

# **SCH-R311 Series**

**P O R T A B L E   D U A L - B A N D  
M O B I L E   P H O N E**

**User Manual**

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



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## Section 1: Getting Started

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This section explains how to start using your Samsung SCH-R311 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 guide 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 149.

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 121.

### Notes and Tips



Throughout this guide there is text that is set apart from the rest. These are intended to point out important information, quick methods for activating features, to define terms, and more. 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:

- |                  |  |
|------------------|--|
| <b>highlight</b> | Use the Navigation key (  ) to move a highlighting effect onto a menu item or screen item of interest.  |
| <b>select</b>    | After “highlighting” a menu item or screen item, press the <b>OK</b> key (  ) to launch, access, or save a highlighted menu item or screen field of interest. |
| <b>→</b>         | Used in place of “select” in long “drill down” procedure steps.  |

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**Example:** Select **Settings** → **Call Settings** → **Call Answer**.

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## Installing the Battery

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

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**Important!:** You must fully charge the battery the first time you use your phone, otherwise you could damage the battery.

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1. Insert the top end of the battery first, matching the gold contacts on the inside of the battery to those on 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 over the battery (1) and press lightly upward (2) until it clicks into place.



## Removing the Battery

1. Press and hold  to turn off the phone (if on).
2. Press down on the battery cover (1) and slide the cover toward the bottom end of the phone. Lift the cover (2) up and away from the phone, bottom end first.





3. Lift the bottom of the battery up (1) and away (2) from the phone.



## 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 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.

---

2. Insert the smaller end of the Travel Adapter into the charger/accessory connector on the right side of your phone.





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**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.

Three 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.

## Turning Your Phone On

1. If closed, open your phone, as shown.
2. Press . The display lights.


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

---

- The phone begins searching for a network signal.
- Once the phone finds a signal, the time, date, and day appear at the top of the display.
- 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.

---

## Turning Your Phone Off

1. If closed, open your phone.



2. Press and hold  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.

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**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.

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To dial Voicemail:

1. In standby mode, press and hold  or dial your own mobile number.
2. Follow the prompts in the new user tutorial to setup your mail box.

### **Listen to Voicemail**

- ▶ In standby mode, press and hold  or dial your own mobile number to dial Voicemail. After connecting, you will hear your voice greeting. You are prompted to enter your password.

## Section 2: Understanding Your Phone

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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

- Domestic and international voice and text messaging service (available on participating networks).
- High speed data (CDMA 2000 1x Technology)
- Bluetooth® Wireless Technology (see Note)
- Global Positioning System (GPS) Technology
- PIM Functions
- Picture (MMS) Messaging
- Text (SMS) Messaging
- Email Messaging
- Built-in VGA Digital Camera
- Voice Dial

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**Note:** The R311 phone supports the wireless handsfree profile and the serial port profile for Bluetooth® wireless technology. The R311 does not support Bluetooth OBEX profiles.

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### Closed View of Your Phone



### Features

1. **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.
2. **Camera Lens** — The lens of your built-in camera.

3. **Front Display** — Indicates the status of your phone, including status icons, message indicators, signal strength, and so on.
4. **Camera Key** — Launches the Camera feature of your phone and takes photos.
5. **Power / Accessory Connector** — Used to connect an optional headset (for hands free operation), or optional TTY device, charging accessories, or optional accessory cables to your phone.

## Open View (Front) of Your Phone





### Features

1. **Main 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.



2. **Navigation Key** — In Menu mode, lets you scroll through the phone menu options. In Standby mode, lets you access preset functions and one user-defined function.
3. **Left Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom left corner of the Main LCD.
4. **SEND Key** — Lets you place or receive a call. In standby mode, press the key once to access the recent calls log.
5. **Voicemail Key** — Lets you speed dial your Voicemail account to review your voice messages.
6. **Special Function Keys** — Enter special characters. Perform various functions.
7. **Voice Recognition Key** — Used to launch VoiceSignal voice recognition system.
8. **Microphone** — Lets the other caller hear you clearly when you are speaking to them.
9. **Alpha-numeric Keys** — Use these keys to enter numbers, letters, and characters.
10. **CLR 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.
11. **END Key** — Ends a call. If you press and hold the END key, the power goes On or Off. When you receive an incoming call, press to send the call to voicemail.
12. **Right Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom right corner of the Main Display.
13. **OK Key** — Pressing when navigating through a menu accepts the highlighted choice in a menu.
14. **Earpiece / Speaker** — Lets you hear ringing and alert tones, alarm tones, and the other parties to calls.

## Command Keys

Functions for the soft keys are defined by what appears above each in the display. There are two soft keys, Left () and Right ()




## Left Soft Key

Some functions of the Left soft key () are as follows:



- In standby mode, press the **Msgs** soft key () to launch the **Messages** menu.
- When the Left soft key function is Edit, press the **Edit** soft key () to edit a Contacts entry.

## Right Soft Key


Some functions of the Right soft key () are as follows:







- In standby mode, press the **Contacts** soft key () to launch the Contacts **Find** screen.
- When the Right soft key function is Options, press the **Options** soft key () and a pop-up menu appears.
- When the Right soft key function is Back, press the **Back** soft key () to back up one menu level.

## OK Key



- In standby mode, press the **OK** key () to launch the Main Menu.
- In a menu, press **OK** to accept the highlighted selection.
- In camera mode, press **OK** to take a photo or to create a Picture message.
- When the **OK** key function is Edit, press the **Edit** key () to edit a Draft message.




## 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 **CLR** 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 back up one menu level, briefly press .


## End Key

- Press and hold the End key () to turn your phone on or off.
- Briefly press  once to disconnect a call.
- Press  to return to standby mode from any menu, or to cancel the last input.

## Navigation Key

Use the directional keys on the Navigation key (  ) to browse menus, sub-menus, and lists. Each directional key also acts as a shortcut to launch applications.


## Camera Key

Use the Camera key (  ) on the right side of the phone to activate the camera built into your phone and to take pictures.

## 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. The Main Clock shows the day, date, and time.
3. The center portion of the display shows information such as call progress information, messages, and photos.
4. The bottom line of the display shows current soft key functions.



The sample screen shows that pressing the Left (**Msgs**) soft key will launch the Messages menu, pressing **OK** () will display the Main Menu, and pressing the Right (**Contacts**) soft key will show the Contacts **Find** screen.

## Display Screen Icons

Your R311 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 **Settings** → **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!”

## Backlights

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

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**Note:** During a phone call, the display backlight dims and turns off after 7 seconds to conserve battery power, regardless of the Backlight setting.  
(For more information, refer to “Backlight” on page 70.)

---

## Your Phone’s Modes



### Standby Mode

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

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

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

### Placing Calls in Standby Mode

1. To place a call while in standby mode, enter a phone number, and press .
2. To return to standby mode, press .

### Receiving Messages in Standby Mode

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

- **View Now** — This selection allows you to view the messages now.
- **View Later** — This selection allows you to view the messages at a later date.

Highlight the desired viewing option and then press .

### Adjusting the Ringer Volume

In standby mode, press the Volume key (on the left side of the phone) up or down.

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

Options are:

- Ringer Off
- Vibrate
- Low
- Low/Medium
- Medium
- Medium/High
- High
- Vibrate/High


When you are satisfied with the setting, press **SET**. Your phone returns to standby mode.

---

**Tip:** You can also enter the **Volume > Voice Calls** sub-menu by pressing **Menu** → **Sounds** → **Volume** → **Voice Calls**. Use the Volume key on the left side of your phone to adjust the ringer volume setting.




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**Note:** The Vibrate icon () appears in the display when the phone is in **Vibrate** mode. The Vibrate/Ring icon () appears in the display when the phone is in **Vibrate/High** mode.

---

### Call Answer Mode

You can choose to answer a call by pressing any key except  or , by pressing only , or by opening the phone's flip. (For more information, refer to “*Call Answer*” on page 105.)


### 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 **Options** soft key to display a list of menu options. (For more information, refer to “*The In-Use Options Menu*” on page 23.)


### Enter/Exit Silent Mode

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


#### To enter Silent Mode:

- ▶ In standby mode, press and hold . “**Entering Silent Mode**” briefly appears in the display and your phone returns to standby mode.

#### To exit Silent Mode:

- ▶ While in Silent mode and standby mode, press and hold . “**Exit Silent Mode**” briefly appears in the display and your phone returns to standby mode.

### Vibrate Mode

In standby mode, repeatedly press the Volume key () down until “**Vibrate**” appears in the display.

The Volume key is on the left side of phone.

### Speakerphone Mode

Speakerphone mode increases the sound volume through the earpiece during a call. This lets you conduct a call handsfree, and/or lets you share a call with others.

### To enter Speakerphone Mode:


- ▶ During a call, press the **Options** soft key, then select **Speaker On**.

---

**Caution:** While in Speakerphone mode, hold your phone away from your ear. (For more information, refer to “Responsible Listening” on page 130.)

---

### To exit Speakerphone Mode:

- ▶ During a call, press the **Options** soft key, then select **Speaker Off**.  
– or –  
Press .

### Handsfree Mode

Handsfree mode lets you operate your phone remotely, without touching it other than to turn it on or off.

To place your phone in Handsfree mode, do one of the following:

- Connect an optional wired headset.  
– or –
- Pair and connect with an optional Bluetooth technology headset or handsfree car kit. (For more information, refer to “Add New Device” on page 118.)


### 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” on page 74.)

- **Entering Camera Mode** — In standby mode, press and hold the Camera key () — on the right side of the phone.
- **Exiting Camera Mode** — Press .

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
**Note:** You can also enter Camera mode by pressing **Menu** () and selecting **Multimedia** → **Camera**.

---

### Input mode

Input mode determines how you enter text, numbers, and symbols. While at any text entry screen, press the Left soft key, then choose the input mode from the pop-up menu using the Navigation key. Optional input modes are **T9 Word**, **Abc**, **ABC**, **123**, and **Symbols**. (For more information, refer to “Entering Text” on page 33.)

---

**Tip:** You can cycle between **T9 Word**, **Abc**, and **123** by repeatedly pressing and holding the  key until the phone beeps.

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## **Lock Mode**


When the phone is in Lock Mode, restrictions are placed on phone use. You can receive calls and messages, but cannot place outgoing calls (except for emergency numbers) until you unlock the phone. Lock Mode also restricts access to menus and the Volume key. Unlock your phone by entering the lock code when prompted. (For more information, refer to “*Change Lock*” on page 109.)

## Section 3: Call Functions

---


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

### Making a Call — Number Entry Dialing

1. With the phone on, enter the number you wish to call using the keypad.
2. Press  to place the call.

### Dialing Emergency Numbers

To place an emergency call:

1. With the phone on, enter 911 using the keypad.
2. Press  to place the call.

You can specify other numbers as emergency numbers using the **Emergency #** settings. (For more information, refer to “Emergency #” on page 109.)

---

**Important!** Emergency number 911 is preset into your phone. You can dial this number almost 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.

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

---

### Dialing International Numbers

#### Call Another Country — Manual Method


1. In standby mode, enter **011** (the three-digit exit code for the United States).
2. Enter the country code for the country that you are calling.
3. Enter the number that you wish to call, then press .

---

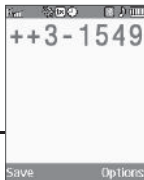
**Note:** Puerto Rico and Canada are on the North American dialing plan. Making calls to Puerto Rico and Canada is similar to making calls within the United States, no unique country codes are necessary.


---

## Call Another Country — Shortcut Method

1. In standby mode, press and hold  until a plus sign (+) appears in the display.

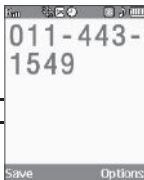
**Note:** When you press , your phone automatically replaces this + with 011, the three-digit exit code for the United States.




2. Enter the country code for the country that you are calling, or press and hold  until a second plus sign (+) appears in the display.

**Tip:** If you place most or all of your international calls to numbers in the same country, set-up the **International Dialing** shortcut to dial that country's code for you. (For more information, refer to "International Dialing" on page 107.)


**Note:** When you press , your phone automatically replaces the second + with the two-digit country code you have selected for the **International Dialing** shortcut.




3. Enter the number that you wish to call, then press .

## 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.

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

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

1. Enter the number you wish to call.
2. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
  - **2-Sec Pause** — a two-second pause.
  - **Wait** — a hard pause (awaits input from you).
3. Highlight the desired pause option.
4. To enter the highlighted pause into your number sequence, press .

---

**Note:** If you select **2-Sec Pause**, **P** appears in the display. If you select **Wait**, **W** appears in the display.

---

5. Press  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 location number in the list. You can assign and change location (speed dial) numbers for your contacts. (See “Assignment During Entry Creation” on page 44.)

### One-Touch Dialing

Speed Dial numbers 2 through 9 are special One-Touch dialing numbers. You can call the phone numbers stored in your phone's Contacts list and assigned Speed Dial numbers 2 through 9 by pressing and holding a single key.

---

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

---

### Two-Touch Dialing

Memory locations 10 through 99 are special Two-Touch dialing locations.

---




**Example:** For location number 13, briefly press , then press and hold  until the name and number appear in the display and the number is dialed.

---

### Three-Touch Dialing

Memory locations 100 through 999 are special Three-Touch dialing locations.

---

**Example:** For location number 113, briefly press , briefly press  again, then press and hold  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 pause(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).

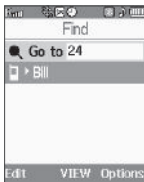
## Making a Call — Quick Search Dialing

Use the **Quick Search** feature to dial any number stored in your Contacts list by pressing the number keys that correspond to the first few letters of a Contact name. (For more information, refer to “*Quick Search*” on page 112.)

### Quick Search Dialing a Contact

To find and dial a Contact, do the following:

1. In standby mode, press the number keys that correspond to the first few letters of the Contact name, as shown.
2. Press the Up navigation key. The **Contact List** screen appears showing the desired Contact name, as shown.
3. If needed, use the Up and Down navigation keys to highlight the Contact you wish to call.
4. Press  to call the highlighted Contact.



## Making a Call — Voice Dialing

Your R311 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 Contacts 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 and hold .

“**Say a Command**” appears in the display and is pronounced through the earpiece.

2. Say, “**Call**”.

You are prompted to “**Say the name or #**”.



3. Speak clearly and say the name of a person in your Contacts list, first name followed by last name.

If the name is recognized, Voice Dial repeats the name and dials the number.

If Voice Dial is not sure which name you said, it displays a choice list of up to three names and prompts you with **“Did you say?”** followed by the first name on the list.

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 *“Choice Lists”* on page 93.)

- Press the **Repeat** soft key to say the name again.
- Press the **Settings** soft key, then press the **Exit** soft key to exit Voice Dial 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 number?”**

5. Say one of the following number types:
  - **“Home”**
  - **“Work”**

- **“Mobile”**

Voice Dial dials the specified number.

## Dialing a Number

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

1. In standby mode, press and hold .

**“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 5 5 6 2 0 0.”*

If it recognizes the number, Voice Dial repeats and dials the number. If Voice Dial is not sure it has recognized the number, it displays a choice list of up to three numbers and prompts you with **“Did you say?”** followed by the first number on the list.

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 *“Choice Lists”* on page 93.)

- To say the name again, press the **Repeat** soft key.
- To exit Voice Dial without dialing, press **END**.

### Pause Dialing From a Contacts Entry

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


### Answering a Call

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



- A ring tone sounds and/or your phone vibrates (Your phone provides seven ring volume settings including: **Ringer Off, Vibrate, Low, Low/Medium, Medium, Medium/High, High, or Vibrate/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

- ▶ Open the flip on your phone, if closed, and/or press . 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 automatically answer calls or to answer calls when you press any key but the  key or automatically, as indicated by the Auto Answer icon (). (For more information, refer to "Call Settings" on page 104.)

### The In-Use Options Menu

You can access numerous menus and features while in a call.

**Note:** If the call is disconnected while you are 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 **Options** soft key.

The following menu items appear in the display:

- **Message** — The **Messages** menu appears in the display. (For more information, refer to “*Messaging*” on page 50.)
- **Contacts** — The **Contacts Find** screen appears in the display.
- **Recent Calls** — The **All Calls Log** screen appears in the display.
- **Send DTMF** — Send your phone number as DTMF tones.
- **Voice Privacy** — Select **Standard** or **Enhanced** voice privacy.
- **Location** — Lets you change your phone’s Location setting. (For more information, refer to “*Location*” on page 104.)
- **Speaker On / Off** — Enables/disables Speakerphone mode during this call. (For more information, refer to “*Speakerphone Mode*” on page 15.)

