** soft key and select **Contacts**. The **Contacts** screen appears in the display with an alphabetical list of Contacts showing.
2. Select the Search field and enter the first few characters of the name of the contact as it appears in your Contacts list.

Example: If you saved a contact name as "Amy Smith", begin your search for that contact by pressing 2 ABC for "A".

Note: As you enter letters, the entry names of the closest matches (thus far) appear in the display.

3. When the desired Contacts entry is listed in the display, select it. Then, do one of the following
   - To dial the number associated with the named Contact, tap the entry, then select » ➔ **Voice Calls**.
   - To change the information about the contact, press the **Edit** soft key.

Group

This option lets you find a Contacts list entry with a specific Group name.

1. In Standby mode, press the **Menu** soft key and select **Contacts**. The **Contacts** screen appears in the display with an alphabetical list of Contacts showing.
2. Press the Down arrow button at the top right corner of the screen. The **Groups** screen appears in the display.
3. Select the group you wish to browse. The selected Group list appears in the display.
4. Highlight the desired Contacts entry, then do one of the following:
   - To delete the selected contact from the Group, press the **Remove member** soft key. (Does not apply to the General group.)
   - To add an existing contact entry to the selected Group, press the **Add member** soft key.
   - To change the name of the Group, press the **Rename** soft key.
   - To delete the Group, press the **Erase** soft key.
5. Select the desired option to enter that option's sub-menu.

Editing an Existing Contact Entry

Once stored in the Contacts, an entry can be changed quite easily.

1. Find the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Press the **Edit** soft key. The **Edit Contact** screen appears in the display with the contact name highlighted.
3. Highlight a number stored in this contact entry.
4. To backspace and delete numbers, press .

5. To clear all numbers in the highlighted field, press and hold .
6. When you're finished editing the entry, press the **Done** soft key, then press the **Save** soft key.

Adding Pauses to Contacts Numbers

When you call automated systems (like banking services), you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses.

- **Wait** — A hard pause stops the calling sequence until further input from you.
- **2-Sec Pause** — A two-second pause stops the calling sequence for two seconds and then automatically sends the remaining digits.

Tip: You can enter multiple two-second pauses to extend the length of a pause. For example, two consecutive two-second pauses cause a total pause time of four seconds.

Note: Keep in mind that pauses count as digits towards the 32-digit maximum.

Store Pauses in a New Contacts Entry

1. In Standby mode, tap **Dialer** and enter the number you wish to store (such as your bank's teleservice number).
2. Press the **Add Pause** soft key.

   The following menu options appear in the display:
   - **Wait** — a hard pause (awaits input from you).
   - **2-Sec Pause** — a two-second pause.
3. Select the pause option of your choice to enter the highlighted pause into your number sequence.
4. Press the **Add To Contacts** soft key. The **Add To Contacts** screen appears in the display showing the following options:
   - **Add New Contacts** — Lets you create a new Contacts entry.
   - **Update Existing** — Lets you add the selected number to an existing Contacts entry.

   For more information on saving the number, see *"Saving a Number from a Call"* on page 34.

Add Pauses to an Existing Contacts Entry

1. Find the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Tap the **Edit** soft key. The **Edit Contact** screen appears in the display with the contact name highlighted.
3. Highlight a number stored in this contact entry.
4. Press the **Add Pause** soft key. The following menu options appear in the display:

- **Wait** — a hard pause (awaits input from you).
- **2-Sec Pause** — a two-second pause.

5. Select the pause option of your choice to enter the highlighted pause into your number sequence.
6. When you're finished entering pauses, tap **Done** ➔ **Save** to save your changes to the number in your Contacts list.

Add a Number or Email Address to an Existing Entry

1. Find the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Tap the **Edit** soft key. The **Edit Contact** screen appears in the display with the contact name highlighted.
3. Highlight a number field or the **Email** field in this Contacts entry.
4. Enter the phone number or Email address for the new Contacts entry.
5. Tap **Done** to add the number or Email address to the existing entry.

Edit an Existing Email Address

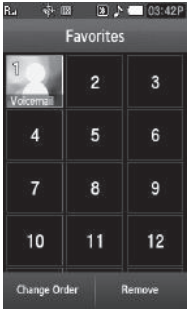
1. Find the desired entry in the **Contacts** list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Tap the **Edit** soft key. The **Edit Contact** screen appears in the display with the contact name highlighted.
3. Highlight the **Email** field (labeled with the @ symbol).
4. Use the keypad to edit the Email address. (For more information, refer to *"Entering Text"* on page 43.)
   - To insert the @ symbol, tap the **1** key or tap **Symbols** and select the @ from the options.
     - Enter the remainder of the Email address using the keypad. (For more information, refer to *"Entering Text"* on page 43)
   - To add the domain type to the end of the Email address, do the following:
     - Tap the **Shortcuts** soft key. A pop-up menu appears in the display.
     - Select the desired domain type (such as, .com, .net, .org .gov) to add to the Email address.
5. Tap **Done** ➔ **Save** to save your changes.

Speed Dial Numbers

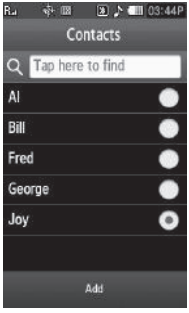
You can assign and change Speed Dial numbers for Contacts entries.

Assigning a Speed Dial Number

1. In Standby mode, tap the **Dialer** soft key, then tap the Favorites button ( ). The **Favorites** list appears in the display.



2. Select a Speed Dial number. The **Contacts** screen appears in the display.
3. Find and select a Contact entry. (For more information, refer to *"Finding a Contacts Entry"* on page 36.) A dot appears in the selected Contact's check circle.



4. Tap the **Add** soft key. You are returned to the **Favorites** screen with the newly assigned Contact showing.



Changing Speed Dial Numbers

Use this option to change a speed dial number in your Contacts list.

1. In Standby mode, tap the **Dialer** soft key and tap . The **Favorites** screen appears.
2. Tap **Change Order** and drag the Contact to the desired speed dial number.

Removing Speed Dial Numbers

Use this option to remove a speed dial number in your Contacts list.

1. In Standby mode, press the **Dialer** soft key and tap . The **Favorites** screen appears.
2. Tap **Remove**, then tap the Contact Remove button ( ), then tap **Remove** again.



Renaming a Contacts Group

Use this option to rename a Group in your Contacts list.

1. In Standby mode, press the **Menu** soft key and select **Contacts**. The **Contacts** screen appears in the display with an alphabetical list of Contacts showing.
2. Press the Down arrow button at the top right corner of the screen. The **Groups** screen appears in the display.
   - **General**
   - **Family**
   - **Friends**
   - **Colleague**
   - **Business**
3. Press the **Rename** soft key.
4. Select the Group (other than No Group) that you want to rename, then press the **Rename** soft key.
5. The **Rename Group** text entry screen appears in the display. The current name of the selected Group populates the text field.
6. Enter a new Group name using the keypad. (For more information, refer to *"Entering Text"* on page 43.)
7. Press the **Save** soft key to save the changed group name.

Deleting a Contacts Entry

1. Find the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)

2. Tap the **Erase** soft key.
3. Do one of the following:
   - From the list of Contacts, tap **Erase**, then tap the erase icon to the right of the contact you wish to delete, then tap **Erase** again.
   - From a specific Contact, tap **Erase**. The phone prompts you to confirm the deletion.

Sending a Contacts Entry

Use the Send Name Card option to send one or more selected Contacts entries to another, compatible phone or other device over a Bluetooth connection.

1. Find and highlight the desired entry in the Contacts list. (For more information, refer to *"Finding a Contacts Entry"* on page 36.)
2. Tap the **Send Name Card** soft key. The **Select to send** screen appears in the display.
3. Select a **Contact** and press the **Send** soft key. A list of Bluetooth-trusted devices appear in the display, showing only devices that can receive a name card.
4. Select the receiving device by pressing and dragging it onto the Bluetooth search icon in the center of the display. When you have finished, the receiving device prompts you to connect to the sending device.
5. Tap **Yes**. Your phone automatically connects with the other device and sends the selected Contact entries.

Note: For information on turning off the Bluetooth connection, see *"Bluetooth"* on page 92.

Memory Status

Use the Memory sub-menu to view the amount of Contacts entries you have stored, as well as the remaining memory.

1. In Standby mode, press the **Menu** soft key and select **Contacts**. The **Contacts** screen appears in the display.
2. Press the **More** soft key, then select **Memory status**. The amounts of memory used and remaining for Contacts entries appear in the display.

This section details how to select the type of text entry screen (phone-style touch keypad, QWERTY touch keypad, or divided or full-screen handwriting recognition panel). This section also describes how to select the desired text entry mode when using the phone-style touch keypad or the QWERTY keyboard-style touch keypad.

Changing Text Entry Screens

Phone-Style (3X4) Touch Keypad

This is the default text entry screen for most features and functions that require you to enter text, numbers, and/or characters (such as punctuation and polarity signs.)

You can change your settings in any screen where you enter text, and you can also access the settings by selecting **Menu → Messaging → Message Settings → Keypad / Entry Mode**.



Built-in QWERTY Keypad



Your device also has a keyboard-style touch keypad, commonly called QWERTY, that you can access by doing the following:

1. From the Phone Touch Keypad screen or from either of the Handwriting Recognition screens, press the down arrow button ( ) (at the upper right corner of the screen). The following options appear in the display:
   - **3X4 Keypad** — Displays the phone-style touch keypad.
   - **QWERTY** — Displays the keyboard-style touch keypad, in landscape mode.
   - **Handwriting box** — Displays the divided text entry screen with the handwritten text entry field at the bottom. Recognized text appears in the upper field.

- **Handwriting full screen** — Displays the full-screen handwritten text entry field. Both handwritten text and the recognized text appear in the same field.

2. Select **QWERTY**. The keyboard-style touch keypad appears and the display automatically rotates to show information in a wider, landscape format.

Using the QWERTY keypad, you can type letters, numbers, punctuation, and other special characters into text entry fields or other applications simpler and faster than using the phone-style keypad.

Note: Your phone's Browser function requires you to use the QWERTY keypad. Other functions requiring text entry (such as, Messaging and Memo Pad) accept text entry from whichever keypad you prefer.

Changing Text Entry Screen Using QWERTY Keypad

▶ From the QWERTY touch keypad, change to another text entry screen by pressing one of the following keys:

3X4 Keypad — 4X3 (phone-style) touch keypad

Handwriting box — Divided handwriting recognition screen

Handwriting Recognition Screens

Your device also can recognize print handwriting. Just print your text, and your device translates it to text in a screen font.

Accessing the Divided Handwriting Recognition Screen



The divided Handwriting Recognition screen offers separate message text (upper) and dedicated handwriting (lower) fields.

1. From the Phone Touch Keypad screen or from the full-screen Handwriting Recognition screen, press the down arrow button ( ) (at the upper right corner of the screen), then select the first **Handwriting box** option.
2. From the QWERTY Touch Keypad screen, press .

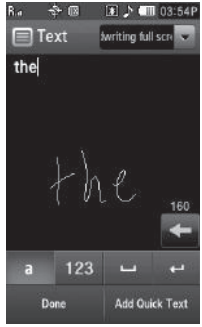
Accessing the Full-Screen Handwriting Recognition Screen

The full-screen Handwriting Recognition screen offers an integrated message text and handwriting input field.

▶ From the Phone Touch Keypad screen or from the full-screen Handwriting Recognition screen, press the down arrow button ( ) (at the upper right corner of the screen), then select the first **Handwriting full screen** option.

Entering Text Using Handwriting Recognition Screens

1. Using a stylus, print your text in the handwriting entry field. The phone replaces your handwriting with printed text.
2. To enter letters, press a then print words.
3. To enter numbers and symbols, press 123 then print numbers and/or symbols.
4. To enter a space, press ␣.
5. To move to a new line, press ↵.
6. To delete text, press ←.
7. When you are finished writing your text, press the **Done** soft key to save your writing.
8. To correct any handwriting recognition errors, press the down arrow (at the upper right corner of the screen), then select **3X4 Keypad** or **QWERTY**.



Changing the Text Entry Mode

Text messages can be made up of alphabetical characters, numbers, and symbols. You can use the following text entry modes to simplify text entry:

- **Abc** — Enter letters, numbers, and symbols by repeatedly pressing each phone key until the desired character (as shown on the key) appears in the display or by using the QWERTY keypad. ABC mode letter options are:
  - **Abc** — Enter initial capital letters (indicated by 2 Abc on keys).
  - **ABC** — Enter all upper case letters (indicated by 2 ABC or W on keys).
  - **abc** — Enter all lower case letters (indicated by 2 abc or w on keys).

Note: T9 Word does not support the QWERTY keypad or Handwriting Recognition screens, which do not need this function.

- **T9 Word** — Press each phone key only once to enter the letter of the word that you're spelling. T9 WORD mode letter options are:
  - **T9 Word** — Enter initial capital letters (indicated by 2 Abc on keys).
  - **T9 WORD** — Enter all upper case letters (indicated by 2 ABC on keys).
  - **T9 word** — Enter all lower case letters (indicated by 2 abc on keys).
- **123** — Enter numbers by pressing the corresponding keys on the phone keypad or the QWERTY keypad (indicated by 2 or 2 on keys).

Tip: Using the QWERTY keypad or the Handwriting Recognition screens, also use **123** mode to enter numbers and symbols into your message simply by pressing the keys labeled with the symbols you want.

- **Symbols** — Using the phone keypad, enter a symbol into your message by pressing the key labeled with the desired symbol (indicated by @ or ! on keys).

The current text entry mode (**T9 Word**, **abc**, **Abc**, **ABC**, **123**, or **Symbols**) is indicated on the touch keys. To change the text entry mode, do the following:

Changing 3X4 Keypad Text Entry Mode

1. While composing a text message or memo, press the **Entry Mode** soft key.

   The following options appear in the display:

   - **Abc**
   - **abc**
   - **ABC**
   - **T9Word**
   - **T9word**
   - **T9WORD**
   - **123**
2. Select the desired text entry mode.
3. To change to Symbols mode, press the **Symbols** soft key.

Changing QWERTY Keypad Text Entry Mode

- While composing a text message or memo, to change text entry mode:
  - To select **abc** mode, press Abc.
    - To toggle between **abc** and **ABC** modes, press Caps.
  - To select **123-Symbols** mode, press Sym or 123.
    - To select additional **Symbols** mode, press SYM.

Changing Handwriting Recognition Screen Text Entry Mode

- While composing a text message or memo, to change text entry mode:
  - To select **Abc** mode, press a.
  - To select **123** mode, press 123.

Using T9® Mode (Phone Keypad Only)

T9 Word recognizes commonly used words for the numeric sequence of key presses and inserts the word into your message. T9 Word is much faster than the traditional method of text entry (**Abc**) and *requires only one key press per letter* of the word that you're spelling.

1. While composing a text message, press the Entry Mode soft key, then select **T9Word**.

- For practice, enter the word “Samsung” by pressing each of the following keys *only once*:



T9 Word recognizes that the most commonly used word for the numeric sequence you just entered is “Samsung.”
If more than one word shares the same numeric sequence, T9 Word provides the most commonly used word.

Note: To enter a space, press # ␣. To enter a period, press 1 .@. These key functions apply to both **T9 Word** and **Abc** modes. For other symbols, see *“Entering Symbols”* on page 47

Using Abc Mode

1. While composing a text message, do one of the following:
   - Using the phone keypad, press the **Entry Mode** soft key, then select **Abc**.
   - Using the QWERTY keypad, press abc.
   - Using either Handwriting recognition screen, press a.
2. Enter letters while in **Abc** mode by using one of following:
   - Using the phone keypad:
     – Press the key repeatedly until the desired letter appears in the display (such as, press 4 Ghi once for “G” and twice for “H”).
     – Pause briefly and the displayed letter is accepted and inserted into your message.
     – Press # ␣ to enter a space and press 1 .@. to enter a period.
   - Using the QWERTY keypad, press the key labeled with the desired letter (such as, press G for “G” and H for “H”).
   - Using either Handwriting recognition screen, use a stylus to print the desired letters.

Entering Numbers

Enter numbers into a text message while in **123** mode.

1. While composing a text message, do one of the following:
   - Using the phone keypad, press the **Entry Mode** soft key, then select **123**.
   - Using the QWERTY keypad, press 123 Sym or 123.
   - Using either Handwriting recognition screen, press 123.
2. Enter numbers while in **123** mode by using one of the following:
   - Using the phone keypad or the QWERTY keypad, press the keys labeled with the desired numbers.
   - Using either Handwriting recognition screen, use a stylus to print the desired numbers.

Entering Symbols

Enter symbols (such as “@” or “%”) into a text message while in **Symbols** mode.