Do one of the following:

- Select the desired sub-menu or feature.
- Exit the menu by pressing **[OK]**.

---

**Tip:** You can block/restore sound going to the other parties on this call by pressing the **Mute / Unmute** soft key. This can reduce noise on conference calls.


---

## Ignoring a Call

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

- ▶ During an incoming call, press the **Ignore** soft key. The caller is 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 time totals for all calls.

### Review the Calls Log

1. In standby mode, press **Menu** () , then select **Calls**.  
The following Calls logs and options appear in the display:
  - **Outgoing Calls**
  - **Incoming Calls**
  - **Missed Calls**
  - **All Calls**
  - **Data Calls**
  - **Call Timer**
  - **Data Counter**
2. Select the Calls log that you wish to review or the function you wish to access.

---


**Note:** In cases where there is a Contacts match for a Calls log entry, the name associated with the number appears in the display 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:** To quickly view your most recent calls, briefly press  in standby mode. Up to 270 of your most recent outgoing, incoming, and missed calls appear in the display.

---

1. At the **Calls** menu, select **Outgoing Calls**. A list of your outgoing calls appears in the display.
2. Highlight a call, then press **OPEN** () to view the Name of the called party (if in the Contacts list), the number dialed, the time and date the call was placed, and the duration of the call (in minutes and seconds).
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
  - **Save** — Save the number to your Contacts.

- **Details** — Calls to Contacts Only — Shows the entry for the called Contact.
- **Erase** — Erase the selected call from your Outgoing call log.
- **Lock/Unlock** — Protect the selected call from being erased.
- **Erase All** — Erase all calls from your Outgoing call log.
- **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, Outgoing Calls, Incoming Calls, Roaming Calls, All Calls, Last Reset, and Lifetime Calls.

4. Press the **Msgs** soft key to launch the **Send Message** menu. The following options appear in the display:

- **Text Message** — Lets you send a text message to the selected number called.
- **Picture Message** — Lets you send a picture message to the selected number called.

---

**Note:** For more information, refer to “Types of Messages” on page 50.

---

5. Select the desired message type to compose a message.

## Incoming Calls

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

1. At the **Calls** menu, select **Incoming Calls**. A list of your

Incoming calls appears in the display.

2. Highlight a call, then press **OPEN** (OK) to view the Name of the caller (if in the Contacts list), the originating number, the time and date the call was received, and the duration of the call (in minutes and seconds).
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
  - **Save** — Save the number to your Contacts.
  - **Details** — Calls from Contacts Only — Shows the entry for the calling Contact.
  - **Erase** — Erase the selected call from your Incoming calls log.
  - **Lock/Unlock** — Protect the selected call from being erased.
  - **Erase All** — Erase all calls from your Incoming calls log.
  - **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, Outgoing Calls, Incoming Calls, Roaming Calls, All Calls, Last Reset, and Lifetime Calls.
4. Press the **Msgs** soft key. The following options appear in the display:
  - **Text Message** — Lets you send a text message to the selected calling number.
  - **Picture Message** — Lets you send a picture message to the selected calling number.

---

**Note:** For more information, refer to “Types of Messages” on page 50.

---

5. Select an option to perform its function.

### **Missed Calls**

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

1. At the **Calls** menu, select **Missed Calls**. A list of your missed calls appears in the display.
2. Highlight a call, then press **OPEN** (OK) to view the Name of the caller (if in the Contacts list), the originating number, and the time and date the call was received.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
  - **Save** — Save the number to your Contacts.
  - **Details** — Calls from Contacts Only — Shows the entry for the calling Contact.
  - **Erase** — Erase the selected call from your Missed call log.
  - **Lock/Unlock** — Protect the selected call from being erased.
  - **Erase All** — Erase all calls from your Missed call log.

- **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, Outgoing Calls, Incoming Calls, Roaming Calls, All Calls, Last Reset, and Lifetime Calls.
4. Press the **Msgs** soft key. The following options appear in the display:
    - **Text Message** — Lets you send a text message to the selected called number.
    - **Picture Message** — Lets you send a picture message to the selected called number.

---


**Note:** For more information, refer to “Types of Messages” on page 50.

---

5. Select an option to perform its function.

### **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. At the **Calls** menu, select **All Calls**. A list of all logged calls appears in the display.
2. Highlight a call, then press **OPEN** () to view further information about the call.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:

- **Save** — Save the number to your Contacts.
- **Details** — Calls from Contacts Only — Shows the entry for the calling/called Contact.
- **Erase** — Erase the selected call from your Calls log.
- **Lock/Unlock** — Protect the selected call from being erased.
- **Erase All** — Erase all calls from your Calls log.
- **View Timer** — Shows the number of calls and/or the total time spent on the Last Call, Outgoing Calls, Incoming Calls, Roaming Calls, All Calls, Last Reset, and Lifetime Calls.

4. Press the **Msgs** soft key. The following options appear in the display:
  - **Text Message** — Lets you send a text message to the selected calling/called number.
  - **Picture Message** — Lets you send a picture message to the selected calling/called number.

---

**Note:** For more information, refer to “Types of Messages” on page 50.

---

5. Select an option to perform its function.

### **Data Calls**

Your phone retains information about the last 10 data calls and stores them in the Data call log. You can review the Data call log for the time and date of the call, as well as other information.

1. At the **Calls** menu, select **Data Calls**. A list of your data calls appears in the display.
2. Highlight a data call, then press **OPEN** (**OK**) to view further information about the call.
3. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:
  - **Erase** — Erase the selected call from your Data call log.
  - **Lock / Unlock** — Blocks / permits erasure of this Data call entry.
  - **Erase All** — Erase all calls from your Data call log.
  - **Data Counter** — Shows the amount of data Transmitted and Received during this call, the Total amount of data exchanged during this call, and the total amount of data exchanged since the phone was activated.
4. Select an option to perform its function.

### **Call Timer**

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

---

**Note:** Call Timer is not for billing purposes.

---

1. At the **Calls** menu, select **Call Timer**. The following timers 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 the last erasure.
  - **Incoming Calls** — View the duration of the total incoming calls received on your phone since the last erasure.
  - **Roaming Calls** — View the total calls duration on your phone while roaming since the last erasure.
  - **All Calls** — View the duration of the total call, incoming, outgoing, and data calls made on your phone since the last erasure.
  - **Last Reset** — View the time and date all timers were last reset.
  - **Lifetime Calls** — View the duration of all calls since your phone was activated.
2. To reset a selected counter (except Last Reset and Lifetime Calls), highlight the desired counter and press the **Reset** soft key.
  3. To reset all counters except Lifetime Calls, press the **Reset All** soft key.
  4. To exit the **Call Timer** list, press **OK** or **CLR**.

---

**Note:** Although most call timers can be erased, the Lifetime call 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. At the **Calls** menu, select **Data Counter**. The following options appear in the display:
  - **Transmit** — 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).
2. To reset a selected counter (except Last Reset and Lifetime Data Counter), highlight the desired counter and press the **Reset** soft key.

3. To reset all counters except Lifetime Data Counter, press the **Reset All** soft key.
4. To exit the **Call Timer** list, press **OK** or **CLR**.


---

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

---

## Roaming

### What is Roaming?

Roaming lets you use your R311 phone when you travel outside of your Wireless Carrier'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 Carrier 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 Carrier's Preferred Roaming List (PRL) of networks is used to acquire service. If no preferred networks are found, any digital system is acquired.

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**Note:** For more information, refer to “*System Select*” on page 111.




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## Section 4: Menu Navigation

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This section explains the menu navigation for your phone. It also includes an outline of all the available menus associated with your phone.

### Menu Navigation


Access the menus and sub menus in your phone using the navigation key (  ) and soft keys (   ), or use a shortcut.

1. In standby mode, press **Menu** (  ). The first of several menus appears in the display.


---

**Note:** More than one menu may appear in your display. This setting can be modified in the **Display/Menu Style** menu.

---


**Tip:** You can launch any of the Main Menus by using a voice command — In standby mode, press and hold  until the phone prompts, “Say a command.” Say “Go to” followed by a Main Menu name into the microphone. For example, Say “Go to easyedge” to access the **easyedge<sup>SM</sup>** menu.

---

2. Use the navigation key to browse through the menus.
3. To enter the menu or sub menu that appears in the display, press  .

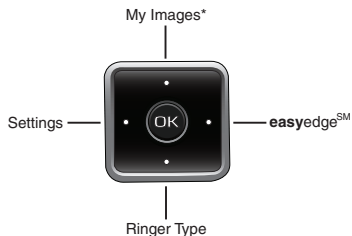
4. Press the **Back** soft key to return to the previous menu.

### Return to the Previous Menu

- Press the **Back** soft key to return to a previous menu.
- When **Back** does not appear in the display, press  to return to the previous menu.

### Navigation Key Shortcuts

In standby mode, press a navigation key to launch the key’s corresponding application.



---

\* **My Images** can be customized. Press **Menu** (  ), then select **Settings** → **Phone Settings** → **Shortcut Key**.

---

## Navigate Using a Shortcut

You can also access menus and sub menus using menu numbers. After pressing **Menu** (OK), press the menu number to go directly to the menu or sub menu of your choice. Before you can navigate using a shortcut, you'll need the menu or sub-menu number that you wish to access.

1. In standby mode, press **Menu** (OK).
2. Press the number of the menu, sub menu, and so on for the feature that you wish to access.

---

**Example:** Press **Menu** (OK), then press **8**, **5**. This takes you to the **Tools** menu (Menu 8), and then to the **Calculator** (sub menu 5).

---

## Navigate Using Quick Search

Use the **Quick Search** feature to find a menu or menu item by pressing the number keys that correspond to the first few letters of menu or menu item name. (For more information, refer to “*Quick Search*” on page 112.)



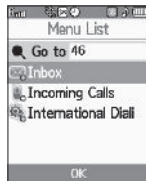
### Quick Search Accessing a Menu

To find and access a menu or menu item, do the following:

1. In standby mode, press the number keys that correspond

to the first few letters of the menu or menu item name, as shown.

2. Press the Down navigation key. The **Menu List** screen appears showing the matching menus and/or menu items, as shown.
3. Select the desired menu or menu item. The associated screen appears in the display.



## Section 5: Entering Text

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This section outlines how to select the desired text entry mode when entering characters using the phone keypad. This section also describes how to use the T9 predictive text entry system to reduce the number of key strokes needed to enter text.


### 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:


- **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
  - **T9 WORD** — Enter all upper case letters
  - **T9 word** — Enter all lower case letters
- **Abc** — Enter letters by repeatedly pressing each phone key until the desired character (as shown on the key) appears in the display. ABC mode letter options are:
  - **Abc** — Enter initial capital letters
  - **ABC** — Enter all upper case letters
  - **abc** — Enter all lower case letters
- **123** — Enter numbers by pressing the corresponding keys on the phone keypad.

- **Symbols** — Using the phone keypad, enter a symbol into your message by pressing the number above the symbol in the Symbols pop-up window.

The current text entry mode (**T9 Word**, **Abc**, **ABC**, **123**, or **Symbols**) is indicated in the lower part of a text entry screen. To change the text entry mode while composing a text message:

- ▶ Repeatedly press and hold  to toggle between **Abc**, **123**, and **T9Word** modes.

Or, do the following:

1. Press the Left soft key.
2. Highlight one of the following text entry modes:
  - **T9Word**
  - **Abc**
  - **ABC**
  - **123**
  - **Symbols**
3. Press .

## Using T9® Mode

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 Left soft key, then select **T9Word**.
2. 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 pops-up the most commonly used. Press the Navigation key Up or Down to display other words, if available.

---

**Note:** To enter a space, press the key. To enter a period, press the key. These key functions apply to both T9 Word and Abc modes. (For other symbols, see “Entering Symbols” on page 35.)

---

## Using Abc Mode

1. While composing a text message, press the Left soft key, then select **Abc** or **ABC**.
2. Enter characters while in Abc mode by pressing a key repeatedly until the desired character appears in the display.

---

**Example:** Press once for “G” and twice for “H”.

---

3. Pause briefly and the displayed character is accepted and inserted into your message.
4. To enter a space, press . To enter a period, press .

## Entering Numbers

Enter numbers into a text message while in 123 mode.

1. While composing a text message, press the Left soft key, then select **123**.


2. Enter numbers while in 123 mode by pressing the key labeled with the corresponding number that you wish to insert into your message.

## Entering Symbols

Enter symbols such as “@” or “%” into a text message.

1. While composing a text message, press the Left soft key, then select **Symbols**. The first of three symbol screens appears in the display.
2. Use the **Prev** and **Next** soft keys to page through the other symbols, if desired.
3. Press the key that corresponds with the symbol that you wish to enter.

---

**Example:** Press  for an exclamation point (!).

---

4. Repeat these steps to insert additional symbols into your message.

## Section 6: Understanding Your Contacts

---

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

### Contacts

Up to 500 entries can be stored in Contacts. Each entry can have up to five associated phone numbers and one Email address. Each phone number can be up to 32 digits in length, including **2-Sec** or **Wait** pauses (see “Manual Pause Calling” on page 19 for more information), and associated names can be up to 32 characters in length. You can assign the Speed Dial numbers of your choice for each entry. You can also mark your Contacts list as Restricted to prevent unauthorized viewing. (For more information, refer to “Restriction” on page 110.)

---

**Tip:** Speed Dial **One-Touch Dialing**, **Two-Touch Dialing**, and **Three-Touch Dialing** allow you to call numbers stored in Contacts faster. (For more information, refer to “Speed Dial” on page 44.)

---

### Open Contacts

1. In standby mode, press **Menu** (**OK**), then select **Contacts**.

---

**Tip:** To launch the **Contacts** menu using a voice command — In standby mode, press and hold **OK** until the phone prompts, “Say a command.” Say “Go to Contacts” into the microphone.

---

The following options appear in the display:

- **Find** — Find a Contacts entry by name.

---

**Tip:** You can also access the **Find** option from standby mode, by pressing the **Contacts** soft key or by pressing and holding **OK** until the phone prompts, “Say a command.” Say “Lookup” followed by a Contact name into the microphone.

---

- **Add New Contact** — Add a number or Email address to your Contacts.
- **Speed Dial** — Assign a Contacts entry to a Speed Dial number. (For more information, refer to “Speed Dial” on page 44.)
- **Group** — Review, send messages to, add Contacts to, or rename four out of your five groups. (For more information, refer to “Contacts Groups” on page 46.)
- **Memory Info** — Display used and available memory for Contacts entries.

2. Select the option of your choice.

---

**Note:** You can also press the keypad number key that corresponds to the menu option number.

---

## Finding a Contacts Entry

### Shortcut Key Method

If you've stored a name entry in Contacts, Find allows you to find it quickly by entering the first few letters of a Contact's name.

1. In standby mode, press the **Contacts** soft key.

The **Find** screen appears in the display with the **Go To** field highlighted, followed by the first few names in your Contacts list.

---

**Tip:** You can also access the **Find** screen/function from standby mode by doing one of the following:

- Press **Menu** (OK), then select **Contacts** → **Find**.
- Press and hold **OK** until the phone prompts, “**Say a command.**” Say “**Lookup**” followed by a Contact name into the microphone.

2. Enter the first few characters of a name as entered in Contacts. For example, if you saved the name as “Amy Smith”, begin the search by pressing (for “A”).  
  
As you enter letters, the names of the closest matches appear in the display.
3. When the desired entry is listed in the display, use the Up/Down navigation keys to highlight the entry.

- Press **Call** to dial the number associated with the name.
- Press the **Edit** soft key to add or change information for this entry.
- Press **VIEW** (OK) to show information about the entry.
- Press the **Options** soft key. The following options appear in the display:
  - **New Contact** — Add a new entry to Contacts.
  - **Erase** — Erase the name and associated information.
  - **Send Txt Msg** — Create and send a text message to the selected Contact.
  - **Send Pic Msg** — Create and send a picture message to the selected Contact.
  - **Call** — Dial the number associated with the name.
  - **Send Name Card Via Bluetooth** — Send selected Contacts to another Bluetooth device.Select the desired option to access its sub-menu appears in the display.

### Voice Method

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


---


**Note:** The **Lookup** 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:

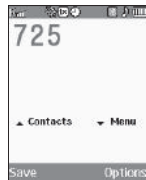
1. In standby mode, press and hold  to launch VoiceSignal.  
“**Say a Command**” appears in the display and is pronounced through the speaker.
2. Say “**Lookup**”.  
VoiceSignal prompts you to “**Say the name.**”
3. Speak clearly and say the full name of the person you want to call, exactly as it is entered in your Contacts list.
  - If VoiceSignal recognizes the name you said, the Contact entry information for that name appears in the display.
  - 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?**” 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 “*Choice Lists*” on page 93.)
  - To say the name again, press **Repeat**.
  - To exit VoiceSignal without dialing, press **Settings** and press **Exit**.

5. The contact information for the name you selected appears in the display.
  - To dial the number associated with the name, press .
  - To remove this entry from your Contacts list, press the **Erase** soft key.
  - To add or change information for this entry, press **EDIT** .
  - To access the following options, press the **Options** soft key.
    - **Send Txt Msg** — Create and send a text message to the selected Contact.
    - **Send Pic Msg** — Create and send a picture message to the selected Contact.
    - **Call** — Dial the number associated with the Contact name.
    - **Send Name Card Via Bluetooth** — Send the select Contact’s information to another Bluetooth device.Select the desired option.

### **Quick Search Method**

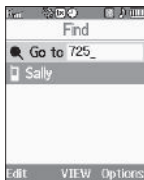
For information on enabling Quick Search, see “*Quick Search*” on page 112.



1. In standby mode and with Quick Search enabled, press the first few numeric keys that correspond to the letters of the Contact’s name.



**Example:** To search for “Sally” you would enter 725.

2. Press the Up navigation key. A list of Contact names that begin with letters corresponding to the number keys you pressed appears in the display.



3. Highlight the searched for Contact.
  - To call the Contact, press .
  - To view the Contact, press .

## Adding a New Contacts Entry

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


### Dial Method

1. Using the keypad, enter the number you wish to add to your Contacts.
2. Press the **Save** soft key. The following options appear in the display:
  - **Create New** — Lets you create a new Contacts entry.
  - **Update Existing** — Lets you add the number you entered to an existing Contacts entry.

3. Select **Create New**.

The **Create New** screen appears in the display showing the following icons:



4. Select the number type that matches your new entry. The **Add New Entry** screen appears in the display.
5. Use the keypad to enter a name to associate with the Contacts entry.
6. Press **SAVE** () to save the entry.

### Menu Method

1. In standby mode, press **Menu** () , then select **Contacts** → **Add New Contact**.

The **Add New Entry** screen appears in the display with the **Name** field highlighted.

2. Enter the name of the new entry using the keypad. (For more information, refer to “*Entering Text*” on page 33.)
3. Highlight one of the following fields:

- Mobile
  - Home
  - Work
  - Pager
  - Email
  - Group
  - Ringtone
  - Fax
4. Enter a phone number or Email address in the highlighted field.
  5. Repeat steps 3 and 4 as needed.
  6. Press **OK** to save the new entry.

## Editing a Contacts Entry

### Editing Contacts Name and Numbers

1. Find the Contacts entry you wish to change. (For more information, refer to “*Finding a Contacts Entry*” on page 37.)
2. Use the Navigation key to highlight the entry and press **VIEW** (**OK**). The **View Contact** screen appears in the display showing the highlighted entry’s information.
  3. Use the Navigation key to review the information for the entry that you wish to change, then press **EDIT** (**OK**). The **Edit Contact** screen appears in the display.
  4. Use the Navigation key to highlight the particular information you want to add or change.
    - Press **⏪** to backspace and delete numbers or letters.
    - Press and hold **⏪** to clear all numbers or letters in the highlighted field.
    - Press the **Options** soft key.
 

The following options pop-up in the display:

      - **Set Speed Dial / Remove Speed Dial** — Assign/remove a speed dial number. (For more information, refer to “*Speed Dial*” on page 44.)
      - **Set as default** — Set the number the phone will dial when Contacts dialing or speed dialing.
      - **Wait** — A hard pause (waits for input from you).
      - **2-Sec Pause** — A 2-second pause after which dialing resumes. (For more information, refer to “*Add Pauses to Contacts Numbers*” on page 41.)

Select the desired option.
  5. When you’re finished changing the Contacts entry:
    - To save your changes, press **OK**.

- To discard your changes, press . You are prompted to confirm exiting without saving your changes. Press the **Yes** soft key to discard your changes.

### Add Pauses to Contacts Numbers

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

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


---

**Note:** You can enter multiple 2-Sec Pauses to extend the length of a pause. For example, two consecutive 2-Sec Pauses cause a total pause time of four seconds. Keep in mind that pauses count as digits towards the 32-digit maximum.



---

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

1. Find the Contacts entry associated with the number you want to include one or more pauses. (For more information, refer to “*Finding a Contacts Entry*” on page 37.)

2. Select and edit the desired number. (For more information, refer to “*Editing a Contacts Entry*” on page 40.)
3. Press **Options**. The following pause options appear in the display:
  - **2-Sec Pause** — A 2-second pause after which dialing resumes.
  - **Wait** — A hard pause (waits for input from you).
4. Select the pause option of your choice to add it to the number sequence.
5. When you’re finished entering information, press  to store the number to Contacts.

### Pause Dial from Contacts

1. If you stored the number using 2-second pause(s), simply find the Contacts entry, highlight the number, and press . (For more information, refer to “*Finding a Contacts Entry*” on page 37.)
2. If you stored the number using Wait(s), find and dial the number from Contacts and wait for the appropriate prompt from the dialed number.
3. Press  to resume dialing the number.

## **Edit an Existing Email Address**

1. Find the Contacts entry you want to edit. (For more information, refer to “*Finding a Contacts Entry*” on page 37.)
2. Highlight the desired Contacts entry, then press the **Edit** soft key.

The **Edit Contact** screen appears in the display.

3. Highlight the **Email** field.
4. Use the keypad to edit the Email address. (For more information, refer to “*Entering Text*” on page 33.)
5. Press **OK** to save your changes.

## **Assigning a Ringtone to a Contacts Entry**

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

1. Find the Contacts entry you want to edit. (For more information, refer to “*Finding a Contacts Entry*” on page 37.)
2. Highlight the desired Contact, then press the **Edit** soft key.

The **Edit Contact** screen appears in the display.

3. Highlight the **Ringtone** field, then press the **Set** soft key.

The **Contact Tone** menu appears in the display showing the following options:

- **My Ringtones**
- **My Sounds**

4. Select the desired option. The **My Ringtones** or the **My Sounds** file list appears in the display.
5. Select the ringtone or sound that you wish to assign to the Contacts entry.

The **Edit Contact** screen re-appears in the display with the name of the selected file in the Ringtone field.

6. Press **OK** to save the ringer assignment to the selected Contacts entry.


## **Saving a Number After a Call**

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

---

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

---

1. Press  to end your call. The call time, length of call, phone number, and name of the party (if available) appear in the display.
2. Press the **Save** soft key. The **Save** menu appears in the display showing the following options:
  - **Create New** — Lets you create a new Contacts entry.
  - **Update Existing** — Lets you add the number you entered to an existing Contacts entry.
3. Follow the instructions in the upcoming sections depending on whether the number is a new entry or you wish to add it to an existing entry.


### Create a New Entry

1. At the **Save** menu, select **Create New**.

The **Create New** screen appears in the display showing the following number type options:



2. Select the number type that matches your new entry. The **Add New Entry** screen appears in the display.

3. Enter a name for the new entry. (For more information, refer to “*Entering Text*” on page 33.)
4. Press . The new entry is saved to your Contacts list.

### Add to an Existing Entry

1. At the **Save** menu, select **Update Existing**. The **Update Existing** screen appears in the display showing your Contacts list with the **Go To** field and the first Contacts entry highlighted.
2. Find the Contacts entry to which you want to add the new number. (For more information, refer to “*Finding a Contacts Entry*” on page 37.)
3. Select the desired Contacts entry. The following number type options appear in the display:



Number types that are already assigned a number show the number instead of the number type label.

4. Select the desired unassigned number type. The **Edit Contact** screen appears in the display with the new number posted in the appropriate number type field.
5. Press **OK** again to save your changes to the existing entry.

## Speed Dial

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

---

**Example:** To speed dial the Contacts entry assigned to Speed Dial 5, press and hold **5**, (1-touch dialing).

To speed dial the Contacts entry assigned to Speed Dial 35, press **3** then press and hold **5**, (2-touch dialing).

To speed dial the Contacts entry assigned to Speed Dial 235, press **2**, press **3**, then press and hold **5**, (3-touch dialing).

---

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

### Assignment During Entry Creation

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

1. Follow either of the New Contacts entry procedures (see *"Adding a New Contacts Entry"* on page 39) until you enter

a name for the entry.

2. After entering the Contacts entry name, **do not press OK**. Instead, highlight a number field.
3. Press the **Options** soft key. The following options appear in the display:
  - **Set Speed Dial** — Assign a speed dial number.
  - **Set as default** — Set the number the phone will dial when Contacts dialing, speed dialing, or voice dialing.
  - **Wait** — A hard pause (waits for input from you).
  - **2-Sec Pause** — A 2-second pause after which dialing resumes. (For more information, refer to *"Add Pauses to Contacts Numbers"* on page 41.)

Select **Set Speed Dial**. The **Speed Dial** screen appears in the display.

4. Select an Unassigned Speed Dial number or enter an Unassigned Speed Dial number in the **Go To** field using the keypad.

---

**Important:** Do not enter Speed Call numbers 1, 211, 311, 411, 611, or 911. These numbers are already assigned to Voicemail (001), to Information (411), to Customer Care (611), and to emergency use (911).

---

5. Press **SET** (OK). You are prompted to confirm your Speed Dial number assignment.
6. Press the **Yes** soft key to save your Speed Dial assignment and return to the **Add New Entry** screen.

---

**Note:** Press the **No** soft key to discard the assignment and return to the **Speed Dial** screen.

---

7. Press OK to save your changes.

### **Assignment to an Existing Entry**

1. Find the Contacts entry you want to edit. (For more information, refer to “*Finding a Contacts Entry*” on page 37.)
2. Highlight the desired entry.
3. Press **Edit**. The **Edit Contact** screen appears in the display.
4. Highlight the number field you wish to assign a Speed Dial number.
5. Do steps 3 through 7 of “*Assignment During Entry Creation*” on page 44.

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

1. Find the Contacts entry you want to edit. (For more information, refer to “*Finding a Contacts Entry*” on page 37.)
2. Highlight the desired entry.
3. Press **Edit**. The **Edit Contact** screen appears in the display.
4. Highlight the number field marked by the Speed Dial icon (⚡).
5. Press the **Options** soft key. The following options appear in the display:
  - **Remove speed dial** — Unassign the current speed dial number.
  - **Set as default** — Set the number the phone will dial when Contacts dialing, speed dialing, or voice dialing.
  - **Wait** — A hard pause (waits for input from you).
  - **2-Sec Pause** — A 2-second pause after which dialing resumes. (For more information, refer to “*Add Pauses to Contacts Numbers*” on page 41.)
6. Select **Remove Speed Dial**. “**Remove speed dial?**” pops up in the display to confirm your desire to remove the entry.



7. Press the **Yes** soft key to remove the Speed Dial assignment. “**Speed Dial Removed**” pops up in the display, and you are returned to the **Edit Contact** screen.
8. Do steps 4 through 7 of “*Assignment During Entry Creation*” on page 44.

## Contacts Groups

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

### Add Contacts Entry to a Group

#### Using Add New/Edit Contact Option

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

1. Create a Contacts entry (see “*Adding a New Contacts Entry*” on page 39) or find a Contacts entry (see “*Finding a Contacts Entry*” on page 37) that you want to add to a Group.
2. Highlight the **Group** field, then press the **Set** soft key.  
The **Select Group** screen appears in the display showing Groups similar to the following:

- **No Group**
- **Business**
- **Colleague**
- **Family**
- **Friends**

3. Select the Group to which you want to assign the selected Contact.

You are returned to the **Add New Entry/Edit Contact** screen and the selected Group name populates the **Group** field.

4. Press **OK** to save your changes.

#### Using Group Add Option

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

1. In standby mode, press **Menu** (**OK**), then select **Contacts** → **Group**.

The **Group List** screen appears in the display showing Groups similar to the following:

- **No Group**
- **Business**
- **Colleague**

- **Family**
  - **Friends**
2. Highlight a Group, then press the **Options** soft key. The following options popup in the display:
    - **Send Txt Msg** — Send a text message to the selected Group.
    - **Send Pic Msg** — Send a picture message to the selected Group.
    - **Rename** — Change the name of the selected Group.
    - **Erase** — Delete the selected Group, and send the Contacts back to No Group.
    - **Add** — Add one or more Contacts to the selected Group.
  3. Select **Add**. The **Add Contacts** screen appears in the display showing a list of Contacts entries.
  4. Do one of the following:
    - Use the Navigation key to highlight an entry you want to add to the group, then press **MARK** (OK). A check mark appears in the entry's check box.  
Repeat as needed to check all the desired Contacts.
    - Press the **Mark All** soft key.

---

**Note:** To unmark a marked Contact, highlight the Contact and press **MARK** to clear the check mark.

---

5. When you have marked the Contacts you want to add to the group, press **Done**. “**Contact added to group**” appears in the display, followed by the selected Group list including the added Contacts.

### **Remove Contacts Entry from a Group**

1. In standby mode, press **Menu** (OK), then select **Contacts** → **Group**. The **Group List** screen appears in the display.
2. Highlight the Group (other than No Group) from which you want to remove a Contact, then press **VIEW** (OK).  
A list of the Contacts assigned to the selected Group appears in the display.
3. Highlight the Contact you wish to remove.
4. Press the **Remove** soft key. You are prompted to confirm the removal of the selected Contact.
5. To remove the selected Contact from this Group and return it to No Group, press the **Yes** soft key.

To keep the selected Contact in this Group, press the **No** soft key.

## Rename a Group

The Rename option lets you change the name any of the Groups, except No Group.

1. In standby mode, press **Menu** (OK), then select **Contacts** → **Group**. The **Group List** screen appears in the display.
2. Highlight the Group name other than No Group that you wish to change, then press **Options** → **Rename**.

The **Rename Group** screen appears in the display.

3. Enter changes to the group name using the keypad. (For more information, refer to “*Entering Text*” on page 33.)
4. When you have completed your changes to the Group name, press **SAVE** (OK).

“**Group Renamed**” appears in the display followed by the **Group List** screen showing your renamed Group.

## Add a New Group

The New option lets you add Groups.

1. In standby mode, press **Menu** (OK), then select **Contacts** → **Group**. The **Group List** screen appears in the display.
2. Press the **New** soft key. The **New Group** screen appears in the display.

3. Enter a new group name using the keypad. (For more information, refer to “*Entering Text*” on page 33.)
4. When you have completed entering the new Group name, press **SAVE** (OK). “**Group Saved**” appears in the display followed by the **Group List** screen showing your new Group.

## Erase a Group

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

1. In standby mode, press **Menu** (OK), then select **Contacts** → **Group**. The **Group List** screen appears in the display.
2. Highlight the Group that you wish to delete, press the **Options** soft key, then select **Erase**.

You are prompted to confirm the Group erasure.

3. To confirm erasure of the Group, press the **Yes** soft key. To retain the Group, press the **No** soft key.

## Deleting a Contacts Entry

1. Find the Contacts entry you want to delete. (For more information, refer to “*Finding a Contacts Entry*” on page 37.)

2. Highlight the desired entry, press the **Options** soft key, then select **Erase**. The phone prompts you to confirm the erasure.
3. To confirm erasure of the selected Contact, press the **Yes** soft key. To retain the Contact, press the **No** soft key.

## Memory Info

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

- ▶ In standby mode, press **Menu** (OK), then select **Contacts** → **Memory Info**.

The **Memory Info Contacts** screen appears in the display showing the **Total** amount of memory in your phone, the amount of memory **Used** to store Contacts entries, and the remaining (**Free**) for Contacts entries.

## Section 7: Messaging

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

### Types of Messages

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

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**Note:** Available memory is shared between all messages. You can store up to 100 messages. However, the exact number is dependent upon message length.