▶ While composing a text message, enter symbols by using one of following keypads:

- Using the phone keypad:
  - Press the **Symbols** soft key. The first of four symbol screens appears in the display.
  - Use the **Prev** and **Next** soft keys to page through the other symbols, if desired.
  - Press the key labeled with the symbol that you wish to enter.
  - Repeat these steps to insert additional symbols into your message.
- Using the QWERTY keypad:
  - Press 123 Sym or Sym .
  - Press the key(s) labeled with the corresponding symbol(s) that you wish to insert into your message.
- Using either Handwriting recognition screen:
  - Press 123 .
  - Use a stylus to print the desired numbers.

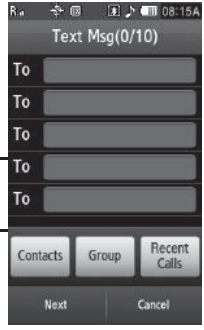
This section explains how to create, send, receive, and view different types of messages. This section also describes the features and functionality associated with messaging.

Creating and Sending New Messages

This section guides you through procedures for creating and sending text and picture messages.

Creating and Sending a Text Message

1. In Standby mode, press the **Messaging** soft key, then select **Send Message → Text Message**. The **Text Msg** screen appears in the display showing the **To** list.



Tip: You can also access Messaging by pressing the **Menu** soft key and selecting **Messaging**.

2. Add the destination address for your message by selecting contacts and/or entering number(s) or Email address(es) of message recipient(s):

- To select a mobile number or Email address using your Contacts list, press the **Contacts** soft key. The **Contacts** screen appears in the display. For more information, refer to *"Finding a Contacts Entry"* on page 36.

  Select a Contact entry. A check mark appears in the entry's check box. To add the selected Contact to the **To** list, press the **Add** soft key. The **Text Msg** screen appears in the display showing the populated **To** list.
- To enter recipient phone number(s) or Email address(es), select an empty **To** field. The phone-style touch keypad screen appears in the display in 123 mode.
  - To enter a phone number, press the appropriate keys in the proper sequence, then press the **Done** soft key. You are returned to the **To** list.
  - To enter an Email address, change the text entry mode from **123** to **abc** and enter the address. (For more information, refer to *"Entering Text"* on page 43.) To add a domain to the address (such as .net or .com) press the **Shortcuts** soft key. When the address is complete, press the **Done** soft key. You are returned to the **To** list.
- To select members of a Contacts Group as recipients, press the **Group** soft key. The **Groups** screen appears in the display.
  - Select the desired Group. The selected Group List screen appears in the display.
  - Select individual Contacts or select **Select All**. Check marks appear in the check boxes for the selected Contacts.
  - Press the **Add** soft key. You are returned to the **To** list.

- To select a phone number from a Recent Call as a recipient, press the **Recent Calls** soft key. The **Calls** screen appears in the display.
  - If desired, press the down arrow key in the upper right corner of the screen, then select **All**, **Incoming**, **Outgoing**, or **Missed** calls.
  - Select individual calls or select **Select All**. Check marks appear in the check boxes for the selected calls.
  - Press the **Add** soft key. You are returned to the **To** list.

3. When you are finished addressing your message, press the **Next** soft key. The phone-style touch keypad screen appears in the display in Abc mode.



Note: You can use any of the device's four text entry screens to enter your message text. (For more information, refer to *"Changing Text Entry Screens"* on page 43.)

4. Enter the text for your message. (For more information, refer to *"Entering Text"* on page 43.)
   - To use pre-composed text, press the **Add Quick Text** soft key.
5. Before sending your text message, you can set message send options by pressing the **More** soft key and select **Sending Options**. (For more information, refer to *"Message Sending Options"* on page 54.)
6. To send your finished message, press the **Send** soft key.

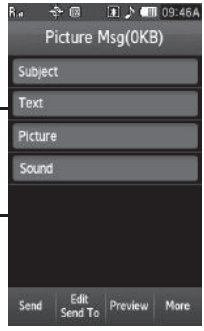
Creating and Sending a Picture Message

1. In Standby mode, press the **Messaging** soft key, then select **Send Message** → **Picture Message**. The **Picture Msg** screen appears in the display showing the **To** list.

Tip: You can also access Messaging by pressing the **Menu** soft key and selecting **Messaging**.

2. Address your message as you would a Text message (see *"Creating and Sending a Text Message"* on page 49), with one addition:
   - To send this message to your Online Album, press the **Online Album** soft key. You are returned to the **To** list.
3. When you are finished addressing your message, press the **Next** soft key. The **Picture Msg** fields screen appears in the display.

4. If desired, select the **Subject** field. The phone-style touch keypad screen appears in the display in Abc mode.



Note: You can use any of the device's four text entry screens to enter your message text. (For more information, refer to *"Changing Text Entry Screens"* on page 43.)

5. Enter the Subject text. (For more information, refer to *"Entering Text"* on page 43.)
   - To use pre-composed text, press the **Add Quick Text** soft key.
6. If desired, repeat steps 4 and 5 for the **Text** field.
7. To add a picture to the message, select the **Picture** field. You are prompted to Take a Photo or to add a photo from the My Images folder.
   - To activate the phone's camera and take a new picture, select **Take Photo**. (For more information, refer to *"Camera-Camcorder"* on page 63.) Once you've take a photo, press the **Send** soft key.
   - To access your photo gallery, select **My Images**. With pictures in the gallery, a list of thumbnail images appears in the display. Select the desired photo and press the **Send** soft key.

   You are returned to the **Picture Msg** screen which is populated with the selected photo in the **Picture** field.
8. If desired, you can add a sound file to accompany the picture by selecting the **Sound** field. The **My Sounds** screen appears in the display listing available sound files.
   - To add an existing sound file, select the preferred file and press the **Send** soft key.
   - To create a new sound file, press the **Record New** soft key. (For more information, refer to *"Voice Memo"* on page 86.)

   You are returned to the **Picture Msg** screen which is populated with the selected sound file in the **Sound** field.
9. Before sending your Picture message, you can set message send options by pressing the **More** soft key and select **Sending Options**. (For more information, refer to *"Message Sending Options"* on page 54.)
10. To preview your Picture message as the recipient(s) will see it, press the **Preview** soft key.
    - To make changes to your message, press the **Back** soft key.
11. To send your finished message, press the **Send** soft key.

Send Picture Messages in Camera Mode

Picture messages can be sent from your phone's camera to recipients with compatible phones or devices. You can even accompany a picture with a voice memo or preloaded sound file.

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

1. In Standby mode, press and hold the Camera key ( ). The camera viewfinder screen appears in the display.
2. 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.

Note: For more information about using the camera feature in your phone, see *"Camera-Camcorder"* on page 63.

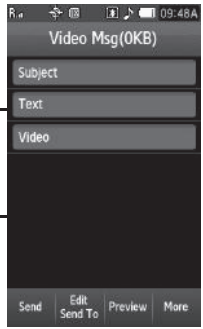
3. Press the **Send** soft key. If necessary, the device resizes your picture for sending, then the **Picture Msg** screen appears in the display showing the **To** list.
4. Address your message as you would a Text message (see *"Creating and Sending a Text Message"* on page 49), with one addition:
   - To send this message to your Online Album, press the **Online Album** soft key. You are returned to the **To** list.
5. When you are finished addressing your message, press the **Next** soft key. The **Picture Msg** fields screen appears in the display with your new picture populating the **Picture** field.
6. To complete and send your message, refer to steps 4 – 11 of *"Creating and Sending a Picture Message"* on page 50.

Creating and Sending a Video Message

1. In Standby mode, press the **Messaging** soft key, then select **Send Message** → **Video Message**. The **Video Msg** screen appears in the display showing the **To** list.

Tip: You can also access Messaging by pressing the **Menu** soft key and selecting **Messaging**.

2. Address your message as you would a Text message (see *"Creating and Sending a Text Message"* on page 49), with one addition:
   - To send this message to your Online Album, press the **Online Album** soft key. You are returned to the **To** list.
3. If desired, select the **Subject** field. The phone-style touch keypad screen appears in the display in Abc mode.



Note: You can use any of the device's four text entry screens to enter your message text. (For more information, refer to *"Changing Text Entry Screens"* on page 43.)

4. Enter the Subject text. (For more information, refer to *"Entering Text"* on page 43.)

- To use pre-composed text, press the **Add Quick Text** soft key.

5. If desired, repeat steps 3 and 4 for the **Text** field.
6. To add a video clip to the message, select the **Video** field. You are prompted to Take a Video or to add a video clip from the My Videos folder.
   - To activate the phone's camcorder and record a new video clip, select **Take Video**. (For more information, refer to *"Camera-Camcorder"* on page 63.) Once you've recorded a video clip, press the **Send** soft key.
   - To access your photo gallery, select **My Videos**. With video clips in the gallery, a list of thumbnail images appears in the display. Select the desired video clip and press the **Send** soft key.

   You are returned to the **Video Msg** screen which is populated with the selected video clip in the **Video** field.
7. Before sending your Video message, you can set message send options by pressing the **More** soft key and select **Sending Options**. (For more information, refer to *"Message Sending Options"* on page 54.)
8. To preview your Video message as the recipient(s) will see it, press the **Preview** soft key.
   - To make changes to your message, press the **Back** soft key.
9. To send your finished message, press the **Send** soft key.

Send Video Messages in Camcorder Mode

Video messages can be sent from your phone's camcorder to recipients with compatible phones or devices.

Tip: You can send a Video message to up to ten recipients. Enter each recipient's address or phone number in a separate **To** field of the **Video Msg** screen.

1. In Standby mode, press the Camera key ( ). The camera viewfinder screen appears in the display.
2. Press the **Mode** soft key. The camcorder viewfinder screen appears in the display.
3. Press the **Recording Mode** soft key. Select the **Video Msg** option.

Note: For more information about setting camcorder options in your phone, see *"Camcorder Options"* on page 73.

4. Using the display as a viewfinder, when the image that you wish to send appears in the display, press the Camera key ( ) to record a video. The time counter at the bottom of the Camcorder viewfinder screen indicates recording time in seconds.
5. To end your video clip, press **Stop** ( ).

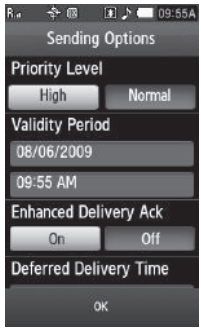
Note: For more information about using the camcorder feature in your phone, see *"Camera-Camcorder"* on page 63.

6. Press the **Send** soft key. If necessary, the device resizes your picture for sending, then the **Video Msg** screen appears in the display showing the **To** list.
7. Address your message as you would a Text message (see *"Creating and Sending a Text Message"* on page 49), with one addition:
   - To send this message to your Online Album, press the **Online Album** soft key. You are returned to the **To** list.
8. When you are finished addressing your message, press the **Next** soft key. The **Video Msg** fields screen appears in the display with your new picture populating the **Video** field.
9. To complete and send your message, refer to steps 3 – 9 of *"Creating and Sending a Video Message"* on page 52.

Message Sending Options

You can set priority, validity, and other options before you send a message. Which options appear in the Sending Options list depends on what type of message you have composed and what message field you have highlighted.

1. After you've composed a Text, Picture, or Video message, press the **More** soft key and select **Sending Options**. The following options appear in the display:
   - **Priority Level** — Lets you assign a **High**, **Normal**, or **Low** (pic/video messages only) priority to the message.
   - **Validity Period** — Lets you select a **Date** and **Time** when this message will no longer be available to the recipient. When your selected date and time pass, your message is recalled.
   - **Enhanced Delivery Ack** / **Delivery Ack** — Set to **On** to be alerted when your message is received by the addressee.
   - **Deferred Delivery Time** — Lets you set a **Date** and **Time** when this message will be delivered.



2. Select any desired options and values for those options.
3. To save your settings, press the **OK** soft key. You're returned to the message creation screen.

Receiving New Messages

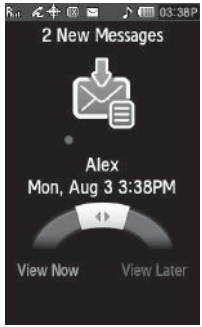
When you receive a message in Standby mode, one of the following occurs:

- **If Auto View and Auto Scroll are both set to On** — An alert sounds (unless turned off) and the message text automatically appears in the

display and scrolls slowly to the end of the message. (For more information, refer to *"Message Settings"* on page 58.)

- **If Auto View is set to Off** — An alert sounds (unless turned off) and a **New Message** notification appears in the display along with the closed envelope icon ( ). The date and time of the message and the following options also appear in the display:
  - **View Now** — Opens the message where you have the option to Reply, Forward, Erase, Add To Contacts, Lock/Unlock, or Save Quick Text, Message Info.
  - **View Later** — Closes the popup and saves the message to your inbox where you can view it later.

  Select the desired option.



Receive Messages While in a Call

When you receive a message while in a call, one of the following occurs:

- **If Auto View and Auto Scroll are both set to On** — The message text automatically appears in the display and scrolls slowly to the end of the message. (For more information, refer to *"Message Settings"* on page 58.)
- A **New Message** notification appears in the display along with the closed envelope icon ( ). The date and time of the message and the following options also appear in the display:
  - **View Now** — Opens the message where you have the option to Reply, Forward, Erase, Add To Contacts, Lock/Unlock, or Save Quick Text, Message Info.
  - **View Later** — Closes the popup and saves the message to your inbox where you can view it later.

  Select the desired option.

Voicemail

Voicemail allows callers to leave voice messages in your voice mailbox, and lets you review, play, and delete your voice messages any time you are in your Carrier's network coverage area.

Voice Mail Setup

Before callers can leave voice mail messages, you must first set up your account. For more information, refer to *"Setting Up Your Voicemail"* on page 7 and to *"Message Settings"* on page 58.

Checking your Voicemail

1. In Standby mode, change to Dialer mode, then press and hold 1 until you're connected to your Wireless

Carrier's voicemail system. A recorded message prompts you for a password.

2. Enter your password, then follow the recorded prompts, to listen to your voice message(s), change administrative options, and so on.

Tip: You can also access your voice mail by selecting an entry in the Voicemail folder.

Message Folders

Inbox

Received messages of all types (except Voicemail) are stored in the Inbox.

1. In Standby mode, press the **Messaging** soft key, then select **Inbox**, to open the Inbox folder.
2. To delete one or more messages, press the **Erase** soft key, select the message(s) to be deleted, then press the **Erase** soft key again.
3. To view a message, select it, then do one of the following
   - To compose and send a message to the sender of the message, press the **Reply** soft key, then select the type of message you wish to compose: Text, Picture, or Video.
   - To forward the message to other recipients, press the **Forward** soft key.
   - To delete this message, press the **Erase** soft key. You are prompted to verify the erasure. To erase this message, press the **Yes** button.
   - To access other options, press the **More** soft key. The following options appear in the display:
     - **Add To Contacts** — Lets you add the sender's number or Email address to your Contacts list.
     - **Lock** / **Unlock** — Blocks or allows erasure of the message.
     - **Save Quick Text** — Saves the message text as a Quick Text entry.
     - **Message Info** — Lets you display status information about a message.

     Select an option to perform the function for that option.

Messages and Lock Mode

Your phone can still receive messages while in Lock Mode. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code. (For more information, refer to *"Lock Phone"* on page 117.)

Outbox

Your phone stores outgoing messages in the Outbox, regardless of whether the message was successfully sent to, or received by, the addressee.

Tip: Verify whether and when a message or Email was successfully received by enabling the **Delivery Ack** message send option. (For more information, refer to *"Send Picture Messages in Camera Mode"* on page 51.)

1. In Standby mode, press the **Messaging** soft key, then select **Outbox**. A list of your outgoing messages appears in the display.
2. To delete one or more messages, press the **Erase** soft key, select the message(s) to be deleted, then press the **Erase** soft key again.
3. To view a message, select it, then do one of the following
   - To resend a message to the original recipient(s), press the **Resend** soft key.
   - To forward the message to other recipients, press the **Forward** soft key.
   - To delete this message, press the **Erase** soft key. You are prompted to verify the erasure. To erase this message, press the **Yes** button.
   - To access other options, press the **More** soft key. The following options appear in the display:
     - **Add To Contacts** — Lets you add the sender's number or Email address to your Contacts list.
     - **Lock** / **Unlock** — Blocks or allows erasure of the message.
     - **Save Quick Text** — Saves the message text as a Quick Text entry.
     - **Message Info** — Lets you display status information about a message.

     Select an option to perform the function for that option.

Drafts Folder

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.