---


### Create and Send Text Messages

1. In standby mode, press the **Msgs** soft key, then select **Send Message** → **Text Message**. The **Create Txt Msg** screen appears in the display showing the **To:** list.

---

**Tip:** To launch the **Create Txt Msg** screen using a voice command — In standby mode, press and hold  until the phone prompts, “Say a command.” Say “Send Text” into the microphone. You are then prompted to say a Contact name or a number for the first recipient of the message.

---

2. Enter the phone number or Email address of the recipient, or press the **Add** soft key and select a Contact entry, a Contacts Group, or the originator or recipient of a recent call, then press . The **Text:** field appears in the display.
3. Enter the text content of your message using the keypad. (For more information, refer to “Entering Text” on page 33.)
4. Press the **Options** soft key to complete the message text and set message send options. The following options appear in the display:
  - **Edit Send To** — Edit the recipient's number or email address.
  - **Add Quick Text** — Insert pre-composed text in your message.
  - **Save As Draft** — Save the message to your Draft folder.
  - **Priority Level** — Choose **Urgent** or **Normal**.
  - **Validity Period** — Enter the Date when this message will cease to be valid, then use the Left and Right navigation keys to choose the Time.
  - **Deferred Deliv.** — Set the date and time when this message will be delivered.

- **Enh. Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.
- **Add To Contacts** — Save the recipient's number or Email address as a Contacts list entry.

5. Once you're finished entering your message, press **SEND** (.


## Receive Text Messages

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

- **View Now** — Opens the message, where you have the option to Forward, Reply With Copy, Save Quick Text, Lock, Add To Contacts, Message Info, or Extract.
- **View Later** — Saves the message to your Inbox, where you can view it later, then returns your phone to standby mode.

Select your choice.

## Receive Messages While in a Call

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

- **View Now** — Opens the message, where you have the option to Forward, Reply With Copy, Save Quick Text, Lock, Add To Contacts, Message Info, or Extract.
- **View Later** — Saves the message to your Inbox, where you can view it later, and returns your phone to call mode.

Select the desired option.

## View a Text Message Now

1. After you select the **View Now** option, the new text message appears in the display.
2. While viewing your message press the **Options** soft key. The following options appear in the display:
  - **Forward** — Send a copy of this message to another recipient.
  - **Reply With Copy** — Compose and send a reply message to the originator of the received message and include a copy of the original message.
  - **Save Quick Text** — Save the text in this message as a new Quick Text.
  - **Lock / Unlock** — Block/permit erasure of the highlighted message.
  - **Add To Contacts** — Save the sender's number to your Contacts.
  - **Message Info** — Shows message delivery status, addressee, size, and so on.
  - **Extract** — Lets you call the originator of the highlighted message.

3. Select an option to perform its function.

---

**Note:** For more information on received message options, see “*Inbox*” on page 57.

---

### View a Text Message Later

1. In standby mode, press the **Msgs** soft key, then select **Inbox**. The **Inbox** screen appears in the display.
2. Select the new message. The new text message appears in the display.

### Chat View

Chat View mode is the default format for viewing text messages. In Chat View mode, you can view a series of text messages exchanged between your phone and another phone as if the messages were a chat session, instead of viewing only the incoming messages individually.



---

**Note:** To disable/enable Chat View mode, change the **Message View** setting. (For more information, refer to “*Text Message Settings*” on page 63.)

---

**Tip:** To simplify the exchange of messages with **Message View** setting to **Chat**, you might want to change the **Auto Save** setting to **On**.

---

The following icons indicate which responses are incoming and outgoing:





### Send Picture Messages in Camera Mode

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

---

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

---

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 **TAKE** (  ) to take a picture.

---

**Note:** For more information about using the camera feature in your phone, see “*Camera*” on page 74.

---

3. Press **SEND** (OK) to save the picture and begin the picture message delivery process. The **Create Pic Msg** screen then appears in the display with the **Send To:** list highlighted.
4. Enter the phone number or Email address of the recipient of the Picture message, then press OK.

---

**Tip:** Press the **Add** soft key to display a pop-up menu containing: **Contacts**, **Groups**, **Recent Calls**, and **OnlineAlbum**. These options allow you to find and add recipients to the **Send To:** list.

---

5. The **Subject:** field appears in the display. Enter a subject for the Picture message using the keypad. (For more information, refer to “*Entering Text*” on page 33.)
6. Press the Navigation key Down until the **Text:** field is highlighted, then enter the message text using the keypad. (For more information, refer to “*Entering Text*” on page 33.)
7. Your new picture appears in the **PIC:** field.
8. If you wish to insert a sound into your Picture message, highlight the **Sound:** field and do the following; otherwise, proceed to step 10.

- Press the **Sounds** soft key. The **My Sounds** screen appears in the display showing the following options:
  - **Record New** — Record a new memo to insert into the message.

---

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

---

- **Audio files list** — Select from the list of previously recorded voice memos and preloaded audio files on your phone.  
Select an option, a sound file, and insert the sound into your message.  
To exit the pop-up menu without inserting a sound, press [ESC].
9. Press the **Options** soft key to complete the message text and set message send options. The following options appear in the display:
    - **Preview** — View the picture as the recipient will see it.
    - **Add Quick Text** — Add precomposed text to your message.
    - **Save As Draft** — Save the message to your Draft folder.
    - **Priority Level** — Choose **Urgent**, **Normal**, or **Low**.
    - **Validity Period** — Enter the **Date** when this message will cease to be valid, then use the Left and Right navigation keys to choose the **Time**.
    - **Deferred Deliv.** — Set the date and time when this message will be delivered.



- **Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.
- **Remove Pic** — Remove the picture from your message.
- **Remove Sound** — Remove the sound file from your message.
- **Add To Contacts** — Save the recipient's number or Email address as a **Contacts** list entry.

Select the desired option.

10. Press **OK** to send the message. “**Pic Msg Sending**” appears in the display and a progress bar indicates the send status.

## Send Picture Messages in Standby Mode

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

---

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

---

1. In standby mode, press the **Msgs** soft key, then select **Send Message** → **Picture Message**.

The **Create Pic Msg** screen then appears in the display showing the **To:** list.

---

**Tip:** To launch the **Create Pic Msg** screen using a voice command — In standby mode, press and hold **[OK]** until the phone prompts, “**Say a command.**” Say “**Send Picture**” into the microphone. You are then prompted to say a Contact name or a number for the first recipient of the message.

---

2. Enter the phone number or Email address of the recipient using the keypad, then press **OK**.

---

**Tip:** Press the **Add** soft key to display a pop-up menu containing: **Contacts**, **Groups**, **Recent Calls**, and **OnlineAlbum**. These options allow you to find and add recipients to the **Send To:** list.

---

3. The **Subject:** field appears in the display. Enter a subject for the Picture message using the keypad. (For more information, refer to “*Entering Text*” on page 33.)
4. Press the Navigation key **Down** until the **Text:** field is highlighted, then enter the message text using the keypad. (For more information, refer to “*Entering Text*” on page 33.)
5. Press the **Down** navigation key until the **PIC:** field is highlighted, then press the **Pictures** soft key. A photo gallery of thumbnail images appears in the display.

6. Highlight a picture to be added to your message, then do the following:

- If you want, press the **View** soft key to expand the highlighted picture to full-screen size.
- If you want to include a new picture, press the **Camera** soft key.

---

**Note:** For more information about using the camera feature in your phone, see “Camera” on page 74.

---

- Press **OK** to add the highlighted picture to your message.

You are returned to the **Create Pic Msg** screen with the selected picture in the **Pic** field.

7. If you wish to insert a sound into your Picture message, use the Down navigation key to highlight the **Sound**: field and do the following; otherwise, proceed to step 8.

- Press the **Sounds** soft key. The **My Sounds** screen appears in the display showing the following options:
  - **Record New** — Record a new memo to insert into the message.

---

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

---

- **Audio files list** — Select from the list of previously recorded voice memos and preloaded audio files on your phone. Select an option, a sound file, and insert the sound into your message. To exit the pop-up menu without inserting a sound, press **ESC**.

8. Press the **Options** soft key to complete the message text and set message send options. The following options appear in the display:

- **Preview** — View the picture as the recipient will see it.
- **Add Quick Text** — Add precomposed text to your message.
- **Save As Draft** — Save the message to your Draft folder.
- **Priority Level** — Choose **Urgent**, **Normal**, or **Low**.
- **Validity Period** — Enter the **Date** when this message will cease to be valid, then use the Left and Right navigation keys to choose the **Time**.
- **Deferred Deliv.** — Set the date and time when this message will be delivered.
- **Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.
- **Remove Pic** — Remove the picture from your message.
- **Remove Sound** — Remove the sound file from your message.
- **Add To Contacts** — Save the recipient’s number or Email address as a Contacts list entry.

Select an option to invoke its function.

9. Press **OK** to send the message. “**Pic Msg Sending**” appears in the display and a progress bar indicates the send status.

## Receive Picture Messages

When you receive a Picture Message in standby mode, the ringer sounds (unless turned off) and **New Message** appears in the display along with the closed envelope icon ()

The date and time of the message also appear in the display along with the following options:

- **View Now** — Retrieves and opens the message, where you have the option to Reply, Forward, Delete, Save Text, Save Pic, or Save Msg.
- **View Later** — Saves the message to your inbox, where you can view it later, then returns your phone to standby mode.

Select the desired option.

### View a Picture Message Later

1. In standby mode, **Msgs** soft key, then select **Inbox**. The Inbox appears in the display.
2. If the new picture message is not highlighted, select the new message. “**Connecting**” appears in the display followed by “**Retrieving**” and a progress bar indicating that the message is downloading to your phone.

3. Once a Picture message has been downloaded to your phone, the new Picture message appears in the display. If the message includes a sound file, the phone begins playing it.

---

**Note:** For more information on viewing and managing received picture messages, see “*Inbox*” on page 57.

---

### View a Picture Message Now

1. After you select the **View Now** option, “**Connecting**” appears in the display followed by “**Retrieving**” and a progress bar indicating that the message is downloading to your phone.
2. After the Picture message has downloaded, an alert sounds, and the new Picture message appears in the display. If the message includes a sound file, the phone begins playing it.
3. While viewing your message press the **Options** soft key. The following options appear in the display:
  - **Play Again** — Play the sound file included in the picture message again.
  - **Forward** — Send a copy of this message to another recipient.

- **Erase** — Remove this message from the folder.
- **Lock / Unlock** — Block/permit erasure of the highlighted message.
- **Save Pic** — Save the picture included in this message to the My Images folder.
- **Save Sound** — Save the sound file included in this message to the My Sounds folder.
- **Save Quick Text** — Save the text in this message as a new Quick Text.
- **Add To Contacts** — Save the sender's number to your Contacts.
- **Message Info** — Shows message delivery status, addressee, size, and so on.
- **Extract** — Calls the sender of the received message.

4. Select an option to invoke its function.

---

**Note:** For more information on received picture message options, see “Inbox” on page 57.

---

## Message Boxes

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

### Inbox

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

1. In standby mode, press the **Msgs** soft key, then select **Inbox**. A list of incoming messages appears in the display.

---

**Tip:** While in a call, press **Options**, then select **Message** to open the **Messages** menu.

---

2. Select the message that you wish to view. The contents of the highlighted message appear in the display.
3. While viewing your message press the **Options** soft key. The following options appear in the display:

- **Chat view:**

- **View Last Message** — Displays the most recent message exchanged with this sender/addressee in Normal mode.
- **Add To Contacts** — Save the sender's number to your Contacts.

- **Normal view:**

- **Forward** — Send a copy of this message to another recipient.
- **Reply With Copy** — Compose and send a reply message to the originator of the received message and include a copy of the original message.
- **Save Quick Text** — Save the text in this message as a new Quick Text.
- **Lock / Unlock** — Block/permit erasure of the highlighted message.
- **Add To Contacts** — Save the sender's number to your Contacts.

- **Message Info** — Shows message delivery status, addressee, size, and so on.
  - **Extract** — Calls the sender of the received message.
4. Select an option to invoke its function.

### Managing Inbox Messages

1. In standby mode, press the **Msgs** soft key, then select **Inbox**. A list of incoming messages appears in the display.
2. Highlight a message in the list.
3. Press **Erase** to remove the highlighted message from the Inbox.
4. To access other options, press the **Options** soft key. The following options appear in the display:
  - **Reply** — Compose and send a reply message to the originator of the received message.
  - **Reply With Copy** — Compose and send a reply message to the originator of the received message and include a copy of the original message.
  - **Forward** — Send a copy of this message to another recipient.
  - **Lock / Unlock** — Block/permit erasure of the highlighted message.
  - **Add To Contacts** — Save the sender's number to your Contacts.
  - **Erase Inbox** — Delete all unlocked messages from the Inbox.


- **Message Info** — Shows message delivery status, addressee, size, and so on.

5. Select an option to perform its function.

### Outbox

Your phone stores messages in the Outbox, regardless of whether the message was successfully transmitted. Verify if and when a message or Email was successfully received by enabling the Delivery Ack feature.

### Review Messages in the Outbox

1. In standby mode, press the **Msgs** soft key, then select **Outbox**. Your list of sent messages appear in the display.
2. Highlight a message that you wish to review, then press **OPEN** () .
3. While viewing your message, press the **Options** soft key. The following options appear in the display:
  - **Forward** — Send the highlighted message to another recipient.
  - **Save Quick Text** — Save the message text as Quick Text for insertion into other messages.
  - **Lock / Unlock** — Block/permit erasure of the highlighted message.
  - **Add To Contacts** — Save the recipient's number to your Contacts.

- **Message Info** — Shows message delivery status, addressee, size, and so on.
- **Extract** — Calls recipient of this message.

4. Select an option to perform its function.

### 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.

### Managing Outbox Messages

1. In standby mode, press the **Msgs** soft key, then select **Outbox**. Your list of sent messages appear in the display.
2. Highlight a message, then press **Erase** to remove the highlighted message from the Outbox.
3. Press the **Options** soft key. The following options appear in the display:
  - **Forward** — Send the highlighted message to another recipient.
  - **Resend** — Re-send the highlighted message to the original recipient.
  - **Lock / Unlock** — Block/permit erasure of the highlighted message.
  - **Add To Contacts** — Save the recipient's number to your Contacts.
  - **Erase Outbox** — Delete all unlocked messages from the Outbox.

- **Message Info** — Shows message delivery status, addressee, size, and so on.

4. Select an option to perform its function.

### Draft Box

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

### Create a Draft Message

1. In standby mode, press the **Msgs** soft key, then select **Send Message → Text Message**. The **Create Text Msg** screen appears in the display showing the **To:** list.
2. Enter the phone Number or Email address of a recipient, then press **OK**.
3. Compose your message using the keypad, then press the **Options** soft key and select **Save As Draft**. A confirmation message appears in the display and your message is saved to the Drafts box.

### View and Edit Draft Text Messages

1. In standby mode, press the **Msgs** soft key, then select **Drafts**. A list of any draft messages that you've saved appears in the display.

2. Highlight a text message that you wish to view or edit, then press **EDIT** (OK). The message text edit screen appears in the display.
3. Enter or change the recipient's number and/or Email address and the message text using the keypad. (For more information, refer to "Entering Text" on page 33.)
4. Press the **Options** soft key to complete the message text and set message send options. The following options appear in the display:
  - **Edit Send To** — Change, add, or remove recipients from this message.
  - **Add Quick Text** — Insert pre-composed text into your message text.
  - **Save As Draft** — Save the message to your Drafts box.
  - **Priority Level** — Choose **Urgent** or **Normal**.
  - **Validity Period** — Enter the Date when this message will cease to be valid, then use the Left and Right navigation keys to choose the Time.
  - **Deferred Delivery** — Set the date and time when this message will be delivered.
  - **Enh. Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.

- **Add To Contacts** — Save the recipient's number or Email address to your Contacts.

5. Select an option to perform its function.
6. When you have completed composing your message, press **SEND** (OK).


### Managing Draft Messages

1. In standby mode, press the **Msgs** soft key, then select **Drafts**. A list of any draft messages that you've composed appears in the display.
2. Highlight a message.
3. To remove the highlighted message from the Drafts box, press the **Erase** soft key. You are prompted to confirm erasure of the highlighted draft message.
  - To erase this draft message, press the **Yes** soft key.
  - To keep this draft message in your Drafts box, press the **No** soft key.
4. For other options, press the **Options** soft key. The following options appear in the display:
  - **Send** — Send the highlighted message to the original recipient, if the recipient's number and/or Email address is included with the draft message.

- **Lock / Unlock** — Block/permit erasure of the highlighted message.
- **Add To Contacts** — Save the recipient's number and/or Email address to your Contacts.
- **Save Quick Text** — Save the message text as Quick Text for insertion into other messages.
- **Erase Drafts** — Delete all unlocked draft messages.

5. Select an option to perform its function.

## Voicemail

New messages in your voice mailbox are indicated by the voicemail icon () and are logged in the Voicemail box of the Messages menu. Open the Voicemail box to view the Callback # (if available), Urgency, and other details of the Voicemail message.

### Listen to Voicemail Now


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

- **Listen Now** — Calls your voice mailbox and allows you to listen to your messages.
- **Listen Later** — Returns you to standby mode where you can later choose to call your mailbox and review your messages.

Select an option to perform its function.

## Listen to Voicemail Later

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

1. In standby mode, press the **Msgs** soft key, then select **Voicemail**. The **Voicemail** screen appears in the display, showing the number of new voicemail messages received and the date and time the latest message was received.
2. Highlight a voice message.
3. Press  or **OK** to call your voice mailbox and listen to the message.

---

**Note:** You can also press and hold  to dial your voice mailbox.

---

## Erase Messages

Using Erase Messages, you can erase all of the messages in each of your boxes from one convenient location.

---

**Note:** This function erases all messages in a selected box. To delete a single message, open the box from the **Messages** menu, highlight a message, open the message if you want, then press **Erase** to delete it.

---

1. In standby mode, press the **Msgs** soft key, then select **Erase Messages**.

The following options appear in the display:



- **Inbox** — Deletes all unlocked messages stored in the Inbox.
  - **Outbox** — Deletes all unlocked messages stored in the Outbox.
  - **Drafts** — Deletes all unlocked messages stored in the Drafts box.
  - **All Messages** — Deletes all unlocked messages stored in all of the message boxes, except Voicemail.
2. Select the messages that you wish to delete. You're prompted to confirm the erasure of all messages in the selected box or in all boxes.
  3. To delete the messages, press the **Yes** soft key. To cancel deleting the messages, press the **No** soft key.

## Message Settings

Use the **Msg Settings** sub-menus to define general settings and text message settings.

### General Message Settings

1. In standby mode, press the **Msgs** soft key, then press **Msg Settings** → **General**. The following options appear in the display:
  - **Auto Save** — Choose whether your messages are saved automatically when you exit them (**On**, **Off**, **Prompt**).
  - **Auto Erase** — Choose to receive (**On**) or not receive (**Off**) a warning message when you delete a message.

- **Quick Text** — Edit your pre-composed messages, which can then be inserted into new messages.
- **Voicemail #** — Edit or view your Voicemail number.
- **Entry Mode** — Choose the default method for entering text into messages (**T9 Word**, **Abc**, **ABC**, **123**).
- **Callback #** — Choose whether to include a callback phone number with your outgoing messages, and enter the number to be included.
- **Signature** — Choose whether to include a text signature in outgoing message text, and enter the text to be included.
- **Reminder** — Select whether and how often you will hear and/or feel a reminder that you have received a message (**Once**, **Every 2 Minutes**, **Every 15 Minutes**, **Off**).

2. Select the desired option to enter the highlighted option's sub-menu.

### Editing and Entering Quick Text

1. In standby mode, press the **Msgs** soft key, then select **Msg Settings** → **General** → **Quick Text**. The **Quick Text** sub-menu appears in the display.
2. To create a new Quick Text:
  - Press **New**.

---

**Tip:** You can also create new Quick Text by viewing/editing an Outbox or Drafts message and using the **Save Quick Text** option in the **Options**

menu. (For more information, refer to “Review Messages in the Outbox” on page 58)

---

- Enter/change the text content of your Quick Text using the keypad. (For more information, refer to “Entering Text” on page 33.)
- Once you’re finished entering your Quick Text, press **OK**. The Quick Text menu appears in the display with your new Quick Text highlighted.

### 3. To change a Quick Text:

- Highlight a Quick Text you want to change, then press **EDIT**. (You cannot change the pre-defined Quick Text included with your phone.)

---

**Note:** You cannot change or erase pre-loaded Quick Texts.

---

- Enter/change the text content of your Quick Text using the keypad. (For more information, refer to “Entering Text” on page 33.)

### 4. To erase a Quick Text:

- Highlight a Quick Text you want to erase, then press **Erase**. You are prompted to confirm erasure of the highlighted Quick Text.
- To erase the highlighted Quick Text, press **Yes**. To keep it, press **No**.

## Text Message Settings

1. In standby mode, press the **Msgs** soft key, then select **Msg Settings** → **Text Message**. The following options appear in the display:

- **Auto View** — **On/Off** — With Auto View On, the full content of a text message appears in the display as the messages is received.
  - **Signature** — Create a signature, which can be included at the bottom of outgoing message text.
  - **Auto Scroll** — **On/Off** — With Auto Scroll On, the full content of a text message automatically rolls upward on the display, one screen-full at a time.
  - **Message View** — **Chat/Normal** — With Message View set to **Chat**, series of text messages exchanged with one other phone appear in the display as a chat session. (For more information, refer to “Chat View” on page 52.)
2. Select the desired option to enter the highlighted option’s sub-menu.

## Picture Message Settings

1. In standby mode, press the **Msgs** soft key, then select **Msg Settings** → **Picture Message**. The following options appear in the display.
  - **Auto Receive** — **On/Off** — With Auto Receive **On**, Picture messages automatically download and display as they are received. With Auto Receive **Off**, you are prompted to download Picture messages.
  - **Signature** — Create a signature, which can be included at the bottom of outgoing Picture message text.

2. Select the desired setting to enter the highlighted option's sub-menu.

## Section 8: easyedge<sup>SM</sup>

With **easyedge<sup>SM</sup>**, you can download multimedia, applications, games, and check news and sports.

**Tip:** You can access **easyedge<sup>SM</sup> Games** home page directly from standby mode by tapping the **Menu** soft key, then selecting **Games**.

**Note:** **easyedge<sup>SM</sup>** from U.S. Cellular is only available on approved phones and requires an **easyedge<sup>SM</sup>** data plan. Visit [www.uscellular.com/easyedge](http://www.uscellular.com/easyedge) or call U.S. Cellular customer service (by dialing 611 on your phone) and ask about **easyedge<sup>SM</sup>**.

### Accessing easyedge<sup>SM</sup>

With **easyedge<sup>SM</sup>**, you can download full featured applications over the air including games, personalized ring tones, pictures, and more.

- ▶ In standby mode, press **Menu** (**OK**), then select **easyedge**. The **easyedge<sup>SM</sup>** screen appears in the display with the **easyedge<sup>SM</sup> shop** tab showing.



The **easyedge<sup>SM</sup> shop** tab lets you locate, purchase (when required), and download an application, ringtone, or other multimedia files.

### Launching an Application

1. In standby mode, press **Menu** (**OK**), then select **easyedge**.

The **easyedge<sup>SM</sup>** screen appears in the display with the **easyedge<sup>SM</sup> shop** tab showing.

2. Press the Right Navigation key.

The **my stuff** tab shows, listing any applications (apps) you have downloaded.

3. Highlight the application you wish to run, then press **OK**.



## Finding and Downloading Applications

1. In standby mode, tap the **Menu** soft key, then select **easyedge**. The **easyedge<sup>SM</sup>** screen appears in the display with the **easyedge<sup>SM</sup> shop** tab showing.
2. Follow the prompts to locate, purchase (when required), and download an application, ringtone, or other multimedia files.

## Section 9: Changing Your Display Settings

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This section shows you how to change your phone's menu appearance, display brightness and contrast, and display content to better meet your needs.

### Accessing the Display Menu

To access the Display menu, do the following:

1. In standby mode, press **Menu** (OK), then select **Display**.  
The **Display** menu appears in the display.

---

**Tip:** To launch the **Display** menu using a voice command — In standby mode, press and hold  until the phone prompts, “Say a command.” Say “Go to Display” into the microphone.

---

2. Select the desired sub-menu. The following sections describe the Display sub-menus in greater detail.

### Menu Style

1. At the **Display** menu, select **Menu Style**. The following Main Menu styles appear in the display:
  - **Icon** — Main Menu appears as 4-by-3 array of icons.
  - **List** — Main Menu appears as a scrollable list (text).
2. Select the desired Main Menu style. You're returned to the **Display** menu.

### Wallpaper

Wallpaper lets you choose the images that appear in the background of your phone's front and main displays while your phone is closed or in standby mode.

1. At the **Display** menu, select **Wallpaper**.

The following options appear in the display:

- **Main Display**
- **Front Display**

---

**Note:** When you select **Front Display**, your Wallpaper selection automatically changes the **Clock Format** setting for the **Front Clock** to **Off**. (For more information, refer to “Clock Format” on page 68.)

---

2. Select the Display whose Wallpaper you wish to change.

The following options appear in the display:

- **My Images** — Lets you select a photo you've taken or an image that you've downloaded from the Internet as a wallpaper image.
  - **Preset Images** — Lets you select an image that came preloaded with your phone as a wallpaper image.
3. Select the image type that you wish to use. An array of images appears in the display.

2. Select the image that you wish to use to save your selection.

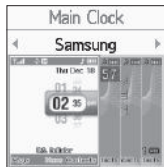
## Clock Format

Clock Format lets you choose the format your phone will use to present the current time in your phone's front and main displays while your phone is closed or in standby mode.

1. At the **Display** menu, select **Clock Format**.

The following options appear in the display:

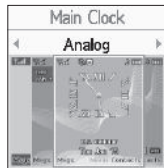
- **Main Clock**
  - **Front Clock**
2. Select the Clock you wish to reformat. The following options appear in the display:
    - **Samsung** — Main Clock only



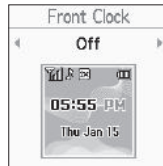
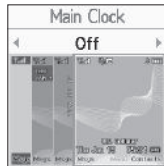
- **Digital**



- **Analog**



- **Off**



---

**Note:** The **Clock Format** setting for the **Front Clock** automatically changes to **Off** when you change the **Wallpaper** setting for the **Front Display**. (For more information, refer to “*Wallpaper*” on page 67.)

---

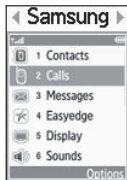
3. Select the desired clock format. A “Clock Set” message appears in the display, and you are returned to the **Display** menu.

## Theme

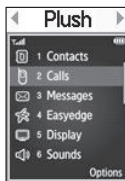
Lets you select the color theme used to display menu screens and popup menus and messages. You can choose from a variety of themes.

1. At the **Display** menu, select **Theme**. The following options are available:

- **Samsung**



- **Plush**



2. Use the Navigation key to show the available Themes (which appear in the preview screen), then press **OK** to save the displayed Theme setting.

## Dialing Font Size

Lets you select the size of your dialing font.

1. At the **Display** menu, select **Dialing Font Size**.

The following options appear in the display:

- **Normal**
- **Large**

2. Select the desired setting.



## Banner

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

1. At the **Display** menu, select **Banner**.

---

**Tip:** Press and hold **CR** to erase an existing banner, if necessary.

---

2. Enter a word or short phrase to appear in your phone's display while in standby mode (Up to 13 characters). (For more information, refer to “*Entering Text*” on page 33.)
3. Press **OK** to save the new banner.

## Backlight

You can set the backlight for your display or keypad to remain on for a specified period of time or remain on as long as the folder is open.

---

**Note:** Prolonged backlight use drains your battery faster.

---

1. At the **Display** menu, select **Backlight**. The following sub menus appear in the display:
  - **Main Display** — Sets the time the internal display backlight remains on after a period of inactivity. Optional settings are: **10 seconds**, **15 seconds**, **30 seconds**, **Always On**, and **Always Off**.

- **Keypad** — Sets the amount of time the keypad backlight remains on after a period of inactivity. Optional settings are: **10 seconds**, **15 seconds**, **30 seconds**, **Always On**, and **Always Off**.
- **Brightness** — Sets the brightness of the backlight to one of five possible settings.

2. Select the desired sub menu, then select the desired setting.

## Front Contrast

Front Contrast lets you choose the display contrast to suit yourself.

1. At the **Display Settings** menu, select **Front Contrast**.
2. Use the Left/Right navigation keys to sample any of the 21 display contrast settings from **-10** to **+10**. The screen shows the effects of each new setting.
  - To save the new setting and return to the **Display Settings** menu, press **OK**.
  - To return to the **Display** menu and discard the new setting, press **CR**.

## Section 10: Changing Your Sound Settings

---


This section shows you how to customize your phone's audio properties, such as ringers, keypad tones, alerts, shut down sounds, and more.

### Accessing the Sounds Menu

To access the Sounds menu, do the following:

1. In standby mode, press **Menu** (OK), then select **Sounds**.  
The **Sounds** menu appears in the display.

---

**Tip:** To launch the **Sounds** menu using a voice command — In standby mode, press and hold  until the phone prompts, “Say a command.” Say “Go to Sounds” into the microphone.

---

2. Select the desired sub-menu. The following sections describe the Sounds sub-menus in greater detail.

### Volume

Use the **Volume** sub-menu to set the default volume for incoming calls and alarms.

1. From the **Sounds** menu, select **Volume**. The following options appear in the display:
  - **Voice Calls** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to incoming calls.


- **Messages** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to incoming messages.
- **Alarms** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to a preset alarm time being reached.

2. Select the desired option.
3. Use the Navigation key or the Volume key (on the left side of your phone) to change the volume level (**Ringer Off**, **Low**, **Low/Medium**, **Medium**, **Medium/High**, **High**) or vibrate mode (**Vibrate**, **Vibrate/High**) for the selected option.

---

**Tip:** To preview the selected ringtone or alert tone while adjusting the volume setting, press the **Play** soft key.

---

4. Press  to save the volume level/vibrate mode.

### Ringer Type

You can assign ring tones for calls, alarms, and other alerts in the **Ringer Type** sub menu.

1. From the **Sounds** menu, select **Ringer Type**. The following Ringer Types appear in the display:
  - **Voice Calls**

- **Messages**
  - **Text Message**
  - **Picture Message**
  - **Voicemail**

2. Select the desired Ringer Type. The following options appear in the display:

- **My Ringtones**
- **My Sounds**

---

**Note:** Your phone includes preloaded ringtones and sounds. You can download additional ringtones and sounds using **easyedge**<sup>SM</sup>.

You can record your own sounds by accessing **My Sounds** through the **Multimedia** menu. Select **Menu** → **Multimedia** → **My Sounds** → **Record New**. (For more information, refer to “Record New Voice Memo” on page 88.)

---

3. Select the desired option. A list of ringtones or sounds appears in the display.
4. Use the Navigation key to scroll through the ringtones and sounds for the preferred ringer.
  - To play each ringtone or sound, press the **Play** soft key.
  - To save the desired ringtone or sound selection, press **OK**.

## Alerts

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

1. From the **Sounds** menu, select **Alerts**. The following options appear in the display:
  - **Minute Beep** — Sound an alert ten seconds before each elapsed minute of a call.
  - **Roaming** — Sound an alert when you leave your home service area while on a call.
  - **Call Connect** — Sound an alert when you connect a call.
  - **Power On/Off** — Play melodies when you turn your phone on or off.
2. Select the desired option. The following settings appear in the display:
  - **On**
  - **Off**
3. Select the desired setting.

## Key Tone

Key Tone allows you to adjust the volume level and length of the tone that the keypad generates each time you press a key.

1. From the **Sounds** menu, select **Key Tone**.

The following options appear in the display:

- **Tone Level**
- **Tone Length**

2. Select the desired option.

- If you select **Tone Level**:
  - To set the keypad Tone Level, use the Volume key or Navigation key.
  - To save your Tone Level setting, press **OK**. You are returned to the **Key Tone** sub-menu.
- If you select **Tone Length**:
  - Select **Short** or **Long**. You are returned to the **Key Tone** sub menu.

## Section 11: Camera

Use your R311 phone to take full color digital pictures, display them on your phone's vivid color display, and instantly share them with family and friends. It's fun, and as easy to use as a traditional point-and-click camera. This section explains how you can do the following:

- Take pictures with your phone's built-in digital camera.
- Send your pictures to others in Picture messages.
- Set the several options associated with the camera that help you take crisp, clear pictures.