1. In Standby mode, press the **Messaging** soft key, then select **Drafts**. A list of your draft messages appears in the display.
2. To delete one or more messages, press the **Erase** soft key, select the message(s) to be deleted, then press the **Erase** soft key again.
3. To view a message, select it, then do one of the following
   - To send a message to the original recipient(s), press the **Send** soft key.
   - To change the message and/or the recipients, press the **Edit** soft key.
   - To delete this message, press the **Erase** soft key. You are prompted to verify the erasure. To erase this message, press the **Yes** button.
   - To access other options, press the **More** soft key. The following options appear in the display:
     - **Add To Contacts** — Lets you add the sender's number or Email address to your Contacts list.
     - **Lock** / **Unlock** — Blocks or allows erasure of the message.
     - **Save Quick Text** — Saves the message text as a Quick Text entry.
     - **Message Info** — Lets you display status information about a message.

Select an option to perform the function for that option.

Voicemail

New voice 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 new voicemail messages.

1. In Standby mode, press the **Messaging** soft key, then select **Voicemail**. A Voicemail status screen indicating the number of new messages in your voice mailbox, their urgency, and any callback numbers appears in the display.
2. Press the **Call** soft key or press  to call your voice mailbox and listen to your voice messages.

Note: You can, in Standby mode, also tap Dialer, and then press and hold 1 to dial your voice mailbox.

Erasing Messages

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

Note: This function erases all messages in a selected message folder or in all message folders. To delete a single message, from the **Messaging** menu, select the message folder where the message to be deleted is stored, then press the **Erase** soft key, select the message in the list, and press the **Erase** soft key again.

1. In Standby mode, press the **Messaging** soft key, then select **Erase Messages**. The following options appear in the display:
   - **Inbox** — Lets you delete all messages from your Inbox.
   - **Outbox** — Lets you delete all messages from your Outbox.
   - **Drafts** — Lets you delete all draft messages from the Drafts folder.
   - **All Messages** — Lets you delete all messages from all message folders.
2. Select the folder(s) containing the messages that you wish to delete. You are prompted to confirm the erasure of all messages in the folder(s).
3. To cancel deleting any messages, press the **No** soft key. To delete all messages from the selected folder, press the **Yes** soft key.

Message Settings

The Message Settings let you customize messaging to suit your preferences.

1. In Standby mode, press the **Messaging** soft key, then select **Message Settings**. The **Message Settings** screen appears in the display listing the following options:
   - **Auto Save/Auto Erase** — Lets you set your device messaging to:
     – Automatically save unsent messages to the Outbox folder, to discard them, or to prompt you to select to save/discard unsent messages.

– Automatically erase/or prompt you to delete the oldest read messages after message memory is full and new messages are received.

- **Quick Text** — Lets you change pre-composed text or compose text for addition to your outgoing messages.
- **Voicemail Number** — Lets you update your Voicemail access number.
- **Keypad/Entry Mode** — Lets you set the following:
  - Default **Keypad** (3X4 Keypad, QWERTY, Handwriting box, Handwriting full screen) for entering message text.
  - Default text **Entry Mode** [Abc/abc/ABC (alphabetically), T9 Word, or 123 (numerical)] for composing message text.
- **Callback Number** — Lets you disable (Off), enable (On), and update the callback number that can be inserted in outgoing messages.
- **Signature** — Lets you disable (Off), enable (On), and update the text signature that can be inserted in outgoing messages.
- **Reminder** — Lets you set the message receipt reminder to play **Once**, **Every 2 Minutes**, **Every 15 Minutes**, or not to play (**Off)**.
- **Text Msg View** — Lets you set messaging to do the following:
  - **Auto View** — Set your device to Display your incoming text messages automatically when they're received or to prompt you whether to view them now or later.
  - **View Mode** — Set device messaging to display incoming text messages one at a time or to display text messages (outgoing and incoming) in a chat-style view.
- **Picture/Video Msg Download** — When set to **On**, your device automatically downloads Picture and Video messages to your Inbox folder when they are received. When set to **Off**, you are prompted to select whether to download the message now or later.

2. Select any desired options and settings for those options.
3. To save your settings, press the **OK** soft key. You are returned to the **Message Settings** menu.

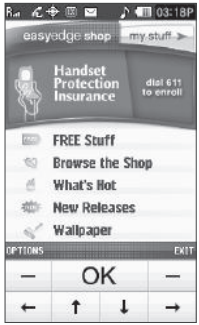
This section explains the easy**edge**[SM] features where users can download multimedia, applications, games, and check news and sports.

Finding Applications

With **easyedge**[SM], you can download full featured applications over the air including games, personalized ring tones, pictures, and more.

1. In Standby mode, tap the **Menu** soft key, then select **easyedge**.

   The **easyedge**[SM] screen appears in the display with the **easyedge shop** tab highlighted.



2. Tap the **Left** navigation soft key to select the **my stuff** tab. You can use the navigation soft keys to browse or search for, purchase, and download applications.
3. Tap the **OK** soft key to select an application on your phone that you wish to launch.



Note: Some applications do not support the touch screen. Refer to the instructions for particular applications.

4. Press the key to exit the menu.

This section outlines how to launch Browser, how to navigate to other pages on the web, and how the keys on the keypad are used with the web application. Additionally, links to other sites are briefly discussed.

Browser Features

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, press the **Menu** soft key, then select **Browser**.

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



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

Exit Browser

▶ To exit **Browser**, press .

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 QWERTY 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.



Home — Loads and displays the web page designated as your “home page”.



Zoom — Lets you enlarge or shrink web pages.



Favorites — Displays and lets you select from a list of web sites you have saved as your favorites.



Add to Favorites — Lets you save the address and title of the current web page to your favorites list.



Slide — Lets you press and slide the current web page to view non-displayed portions of the page.



Settings — Launches the Browser Settings menu, letting you customize Browser to suit your needs.



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

Use your Samsung phone to take full color digital pictures and videos, 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 or camcorder. This section explains how you can do the following:

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

Taking Pictures and Videos

Taking pictures videos with the built-in camera-camcorder 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 Snap Shots (Single Pictures)

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

1. In Standby mode, press and hold 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 65)



Note: You can also activate the camera by pressing the **Menu** soft key, then select **Multimedia** ➔ **Camera**.

2. Using the display as a viewfinder, point the camera at your subject.
3. When the image that you wish to capture appears in the display, press the Camera key ( ).
4. Do one of the following:
   - Press the **Save** soft key to save the picture to memory.
   - Press the **Erase** soft key to erase the photo.
   - Press the **Send** soft key to email the photo.
   - Press **Set as Wallpaper** to change the background on your device.

5. 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 68

Taking Multi Shot Pictures

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

1. In Standby mode, press and hold 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 65)

Note: You can also activate the camera by pressing the **Menu** soft key, then select **Multimedia** → **Camera**.

2. Press the **Shooting Mode** button. The following options appear in the display:
   - **Single** — Lets you take a single photo.
   - **Multi** — Lets you take a series of 3 or 5 photos with a single press of the Camera key ( ).
   - **Mosaic** — Lets you take a mosaic of 4 or 9 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.
3. When you select the **Multi** option, the following options appear in the display:
   - **3**
   - **5**

   When you select **Mosaic**, the following options appear in the display:
   -
   -
4. Select the desired number of shots.

   The Multi progress bar (00/03 or 00/05) or the Mosaic icon (or) (which acts as a progress bar while pictures are being taken) appears in the display.
5. 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 (**Multi**) or one each time you press the Camera key ( ) (**Mosaic**), then the multiple-photo screen appears in the display.
   - To discard the pictures, press the **Erase** button.
   - To set a picture as the Standby mode screen wallpaper, press the **Set as Wallpaper** button.
   - To send a picture in a picture message, press the **Send** button
   - To save the pictures to memory, press the **Save** button.

Taking Videos

To take a video using the current camcorder settings, do the following:

1. In Camera mode, press and hold the Camera key ( ) on the right side of the phone. The camera view finder screen appears in the display.
2. Press the **Mode** button. The camcorder view finder screen appears in the display. (For more information, refer to *"Camcorder Screen"* on page 66)

Note: You can also activate the camcorder by pressing the **Menu** soft key, then selecting **Multimedia → Camcorder**.

3. Using the display as a viewfinder, point the camera lens at your subject.
4. Press the Camera key ( ) when the image that you wish to capture appears in the display. Recording continues until you press the Camera key ( ) a second time or until 15 seconds of video has been recorded, whichever comes first.
   - To discard the video clip, press the **Erase** button.
   - To send video in a video message, press the **Send** button
   - To save the video to memory, press the **Save** button.

Screen Layouts

Camera Screen



When you activate your phone's camera, the second line of the display is reserved for the current camera resolution setting and the picture counter. The center of the display shows a viewfinder image of the subject at which the camera is pointed.

Camera Screen Buttons

Changes the Camera-Camcorder mode to Camcorder.

Lets you set the Camera's **Shooting Mode** to **Single**, **Multi**, **Mosaic**, or **Frame**.

Lets you set the resolution of your photos between **3M**egapixels – **0.3M**megapixels and **Picture ID**.

Lets you select **Quality**, **Self Timer**, **White Balance**, **ISO**, **Effects**, **Exposure Metering**, and more.

Lets you set the Camera's Flash to **On**, **Off**, or **Auto**.

Lets you set the Camera's Focus to **Normal** or **Macro**.

Lets you set the Camera to brighten or darken your photos.

Lets you access the My Images folder.

Button/Icon Display

1. In camera mode, with the buttons and icons appearing in the display, tap the screen once to hide the Camera icons, then press the icon bar again to hide the Camera buttons.
2. In camera mode, with the buttons and icons not appearing in the display, tap the screen once to display the Camera icons and buttons.

Camcorder Screen



When you activate your phone's camcorder, the first line of the display is shows current camcorder setting icons. The center of the display shows a viewfinder image of the subject at which the camcorder is pointed.

Camcorder Screen Buttons



Changes the Camera-Camcorder mode to Camcorder.



Lets you set the Camcorder's **Recording Mode** to **Normal** or **Video Msg**.



Lets you set the Camcorder's resolution to **320x240** or **176x144** (pixels).



Lets you select values for **Quality**, **Self Timer**, **White Balance**, and **Effects**.



Lets you set the Camcorder's Flash to **On**, **Off**, or **Auto**.



Not supported by the Camcorder.



Lets you set the Camcorder to brighten or darken your videos.



Lets you access the My Videos folder.

Button/Icon Display

1. In Camcorder mode, with the buttons and icons appearing in the display, tap the screen once to hide the Camcorder icons, then tap the screen again to hide the Camcorder buttons.
2. In Camcorder mode, with the buttons and icons not appearing in the display, tap the screen once to display the Camcorder icons and buttons.

Saving Pictures and Videos

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

- **Save the picture or vide**o by pressing the **Save** soft key.

  A picture is stored in the **My Images** folder. A video is stored in the **My Videos** 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 and videos. (For more information, refer to *"The Photo Gallery"* on page 77)
- **Send the picture or video** to someone else by pressing the **Send** soft key.

  For a detailed procedure, see *"Creating and Sending a Picture Message"* on page 50 or see *"Creating and Sending a Video Message"* on page 52.
- **Discard the picture or video** by pressing the **Erase** soft key.

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:

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

Mode

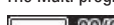
Switches to Camcorder mode. The Camcorder view finder screen appears in the display.

Shooting Mode

Multi

Multi Shot lets you take multiple pictures in succession at the touch of a key.

1. In camera mode, press the **Shooting Mode** button, then highlight **Multi Shot**. The following options pop-up:
   - **Single** — Lets you take a single photo.
   - **Multi** — Lets you take a series of 3 or 5 photos with a single press of the Camera key ( ).
   - **Mosaic** — Lets you take a mosaic of 4 or 9 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.
2. When you select the **Multi** option, the following options appear in the display:
   - **3**
   - **5**

   When you select **Mosaic**, the following options appear in the display:
   - 
   - 
3. Select the desired number of shots.
   The Multi progress bar ( or ) or the Mosaic icon (or ) (which acts as a progress bar while pictures are being taken) appears in the display.
4. Select the desired option and setting. The related icon appears in the display.

When you press the Camera key ( ), the camera takes several pictures in rapid succession (**Multi**), or lets you take one picture after another (**Mosaic**).

Frames

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

Note: The None frame is a blank frame.

1. In camera mode, press the **Shooting Mode** button, then select **Frames**. A pop-up menu of the available Fun Frames appears in the display.
2. 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.

Size

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

1. In camera mode, press the **Size** button. The following options pop-up:
   - **2048x1536** (pixels)
   - **1600x1200** (pixels)
   - **1280x960** (pixels)
   - **1024x768** (pixels)
   - **640x480** (pixels)
   - **Picture ID** — lets you take pictures the correct size and resolution for Contacts list picture IDs.
2. Select the desired option. You're returned to the camera viewfinder screen.

Note: The **Size** setting affects zoom capabilities. When **Size** is set to **2048 x 1536**, zoom is not available. When **Size** is set to any value lower than **2048 x 1536**, zoom settings 1 – 9 are available.

Settings — Camera Tab

Quality

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

1. In camera mode, press the **Settings** soft key, then select Camera Tab ➔ **Quality**.
2. Select one of the options: **High**, **Normal**, or **Economy**. You're returned to the camera viewfinder screen.

Self Timer

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

1. In camera mode, press the **Settings** soft key, then select Camera Tab ➔ **Self Timer**.

   The following values appear in the camera screen:

   - **Off**
   - **3 Seconds**
   - **5 Seconds**
   - **10 Seconds**
2. Select the desired Self Timer option. If you select **3**, **5**, or **10**, the Self 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 .

White Balance

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

1. In camera mode, press the **Settings** soft key, then select Camera Tab ➔ **White Balance**. The following options pop-up:
   - **Auto** — The camera automatically adjusts picture quality to available light.
   - **Daylight** — Use this setting when taking pictures in full sun.
   - **Cloudy** — Use this setting when taking pictures in cloudy conditions.
   - **Tungsten** — Use this setting when taking pictures under incandescent lights.
   - **Fluorescent** — Use this setting when taking pictures under fluorescent lights.

   Each option, as you highlight it, shows the effects it has on a picture.
2. Select the White Balance you wish to use. 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.

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.

1. In camera mode, press the **Settings** soft key, then select Camera Tab ➔ **Effects**. The following options pop-up:

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

- **Normal** — Subjects and pictures appear with a normal hue.

- **Sketch** — Subjects and pictures appear as black and white outlines.
- **Negative** — Subjects and pictures appear in inverted colors.
- **Sepia** — Subjects and pictures appear in a brownish-gray hue.
- **B & W** — Subjects and pictures appear in black and white.
- **Aqua** — Subjects and pictures appear in an aqua hue.

2. 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.

ISO

The ISO feature allows you to set the camera exposure index.

1. In camera mode, press the **Settings** soft key, then select Camera Tab ➔ **ISO**.
2. Select one of the options: **Auto**, **100**, **200**, or **400**. You're returned to the camera viewfinder screen.

Exposure metering

1. In camera mode, press the **Settings** soft key, then select Camera Tab ➔ **Exposure metering**. The following options appear in the display:
   - **Normal** — Adjusts exposure to the average light level over a large picture area.
   - **Center-weighted** — Adjusts exposure to the average light level over a center portion of the subject.
   - **Spot** — Adjusts exposure to the light level over a small portion of the subject.
2. Select the Metering setting 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 measured exposure.

Settings — Common Tab

Default Storage

1. In camera mode, press the **Settings** soft key, then select Common Tab ➔ **Default storage**. The following options appear in the display:
   - **Phone Memory** — Stores pictures in phone memory.
   - **Card Memory** — Stores pictures on an optional microSD Memory Card.
2. Select the memory location setting of your choice. You're returned to the camera viewfinder screen.

Auto Save

1. In camera mode, press the **Settings** button, then select Common Tab ➔ **Auto Save**. The following options appear in the display:
   - **Off**

- **On**

2. Select the automatic save setting of your choice. You're returned to the camera viewfinder screen.

Guideline

Shows a cross hatch pattern in the view finder screen.

1. In camera mode, press the **Options** soft key, then highlight **Settings** and select **Guideline**. The following options appear in the display:
   - **Off**
   - **On**
2. Select the viewfinder screen 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.

1. In camera mode, press the **Settings** button, then select Common Tab ➔ **Shutter Sound**. The following shutter sounds appear in the display:
   - **Off**
   - **Shutter**
   - **OK**
   - **Melody**
2. Select the shutter sound setting of your choice. You're returned to the camera viewfinder screen.

Brightness

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

1. In camera mode, press the **Brightness** button. The horizontal Brightness scale appears in the display.
2. To increase Brightness (brighten your picture), press the **+** button. To decrease Brightness (darken your picture), press 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 – 9) enlarges your pictures or videos (1 is normal).

1. 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.
3. 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 **1600 x 1200**, zoom is not available. When **Size** is set to any value lower than **1600 x 1200**, zoom settings 1 – 9 are available.