### Taking Pictures

Taking pictures with the built-in camera is as simple as launching the camera, choosing a subject, pointing the lens (located on the front of your phone's flip, near the hinge), and pressing a button.



### Taking Snap Shots (Single Pictures)


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

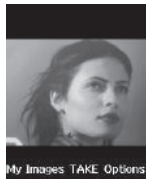
1. In standby mode, press and hold the Camera key (  ) on the right side of the phone. The message “**Please, Wait...**” appears in the display followed by a camera view finder screen. (For more information, refer to “*Camera Screen Layout*” on page 77.)

---

**Note:** You can also activate the camera by pressing **Menu** (  ), then selecting **Multimedia** → **Camera**.

---

2. Using the display as a viewfinder, point the camera lens (on the front of the flip, near the hinge) at your subject.
3. When the image that you wish to capture appears in the display, press **TAKE** (  ).
4. To save the picture to memory, press the **Save** soft key.



To erase the photo, press the **Cancel** soft key.


---

**Tip:** You can change a number of the camera's settings to suit particular uses for your pictures. See *"Camera Options"* on page 78 for more information.

---

### 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 message **"Please, Wait..."** appears in the display followed by a camera view finder screen. Your phone is now in camera mode. (For more information, refer to *"Camera Screen Layout"* on page 77.)





---

**Note:** You can also activate the camera by pressing **Menu** () , then selecting **Multimedia** → **Camera**.

---



2. Press the **Options** soft key. The options menu bar appears at the top of the camera screen.





3. Highlight the **Shot Type** icon (, , , or ). The following **Shot Type** options appear in the display:

- **Single Shot** —  — Lets you take 1 photo at a time.
- **Series Shot** —  — Lets you take a series of 3 or 5 photos.
- **Divided Shot** —  — Lets you take a mosaic of 4 or 9 photos.
- **Frame Shot** —  — Lets you select a colorful frame to include around your photos.

4. Select **Series Shot** or **Divided Shot**.

- When you select **Series Shot**, the following options appear in the display:
  - **Off**
  - **3 Auto** — Lets you take 3 photos automatically with one press of **TAKE** ().
  - **3 Manual** — Lets you take 3 photos in quick succession by pressing **TAKE** () for each photo.
  - **5 Auto** — Lets you take 5 photos automatically with one press of **TAKE** ().

- **5 Manual** — Lets you take 5 photos in quick succession by pressing **TAKE** (OK) for each photo.
  - When you select **Divided Shot**, the following options appear in the display:
    - **Off**
    - **4 Auto** — Lets you take 4 shots automatically that are combined into a single, mosaic photo, all with one press of **TAKE** (OK).
    - **4 Manual** — Lets you take 4 shots in quick succession by pressing **TAKE** (OK) for each shot, with all 4 shots being combined into a single, mosaic photo.
    - **9 Auto** — Lets you take 9 shots automatically that are combined into a single, mosaic photo, all with one press of **TAKE** (OK).
    - **9 Manual** — Lets you take 9 shots in quick succession by pressing **TAKE** (OK) for each shot, with all 9 shots being combined into a single, mosaic photo.
5. Select the desired setting.
- A Series Shot progress bar (  ) or a Divided Shot icon (  ) (which acts as a progress bar while pictures are being taken) appears in the display.
6. Using the display as a viewfinder, point the camera lens at your subject.

7. When the image that you wish to capture appears in the display, press **TAKE** (OK). The camera takes one picture (**Manual**) or multiple pictures in quick succession (**Auto**), then the Series Shot **Select to Save** screen or the Divided Shot mosaic photo screen appears in the display.

• **Series Shot:**

- To save the pictures to memory, press the **Done** soft key.
- To discard the pictures, press **Cancel**.



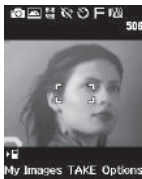
• **Divided Shot:**

- To save the picture to memory, press the **Save** soft key.
- To send the picture in a picture message, press **Send** (OK).
- To discard the picture, press the **Cancel** soft key.



## Camera Screen Layout

When you activate your phone's camera, the top two lines of the display are reserved for camera icons (when active). The center of the display shows a viewfinder image of the subject at which the camera is pointed.



## Camera Screen Soft Keys

The soft key labels on the bottom line of the display change to the following:

- **My Images** — Pressing the Left soft key opens the **My Images** multimedia folder so you can view or manage your stored pictures. (See “*My Images*” on page 83 for more information.)
- **TAKE** — Pressing **OK** takes a picture of the subject currently appearing in the camera view finder screen.
- **Options** — Pressing the Right soft key opens a menu bar of camera options and settings.

## Camera Screen Icons




**Camera** — Indicates the camera is active.





**Single Shot in use** — Takes one photo each time you press **TAKE** (**OK**).



**Series Shot in use** — Takes a series (  ) of photos automatically or manually when you press **TAKE** (**OK**). The number of photos taken depends upon the Series Shot setting.



**Divided Shot in use** — Takes multiple shots automatically (  ) or manually (  ) when you press **TAKE** (**OK**). The number of shots taken depends upon the Divided Shot setting. All shots are combined into a single, mosaic photo.



**Frame Shot in use** — Takes one photo each time you press **TAKE** (**OK**). Each photo is surrounded by a selected, colorful frame.



**Camera Resolution** — Indicates camera's current resolution setting. (You can change the camera resolution setting. See “*Camera Options*” on page 78 for more information.)



**Night Shot** — Lets you take photos in low light.



**Self Timer in use** — Delays the camera shutter for 2, 5, or 10 seconds after you press **OK**.



**Quality** — Indicates camera's picture quality setting. (You can change the picture quality setting. For more information, refer to “*Quality*” on page 80.)





**White Balance** — Indicates camera's white balance setting. (You can change the camera white balance setting. For more information, refer to “White Balance” on page 80.)



**Photo Limit** — Indicates the available number of photos you can take. (Depending on the camera resolution setting.)



**Phone Memory** — Indicates photos will be stored in the phone's memory.



**Zoom** — Enlarges the image from X0 to X7 before you take a picture. (Depending on the camera resolution setting. For more information, refer to “Zoom” on page 83.)



**Brightness** — Brightens or darkens the image from -4 to +4 before you take a picture. (For more information, refer to “Brightness” on page 83.)

## Picture Options

After you take a picture, the following options are available (if **Auto Save** is set to **Off**):

- **Save the picture** by pressing the **Save** soft key.

Pictures are stored in the **My Images** folder, which is part of the phone's memory and/or card memory devoted to storing, browsing, and viewing saved pictures. (See “My Images” on page 83 for more information.)

- **Send the picture** to someone else by pressing **Send** (OK).

For a detailed procedure, see “Send Picture Messages in Camera Mode” on page 52.

- **Discard the picture** by pressing the **Cancel** soft key.

If **Auto Save** is set to **On**, these options are not available. After pressing **TAKE** (OK), the picture(s) is (are) automatically saved, and you are returned to the camera screen.

## Camera Options

The Camera Options let you temporarily adjust default camera settings to suit available lighting, the subject of the photo, or the purpose of the photo, for the current camera session. When you exit the camera, your Camera Options values revert to their default values.

To access Camera Options, do the following:

1. In camera mode, press the **Options** soft key. The Camera Options menu appears in the display, containing the following sub-menus:


















Shot Type (also , , or )



Resolution



Night Shot (also )





-  Self Timer (also , , or )
-  Quality (also , or )
-  White Balance (also , , , or )
-  Color Effect
-  Settings

2. Select a sub-menu, then select a preferred value.

The following sub-sections describe camera options and available values.

### Shot Type

Shot Type lets you take multiple photos or shots in succession at the touch of a key and/or add colorful frames to your photos.

1. In camera mode, press the **Options** soft key, then highlight the **Shot Type** icon ( /  /  / ). The following values appear in the camera screen:
  - **Single Shot** — Lets you take 1 photo at a time.
  - **Series Shot** — Lets you take a series of 3 or 5 photos (**3 Auto / 3 Manual / 5 Auto / 5 Manual**).
  - **Divided Shot** — Lets you take a mosaic photo of 4 or 9 shots (**4 Auto / 4 Manual / 9 Auto / 9 Manual**).

- **Frame Shot** — Lets you select a colorful frame to include around your photos (use the Left and Right navigation keys to preview available frames).

---

**Note:** The **None** frame is a blank frame.

---

2. Select the desired Shot Type.

### Resolution

Resolution lets you change the clarity (in pixels) and size (in bytes) of your pictures.

1. In camera mode, press the **Options** soft key, then highlight the Resolution setting. The following values appear in the camera screen:
  - **640 X 480** (pixels)
  - **320 X 240** (pixels)
  - **176 X 144** (pixels)
2. Select the desired Resolution value.



---

**Note:** The Resolution setting affects zoom capabilities. When Resolution is set to **640 X 480**, zoom is not available. When Resolution is set to any value lower than **640 X 480**, zoom settings **1 – 7** are available.

---





## Night Shot

Night Shot lets you take pictures in low light conditions.


1. In camera mode, press the **Options** soft key, then highlight  or . The following options appear in the display:
  - Off
  - On
2. Select the Night Shot setting of your choice.

## 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 **Options** soft key, then highlight  /  /  / .  
The following values appear in the camera screen:
  - Off
  - 2 Sec.
  - 5 Sec.
  - 10 Sec.
2. Select a Self Timer value.

---

**Note:** If you select **2 Sec.**, **5 sec.**, or **10 sec.**, a Self Timer icon (such as ) appears in the camera screen in the display.

---

The next time you press , the countdown Self Timer indicates the time remaining before the camera takes the picture. The phone reads the countdown timer value to you beginning with two or three and continuing to zero, when the picture is taken.

---

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

---

## Quality

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

3. In camera mode, press the **Options** soft key, then highlight the current Quality indicator (**F**, **N**, **E**). The following values appear in the camera screen: **Fine**, **Normal**, or **Economy**.
4. Select the desired Quality value.

## White Balance

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

5. In camera mode, press the **Options** soft key, then highlight




The following values appear in the camera screen:

- **Auto** — The camera automatically adjusts picture quality to available light.
- **Sunny** — Use this setting when taking pictures in full sun.
- **Cloudy** — Use this setting when taking pictures in cloudy conditions.
- **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.

6. Select the desired White Balance value. The camera viewfinder screen appears in the display with your selected White Balance value applied.

The next time you press , the camera applies your selected White Balance value to your picture.

### **Color Effect**

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

7. In camera mode, press the **Options** soft key, then highlight . The following values appear in the display:

- **Normal** — Subjects and pictures appear with a normal hue.
- **Black&White** — Subjects and pictures appear in black and white.
- **Sepia** — Subjects and pictures appear in a brownish-gray hue.
- **Negative** — Subjects and pictures appear in inverted colors.
- **Green** — Subjects and pictures appear in a greenish hue.

---

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

---


8. Select the Color Effects value of your choice. The camera viewfinder screen appears in the display with your selected Color Effects value applied.

When you take your next picture, the camera applies your selected Color Effects value to your picture.


### **Settings**

When you change Camera Settings values, your changes are saved for future camera sessions, unlike changes to Camera Options. To restore Camera Settings to their default values, select **Reset Settings**. (For more information, refer to “Reset Settings” on page 83.)

## Auto Save


1. In camera mode, press the **Options** soft key, highlight , then select **Auto Save**. The following values appear in the display:
  - **Off**
  - **On**
2. Select the automatic save value of your choice. You're returned to the camera viewfinder screen.

## Icon Display

1. In camera mode, press the **Options** soft key, highlight , then select **Icon Display**. The following values appear in the display:
  - **Display All** — Shows camera icons as seen in “*Camera Screen Icons*” on page 77.
  - **Guideline** — Shows a cross hatch pattern in the view finder screen.
  - **No Icons** — Shows a nearly full-display subject image and without icons.
2. Select the viewfinder screen setting of your choice. You're returned to the camera viewfinder screen.



## View Mode

Choose the orientation for your pictures.


1. In camera mode, press the **Options** soft key, highlight , then select **View Move**. The following shutter sounds appear in the display:
  - **Landscape** — Your pictures are wider than they are tall.
  - **Portrait** — Your pictures are taller than they are wide.

## 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 **Options** soft key, highlight , then select **Shutter Sound**. The following shutter sounds appear in the display:
  - **Off**
  - **Shutter**
  - **OK**
  - **DingDong**
2. Select the shutter sound value of your choice. You're returned to the camera viewfinder screen. The next time you press , you'll hear your selected shutter sound.

## Reset Settings

- In camera mode, press the **Options** soft key, highlight , then select **Reset Settings**. You are prompted to confirm reset of all camera settings.
  - Select the **Yes** option to reset the camera settings to default values.
  - Select the **No** option to keep the current camera settings.

## Zoom

Zoom lets you temporarily enlarge the pictures you take. Increasing the Zoom (1 – 7) enlarges your pictures (0 is normal).

- In camera mode, press the Navigation key Up or Down to adjust the Zoom (the screen image enlarges to show the affects of your changes).

The next time you press **OK**, the camera takes an enlarged picture according to your selected Zoom setting.

## Brightness

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

- In camera mode, press the Navigation key Left or Right to adjust the Brightness (the screen image lightens or darkens to show the affects of your changes).

The next time you press **OK**, the camera takes a lighter or darker picture according to your selected Brightness setting.

## My Images

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.

- In camera mode, press the **My Images** soft key. Any pictures that you've saved appear in the display.

---

**Tip:** You can also access the My Images folder by pressing **Menu** (**OK**) and selecting **Multimedia** → **My Images**. (For more information, refer to “My Images” on page 85.)

---

- Use the Navigation key to browse pictures in the gallery.
- Press the **Options** soft key while viewing pictures in the Gallery. The following options appear in the display:
  - Send** — Send the currently displayed or highlighted picture as a Picture message.
  - Online Album** — Send a copy of the highlighted picture to your Album on your Wireless Carrier's server (using a Picture message).
  - Set As** — Assign the currently displayed or highlighted picture to be standby screen Main Wallpaper, as a Picture ID for someone in your Contacts list, or as Front Wallpaper.

- **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.
  - **Erase Files** — Erase selected unlocked pictures in the Picture Gallery. Locked pictures must be unlocked before you can erase them.
  - **Picture Info** — View the Title, time and date created, size, and resolution of the currently highlighted or displayed picture.
4. Select the desired option to perform the function for the option or enter its sub-menu.

### **Switch From Expanded to Thumbnail Mode**

1. Highlight a picture that you wish to view full size, then press **VIEW** (OK).
2. To return to the thumbnail view of your photos, press **VIEW** (OK).

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

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

1. In camera mode, take a desired picture by pressing **TAKE** (OK).

2. Press **Send** (OK). The **Create Pic Msg** screen appears in the display.
3. Enter or **Add** the recipient's phone number or Email address using the keypad.
4. Press **OK** (OK). The address(es) are saved and the **Subject** field appears in the **Create Pic Msg** screen. Use the Navigation key to move to the other message fields. (For more information, refer to “*Messaging*” on page 50.)
5. When you are finished composing your message, press **SEND** (OK) to send the Picture message to the intended recipients.

## Section 12: Multimedia

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

### Accessing Multimedia

1. In standby mode, press **Menu** (OK), then select **Multimedia**. The following sub-menus appear in the display:
  - **Camera** — Lets you launch and set up your phone's camera. (For more information, refer to “*Camera*” on page 74.)
  - **My Images** — Lets you choose the pictures that appear in your phone's display or in picture messages.
  - **My Ringtones** — Lets you assign ringtones for Ringtone (calls), Contact ID, and Alert Tone.
  - **My Sounds** — Lets you assign sound files as ringers for Ringtone (calls), Contact ID, and Alert Tone.

---

**Tip:** To launch the Multimedia menu using a voice command — In standby mode, press and hold  until the phone prompts, “**Say a command.**” Say “**Go to Multimedia**” into the microphone.

---

2. Select the desired sub-menu. 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. At the **Multimedia** menu, select **My Images**. A matrix of thumbnail images of your pictures appears in the display.



---


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

- The **Camera** screen by pressing the **My Images** soft key
- The **Edit Contact** screen by selecting the picture ID field and pressing the **Set** soft key.

- 
2. Highlight a picture, then press **OK** to expand the highlighted picture to fill the screen.
  3. Press the **Options** soft key.