Camcorder Options

The Camcorder Options let you adjust the default camcorder settings to suite available lighting, the subject of the video, or the purpose of the video.

To access Camcorder Options, press/select the any of the following buttons/options:

Mode

Switches to Camera mode. The Camera view finder screen appears in the display.

Recording Mode

1. In camcorder mode, press the **Recording Mode** button. The following options appear in the display:
   - **Normal** — Record videos that are any length up, depending on available memory.
   - **Video Msg** — Record videos that are a maximum of 15 seconds long. The videos can be included in video messages.
2. Select the desired recording mode setting. The camcorder viewfinder screen appears in the display.

Note: The **Recording Mode** setting affects the following settings:

- **Size** — When **Recording Mode** is set to **Video Msg**, the **Size** setting is locked at **176 x 144**.
- **Quality** — When **Recording Mode** is set to **Video Msg**, the **Quality** setting is locked at **Economy**.

Size

Change the size (in bytes) of your videos by changing the video resolution setting.

1. In camera mode, press the **Size** button. The following options pop-up:
   - **320 x 240** (pixels)
   - **176 x 144** (pixels)
2. Select the desired option. You're returned to the camera viewfinder screen.

Note: The **Size** setting is affected by the **Recording Mode** setting. When **Recording Mode** is set to **Video Msg**, the **Size** setting is locked at **176 x 144**.

Settings — Camcorder Tab

Quality

You can affect how much your video is compressed, thereby reducing it's overall size (not to be confused with the **Size** setting).

1. In camcorder mode, press the **Settings** button, then select Camcorder Tab ➔ **Quality**. The following options appear in the display:
   - **High**
   - **Normal**
   - **Economy**
2. Select the quality setting of your choice. You're returned to the camcorder viewfinder screen.

Note: The **Quality** is affected by the **Recording Mode** setting. When **Recording Mode** is set to **Video Msg**, the **Quality** setting is locked at **Economy**.

Self Timer

Self Timer lets you delay recording a video long enough to let you join others in a picture.

1. In camcorder mode, press the **Settings** button, then select Camcorder Tab ➔ **Self Timer**. The following options appear in the display:
   - **Off**
   - **3 Seconds**
   - **5 Seconds**
   - **10 Seconds**
2. Select the desired Self Timer option. If you select **3**, **5**, or **10**, the Self Timer icon appears in the camcorder screen in the display.

   When you press the Camera key ( ), the countdown timer indicates the time remaining before the camcorder begins recording.

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

White Balance

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

1. In camcorder mode, press the **Settings** button, then select Camcorder Tab ➔ **White Balance**. The options are:
   - **Auto** — The camcorder automatically adjusts color balance to available light.
   - **Daylight** — Use this setting when recording videos in full sun.
   - **Cloudy** — Use this setting when recording videos in cloudy conditions.
   - **Tungsten** — Use this setting when recording videos under incandescent lights.

- **Fluorescent** — Use this setting when recording videos under fluorescent lights.

2. Select the White Balance you wish to use. The camcorder viewfinder screen appears in the display with your selected White Balance applied.

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

Effects

Change the look of your videos with Color 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.

1. In camcorder mode, press the **Settings** button, then select Camcorder Tab ➔ **Effects**. The following options appear in the display.

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

- **Normal** — Subjects and pictures appear with a normal hue.
- **Sketch** — Subjects and pictures appear as black and white outlines.
- **Negative** — Subjects and pictures appear in inverted colors.
- **Sepia** — Subjects and pictures appear in a brownish-gray hue.
- **B & W** — Subjects and pictures appear in black and white.
- **Aqua** — Subjects and pictures appear in an aqua hue.

2. Select the color effect of your choice. You're returned to the camcorder viewfinder screen.

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

Camcorder Settings — Common Tab

Default storage

1. In camcorder mode, press the **Settings** button, then select Common Tab ➔ **Default storage**. The following Memory options appear in the display:
   - **Phone Memory** — Stores videos in phone memory.
   - **Card Memory** — Stores videos on an optional microSD Memory Card.
2. Select the memory location setting of your choice. You're returned to the camcorder viewfinder screen.

Auto Save

1. In camcorder mode, press the **Settings** button, then select Common Tab ➔ **Auto Save**. The following options appear in the display:
   - **Off**
   - **On**

2. Select the automatic save setting of your choice. You're returned to the camcorder viewfinder screen.

Start Sound

Choose from two different sounds whenever you begin video recording. Aside from being a cool sound effect, Start Sound acts as an audible reminder that your camcorder has begun recording a video.

1. In camcorder mode, press the **Settings** button, then select Common Tab ➔ **Start Sound**. The following Memory options appear in the display:
   - **Off**
   - **Beep**
   - **Look Here!**
   - **1,2,3!**
2. Select the desired start sound. You're returned to the camcorder viewfinder screen.

End Sound

Choose from two different sounds whenever you stop video recording. Aside from being a cool sound effect, End Sound acts as an audible reminder that your camcorder has stopped recording a video.

1. In camcorder mode, press the **Settings** button, then select Common Tab ➔ **End Sound**. The following Memory options appear in the display:
   - **Off**
   - **Beep**
   - **OK**
   - **Melody**
2. Select the desired end sound. You're returned to the camcorder viewfinder screen.

Brightness

Brightness lets you temporarily lighten the videos you record. Increasing the Brightness (-4 – +4) lightens your videos (**0** is normal).

1. In camcorder mode, press the **Brightness** button. The horizontal Brightness scale appears in the display.
2. To increase Brightness (brighten your picture), press the **+** button. To decrease Brightness (darken your picture), press the **-** button.

   The next time you press the Camera key ( ), the camcorder records a lighter or darker image according to your selected Brightness setting.

Zoom

Zoom lets you temporarily enlarge the pictures you take. Increasing the Zoom (1 – 9) enlarges your pictures or videos (0 is normal).

1. In camcorder 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.
3. To Zoom out from a subject, press the Volume key up.

   The next time you press the Camera key ( ), the camcorder records an enlarged image according to your selected Zoom setting.

The Photo Gallery

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

1. In the Camera viewfinder screen, press the **Gallery** button. Any pictures that you've saved are listed with their thumbnail images in the display.
2. Press and slide to browse pictures in the gallery.
3. To send the currently displayed or highlighted picture as a Picture message, press the **Send** soft key.
4. To delete selected unlocked pictures from the My Images folder, press the **Erase** soft key. Locked pictures must be unlocked before you can erase them.
5. For more options, press the **More** soft key. The following additional options pop-up:
   - **Camera** — Launches the camera.
   - **CANVAS** — Lets you overlay a selected image with drawing(s) or handwriting, then save it and send it in a Picture message.
   - **Move** — Transfer one or more images to an optional Memory Card.
   - **Copy** — Save a copy of one or more images to an optional Memory Card.
   - **Lock/Unlock** — Prevent/allow erasure of one or more images.
   - **Print** — Print one or more images on a Bluetooth-compatible printer.
6. To view an image, select it. While viewing an image, you have the following options:
   - To send the image in a Picture message, press the **Send** soft key.
   - To assign the image as the standby screen Wallpaper or as a Picture ID for someone in your Contacts list, press the **Set As** soft key.
   - To access more options, press the **More** soft key. The following additional options pop-up:
     – **Camera** — Launches the camera.

- **Erase** — Deletes the image from the My Images folder, provided the image is unlocked.
- **Move to Card** — Transfer this image to an optional Memory Card.
- **Copy to Card** — Save a copy of this image to an optional Memory Card.
- **Rename** — Rename the currently displayed or highlighted picture.
- **Lock / Unlock** — Lock the currently displayed or highlighted picture so that it cannot be deleted, or unlock the picture so that it can be deleted.
- **Print** — Print the image on a Bluetooth-compatible printer.
- **Slide Show** — Show the images as a full screen slide show.
- **Image Info** — View the Title, time and date created, size, and resolution of the currently highlighted or displayed picture.

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

Point, Click, and Send Pictures and Videos

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

1. In Camera mode, press and hold the Camera key ( ) on the right side of the phone. The camera view finder screen appears in the display.
2. If desired, press the **Mode** button. The camcorder view finder screen appears in the display.
3. Using the display as a viewfinder, take the desired picture or record the desired video by pressing the Camera key ( ), and then pressing the Stop button ( ) to stop video recording.

   The photo/video review screen appears in the display.
4. Press the **Send** button, then select **Picture Message** or **Video Message**.

   The **Picture Msg** or **Video Msg** screen appears in the display.
5. Enter the recipient's phone number or email address using the keypad.
6. Press the **Done** soft key to save the address(es).
7. Press the Next soft key to move to the **Subject** field. Select the other message fields as needed. For more information, refer to *"Messaging"* on page 49
8. When you are finished composing your message, press **Send** soft key to send the Picture or Video message to the intended recipient(s).

Section 11: Music Player

Music Player lets you play music files (such as, CMX, MIDI, MP3, AAC, AAC+, and eAAC+) stored on a Memory Card.

This section describes your phone's Music Player functions and key features associated with multimedia.

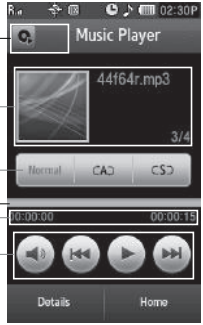
Accessing the Music Player

Note: A microSD Memory Card must be installed for the Music Player to launch. (For more information, refer to *"Memory Card (Optional)"* on page 8)

- In Standby mode, press the **Menu** soft key, then select **Music Player**. The **Music Player** screen appears in the display.



Music Player Controls



1. **Music Library button**

   Launches the **Music Library** menu.

2. **Selection Information area** — Shows album cover image, selection title/file name, artist, and album name, if available.

3. **Equalization and Repetition controls** — Set the equalization (**Normal**, **Rock**, **Jazz**, or **Classic**), repetition, and stereo/mono.

   Plays through each song on the playlist one time.

   Plays and replays one song until you press Stop or Pause.

Plays all songs in the Playlist and then replays until you press Stop or Pause.

Plays songs at random, that is, in no particular order.

Plays songs in the listed order.

4. **Progress bar** — Indicates progress of playback.
5. **Elapsed Time and Total Time** — Show how many hours, minutes, and seconds of the music file have been played and shows how long the music file is in hours, minutes, and seconds.
6. **Playback controls**

Mutes music file playback.

Changes playback to previous music file in playback list.

Starts/resumes music file playback.

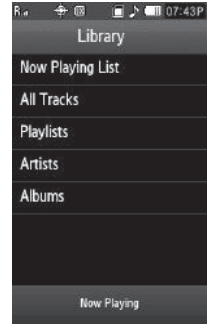
Pauses music file playback.

Changes playback to next music file in playback list.

Music Player Soft Keys

- **Details** — Launches the **Details** screen which shows Title, Artists, Album s, Genre, File Name, Encoding Format, Bitrate, Duration, File Size, and Date for the music file currently playing.
- **Home** — Closes the **Music Player** screen and returns to Standby mode.

Browsing for a Music File to Play



To select a music file to play:

1. From the **Music Player** screen, press the Music Library button ( ) in the upper left corner of the screen.

   The **Library** screen appears in the display listing the following options:

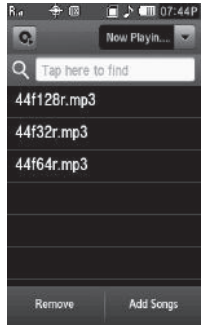
   - **Now Playing List** — Lists you most recently played Playlist.
   - **All Tracks** — Lists all music files stored in the My Music folder on a microSD Memory Card by their file names.

- **Playlists** — Lists any music file Playlist(s) you have created.
- **Artists** — Lists all available recording artists names with music files stored on a Memory Card.
- **Albums** — Lists all available album titles for music files stored on a Memory Card.

2. Select the music file group you wish to access. A list of music files appears in the display.
3. To play a music file, select the file. The **Music Player** screen appears in the display and the selected file begins playing.
4. To add a file to a Playlist, press the **Add to Playlist** soft key. The **Add Songs** screen appears in the display.
   - Select a music file to add to a Playlist. A check mark appears in the check box for that file.
   - Press the **Save** soft key.

Searching for a Music File to Play

1. From the **Music Player** screen, press the Music Library button in the upper left corner of the screen. The Music Library screen appears in the display.
2. Select the music file group you wish to access. A list of music files appears in the display.
3. Select the **<Tab Here To Find>** field. The 3X4 Keypad screen appears in the display.
4. Enter the first few characters of the file, Playlist, artist, or album you wish to find. (For more information, refer to *"Entering Text"* on page 43.)
5. Press the **Done** soft key. A list of the files, Playlists, artists, or albums with names that match your text entry appears in the search screen.
6. Select the file you wish to play. The **Music Player** screen appears in the display and the selected file begins playing.



Section 12: Multimedia

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

Accessing Multimedia

1. In Standby mode, press the **Menu** soft key, then select **Multimedia**. The following Multimedia sub-menus appear in the display:
   - **Camera** — Lets you launch and set up your phone's camera. (For more information, refer to *"Camera-Camcorder"* on page 63)
   - **Camcorder** — Lets you launch and set up your phone's camcorder. (For more information, refer to *"Camera-Camcorder"* on page 63)
   - **My Images** — Lets you choose the multi-media or pictures that appear in your phone's display.
   - **My Videos** — Lets you choose the videos that appear in your phone's display.
   - **My Ringtones** — Lets you assign melody tones for calls, alarms, and other alerts.
   - **My Sounds** — Lets you assign melody tones for calls, alarms, and other alerts.
2. Select a sub-menu to launch it. The following sections describe the above listed sub-menus in greater detail.

My Images

My Images lets you choose the pictures that appear in your phone's display while in Standby mode (wallpaper) and as picture IDs for your contacts.

1. From the **Multimedia** menu, select **My Images**.

   If there are no pictures stored in your phone or on a memory card, "**Empty**" appears in the **My Images** screen. [To launch the camera to take a picture, press the **More** soft key and select the **Camera** option. (For more information, refer to *"Camera-Camcorder"* on page 63)]

   If there are pictures stored in your phone or on an optional Memory Card, up to seven thumbnail images of your pictures appear in the display.

Tip: You can also access My Images from:

-The Camera screen, by selecting the **Gallery** button.

-The **Edit Contact** screen, by selecting the picture ID field and then selecting the **My Images** option.

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2. Select a picture to enlarge it for easier viewing.
3. To send the selected image to a specified recipient in a Picture message, press the **Send** soft key.

4. To assign the selected picture as the **Picture ID** for a Contact, or as the **Wallpaper** for the Standby mode screen, press the **Set as** soft key.
5. Press the **More** soft key. A pop-up menu containing the following options appears in the display:
   - **Camera** — Lets you take additional photos.
   - **Erase** — Deletes the selected image.
   - **Move to card** / **phone** — Lets you move the picture from the phone to a memory card or from a memory card to the phone.
   - **Copy to card** / **phone** — Lets you save a copy the picture to the phone or to a memory card.
   - **Rename** — Lets you rename the image.
   - **Lock** / **Unlock** — Prevents/allows deletion of the image.
   - **Print** — Lets you print the image to a Bluetooth-compatible printer.
   - **Slide Show** — Lets you view the images in the My Images folder as a slide show.
   - **Image Info** — Displays information about the image, such as the file **Name**, creation **Date** and **Time**, **Resolution**, and the data **Size**.
6. Select the desired option.

My Videos

My Videos lets you take videos, review your videos, send them as video messages, and assign your videos as wallpaper on your phone.

1. From the **Multimedia** menu, select **My Videos**.

   If there are no videos stored in your phone or on a memory card, "**Empty**" appears in the **Videos** screen.

   If there are videos stored in your phone or on an optional Memory Card, the **Videos** screen appears showing a list of up to seven videos with thumbnail images.
   - To view the Videos Gallery as an array of thumbnail images, press .
   - To return to the list of Videos and thumbnail images, press .
2. To play a video, select it. The Video Player screen appears in the display and begins playing the highlighted video.
3. To send a video as part of a video message, press the **Send** soft key. (For more information, refer to *"Creating and Sending a Video Message"* on page 52)
4. To delete one or more video clips from the My Videos folder, press the **Erase** soft key.

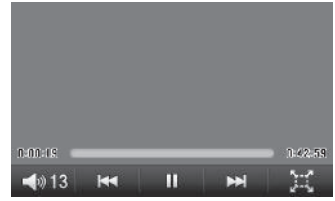


5. To move a video from the phone to a Memory Card or from a Memory Card to the phone, press the **Move** soft key.
6. To take a new video, press the **More** soft key and select the **Camcorder** option. The camcorder view finder screen appears in the display. (For more information, refer to *"Camera-Camcorder"* on page 63)
7. For more My Videos options, press the **More** soft key. The following options appear in the display:
   - **Camcorder** — Lets you record a new video clip.
   - **Copy** — Lets you save a copy of a video to phone memory or to a Memory Card.
   - **Lock / Unlock** — Lets you block/permit deletion of a video.
8. Select the desired option.