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

- **Send** — Lets you send the selected image to a specified recipient in a Picture message.
  - **Online Album** — Send a copy of the highlighted picture to your Album on your Wireless Carrier's server (using a Picture message).
  - **Set As** — Lets you assign the selected picture as the **Main Wallpaper**, as the **Picture ID** for a Contact, or as the **Front Wallpaper**.
  - **Rename** — Lets you rename the picture.
  - **Lock / Unlock** — Lets you prevent/permit picture deletion.
  - **Erase Files** — Erases one or more selected pictures.
  - **Picture Info** — Displays information about the picture, such as the picture **Name**, creation **Date** and **Time**, **Resolution**, and the data **Size**.
4. Select the desired option.
  5. To return to the previous menu, press **CLR**. To return to standby mode, press .

## My Ringtones

My Ringtones lets you assign ringtones (preloaded and downloaded) for Ringtone, Contact Id, and as Alert Tone.

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




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

—A **Set Alarm** screen by selecting the **Ringer** option, highlighting the second (file name) field, pressing the Left or Right navigation key, and selecting **My Ringtones**.  
(For more information, refer to “Alarm Clock” on page 96.)

—The **Edit Contact** screen by selecting the **Ringtone** field, pressing the **Set** soft key, and selecting **My Ringtones**.  
(For more information, refer to “Editing a Contacts Entry” on page 40.)

2. Use the Navigation key to highlight a particular ringtone.
  - Press **OK** to **PLAY** the ringtone.
  - Press the **Info** soft key to show the Title and File Type.
3. Press the **Set As** soft key to assign the highlighted ringtone. 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 Msg**, **Text Msg**, **Picture Msg**, or **Voicemail Msg**.
4. Select the desired option.
  5. When using a downloaded ringtone, press the **Options** soft key and the following options appear in the display:
    - **Lock / Unlock** — Lets you prevent/permit file deletion
    - **Erase** — Erases the selected file.
    - **Rename** — Lets you rename the selected file.
    - **Ringtone Info** — Displays information about the selected file, such as the file name, the file type, and the data size .
    - **Send Via Bluetooth** — Lets you send a copy of the selected file to another device over a Bluetooth connection.
  6. Select the desired option.
  7. To return to the previous menu, press **CLR**. To return to standby mode, press .

## My Sounds

My Sounds lets you record voice memos and lets you assign preloaded and downloaded sound files as Ringtones, Contact IDs, or Alert Tones.


1. At the **Multimedia** menu, select **My Sounds**. **Record New** and a list of sound files appears in the display.




---


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

- A **Set Alarm** screen by selecting the **Ringer** option, highlighting the second (file name) field, pressing the Left or Right navigation key, and selecting **My Sounds**
  - The **Edit Contact** screen by selecting the **Ringtone** field, pressing the **Set** soft key, and selecting **My Sounds**.
- 

2. Use the navigation keys to highlight the **Record New** option, then press  to record a voice memo. (See “Record New Voice Memo” on page 88 for more information.)
3. Press the **Options** soft key.
  - For a preloaded sound file, a pop-up menu containing the following options appears in the display:

- **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.
  - **Erase All** — Erases all sound files.
  - **Sound Info** — Displays information about the sound file, such as the Title, File Size, and File Type.
- For a recorded sound file, a pop-up menu containing the following options appears in the display:
    - **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.
    - **Rename** — Lets you rename the sound file.
    - **Lock / Unlock** — Lets you protect the sound file from being deleted.
    - **Erase All** — Erases all sound files.
    - **Sound Info** — Displays information about the sound file, such as the Title, File Size, and File Type.
  - For a downloaded sound file, the following options appear in the display:
    - **Send** — Lets you send the selected sound file to a specified recipient in a Picture message.
    - **Online Album** — Lets you send the selected sound file to an Online Album on U.S. Cellular's server. For details, contact U.S. Cellular.

- **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.
- **Rename** — Lets you rename the sound file.
- **Lock / Unlock** — Lets you protect the sound file from being deleted.
- **Erase All** — Erases all sound files.
- **Sound Info** — Displays information about the sound file, such as the file name, file type, and the data size.

4. Select the desired option.
5. To return to the previous menu, press **[CR]**. To return to standby mode, press .

### **Record New Voice Memo**

You can use your phone to record voice memos for later playback. You can also record the caller on the other end of the line during a phone conversation.

---

**Note:** There is limited space for the length of recordings.

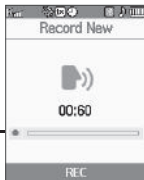
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- The maximum length for a single voice memo is 60 seconds.

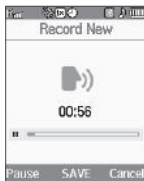
## Record a Voice Memo

1. At the **Multimedia** menu, select **My Sounds** → **Record New**. The **Record New** screen appears in the display.

**Tip:** You can also set your phone to record a Voice Memo while in a call. This lets you record the phone call. (For more information, refer to “The In-Use Options Menu” on page 23.)



2. Press **OK**, 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 **Resume** to continue recording.
3. Press **OK** once you're finished recording. The new recording is automatically saved.



## Review Voice Memos

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

1. At the **Multimedia** menu, select **My Sounds**. A list of sound files appears in the display.
2. Use the navigation keys to highlight the voice memo you wish to review.
3. Press **OK** to play the voice memo.

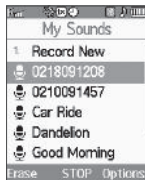
- To stop the memo, press **OK**. Press **OK** again to restart playing the memo.

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



## Erase a Voice Memo

1. At the **Multimedia** menu, select **My Sounds**. A list of sound files appears in the display.
2. Use the navigation keys to highlight the voice memo you wish to erase.



3. Press the **Erase** soft key. "**Erase Sound?**" appears in the display.
4. Press the **Yes** soft key to erase the selected voice memo or press the **No** soft key to return to the list of sound files.

## Section 13: Tools

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

### Tools Menu

Tools is a suite of Personal Information Manager (PIM) applications such as a Calendar, and Memo Pad that run on your phone. You can use your phone to schedule events, set reminders, perform calculations, and more with the functions provided by this useful feature.

#### Opening Tools Menu

1. In standby mode, press **Menu** (OK), then select **Tools**. The following sub-menus appear in the display:
  - **Voice SVC** — Lets you access voice recognition functions.
  - **Memo Pad** — Lets you store and review useful information.
  - **Alarm Clock** — Lets you set an alarm to go off once, or daily, at a specified time.
  - **World Time** — Lets you view the current time of day or night in another part of the world.
  - **Calculator** — Lets you perform calculations, including addition, subtraction, multiplication, and division.
  - **Stop Watch** — Lets you view the amount of time.

- **Converter** — Lets you convert currencies (according to the latest rates) and weights, measures, and temperatures from one system or increment to another.
- **Tip Calculator** — Lets you quickly calculate service gratuities with a minimum of keypresses.

---

**Tip:** To launch the **Tools** menu using a voice command — In standby mode, press and hold **[OK]** until the phone prompts, “**Say a command.**” Say “**Go to Tools**” into the microphone.

---

2. Select the desired Tool sub-menu.

The following sections provide detailed descriptions of the Tools and how to use their functions.

### Voice Service

VoiceSignal is state-of-the-art voice recognition software for your mobile phone that lets you dial numbers, lookup contact information, and open applications using your voice. To access your phone's voice settings, do the following:

1. At the **Tools** menu, select **Voice SVC**.

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 “*Making a Call — Voice Dialing*” on page 21 and “*Voice Method*” on page 37 for more information.)

- **Voice Settings** — Lets you adjust VoiceSignal to better suit your needs.

2. Select the desired sub-menu.

## Voice Commands

To start VoiceSignal, do one of the following:

- In standby mode, press and hold .

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

- At the **Tools** menu, select **Voice SVC → Voice Command**.

---

**Note:** You can also set your phone to start VoiceSignal when you open the phone. (For more information, refer to “*Voice Launch*” on page 95.)

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VoiceSignal includes the following 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 “*Making a Call — Voice Dialing*” on page 21.)

- **Send Text** — Lets you launch the **Create Txt Msg** screen. (For more information, refer to “*Create and Send Text Messages*” on page 50.)
- **Send Picture** — Lets you launch the **Create Pic Msg** screen. (For more information, refer to “*Send Picture Messages in Standby Mode*” on page 54.)
- **Lookup** — Lets you look up and display contact information for any name stored in your Contacts list by saying the name. (For more information, refer to “*Finding a Contacts Entry*” on page 37.)
- **Go to** — Lets you access all of the Main Menus on your phone.
- **Check** — Lets you check your phone's status (that is, network coverage, signal strength, and battery in the same report), network coverage, signal strength, battery, and phone number.

---

**Note:** Speaking clearly, say the command that you want to use.

If, after a few seconds, the device has not recognized a command, it prompts you to repeat the command.

If, after a few more seconds, it still has not recognized a command, it tells you “**Sorry, no match found,**” and cancels voice recognition.

---

### Voice Command Tips:

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

## Voice-Activating Your Contacts List

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

## Ending Calls Before Restarting the VoiceSignal Software

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

## Voice Settings

### Choice Lists

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

You can change the way that VoiceSignal uses choice lists with name dialing, digit dialing, and contacts. For each feature, you can choose to always see a choice list (even if there is only one choice), or never see a choice list (even if there are multiple choices). If you leave the setting at “Automatic,” VoiceSignal displays a choice list only when it is not confident it has correctly recognized the name or number.

To change the way VoiceSignal uses choice lists:

- ▶ At the **Voice SVC** sub-menu, select **Voice Settings** → **Choice Lists** the following options appear in the display:
  - **Automatic**—VoiceSignal displays a choice list only when it is not sure if it has correctly recognized the name or number.
  - **Always On**—VoiceSignal always displays a choice list, even when there is only one choice.
  - **Always Off**—VoiceSignal never displays a choice list.Select the preferred Choice List behavior.

### Sensitivity

1. At the **Voice SVC** sub-menu, select **Voice Settings** → **Sensitivity**. The **Sensitivity** screen appears in the display.
2. Use the Navigation key to adjust the selected Sensitivity setting toward **Reject More** spoken commands or names or toward **Reject Less** spoken commands or names.
3. To accept the new setting, press **OK**.

### Digit Dialing

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



---

**Note:** After you adapt Digit Dial, your phone is customized to your voice, and your voice only. Others will not be able to use it unless they reset the Digit Dialing to factory defaults. (For more information, refer to “Reset Digits” on page 95.)

---

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

#### Tips for Adapting Digit Dialing

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

#### Adapt Digits

To adapt digit dialing, do the following:

1. At the **Voice SVC** sub-menu, select **Voice Settings** → **Digit Dialing** → **Adapt Digits**.

Your phone displays the first digit sequence and “**Please say**” plays through the speaker followed by the four digits appearing in the display.

2. Wait for the beep and say the digits using your normal tone of voice. After a moment, the phone plays back the recording and prompts “Did the recording sound ok?”
  - If the recording was good, say “**Yes**.”
  - If you need to re-record, say “**No**.”If you say “**No**,” the phone prompts you to pronounce the digits again. Wait for the beep and then say the digits. Repeat this step until you’re satisfied with the recording.
3. After confirming that the recording sounds “ok”, continue the recording process with the next set of digits.
4. After six sets of digits, the phone asks whether you want to do more adaptation. Answer “**Yes**.”
5. Repeat steps 4 and 5 for another six sets of digits. After the second group of six sets of digits, “**Adaptation complete**” plays through the speaker and you are returned to the **Adapt Digits** menu.

## Reset Digits

To reset digit dialing to factory default settings, do the following:

1. At the **Voice SVC** sub-menu, select **Voice Settings → Digit Dialing → Reset Digits**.

The phone prompts you to confirm digit reset.

2. To reset your digit adaptation, press the **OK** soft key. To cancel, press the **Back** soft key.


## Sound

Sound lets you specify what (if any) text prompts you want your phone to read to you through the earpiece.

1. At the **Voice SVC** sub-menu, select **Voice Settings → Sound**. The following options appear in the display:
  - **Prompts** — Enables (**On**) or disables (**Off**) playing of prompts.
  - **Digits** — Enables (**On**) or disables (**Off**) playing of digits.
  - **Names** — Enables (**On**) or disables (**Off**) playing of names.
  - **Name Settings** — Lets you adjust the speed and volume of your phone's audio name playback.
2. Select the desired option and setting.

## Voice Launch

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

1. At the **Voice SVC** sub-menu, select **Voice Settings → Voice Launch**. The following options appear in the display:
  - **Key Only** — Press and hold  to activate VoiceSignal for one call.
  - **Key/Ear Mic** — Attach a headset to your phone. Press and hold  to activate VoiceSignal. Now, you can make and end calls using VoiceSignal by pushing the button on the headset.
  - **Key/Flip** — Press and hold  or open the flip to activate VoiceSignal for one call.
2. Select the Voice Launch option you want.

## About VoiceSignal

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

1. At the **Voice SVC** sub-menu, select **Voice Settings → About**.

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

## Memo Pad

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

### Add a Memo

1. At the **Tools** menu, select **Memo Pad**. If you have any stored memos, they appear as a list in the display. If this is your first time in **Memo Pad**, "**No memos**" appears in the display.
2. To add a new memo, press the **Add** soft key.
3. Enter memo text using the keypad. (For more information, refer to "*Entering Text*" on page 33.)
4. When you're finished entering memo text, press **OK** to save the memo.

### View, Edit, and Erase Memos

1. At the **Tools** menu, select **Memo Pad**. A list of your stored memos appears in the display.
2. Highlight the desired memo.
3. To view the memo, press **VIEW** (**OK**).
4. To edit the memo you are viewing, press the **Edit** soft key.

Enter text changes using the keypad. (For more information, refer to "*Entering Text*" on page 33.)

5. To erase the memo you are viewing, press the **Options** soft key, then select **Erase**. You are prompted to verify the erasure.
  - To erase the memo, press the **Yes** soft key.
  - To keep the memo, press the **No** soft key.

## Alarm Clock

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

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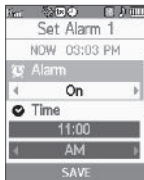
**Note:** The alarm doesn't function when the phone is turned off. If the time for an alarm that was set for Once has elapsed and the phone is off, the alarm occurs at the same time on the following day.

---

1. At the **Tools** menu, select **Alarm Clock**. The following options appear in the display:
  - **Alarm 1**
  - **Alarm 2**
  - **Alarm 3**

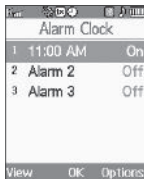
2. Select an Alarm. A **Set Alarm** screen appears in the display containing the following options:

- **Alarm**
- **Time**
- **Frequency**
- **Ringer**



3. Highlight the options you wish to change, then select values for the options using the Left and Right navigation keys.

To enter the Time for the alarm, use the keypad.



4. When you're finished entering and selecting values for the alarm, press **OK**. The alarm is set and the alarm icon (🕒) appears in the top of the display.

### **When an Alarm Sounds**

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

- To silence the alarm, use the Navigation key to select **Dismiss**.

- If the alarm was set as a Daily alarm, the alarm icon remains in the top of the display.
- If the alarm was set as a Mon.-Fri., the alarm icon remains in the top of the display.
- If the alarm was set as a Weekends only alarm, the alarm icon remains in the top of the display.
- If the alarm was set as a Once only alarm, the alarm icon disappears from the top of the display.

### **Turn Off the Alarm**

Turning off an Alarm stops it from sounding when the set time is reached while retaining the Alarm settings for your reuse.

1. At the **Tools** menu, select **Alarm Clock**.
2. Highlight **Alarm 1 / Alarm 2 / Alarm 3**.
3. Press the **Options** soft key and select **Off**. The highlighted Alarm is turned off, but the alarm settings are retained for later reuse.

### **Reset the Alarm**

Resetting one or all Alarms erases all of your Alarm settings and restores the default settings.

1. At the **Tools** menu, select **Alarm Clock**.

- If desired, highlight **Alarm 1 / Alarm 2 / Alarm 3**.
- Press the **Options** soft key. Select from the following options:
  - On / Off** — Enables or disables the highlighted Alarm, using current settings.
  - Reset Alarm** — Resets the highlighted Alarm to default settings.
  - Reset All** — Resets all Alarms to default settings.

## World Time

World Time lets you view the time of day or night in another part of the world. World Time displays time in the 24 different time zones around the world.