Video Player

Your phone includes a Video Player capable of playing 3gs and MP4 video files. To launch the Video Player:

1. From the **Videos** screen, select a video. The Video Player screen appears in the display and the selected video begins playing.
2. To send a video as part of a video message, press the **Send** soft key. (For more information, refer to *"Creating and Sending a Video Message"* on page 52)
3. To delete one or more video clips from the My Videos folder, press the **Erase** soft key.
4. To view the video in the largest size possible, rotate the handset counter-clockwise or press the **Full Screen** soft key.



5. For more Video Player options, press the **More** soft key. The following options appear in the display:
   - **Camcorder** — Lets you record a new video clip.
   - **Move to card** / **phone** — Lets you move a video between a Memory Card and phone memory.
   - **Copy to card** / **phone** — Lets you copy a video to a Memory Card or to phone memory.
   - **Rename** — Lets you change the name of this video clip.
   - **Lock / Unlock** — Lets you protect the video from being deleted.

- **Video Info** — Displays information about the video, such as the video **Name**, creation **Date** and **Time**, **Resolution**, data **Size**, and the **Duration**.

6. To select another video for playback, press  in the upper left corner of the screen.

My Ringtones

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

1. From the **Multimedia** menu, select **My Ringtones**. A list of ringtones appears in the display.

Tip: You can also access My Ringtones from:

-An **Alarm** screen by selecting the **Alarm Tone** option.

-The **Edit Contact** screen by selecting the  option.

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2. When accessing My Ringtones from an Alarm or a Contact, select a particular ringtone. A dot appears in the selected ringtone's radio button, and the ringtone plays once.
   - To assign the marked ringtone to the Alarm or Contact, press the **Set** soft key.
3. When accessing My Ringtones from the Multimedia menu, assign the highlighted ringtone by pressing the **Set As** button. The following options appear in the display:
   - **Ringtone** — Lets you assign the selected ringtone to incoming voice calls.
   - **Contact ID** — Lets you assign the selected ringtone as the distinctive ringer for a Contact.
   - **Alert Tone** — Lets you assign the selected ringtone to **All Messages**, **TXT Message**, **Picture-Video Message**, or **Voicemail Message**.
4. Select the desired option.
5. When using a downloaded ringtone, you can select the following options:
   - **Send Via BT**— Send the ringtone via a Bluetooth device.
   - **Erase** — Erases the selected file or all downloaded ringtones.
   - **More** — Pops-up the following additional options:
     - **Lock / Unlock** — Lets you prevent/permit file deletion.
     - **Ringtone Info** — Displays information about the selected file, such as the file name, the file type, and the data size.
6. Select the desired option.

My Sounds

My Sounds lets you record voice memos and lets you assign preloaded and downloaded sound files as ringers for calls, alarms, and other alerts.

1. From the **Multimedia** menu, select **My Sounds**. The My Sounds menu appears in the display, along with the follow options:

- **Record New** — Lets you record a new sound file.
- **Erase** — Erases one or more sound files.
- **Lock/Unlock** — Lets you protect the sound file from being deleted.

Tip: You can also access **My Sounds** from:

-A **Set Alarm** screen by selecting the **Alarm Tone** option, then pressing the **My Sounds** soft key.

-The **Edit Contact** screen by selecting the option and pressing the **My Sounds** soft key.

2. Select a file. The Sound Player screen appears in the display, and the selected sound file begins to play.

   For a preloaded sound file, the following options appears in the display:

   - **Record New**— Lets you record a new sound file.
   - **Send** — Lets you send the selected sound file to a specified recipient in a Picture message.
   - **Set As** — Lets you assign the selected sound file as the **Ringtone** or as the **Contact ID** for a Contact or an **Alert Tone** for Text, Picture, or Voicemail messages.
   - **Sound Info** — Displays information about the sound file, such as the file name, file type, and the data size.

   For a downloaded sound file, the following options appear in the display:

   - **Record New**— Lets you record a new sound file.
   - **Send** — Lets you send the selected sound file to a specified recipient in a Picture message.
   - **Set As** — Lets you assign the selected sound file as the **Ringtone** or as the **Contact ID** for a Contact or an **Alert Tone** for Text, Picture, or Voicemail messages.
   - **More**
     - **Erase** — Erases one or more sound files.
     - **Rename** — Lets you rename the sound file.
     - **Lock / Unlock** — Lets you protect the sound file from being deleted.
     - **Sound Info** — Displays information about the sound file, such as Title, File Size, File Type, Date and Time.
3. Select the desired option.

Voice Memo

You can use your phone to record voice memos and other sound files for later playback or assignment as ringers. (For more information, refer to *"Ringer Type"* on page 112)

Note: The maximum length for a single voice memo is 60 seconds.

You can save as many voice memos as will fit in the empty memory capacity.

Record a Voice Memo

1. From the **Multimedia** menu, select **My Sounds → Record New**.

2. Select **Until Memory Full** or **Limit for Message**.

   The **Voice Memo** screen appears in the display.

3. Press **REC**, then start speaking. As it is recording the phone displays a countdown timer that shows the seconds remaining for the recording.
   - To pause the memo, press the **Pause** soft key. When a memo is paused, select **Rec** to continue recording.

4. Press **Stop** once you're finished recording. The new recording is saved, and the Standby mode screen appears in the display.

Review Voice Memos

If you've saved any voice memos, you can review them anytime.

1. In Standby mode, press **Menu**, then select **Multimedia** ➔ **My Sounds**. A list of sound files appears in the display.
2. Select the voice memo you wish to review. The memo begins to play.
   - To stop the memo, press **Pause** .

   When the voice memo finishes playing, the selected voice memo remains highlighted in the list of sound files.

Erase One Voice Memo

1. In Standby mode, press **Menu**, then select **Multimedia** ➔ **My Sounds**. A list of sound files appears in the display.
2. Highlight the voice memo you wish to erase.
3. Press the **Erase** soft key. The "**Select to erase**" screen appears in the display.
4. Select the voice memo you wish to erase, then press the **Erase** soft key.

Erase All Voice Memos at One Time

1. From the **Multimedia** menu, select **My Sounds**. A list of sound files appears in the display.
2. Use the navigation keys to highlight a voice memo.
3. Tap the **Erase** soft key.
4. Tap **Select All**. A check mark appears next to the option.
5. Tap the **Erase** soft key again.

Section 13: Tools

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

Accessing Your Phone's Tools

To launch the Tools menu:

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

Voice Service

Your device includes state-of-the-art voice recognition software that lets you use your voice to dial numbers, access your Contacts list, and open Tools. To access your phone's voice recognition, do the following:

1. At the **Tools** menu, select **Voice Service**. The following options appear in the display:
   - **Voice Commands** — Lets you place calls, access your Contacts List, review your appointments, and more by speaking commands into your phone. (Also see *"Using Voice Dial"* on page 20 and see *"Voice Method"* on page 36 for more information.)
   - **Voice Settings** — Lets you tailor VoiceSignal to better respond to your voice and your phone use preferences. (For more information, refer to *"Adaptation"* on page 90.)
2. Select the desired sub-menu.

Voice Commands

To access the Voice Commands menu:

1. In Standby mode, press and hold the Voice Recognition key ( ), on the right side of the phone.
   – Or –
   From the **Tools** menu, select **Voice Service** ➔ **Voice Commands**.

Tip: You can also set your phone to start VoiceSignal when you connect an optional headset to the phone. (For more information, refer to *"Voice Launch"* on page 91.)

"**Say a Command**" appears in the display and is pronounced through the earpiece, followed by a list of available commands:

- **Call** — Lets you dial the phone by saying any name stored in your contact list, without ever having to record, or "train" that name. VoiceSignal automatically voice-activates all your contacts, even if you have hundreds of them stored on your phone. You can also dial any telephone number, even if it is not stored in your contact list, by saying the digits in the number. (For more information, refer to *"Using Voice Dial"* on page 20.)
- **Send Text** — Lets you access Create Text Message.

- **Send Picture** — Lets you access Create Picture Message.
- **Lookup** — Lets you find a Contact by name and review the Contact's information.
- **Go to** — Lets you access the following list of your phone's features and functions:
  - **Contacts**
  - **Calls**
  - **Multimedia**
  - **Messaging**
  - **easy**edge[SM]
  - **Camera**
  - **Tools**
  - **Music Player**
  - **Calendar**
  - **Settings**
  - **Alarm**
  - **Calculator**
- **Check** — Lets you say a single command (such as "**Status**") to verify your phone's: **Status**, **Signal Strength**, **Network**, **Battery**, or **My Phone Number**.

2. Speaking clearly, say the command that you want to use. If VoiceSignal does not recognize a command, it prompts you to repeat the command. If VoiceSignal still does not recognized the command, it tells you "**No match found**" and offers you the option of selecting **Settings** or **Repeat** before canceling voice recognition.

Voice Command Tips:

- Make sure you wait for the beep and/or "**Listening ...**" pop-up before speaking.
- Speak clearly at a normal volume, as if you were talking on the phone.

Voice Settings

Confirmation

You can select whether and when VoiceSignal asks for confirmation of your responses when using the Call command.

1. From the **Tools** menu, select **Voice Service** ➔ **Voice Settings** ➔ **Confirmation**. The following options appear:
   - **Automatic** — Voice Service asks for your confirmation only when it is not sure if it has correctly recognized the name or number.
   - **Always Confirm** — Voice Service always asks for your confirmation.
   - **Never Confirm** — Voice Service never asks for your confirmation.
2. Select your preferred setting.

3. To save your selection, press the **OK** soft key. To discard the new setting, press . You are returned to the **Voice Settings** menu.

Adaptation

If you regularly have trouble with Voice Service not recognizing the commands, names, and/or numbers you say, try adapting Voice Service to your voice. Adapting can improve the accuracy of Voice Service responses, especially for people with strong regional accents.

Note: After you adapt Voice Service, it is customized to your voice, and your voice only. Others will not be able to use your Voice Service on your phone unless they reset it to factory defaults.

Adaptation involves recording your responses to several sequences of phrases. The recording process takes a couple of minutes.

Tips for Adapting Voice Service:

- Use Adaptation in a quiet place.
- Do not use a headset during Adaptation.
- Make sure you wait for the beep before starting to speak.
- Speak clearly, and say each phrase distinctly.
- If you make a mistake while recording a phrase, or if there is an unexpected noise that spoils the recording, re-record that phrase.
- Only use Adaptation if you are regularly having problems with Voice Service. Once you adapt Voice Service, it will not work as well for other people using your phone. (You can always reset Voice Service to its original state, as described below.)

Adapt Voice

To adapt Voice Signal to your voice, do the following:

1. From the **Tools** menu, select **Voice Service** ➔ **Voice Settings** ➔ **Adaptation**. The Adaptation screen appears in the display showing the **Adapt Voice** option.
2. Select **Adapt Voice**. Your phone displays text describing the Adapt Digits process.
3. Press the **Start** soft key. Your phone displays the first phrase or digit sequence and says "**Please say**" through the speaker followed by the phrase or digit sequence appearing in the display.
4. Wait for the beep and say the phrase or digits using your normal tone of voice. Adaptation continues the recording process with the next phrase or set of digits.

   After 15 phrases and sets of digits, adaptation ends and your are returned to the **Adaptation** screen.

Reset Voice

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

1. From the **Tools** menu, select **Voice Service** ➔ **Voice Settings** ➔ **Adaptation** ➔ **Reset Voice**. The phone prompts you to confirm voice adaptation reset.
2. Press the **Yes** soft key to reset your voice adaptation, or press the **No** soft key to keep your voice adaptation.

Modes

Modes lets you specify whether Voice Service is to read prompts and/or on-screen text to you when you are using your phone's menus.

1. From the **Tools** menu, select **Voice Service** ➔ **Voice Settings** ➔ **Modes**. The following options appear in the display:
   - **Expert Mode** — Voice Signal plays a beep when it requires information from you.
   - **Prompt Mode** — Voice Signal plays audio prompts for required information.
   - **Readout Mode** — Voice Signal reads on-screen text and plays audio prompts for required information.
2. Select the preferred setting.
3. Press the **OK** soft key to accept the new setting. Press to discard the new setting and return to the **Voice Settings** menu.

Voice Launch

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

1. From the **Tools** menu, select **Voice Service** ➔ **Voice Settings** ➔ **Voice Launch**. The following options appear in the display:
   - **Key Only** — Press and hold the Voice Recognition key ( ) to activate Voice Service.
   - **Key/EarMic** — Attach a headset to your phone. Press and hold the Voice Recognition key ( ) or press the button on the headset to activate Voice Service.
2. Select the preferred setting.
3. Press the **OK** soft key to accept the new setting. Press to discard the new setting and return to the **Voice Settings** menu.

About

This option displays version and build information about the Voice Service software included on your phone.

▶ From the **Tools** menu, select **Voice Service** ➔ **Voice Settings** ➔ **About**.

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

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.

Unlike infrared, you don't need to line up the devices to beam information with Bluetooth. If the devices are within a range of one another, you can exchange information between them, even if they are located in different rooms.

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

When the Bluetooth is turned on, you can use the Bluetooth features available. 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.

Turn Bluetooth On

1. From the **Tools** menu, select **Bluetooth**. The Bluetooth screen displays.
2. Press the **Turn On** soft key.
   - "**Bluetooth Power On**" pops-up in the display.
   - The blue Bluetooth On icon ( ) appears on the status bar.
   - The **SEARCH** button becomes highlighted in blue.



Turn Bluetooth Off

1. From the **Tools** menu, select **Bluetooth**. The Bluetooth screen displays.
2. Press the **Turn Off** soft key. "**Bluetooth Power Off**" pops-up in the display, the **SEARCH** button highlighting disappears, and the blue Bluetooth On icon ( ) disappears from the status bar.

Add New Device

Searching for Available Bluetooth Devices

1. From the **Tools** menu, select **Bluetooth**. The Bluetooth screen displays.
2. Place the Bluetooth device you want to pair with your device in discoverable mode. (See the device user manual for more information.)
3. Press the **SEARCH** button.



Note: If Bluetooth is off, it automatically turns on.

Your phone searches for available Bluetooth devices.

Named icons for available devices appear in the display.

Note: When more than 5 devices are detected, additional icons are placed on additional **Bluetooth** screen pages.

4. Identify the device you want to pair with your phone by selecting an icon.

The **Device Info** screen appears in the display, showing the selected device's name, Type, Status, and Address.

5. Return to the **Bluetooth** screen by pressing the **OK** soft key.
6. Press, hold, and slide the identified icon to overlap the **SEARCH** button. You are prompted to enter the passkey or PIN for the selected device.
7. Enter the device passkey or PIN and press the **Done** soft key. (See the device user manual for more information.) Pop-up messages appear and the **SEARCH** button and selected device icon are highlighted in blue to inform you that pairing with the device and connecting to it are complete.

Note: If you are pairing and connecting to another phone or to a personal computer, both devices prompt for a passkey or PIN. To successfully pair and connect your phone with the other device, the same passkey or PIN must be entered on both devices.

Paired Icons

The Bluetooth screen shows the icons for Bluetooth wireless technology devices paired with your handset.

1. From the **Tools** menu, select **Bluetooth**. Icons for registered Bluetooth devices appear in the display.



Connecting to a Bluetooth Device

1. In the **Bluetooth** screen, press, hold, and slide the icon for the preferred device to overlap the **SEARCH** button. The **SEARCH** button and the device icon flash and are highlighted in blue to indicate the connection is complete.
2. If you are unable to connect with the device a pop-up appears in the display. Press, hold, and slide the selected icon to overlap the **SEARCH** button again.

Disconnecting from a Bluetooth Device

1. In the **Bluetooth** screen, press the device icon. A device options list pops-up.
2. Select **Disconnect**. The device icon's blue highlighting disappears.

Managing Your Paired Icons

1. In the **Bluetooth** screen, press a device icon. A device options list pops-up. The following options appear in the display:
   - **Browse files**— Lets you browse files on the device.
   - **Send files**— Lets you send files to the device.
   - **Rename** — Lets you change or replace the device name, as needed.
   - **Remove** — Deletes the device from the Bluetooth screen.
   - **Service list** — Lists the Bluetooth services supported by your device.
   - **Device Info** — Shows the device name, Type of device, Status, and device Address.
2. Select the desired option.

Bluetooth Settings

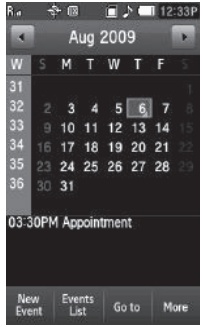
1. To access your phone's Bluetooth settings, in the **Bluetooth** screen, press the **Settings** soft key. The Phone Settings screen appears in the display showing the following options:
   - **My Phone's Name** — Shows your device's name. You may change this name. Just select the name and enter your text changes.

- **Discovery Mode** — Allows other Bluetooth devices to see your device as accessible. Select **On** for other devices to see your device, or **Off** for no visibility.
- **Address** — Shows the Bluetooth Address of your phone. (This address is not changeable.)

2. To save your changes, press the **Save** soft key. Press [ ] to discard your changes and return to the **Bluetooth** screen.

Calendar

Calendar lets you view the current, past, or future month in calendar format. While viewing the calendar, the current date is highlighted, and days with scheduled events are surrounded by a box.



Navigating the Calendar

1. From the **Tools** menu, select **Calendar**.

   The calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.

2. Use the following controls to display a particular month and to highlight a particular date in the Calendar screen:
   - **Left/Right buttons** — Moves the date and screen back/ahead one month per keypress.
   - **Goto soft key** — Select a particular date.

Add a New Event

1. From the **Tools** menu, select **Calendar**.

   The calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.

2. Highlight the desired date. (For more information, refer to *"Navigating the Calendar"* on page 95.)
3. Press the **New Event** soft key. The **New Event** screen appears in the display.
4. Enter the event **Title**. (For more information, refer to *"Entering Text"* on page 43.)
5. Select each of the following New Event options:
   - **Start Date** — Populated with highlighted Calendar date. Select the date this event begins.
   - **Start Time** — Populated with the current time (rounded to the nearest half-hour). Select the time this event begins.
   - **Alarm** — Select **Off** / **10 Mins Before** / **30 Mins Before** / **1 Hour Before** / **1 Day Before** / **1 Week Before** / **Customize** (select particular number of minutes, hours, or days before the Start Date and Start Time).

6. For additional New Event options, press the **Set Details** soft key.
   - **End Date** — Populated with highlighted Calendar date. Select the date this event ends.
   - **End Time** — Populated with a time one half-hour later that **Start Time**. Select the time this event ends.
   - **Details** — Add details about the event.
   - **Location** — Add location of the event.
   - **Alarm Tone** — Select a ringtone from My Ringtones, buy a ringtone on-line, or select a sound file from My Sounds. When you select a ringtone or sound, it plays.
   - **Repeat** — Select **Off** / **Every Day** / **Every Week** / **Every Month** / **Every Year**.
7. Press the Save soft key to save your additional details settings.
8. To store this Event in your Calendar, press the **Save** soft key. An alarm will notify you before the start of this Event, if **Alarm** is set to a value other than **Off**.

View/Change an Event

1. From the **Tools** menu, select **Calendar**.

   A calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.
2. Navigate to and select a desired date. (For more information, refer to *"Navigating the Calendar"* on page 95.) The calendar is replaced by the Daily View for the selected date, listing all events scheduled for this date.
3. Select an Event to view. The current settings for the selected Event appear in the display in a scrollable list.
   - To change the event details, press the **Edit** soft key. (For more information, refer to *"Add a New Event"* on page 95.)
   - To remove the event from the calendar, press the **Erase** soft key. (You are prompted to confirm the erasure.)
   - To return to the Daily View list, press .
4. For other options, press the **More** soft key. The following options appear in the display:
   - **Monthly View** — Returns you to the Calendar screen, showing the current month.
   - **Weekly View** — Returns you to the Calendar screen, showing the current week.
   - **Daily View** — Returns you to the Calendar screen, showing today's schedule.
   - **Erase** — Remove this event from the Calendar.
5. Select an option to invoke its function.

Memo Pad

Create notes and store them in Memo Pad. Notes that you create in Memo Pad can't be prioritized or assigned an alert. Return to Memo Pad anytime to review and edit your notes.



Create a Memo

1. From the **Tools** menu, select **Memo Pad**. A list of any stored Memos appears in the display.
2. To add a Memo, press the **New Memo** soft key. A blank **Memo** screen appears in the display.
3. Enter text for this Memo. (For more information, refer to *"Entering Text"* on page 43.)
4. When you're finished entering details for the Memo, press the **Done** soft key.
5. Press **Save**. The Memo is saved.
6. To discard this Memo, press **Erase**. You are prompted to confirm the erasure.

Review, Edit, Erase, and Send Memos

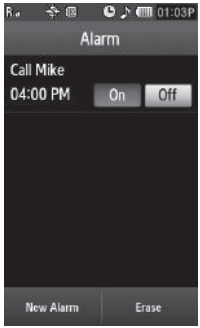
1. From the **Tools** menu, select **Memo Pad**. A list of any stored Memos appears in the display.
2. To review a Memo, select it. The text of the Memo appears in the display in a scrollable screen.
3. To edit a Memo, select it and press the **Edit** soft key. The Memo text appears in a text entry screen. (For more information, refer to *"Entering Text"* on page 43.)
   - To save your changes and return to the **Memo Pad** screen, press the **Done** soft key.
   - To discard your changes and exit Memo Pad, press **Erase**. You are prompted to confirm your wish to exit Memo Pad.
4. To erase a Memo, select it and press the **Erase** soft key. You are prompted to confirm the erasure.
5. To send a memo as a text message, select the memo, then press the **Send text message** soft key. The memo text appears in the Text Msg screen as part of the message text.

Alarm Clock

Your phone has three alarm clocks that you can set to go off once, or to recur daily at a specific time. Once set, an alarm clock is easy to change or turn off completely.

Note: The Alarm Clock doesn't function when the phone is turned off. If the time for an alarm that was set for Once has elapsed while the phone is off, the alarm sounds at the specified time on the next day.

Set an Alarm



1. From the **Tools** menu, select **Alarm Clock**. The **Alarm** screen appears in the display, listing any currently set alarms.
2. Press the **New Alarm** soft key. The following Alarm options appear in the display:
   - **Alarm Name** — Populated with the default name, **Alarm**. To change, select this field and enter a new name. (For more information, refer to *"Entering Text"* on page 43.)
   - **Alarm Time** — Populated with the current time. To change the time, select this field, select a new time, and press the **Set** soft key.
   - **Alarm Repeat** — Select the day(s) of the week (**Sun** – **Sat**) on which this alarm is to sound. The alarm will sound every week on the day(s) selected.
   - **Alarm Tone** — Populated with **Alert 1**. To change, select this field, select the preferred ringtone in the My Ringtones screen, then press the **Set** soft key.
   - **Alarm Volume** — Press and slide to set to the preferred volume.
   - **Snooze** — Select **On** to enable snooze timer for this alarm, then select values for the following options:
     - **Snooze Duration** — Select **1 min**, **2 min**, **3 min**, **5 min**, or **7 min**.
     - **Snooze Repeat** — Select **Once**, **Twice**, **3 Times**, **5 Times**, or **10 Times**.
3. When you're finished selection option values for the alarm, press the **Save** soft key. If the Alarm is set to **On**, the alarm icon ( ) appears in the top of the display.

When an Alarm Sounds

An animated alarm clock appears in the display and an alert sounds when the specified time for the alarm arrives.

- To silence the alarm, press and slide to **Snooze** (if shown) or **Stop**.

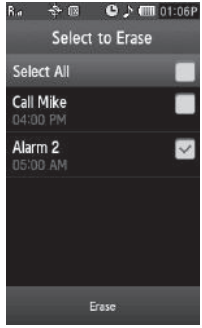
Note: If the alarm is set to repeat on one or more days, the alarm icon remains in the top of the display.

If the alarm was set as a once only alarm (no repeat day selected), the alarm icon disappears from the top of the display.

Turn Off an Alarm

1. From the **Tools** menu, select **Alarm Clock**. The **Alarm** screen appears in the display, listing any currently set alarms.
2. Press the **Off** button on the Alarm you wish to turn off.

Erasing an Alarm



1. From the **Tools** menu, select **Alarm Clock**. The **Alarm** screen appears in the display, listing any currently set alarms.
2. Press the **Erase** soft key. The **Select to erase** screen appears in the display.
3. Select the check box for the Alarm you want to remove from the list. A check mark appears in the selected box.
4. Press the **Erase** soft key. The selected Alarm is removed from the list.

World Time

World Time lets you set up to four clocks to the time of day or night in any of the 24 different time zones around the world.



Note: To use **World Time**, you need to subscribe to your Wireless Provider's digital service.

- From the **Tools** menu, select **World Time**. A list of your selected clocks appears in the display. The following icons appear in the list:


Indicates the clock set to your home (local) time.


Indicates your 2nd clock.

Note: Your Home and 2nd clocks also appear in the Clock widget. (For more information, refer to *"Widget"* on page 107.)

Setting a World Clock

The default home clock is set to the time in London, England and is labeled "**London**". To change this or another World Clock setting, do the following:



1. From the **Tools** menu, select **World Time**. A list of your current World Clocks appears in the display.
2. Select the clock you wish to set to a new time zone. The **Add City** screen appears in the display.
3. Press and slide the map until you see the city whose time you wish to select as this clock's new time.
4. Select the city. The displayed time changes to the time for the selected city.
5. Press the **Save** soft key. Your choice is saved and you are returned to the World Clock screen.

Enable Daylight Savings Time (DST)

1. While viewing the World Time map, press the DST ( ) soft key to toggle between standard time and daylight savings time.
2. Press the **Add** soft key to accept the highlighted setting. If the DST icon ( ) appears in the display, it indicates that Daylight Savings Time is enabled.

Adding a World Clock

1. From the **Tools** menu, select **World Time**. A list of your current World Clocks appears in the display.
2. Press the **Add** soft key. The **Add City** screen appears in the display.
3. Press and slide the map until you see the city whose time you wish to select as this clock's new time.
4. Select the city. The displayed time changes to the time for the selected city.
5. Press the **Add** soft key. Your choice is saved and you are returned to the World Clock screen.

Selecting Your 2nd Clock

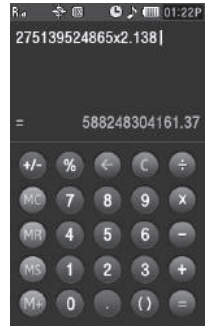
Your 2nd Clock and your Home Clock both appear in the Clock widget when you move it from the Widget Bar to the standby screen. By changing your 2nd Clock, you can quickly and easily keep track of the time in a new city and at home. (For more information, refer to *"Widget"* on page 107.)

1. From the **Tools** menu, select **World Time**. A list of your current World Clocks appears in the display.
2. Press the **Set as 2nd Clock** soft key.
3. Select the World Clock you prefer as your 2nd Clock. The 2nd check mark moves to your selection.
4. Press the **OK** soft key. Your selection is saved.



Calculator

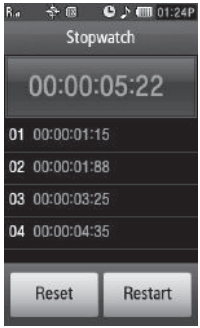
You can perform calculations, including addition, subtraction, multiplication, division, and percentages using your phone.



1. From the **Tools** menu, select **Calculator**. The Calculator screen appears in the display.
2. Enter the first number in your calculation using the calculator-style touch keypad. (Numbers can be up to 12 digits long, and can include a decimal point followed by up to 3 more digits.)
3. Select the desired operation. [You can nest calculations using parentheses "( )". To delete your last entry, press .]
4. Use the keypad to enter the second number for your calculation.
5. Press to perform the calculation and view the result.

Stop Watch

You can use this function to set a stop watch.



1. From the **Tools** menu, select **Stop Watch**. The **Stop Watch** screen appears in the display.
2. To start the Stop Watch count, press the **Start** soft key.
3. To record succeeding event/lap times, press the **LAP** soft key at the start of each succeeding event/lap to record the completion time for the previous event/lap. You can record up to eight event/lap times.
4. To stop the Stop Watch count, press the **Stop** soft key.
5. To resume the Stop Watch count, press the **Restart** key.
6. To erase all Stop Watch (lap) times recorded, press the **Reset** soft key.

Timer



This is a count down timer that can count down to an event up to 24 hours in the future and sound an alarm tone with the count down time reaches 00:00:00.

1. From the **Tools** menu, select **Timer**. The **Timer** screen appears in the display.
2. To set the Timer, select the time until the event in **Hrs**, **Min**, and **Sec**.
   - To start the Timer, press the **Start** soft key.
   - To stop the Timer, press the **Stop** soft key.
   - To reset the Timer to **00** : **00** : **00**, press the **Reset** soft key.

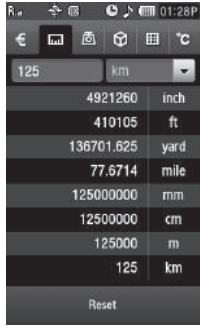
Converter

The conversion menu provides the following conversion categories:

- Currency
- Length
- Weight
- Volume

- Area
- Temperature

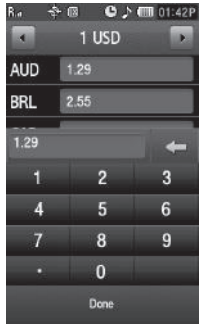
Using Converters



To convert a currency, length, weight, volume, area, or temperature, do the following:

1. From the **Tools** menu, select **Converter**. The following list of converters appears in the display:
   - **Currency**
   - **Length**
   - **Weight**
   - **Volume**
   - **Area**
   - **Temperature**
2. Select the conversion feature you wish to use.
3. Press the down arrow key and select the units to be converted from.
4. Enter the quantity you want converted in the field at the top of the screen. The converted quantities appear opposite their respective units of measure.

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:

1. From the **Tools** menu, select **Converter → Currency**.
2. Press the **View Rates** soft key. A list of exchange rates appears in the display.
3. Select the exchange rate you wish to change.
4. Enter the changed exchange rate value.
5. Press the **Done** soft key to save the changed exchange rate.

Currency — Adding Exchange Rates



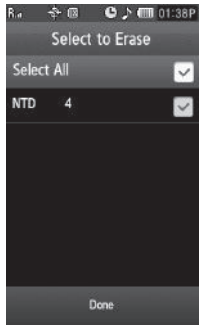
You can use the Currency Converter to convert from and to obscure currencies by adding exchange rates for these currencies. To add a currency and its exchange rate to the Currency Converter, do the following:

1. From the **Tools** menu, select **Converter → Currency**.
2. Press the **View Rates** soft key. A list of exchange rates appears in the display.
3. Use the left and right arrow buttons at the top of the list to display the base currency for the new exchange rate.
4. Press the **Add Rates** soft key. A new line containing blank exchange rate fields appears at the bottom of the exchange rates list.
5. Select the currency identifier field.
6. Enter an identifier of up to 4 characters for the new currency. (For more information, refer to *"Entering Text"* on page 43.)
7. Highlight the exchange rate field.
8. Enter a decimal exchange rate for the new currency using the keypad.

Note: The **Exchange Rate** field only accepts up to five digits after the decimal point.

9. To add the new exchange rate to the list, press the **Done** soft key.

Currency — Erasing Exchange Rates



You cannot erase the preloaded currencies from the Exchange Rate list. You can erase a currency that you have added to the list by doing the following:

1. From the **Tools** menu, select **Converter → Currency**.
2. Press the **View Rates** soft key. A list of exchange rates appears in the display.
3. Select the user-added currency exchange rate to be erased.

4. Press the **Erase Rates** soft key. The **Erase** screen appears in the display.

Note: The **Erase Rates** soft key is undefined for preloaded Exchange Rates. This prevents you from erasing them.

5. Highlight the exchange rates that you want to erase, or highlight **Select All** to erase all the exchange rates that you have added.
6. Press the **Done** soft key.

Length

1. From the **Tools** menu, select **Converter → Length**.
2. From the pull-down menu, select the type of length measurement you want to convert.
3. Tap the entry field to the left of the pull-down menu and enter the number using the keypad.
4. Press **Done**. The equivalent lengths for each measurement appear in the display.
5. Press **Reset** to clear the numeric fields.

Weight

1. From the **Tools** menu, select **Converter → Weight**.
2. From the pull-down menu, select the type of weight measurement you want to convert.
3. Tap the entry field to the left of the pull-down menu and enter the number using the keypad.
4. Press **Done**. The equivalent weights for each measurement appear in the display.
5. Press **Reset** to clear the numeric fields.

Volume

1. From the **Tools** menu, select **Converter → Volume**.
2. From the pull-down menu, select the type of volume measurement you want to convert.
3. Tap the entry field to the left of the pull-down menu and enter the number using the keypad.
4. Press **Done**. The equivalent volume for each measurement appear in the display.
5. Press **Reset** to clear the numeric fields.

Area

1. From the **Tools** menu, select **Converter → Area**.
2. From the pull-down menu, select the type of area measurement you want to convert.
3. Tap the entry field to the left of the pull-down menu and enter the number using the keypad.
4. Press **Done**. The equivalent area for each measurement appear in the display.

5. Press **Reset** to clear the numeric fields.

Temperature

1. From the **Tools** menu, select **Converter → Temperature**.
2. From the pull-down menu, select the type of temperature measurement you want to convert.
3. Tap the entry field to the left of the pull-down menu and enter the number using the keypad.
4. Press **Done**. The equivalent temperature for each measurement appear in the display.
5. Press **Reset** to clear the numeric fields.

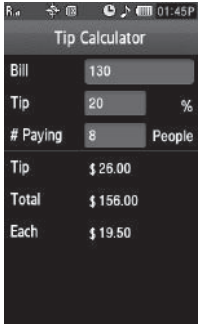
Tip Calculator

Tip Calculator automatically calculates the following amounts:

- Gratuity (tip)
- Individual payment (for groups)

Calculations are based on the total amount of the check, a selected gratuity percentage, and the number of people paying.

1. From the **Tools** menu, select **Tip Calculator**. The **Tip Calculator** screen appears in the display.



2. Select the **Bill** field and enter the total amount of the bill.
3. Select the **Tip** field and enter a tip percentage.
4. Select the **# Paying** field and enter the number of persons paying using the keypad.
5. The amount of the **Tip**, the bill **Total**, and the amount **Each** person should pay appear in the lower half of the screen.

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

Settings Menu

▶ To access the **Settings** menu, select **Menu → 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.

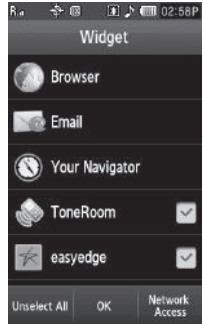
1. From the **Settings** menu, select **Location**. The following options appear in the display:
   - **On** — GPS location setting is on whenever you make or receive a call, wherever the feature is available.
   - **Off** — GPS location setting is on only when you dial 911.
2. Select the desired Location setting. You're returned to the **Settings** menu.

Widget

This function lets you select which optional widgets appear in the Widget Bar.

For more information, refer to *"Using Widgets"* on page 29.

1. From the **Settings** menu, select **Widget**. The following options appear in the display:
   - **Browser**
   - **Email**
   - **Your Navigator**
   - **ToneRoom**
   - **easy**edge
   - **My Stuff**
   - **Accuweather**
   - **MySpace**
   - **Facebook**
   - **Google Search**
   - **twitter**



- **YouTube**
- **MSNBC**
- **Access Hollywood**
- **Send Message**
- **Top 5 Contacts**
- **Mini Player**
- **Images**
- **Calculator**
- **Clock**
- **Calendar**
- **Date**
- **Alarm**
- **Sketchpad**
- **Help**

2. To enable/disable a particular widget, select the associated option in the **Widget** screen. A check mark appears in/disappears from the option's check box.
3. To enable/disable all available widgets, select **Select All**/**Unselect All**. A check mark appears in/disappears from all the options' check boxes.
4. To save your new settings, select **OK**. You are returned to the **Settings** menu.

Network Access

To operate properly, the following online Widgets require access to your Wireless Provider's network:

- **AccuWeather**
- **Google Search**
- **MSNBC**
- **Access Hollywood**

1. From the **Settings** menu, select **Widget**. The **Widget** screen appears in the display.
2. Press the **Network Access** soft key. The Network Access screen appears in the display.
3. Select the **Activation** → **On** setting.
4. Press the **OK** soft key.

AccuWeather Setup

The AccuWeather Widget, by default, indicates weather conditions in Washington, D.C. To change the AccuWeather Widget display to another location, do the following:

1. Drag the AccuWeather Widget ( ) to one of the three home screens. The AccuWeather Widget becomes active, as shown.



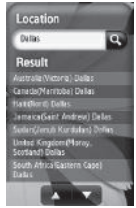
2. Press the weather display, and the detailed AccuWeather information pop-up appears in the display.



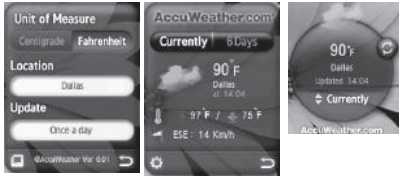
3. To change the AccuWeather settings, press the Settings icon in the lower left corner of the pop-up. The AccuWeather Settings pop-up appears in the display.
4. To change the location of the weather, press the **Location** field. A Location search pop-up appears in the display.



5. Press the **Location** field. A text entry screen appears in the display.
6. Enter the new location name and press **Done**. The Location search pop-up re-appears with the new name in the **Location** field.
7. Press the Search button ( ). The search results appear as an extension to the Location search pop-up.



8. Use the arrow buttons at the bottom of the list to find the desired location, then press it. The AccuWeather Settings pop-up re-appears in the display with the selected location populating the **Location** field.
9. Press the Save icon in the lower left corner of the AccuWeather Settings pop-up. The detailed AccuWeather information pop-up appears in the display with weather information from the new location.



10. Press the back arrow key in the lower right corner of the pop-up. The updated AccuWeather widget appears in the display.

Display Settings

Using the **Display** menu, you can set the menu style, set the Standby mode animation, customize the backlight settings, and more.

1. From the **Settings** menu, select **Display Settings**. The following options appear in the display:
   - **Wallpaper** — Lets you choose the picture(s) that display(s) on your phone when in Standby mode.
   - **Banner** — Lets you create your own personalized greeting that appears in the display when your phone is in Standby mode.
   - **Backlight** — Lets you set backlight duration and brightness for your phone's front display.
2. Select the desired sub-menu. The following sections describe the Display sub-menus in greater detail.

Wallpaper

Wallpaper lets you choose the pictures that appear as backgrounds in the three pages of your phone's display while in Standby mode.

1. From the **Settings** menu, select **Display Settings** ➔ **Wallpaper 1** / **2** / **3** ➔ **Wallpaper**. A scrollable list of thumbnail images appears in the display.
2. Press the radio button to the right of a preferred picture or image to display when the phone is in Standby mode. The blue dot moves to this button.
3. To save your choice and return to the **Display Settings** menu, press the **Set** soft key.

Banner

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

1. From the **Settings** menu, select **Display Settings** ➔ **Banner**. The **Banner** screen appears in the display.

Note: If necessary, press and hold [ ] to erase an existing banner.

2. Select the **Banner** field and enter a word or short phrase (up to 32 characters) to appear in your phone's display while in Standby mode. (For more information, refer to *"Entering Text"* on page 43.)
3. Select the preferred Display setting: **On** (banner displays), **Off** (banner does not display).
4. Press the **Save** soft key to save the new/changed banner and return to the **Display Settings** menu.

Backlight

Set the duration and brightness of the backlight on your device.

Backlight Time

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

Note: Prolonged backlight use drains your battery faster.

1. From the **Settings** menu, select **Display Settings** ➔ **Backlight** ➔ **Backlight Time**. The following options appear in the display:
   - **7 Seconds**
   - **15 Seconds**
   - **30 Seconds**
   - **Always On** (this setting uses much more power than the timed settings)
   - **Always Dim** — Display is always on, but at reduced brightness.
2. Select the desired Backlight Time setting.

Brightness

Brightness lets you adjust the brightness of the backlight.

1. From the **Settings** menu, select **Display Settings** ➔ **Backlight** ➔ **Brightness**. The **Brightness** screen appears in the display.
2. To adjust the backlight brightness, press, hold, and slide the **Level** button left or right.
3. To save your new setting, press the **Save** soft key.

Sounds Settings

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

Volume

Volume lets you adjust the loudness of the sounds your device produces.

1. From the **Settings** menu, select **Sounds Settings** ➔ **Volume**. The Volume screen appears in the display showing the following options:
   - **Master Volume** — Controls the loudness of all phone sounds.
   - **Messages Volume** — Controls the loudness of the ringtone played for incoming messages.
   - **Touch Volume** — Controls the loudness of the tones produced when you touch the screen.



2. Select the volume option you want to change. The associated Volume screen appears in the display.

3. Select the preferred Volume setting:

- **High**
- **Medium/High**
- **Medium**
- **Low/Medium**
- **Low**
- **1 beep**
- **Vibrate only**
- **Alarm only**
- **Silence All**

4. To preview your new setting, press the **Play** soft key. To end the preview, press the **Stop** soft key.
5. To retain your setting, press the **Set** soft key. Your are returned to the **Volume** screen.
6. To save your new settings and return to the **Sound Settings** menu, press the **OK** soft key.

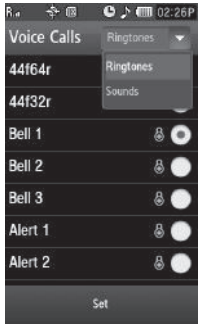
Ringer Type

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

1. From the **Settings** menu, select **Sounds Settings → Ringer Type**.

   The following options appear in the **Ringer Type** display:

   - **Voice Calls** — Lets you set which ringtone, sound file, and/or one of a set of ringtones and/or sound files plays when you receive a voice call.
   - **Text Message** — Lets you set which ringtone or sound file plays when you receive a Text Message.
   - **Pic/Video Message** — Lets you set which ringtone or sound file plays when you receive a Picture Message or Video Message.
   - **Voicemail** — Lets you set which ringtone or sound file plays when you receive a Voicemail message.
2. Select the desired option. A related, scrollable ringtones list appears in the display.
3. To assign a ringtone to the selected option, select a ringtone in the list.
4. To assign a sound file to the selected option:
   - Press the down arrow in the upper right corner of the screen.
   - Select **Sounds**. A sound files list appears in the display.
   - Select the preferred sound or record a new sound by pressing the **Record New** soft key. (For more information, refer to *"Voice Memo"* on page 86.)



5. To retain your selection and return to the **Ringer Type** screen, press the **Set** soft key.
6. To save your new ringer settings and return to the **Sound Settings** menu, press the **OK** soft key.

Alerts

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.

1. From the **Settings** menu, select **Sounds Settings** ➔ **Alerts**.

   The following Alerts options appear in the display:

   - **Minute Beep** — Sounds an alert ten seconds before each elapsed minute of a call.
   - **Roaming** — Sounds an alert when you leave your home service area during a call.
   - **Call Connect** — When you make a call, an alert sounds when the call is answered.
   - **Power On** — Plays a melody when the phone is being turned on.
   - **Power Off** — Plays a melody when the phone is being turned off.
2. Select the desired Alert option setting (**On** or **Off**).
3. To save your new alert settings and return to the **Sound Settings** menu, press the **OK** soft key.

Key Tone

DTMF Tone Length lets you select the length of the DTMF tones that the device sends when dialing.

1. From the **Settings** menu, select **Sounds Settings** ➔ **Key Tone**. The following options appear in the display:

   - **Tone Level** — Set Key Tone level to **High**, **Medium/High**, **Medium**, **Low/Medium**, **Low**, or **Silence**.
   - **Tone Length**:
     - **Short** — Default setting.
     - **Long** — Select this option if you experience frequent misdialed numbers.
2. To save your new setting and return to the **Sound Settings** menu, press the **OK** soft key.

Vibrating Alert

Vibrating Alert lets you set your phone to vibrate in sync with ringtones and melodies your phone plays.

1. From the **Settings** menu, select **Sounds Settings** ➔ **Vibrating Alert**.
2. Select **On** or **Off**. You are returned to the **Sound Settings** menu.

Call Settings

Call Answer

You can select a specific answer mode when you receive an incoming call.

1. From the **Settings** menu, select **Call Settings** ➔ **Call Answer**.

   The following call answer settings appear in the display:

- **Any Key** — Press any key except the  or Left soft key to answer an incoming call.
- **Send Key** — Press  to answer an incoming call.

Tip: You can set your phone to answer calls automatically, without any input from you. (For more information, refer to *"Auto Answer"* on page 114)

2. Select the desired call answering method and press the **OK** soft key to save your selection.

Call Alert

1. From the **Settings** menu, select **Call Settings → Call Alert**. The following Call Alert settings appear in the display:
   - **Ring Only** — Phone rings for an incoming call.
   - **Caller ID + Ring** — Phone rings and the display shows caller ID for an incoming call.
   - **Name Repeat** — Phone repeats displaying Contact name or caller ID.
2. Select the desired call alerting method and press the **OK** soft key to save your selection.

Auto Answer

With Auto Answer enabled, your phone automatically answers calls after a period of time that you select.

1. From the **Settings** menu, select **Call Settings → Auto Answer.** The following settings appear in the display:
   - **Off** — Disables automatic answering of calls
   - **After 1 Second** — Phone automatically answers calls after 1 second
   - **After 3 Seconds** — Phone automatically answers calls after 3 seconds
   - **After 5 Seconds** — Phone automatically answers calls after 5 seconds
2. Select the desired call automatic answering setting and press the **OK** soft key to save your selection.

Speed Dial

Speed Dial lets you disable the speed dialing function. (For more information, refer to *"Speed Dial Numbers"* on page 40.)

1. From the **Settings** menu, select **Call Settings → Speed Dial.**
   - **On** — Enables the speed dial keys.
   - **Off** — Disables the speed dial keys.
2. Select the desired setting and press the **OK** soft key to save your selection.

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.

1. From the **Settings** menu, select **Call Settings → Auto Retry**. The following settings appear in the display:

- **Off** — Disables automatic re-dialing of numbers
- **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

2. Select the desired setting and press the **OK** soft key to save your selection.

TTY Mode

Your phone is fully compatible with TTY equipment used by those who are hearing impaired. TTY equipment is connected to your phone through the headset connector on the top of the phone. TTY Mode must be enabled before you can use your phone with a TTY device.

1. From the **Settings** menu, select **Call Settings ➔ TTY Mode**. You are prompted to confirm you want to change the current TTY Mode setting.

Note: The "**Enabling TTY may Impair Headset Use and Non-TTY Accessory Performance.**" message pops up when you select **TTY Mode**.

2. To access the TTY Mode settings, press the **Yes** soft key. To return to the **Call Settings** sub-menu, press the **No** soft key.
3. If you press the **Yes** soft key, 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.
4. Select the desired TTY Mode setting and press the **OK** soft key to save your selection.

Voice Privacy

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

1. From the **Settings** menu, select **Call Settings ➔ Voice Privacy.** The following options appear in the display:
   - **Standard** — Voice privacy is disabled
   - **Enhanced** — Voice privacy is enabled
2. Select the desired Voice Privacy setting and press the **OK** soft key to save your selection.

Hearing Aid Mode

Hearing Aid Mode enable or disable your phone's Hearing Aid Compatibility (HAC) support.

1. From the **Settings** menu, select **Call Settings ➔ Hearing Aid**

Mode. The following options appear in the display:

- **On**
- **Off**

2. Select the desired hearing aid mode setting and press the **OK** soft key to save your selection.

Phone Settings

Airplane Mode

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

1. From the **Settings** menu, select **Phone Settings** ➔ **Airplane Mode**.The following settings 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. Select the desired Airplane Mode setting and press the **OK** soft key to save your selection. **"Will disable all Incoming and Outgoing Calls?"** displays in a pop-up message. Select **Yes** to enable airplane mode, or **No** to return to menu.

Language

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

1. From the **Settings** menu, select **Phone Settings** ➔ **Language**. The following settings appear in the display:
   - **English**
   - **Español**
2. Select the desired Language setting and press the **OK** soft key to save your selection.

Vibration Feedback

When set to **On**, Vibration Feedback causes your phone to vibrate as well as play a tone when you press a key, button, or field on the phone to assure you that your screen press is recognized.

1. From the **Settings** menu, select **Phone Settings** ➔ **Vibration Feedback**.The following options appear in the display:
   - **Activation**
     - **On** — Enables vibration feedback.
     - **Off** — Disables vibration feedback.
   - **Vibration intensity** — Push and slide left and right (**1** – **5**).
2. Select the desired Vibration Feedback settings and press the **Save** soft key to save your selection.

Auto Screen Lock

When set to **On**, Auto Screen Lock feature allows you to lock your screen to prevent unintentional dialing.

1. From the **Settings** menu, select **Phone Settings** ➔ **Auto**

Screen Lock.The following options appear in the display:

- **On** — The touch screen is locked when the time set for the backlight has passed.
- **Off** — The touch screen remains active whether or not the backlight is on.

2. Select the desired setting and press the **OK** soft key to save your selection.
3. If the **On** option is selected, pressing and holding the **LOCK** key (⓪) activates the touch screen.

   If the **Off** option is selected, the touch screen is always activated unless you press the **LOCK** key (⓪).

Security

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

1. From the **Settings** menu, select **Phone Settings** ➔ **Security**. You're prompted to enter the lock code.

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

2. Select the lock code field, enter the lock code, and press the **OK** soft key. The **Security** sub-menu appears in the display.

Lock Phone

Locking the phone limits all outgoing calls except calls to 911 emergency and the three user-programmable emergency numbers. You can lock the phone manually during use, or set the phone to lock automatically when it is turned on. With the phone in lock mode, you can answer incoming calls, but you must unlock the phone to place outgoing calls (except to emergency and secret numbers).

1. From The **Security** sub-menu, select **Lock Phone**. The following phone Lock mode settings appear in the display:
   - **Lock** — Locks the phone immediately (The phone stays locked until you enter the lock code.)
   - **Unlock** — 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. Select the desired phone Lock mode setting and press the **OK** soft key to save your selection.

Tip: You can manually lock your phone by pressing ⓪. (For more information, refer to *"Lock Mode"* on page 14.)

Change Lock Code

The default lock code for your phone is generally the last four digits of your phone number. It is advisable to change the default lock code to a secret code for security purposes.

1. From The **Security** sub-menu, select **Change Lock Code**. You're prompted to enter the new lock code.
2. Enter the new lock code and press the **OK** soft key. You're prompted to re-enter the new lock code for verification.
3. Enter the new lock code again and press the **OK** soft key. Your new Lock Code is stored.

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

Emergency

Your phone provides the option of storing three emergency numbers. Each number can be up to 32 digits in length. All emergency numbers can be manually called at any time, even when your phone is locked or restricted. This can be a useful feature for controlling outgoing calls from your phone.

Note: Emergency number 911 is hard-coded into your phone. You can dial this number any time, even when the phone is locked or restricted. If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

Important!: Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important!: DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Remember to always turn your phone on and check for adequate signal strength before placing a call.

Store Emergency Numbers

1. From The **Security** sub-menu, select **Emergency #**.
2. Select from the three emergency number entries.
3. Enter an emergency number (up to 32 digits in length), then press the **Done** soft key.

Call Emergency Numbers in Lock Mode

1. In Standby mode, enter the emergency number.
2. Press to place the call.

Emergency Ringback

Emergency Ringback lets you enable or disable the alert tone your phone plays during an Emergency call.

Tip: This feature can be valuable during emergency situations, such as, a home invasion. Disabling the Emergency call alert tone can prevent a home invader from locating you by means of that tone.

1. From The **Security** sub-menu, select **Emergency Ringback**. The following options appear in the display:
   - **On** — Your phone plays an audible alert tone during Emergency calls.
   - **Off** — Your phone does not play an audible alert tone during Emergency calls, but does vibrate.
2. Select the desired Emergency Ringback setting.

Master Reset

Reset Phone returns all Settings to their factory default values.

1. From The **Security** sub-menu, select **Master Reset**. You are prompted to confirm that you want to restore default settings (except for the Contacts and Voice Dial).
2. To return to the **Security** sub-menu without resetting the phone, press **No**. To restore default settings, press **Yes**.

Erase All Contacts

Erase memory erases your Contacts and Group information (except Default). This feature is useful if you want to give your phone to someone else.

1. From The **Security** sub-menu, select **Erase All Contacts**. You are prompted to confirm erasure of all Contacts entries.

Note: This procedure does not delete your Photo Gallery. The Photo Gallery needs to be deleted separately.

2. To erase all entries, press **Yes**. To keep the current entries and return to the **Security** sub-menu, press **No**.

Restrictions

Restrictions lets you restrict the use of your phone for outgoing calls, incoming calls, and calls placed from your Contacts.

1. From The **Security** sub-menu, select **Restrictions**. The following options appear in the display:
   - **Calls** — Lets you restrict the following call types:
     - **Incoming** — Lets you Allow All incoming calls, Allow incoming calls only from Contacts, or Allow None (No incoming calls).
     - **Outgoing** — Lets you Allow All outgoing calls, Allow outgoing calls only to Contacts, or Allow None (No outgoing calls).
   - **SMS Messages** — Lets you restrict the following Text message types:
     - **Incoming** — Lets you Allow All incoming Text messages or Allow None (No incoming Text messages).
     - **Outgoing** — Lets you Allow All outgoing Text messages or Allow None (No outgoing Text messages).
   - **MMS Messages** — Lets you restrict the following Picture and Video message types:

– **Incoming** — Lets you Allow All incoming Picture and Video messages or Allow None (No incoming Picture and Video messages).

– **Outgoing** — Lets you Allow All outgoing Picture and Video messages or Allow None (No outgoing Picture and Video messages).

- **IP Connection** — Lets you Allow All data connections or Allow None (No data connections).

2. Select the desired Restriction setting(s).

NAM Selection

The Network menu allows you to select **NAM** (Number Assignment Module) settings for your phone. You can store two **NAM** settings, which are essentially telephone numbers, for your phone.

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

System Select

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

1. From the **Settings** menu, select **Phone Settings** ➔ **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 digital system is acquired.
2. Select the preferred roaming option, then press the **OK** soft key.

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.

With **Airplane Mode** set to **On**, this function is enabled. In digital service mode, setting **Airplane Mode** to **Off** also disables Set Time. (For more information, refer to *"Airplane Mode"* on page 116.)

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1. From the **Settings** menu, select **Phone Settings** ➔ **Set Time**. The following options appear in the display:
   - **Set Date**
   - **Set Time**
2. Select the desired option.
   - For **Set Date**, the **Set Date** screen appears in the display.
     – Use the up and down arrow buttons to select the current date.

– Press the **OK** soft key to save your date setting.

- For **Set Time**, the **Set Time** screen appears in the display.
  - Use the up and down arrow buttons to select the current time.
  - Press the **OK** soft key to save your time setting.

Touch Sensitivity

Touch Sensitivity lets you adjust how much pressure you must apply to the screen for the device to react.

1. From the **Settings** menu, select **Phone Settings** ➔ **Touch Sensitivity**. The Touch Sensitivity screen appears in the display.
2. Press, hold, and slide the **Touch Here** button left or right to adjust the screen's responsiveness to your touch (**1** – **5**).
3. Test your setting by applying pressure to the **Touch Here** button until it responds.
4. If desired, repeat steps 3 and 4 until the Touch Sensitivity setting is acceptable.
5. To save your new setting, press the **Save** soft key.

Calibration

Calibration lets you adjust the screen's ability to correctly locate your touch. This should be done only if the device does not appear to be responding properly to on-screen touches.

Important!: For this calibration process to complete successfully, it is recommended that you use the stylus to accurately set the new calibration touch points.

1. From the **Settings** menu, select **Phone Settings** ➔ **Calibration**. The **Calibration** screen appears in the display.
2. To begin calibration of the screen, press the **OK** soft key. A series of five crosses appear in the screen.
3. To calibrate the screen, press the center of each cross in turn.

PC Connection

Lets you select the default type of PC connection you wish to use to exchange files between a PC and your r850.

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

1. At the **Phone Settings** sub-menu, select **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 8.)

- **No Connection** — This option blocks your r520 from connecting with a PC.

2. Select the preferred PC Connection type.

Gesture

The Gesture settings let you enable or disable specific reactions to your movements of the phone.

1. From the **Settings** menu, select **Phone Settings** ➔ **Gesture**. The following options appear in the display:
   - **Mute Event** — When set to **On** (the default value), you can mute an incoming event by turning the phone face down.
   - **Widget Reset** — When set to **On** (the default value), you can return all Widgets placed on the Standby screen pages to the Widge Bar by opening it and shaking the phone.
2. Select the desired Gesture setting(s).

Memory Manager

Memory Manager lets you quickly and easily review and manage your phone memory usage. To access **Memory Manager**, do the following:

▶ From the **Settings** menu, select **Memory Manager**. The following options appear in the display:
- **Phone Memory Usage** — Lets you review your phone's used and available memory.
- **Card Memory Usage** — Lets you review a removable Memory Card's used and available memory.
- **Save Options** — Lets you specify whether your images and videos will be stored in your phone or on an optional Memory Card.
- **Phone Memory** — Lets you review your phone's available memory and manage your files stored there.
- **Card Memory** — Lets you review a removable Memory Card's available memory, manage your files stored there, and format new Memory Cards.

Phone Memory Usage

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

1. From the **Settings** menu, select **Memory Manager** ➔ **Phone Memory Usage**. The **Phone Memory Usage** screen appears in the display showing the following information:
   - **Total Used** memory usage
   - **Available** unused memory
   - **Images** memory usage
   - **Videos** memory usage
   - **Ringtones** memory usage
   - **Sounds** memory usage
   - **Applications** memory usage
   - **Pic/Video Msg** memory usage
2. Press the **OK** soft key to return to the **Memory Manager** menu.

Card Memory Usage

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

1. From the **Settings** menu, select **Memory Manager** ➔ **Card Memory Usage**. The Card Memory Usage screen appears in the display showing the following information:
   - **Total Used** memory usage
   - **Available** unused memory
   - **Images** memory usage
   - **Videos** memory usage
   - **Music** memory usage
   - **Other** memory usage
2. Press the **OK** soft key to return to the **Memory Manager** menu.

Save Options

Lets you specify where you want your images and videos stored. To access **Save Options**, do the following:

1. From the **Settings** menu, select **Memory Manager** ➔ **Save Options**. The following file type options appear in the display:
   - **Images**
   - **Videos**
   - **Music**
2. Select the desired file type. The following storage options appear in the display:
   - **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.
3. Select the desired storage location.
4. Press **Save** to save your selection and return to the **Memory Manager** menu.

Phone 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.

1. From the **Settings** menu, select **Memory Manager** ➔ **Phone Memory**. The **Phone** screen appears in the display listing files in the **Images** folder.
2. Press the down arrow button. The following options drop down:
   - **Images**
   - **Videos**
   - **Ringtones**
   - **Sounds**

3. Select the desired option. 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 of each file.

4. To erase files, do the following:
   - Press the **Erase** soft key. The **Select to erase** screen appears in the display.
   - Select the check box for a file you want to erase to mark the file for erasure. (Press the **Select All** check box to mark all files for erasure.)
   - Press the **Erase** soft key. You are prompted to confirm erasure of the selected file(s).
5. To move files to the Memory Card, do the following:
   - Press the **Move** soft key. The **Select to move** screen appears in the display.
   - Select the check box for a file you want to move to mark the file for removal to the Memory Card. (Press the **Select All** check box to mark all files for removal.)
   - Press the **Move** soft key. You are prompted to confirm removal of the selected file(s).
6. Press [ ] to return to the **Memory Manager** menu.

Card 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.

1. From the **Settings** menu, select **Memory Manager → Card Memory**. The **Card** screen appears in the display listing files in the **Images** folder.
2. Press the down arrow button.

   The following options drop down:
   - **Images**
   - **Videos**
   - **Music**
   - **Other**
3. Select the desired option. 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 of each file.

4. To erase files, do the following:
   - Press the **Erase** soft key. The **Select to erase** screen appears in the display.

- Select the check box for a file you want to erase to mark the file for erasure. (Press the **Select All** check box to mark all files for erasure.)
- Press the **Erase** soft key. You are prompted to confirm erasure of the selected file(s).

5. To move files to Phone Memory, do the following:
   - Press the **Move** soft key. The **Select to move** screen appears in the display.
   - Select the check box for a file you want to move to mark the file for removal to Phone Memory. (Press the **Select All** check box to mark all files for removal.)
   - Press the **Move** soft key. You are prompted to confirm removal of the selected file(s).
6. Press  to return to the **Memory Manager** menu.

Formatting a Memory Card

Formatting a microSD Memory Card erases any data currently on the card and creates multimedia directories compatible with your phone. To format a Memory Card, do the following:

1. From the **Settings** menu, select **Memory Manager** ➔ **Card Memory**. The **Card** screen appears in the display.
2. Press the **Format** soft key. You are prompted to confirm formatting of the Memory Card.
3. To format the Memory Card, press **Yes**. To return to the **Card** screen without formatting the Memory Card, press **No**.

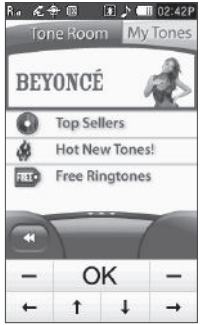
Section 15: Toneroom

Toneroom is a pre-loaded application that lets you access your Wireless Carrier's on-line source for real music ringtones.

Accessing Toneroom

- In Standby mode, press the **Menu** soft key, then select **Toneroom**. The **Tone Room** home page appears in the display.

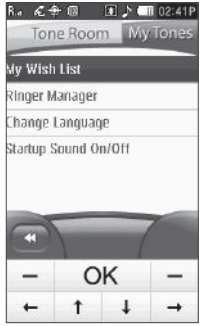
  Follow the links on the Tone Room home page to find, purchase (if needed), and download ringtone files.



Managing Your Tones

- In the **Tone Room** home page, selet the **My Tones** tab. The **My Tones** page appears in the display.

For more information about Tone Room, contact your Wireless Provider.



This section explains Phone Info options that let you identify the hardware and software versions of your phone and let you identify the phone number assigned to your phone.

Phone Number

This option causes the Phone Number screen to appear in the display and show the ten-digit number assigned to your phone by your Wireless Provider.

1. In Standby mode, press the **Menu** soft key, then select **Phone Info → Phone Number**. The phone number assigned by your Wireless Provider appears in the display.
2. To return to the **Phone Info** menu, press .

Icon Glossary

This option causes the **Icon Glossary** list to appear in the display and show the icons that can appear in the display and the names of the icons.

1. In Standby mode, press the **Menu** soft key, then select **Phone Info → Icon Glossary**. A list shows of the icons that can appear on the top line of the display.
2. To return to the **Phone Info** menu, press .

Version

You can view both the software and hardware version of your phone using this feature. This feature is helpful if you need to contact Customer Service.

1. In Standby mode, press the **Menu** soft key, then select **Phone Info → Version**.

   Your phone's hardware and software version information appears in the display.
2. To return to the **Phone Info** menu, press .

ESN / MEID

You can view both the Electronic Serial Number (ESN) and the Mobile Equipment Identifier (MEID) of your phone using this feature. This feature is helpful if you need to contact Customer Service.

1. In Standby mode, press the **Menu** soft key, then select **Phone Info → ESN /MEID**.

   Your phone's ESN/MEID information appears in the display.
2. To return to the **Phone Info** menu, press .

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

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

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

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

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

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

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

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

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that

contains no metal and that positions the handset a minimum of 1.5 cm from the body.

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

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

CDMA:

- Head: 0.667 W/Kg.
- Body-worn: 0.637 W/Kg.

PCS:

- Head: 1.03 W/Kg.
- Body-worn: 0.591 W/Kg.

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

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

Warning Regarding Display

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

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile phones and genuine Samsung accessories.

Go to: https://fun.samsungmobileusa.com/recycling/index.jsp for more information.

UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

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

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they

can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be

repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures.

However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists.

Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important

questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000.

They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims.

According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (Updated 12/1/2006):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/

- Environmental Protection Agency (EPA): http://www.epa.gov/radiation/
- Occupational Safety and Health Administration's (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/index.html
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/homepage.html
- World Health Organization (WHO): http://www.who.int/peh-emf/
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de
- Health Protection Agency: http://www.hpa.org.uk/radiation
- US Food and Drug Administration: http://www.fda.gov/cellphones

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.ctia.org.

Important!: If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

Provided by the Cellular Telecommunications & Internet Association.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations.

Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing.

Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

You should follow some commonsense recommendations when using any portable audio device:

- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: http://www.audiology.org

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet: http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: http://www.cdc.gov

1-888-232-6348 TTY

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless phone and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the phone more than six (6) inches from their implantable medical device when the phone is turned ON;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless phone with such a device, consult your health care provider.

For more information see:

http://www.fcc.gov/oet/rfsafety/rf-faqs.html

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

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

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

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

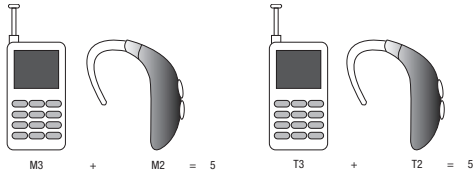
The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate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

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

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

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

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



In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

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

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. 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  key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association:

NFPA (National Fire Protection Agency)

1 Batterymarch Park

Quincy, Massachusetts

USA 02169-7471

Internet: http://www.nfpa.org

Cautions

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

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

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

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to Standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call. For more information, refer to *"Turn Bluetooth On/Off"* on page 92.
- If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.
- Do not hold, bend or twist the phone's antenna, if applicable.
- Do not use the phone if the antenna is damaged.
- If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Do not modify or remanufacture the battery as this could result in serious safety hazards.

- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage, or other serious hazard.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.

- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada.

This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service

facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. 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 leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG.

If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

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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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