- At the **Tools** menu, select **World Time**. A world map appears in the display.
- To display the time zone and city that you wish to view, press the Navigation key Left or Right.  
— or —



Press the **Options** soft key and select **Go to City**, then press the Navigation key or the Volume key Up or Down.

The following time zones/cities are supported:

<b>EST/EDT:</b> Miami New York	Caracas	La Paz	Newfoundland
Buenos Aires	Brasilia	Mid Atlantic	Cape Verde
Lisbon	London	Paris Rome Berlin	Athens Helsinki Istanbul
Nairobi	Moscow	Jidda	Tehran
Abu Dhabi	Kabul	Tashkent	Mumbai
New Delhi	Colombo	Kathmandu	Alma-ata
Bangkok	Jakarta	Hong Kong	Beijing
Seoul	Tokyo	Adelaide	Guam
Sydney	Okhotsk	Wellington	Auckland
Samoa	Midway	<b>HAST/HADT:</b> Honolulu Hawaii	<b>AKST/AKDT:</b> Alaska

PST/PDT:	MST/MDT:	CST/CDT:	
San Francisco	Denver	Dallas	
Los Angeles	Phoenix	Chicago	

3. Do one of the following:

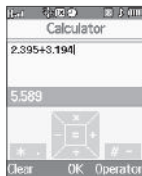
- To show Daylight Savings Time (DST) for the displayed time zone, press the **DST On** soft key [the DST on icon (☀) appears]; or press the **DST Off** soft key to display standard time.
- To set the displayed time zone as the home time zone for your phone, press the **Options** soft key and select **Set as home zone**. You are prompted to confirm the Home Zone change. To save your change, press the **Yes** soft key. The home zone marker moves to the displayed time zone.
- To keep the displayed time zone as a second, default time zone, press **OK**. You are returned to the **Tools** menu.
- To discard the displayed time zone and close the World Time screen, press **CLR**. You are returned to the **Tools** menu.

## Calculator

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

1. At the **Tools** menu, select **Calculator**.

The **Calculator** appears in the display.



2. Enter the first number in your calculation using the keypad (numbers can be up to nine digits long).

- To enter a decimal point, press **[.]**. (Calculator only accepts 2 digits after a decimal point.)
- To change the sign for a number to a negative, press **[+/-]**.

3. Use the Navigation key to set the type of calculation that you wish to perform. Your choices are as follows:

- **Up** navigation key — **[x]** Multiplication
- **Left** navigation key — **[-]** Subtraction
- **OK** key — **[=]** Equals/Total
- **Right** navigation key — **[+]** Addition
- **Down** navigation key — **[÷]** Division

For nested operations [such as  $(1.81 + 9.34) / 5.22$ ] and to calculate powers (such as  $3^2$ ), press the **Operator** soft key.

The following options appear in the display:

- **(** — Beginning of nested operation
- **)** — Ending of nested operation
- **Power** — Raise the current number to the power of your next entry

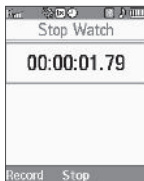
4. Use the keypad to enter the next number in your calculation.

- Repeat steps 3 and 4 as needed.
- To perform the calculation and view the result, press **OK**.  
To clear your last operation or number entry, press **CLR**.  
To clear all of your entries, press the **Clear** soft key.

## Stop Watch

You can use this menu to set a stop watch.

- At the **Tools** menu, select **Stop Watch**.
- Press **OK** to Start, Stop, and continue the stopwatch count.
- Press the **Record** soft key at the start of each succeeding event/lap to record the completion time for the previous event/lap.
- Press the **Reset** soft key to erase all stop watch (lap) times recorded.



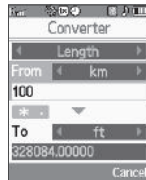
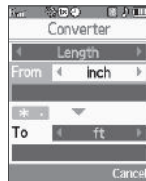
## Converter

The conversion menu provides the following conversion features:

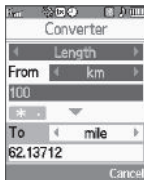
- Currency
- Length
- Weight
- Volume
- Area
- Temperature

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

- At the **Tools** menu, select **Converter**.
- Select the conversion feature you wish to use. The selected conversion feature screen appears in the display with the **From** unit field highlighted.
- Use the Left and Right navigation keys to select the unit to be converted **From**.
- Highlight the **From** quantity field.



- Use the keypad to enter the quantity you want converted in the **From** quantity field.
- Highlight the **To** unit field.
- Use the Left and Right navigation keys to select the units to be converted **From** and **To**. The converted quantity appears in the **To** quantity field.



**Note:** To include a decimal point, press .

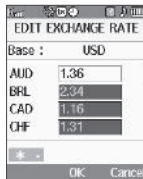
### Currency — Reviewing|Editing Exchange Rates

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:

- At the **Tools** menu, select **Converter** → **Currency**.
- Press the **Rate** soft key. The **Exchange Rate** list for the **USD** (U.S. Dollars) currency appears in the display.
- Highlight the currency exchange rate you want to review or change.



- To change the highlighted exchange rate, press **EDIT** ().
- Use the keypad to change the current exchange rate. (For more information, refer to “Entering Numbers” on page 34.)
  - To save the changed exchange rate, press **OK** ().
  - To discard your changes and return to the Currency Converter screen, press the **Cancel** soft key.



### 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:

- At the **Tools** menu, select **Converter** → **Currency**.
- Press the **Rate** soft key. The **Exchange Rate** list for the **USD** (U.S. Dollars) currency appears in the display.



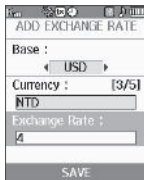
3. Press the **Add** soft key. The **Add Exchange Rate** screen appears in the display with the **Base** field highlighted.



4. Use the Left and Right navigation keys to select the Base currency to be converted from.

5. Highlight the **Currency** field.

6. Enter an identifier of up to 5 characters for the new currency using the keypad. (For more information, refer to “Entering Text” on page 33.)



7. Highlight the **Exchange Rate** field.

8. Enter a decimal exchange rate for the new currency using the keypad. (For more information, refer to “Entering Numbers” on page 34.)

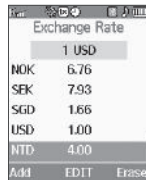
---

**Note:** Press the **[\*+]** key to enter the decimal point.

The **Exchange Rate** field only accepts up to 5 digits after the decimal point.

---

9. To save the new exchange rate, press **OK**. The **Exchange Rate** list for the **USD** (U.S. Dollars) currency appears in the display with your new exchange rate at the bottom of the list.

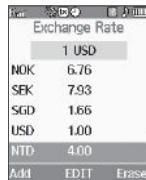


### Currency — Erasing Exchange Rates

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. At the **Tools** menu, select **Converter → Currency**.
2. Press the **Rate** soft key. The **Exchange Rate** list for the **USD** (U.S. Dollars) currency appears in the display.
3. Highlight the currency exchange rate to be erased.
4. Press the **Erase** soft key. You are prompted to confirm the erasure.

- To erase the highlighted exchange rate, press the **Yes** soft key.
- To keep the highlighted exchange rate, press the **No** soft key.

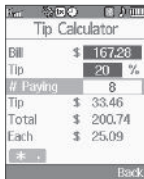


## Tip Calculator

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 percentage, and the number of people paying.



1. At the **Tools** menu, select **Tip Calculator**. The Tip Calculator screen appears in the display with the **Bill** field highlighted.
2. Use the keypad to enter the total amount of the bill.

---

**Note:** To include a decimal point, press the  key.

---

3. If needed, highlight the **Tip** field and use the keypad to change the tip percentage.
4. If needed, highlight the **# Paying** field and use the keypad to change the number of persons paying.
5. The amount of the Tip, the bill Total, and the amount each person should pay appear in the lower half of the screen.

## Section 14: Changing Your Call and Phone Setting

---

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

### Accessing Your Call and Phone Settings

1. In standby mode, press **Menu** (OK), then select **Settings**.

---

**Tip:** To launch the **Settings** menu using a voice command — In standby mode, press and hold **OK** until the phone prompts, “Say a command.” Say “Go to Settings” into the microphone.

---

The **Settings** menu appears in the display showing the following options and sub-menus:

- **Location** — Set your phone to send location data continually or only when you dial 911.
- **Call Settings** — Set how your phone handles voice and data calls.
- **Phone Settings** — Set your phone’s safety, network, and security options.
- **Memory Info** — Select where photos are stored, manage your phone’s memory, and format and manage Memory Card storage.
- **Phone Info** — Access information about your phone, such as your phone number, meanings of phone status icons, hardware and software versions, and more. (Some of this information is valuable to you if you need to call for customer support.)

2. Select the desired option or sub-menu.

### 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 U.S. Cellular to determine whether, when, or where location-based services are available.

---

1. At the **Settings** menu, select **Location**.

The following options appear in the display:

- **Location On** — GPS location is on whenever you make or receive a call, wherever the feature is available.
  - **911 Only** — GPS location is on only when you dial 911.
2. Select the desired Location setting. You’re returned to the **Settings** menu.

### Call Settings

The Call Settings options let you select how your phone handles voice and data calls.




To access the Call Settings sub-menu, do the following:

- ▶ At the **Settings** menu, select **Call Settings**. The **Call Settings** sub-menu appears in the display.

The following sub-sections detail the available Call Settings.

### **Call Answer**

You can select a specific answer mode when you receive an incoming call. Your phone can be preset to answer when you do any of the following:

- Press any key
  - Press the Send key
  - Open the flip
1. At the **Call Settings** sub-menu, select **Call Answer**. The **Call Answer** sub-menu with the following options appears 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.
    - **Flip Open** — Open the flip 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 105.)

---

2. Select the method you wish to use for answering calls.

### **Auto Answer**

Auto Answer enables your phone to automatically answer calls after a period of time that you specify.

1. At the **Call Settings** sub-menu, select **Auto Answer**. The following options 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 setting.

### **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. At the **Call Settings** sub-menu, select **Auto Retry**. The **Auto Retry** sub-menu with the following options appears in the display:
  - **Off** — Disables automatic redialing of numbers

- **Every 10 Seconds** — Phone automatically redials a number every 10 seconds
- **Every 30 Seconds** — Phone automatically redials a number every 30 seconds
- **Every 60 Seconds** — Phone automatically redials a number every 60 seconds

2. Select the desired setting.

### TTY Mode

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



1. At the **Call Settings** sub-menu, select **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**.

---

- To access the TTY Mode options, press the **Yes** soft key.

- To return to the **Call Settings** sub-menu, press the **No** soft key.
2. When 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** — Enables TTY mode and microphone
    - **TTY + Hear** — Enables TTY mode and earpiece
    - **TTY Off** — Disables TTY mode
  3. Select the desired TTY Mode setting.

---

**Note:** The TTY icon (  ) appears in the top of the display when the phone is in standby mode.

---

### Voice Privacy

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

1. At the **Call Settings** sub-menu, select **Voice Privacy**. The following options appear in the display:
  - **Standard** — Voice privacy is disabled.
  - **Enhanced** — Voice privacy is enabled.
2. Select the Voice Privacy setting of your choice.

## Data Settings

Use the **Data Settings** sub-menu to configure data connection settings.

1. At the **Call Settings** menu, select **Call Settings → Data Settings**. The following options appear in the display:
  - **Data Off** — No incoming data calls accepted.
  - **Data For Next Call** — Wait for data call for the next 10 minutes.
  - **Data Until Powered Off** — Data calls only, no voice calls accepted, until you power the phone off and on again.
2. Select the data setting of your choice.

## International Dialing

Use this option to select a frequently-dialed country code for dialing by the **International Dialing** shortcut. (For more information on using the International Dialing shortcut, see “*Call Another Country — Shortcut Method*” on page 19)

1. At the **Call Settings** sub-menu, select **International Dialing**. A list of country codes appears in the display.
2. Select the country code of your choice.

## Phone Settings

The Phone Settings options let you tailor your phones basic operations. To access the Phone Settings sub-menu, do the following:

- ▶ At the **Settings** menu, select **Phone Settings**. The **Phone Settings** sub-menu appears in the display.

The following sub-sections detail the available 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. At the **Phone Settings** sub-menu, select **Airplane Mode**. The following options appear in the display:
  - **On** — Disables the radio transmitter and receiver in your phone
  - **Off** — Enables the radio transmitter and receiver in your phone
2. Select the desired Airplane Mode setting.

## Shortcut Key

Shortcut Key lets you set which feature, function, or application launches when you press the Up navigation key while in standby mode.

1. At the **Phone Settings** sub-menu, select **Shortcut Key**.

The following options appear in the display:

- My Images
- My Ringtones
- My Sounds
- Inbox
- Tools
- Calculator
- Tip Calculator
- Converter
- Calendar
- Alarm Clock
- Stop Watch

2. Select the desired setting.

## Language

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

1. At the **Phone Settings** sub-menu, select **Language**. The following options appear in the display:

- English
- Español

2. Select your language preference.

## Security

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

To access the **Security** menu, do the following:

1. From the **Settings** menu, select **Phone Settings** → **Security**.

The “**Enter Code**” prompt appears in the display.

2. Enter the four-digit lock code using the keypad.

---

**Note:** The default lock code is the last four digits of your mobile phone number.

---

The “**Enter Code**” prompt disappears and the **Security** 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. At the **Security** sub-menu, select **Lock Phone**. The following Device Lock Mode options 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 Device Lock Mode option of your choice.

## Change Lock

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. At the **Security** sub-menu, select **Change Lock**. You're prompted to enter the new lock code.

2. Enter the new lock code. You're prompted to re-enter the new lock code for verification.
3. Enter the new lock code again. Your changes are 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. At 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).
4. Press  to save the number that you entered.

### Call Emergency Numbers in Lock Mode

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

### **Resetting Your Phone**

Reset Phone returns all setup options to their factory default.

1. At the **Security** sub-menu, select **Reset Phone**. You are prompted to confirm that you want to restore your phone's default settings (except for the Contacts and Voice Dial).
  - To restore default settings, press the **Yes** soft key.

- To retain your current settings and return to the **Security** sub-menu, press the **No** soft key.

### **Erase All Entries**

Erase All Entries erases all information from your Contacts list.

---

**Note:** To completely remove any personal information stored on your device, see "Precautions for Transfer and Disposal" on page 147.

---

1. At the **Security** sub-menu, select **Erase All Entries**. You're prompted to enter the lock code again.
2. Enter the four-digit lock code using the keypad.

---

**Note:** The default lock code is the last four digits of your mobile phone number.

---

The "**Erase All Entries?**" prompt appears in the display.

- To erase all Contacts list entries, press the **Yes** soft key.
- To keep the current Contacts list entries, press the **No** soft key.

### **Restriction**

Restriction lets you limit the use of your phone to make outgoing calls and/or to receive incoming calls to any numbers, to no numbers, or to calls from/to your Contacts.

1. At the **Security** sub-menu, select **Restriction**.

The following options appear in the display:

- **Outgoing** — Restrict/allow outgoing calls.
  - **Incoming** — Restrict/allow incoming calls.
  - **Contacts** — Restrict/allow all access to your Contacts list.
2. Highlight the desired Restriction and press **OK**. The following options appear in the display:
    - **On** — Restrict (block) selected calls.
    - **Off** — No restriction on selected calls.

---

**Note:** Default setting for all Restrictions is **Off**.

---

3. Select the desired setting.

### **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. At the **Phone Settings** sub-menu, select **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 option. 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. At the **Phone Settings** sub-menu, select **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** — The Preferred Roaming List (PRL) is used to acquire service. If no preferred systems are found, any digital system is acquired.

2. Select the desired roaming option.

### **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.

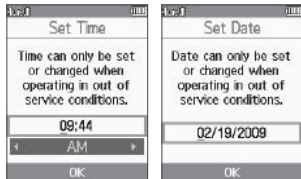
---

1. At the **Phone Settings** sub-menu, select **Set Time**. The following options appear in the display:
  - **Set Time**

- **Set Date**
2. Select the desired option.

For **Set Time**, the **Set Time** screen appears in the display.

For **Set Date**, the **Set Date** screen appears in the display.



- Enter the current time using your keypad.  
The hour and minute must be entered using two digits each and in 12-hour format.
- Use the Left and Right navigation keys to select **am** or **pm**.
- Press **OK** to save your time setting.
- Enter the current date using your keypad.  
The month and day must be entered using two digits each. The year must be entered using all four digits.
- Press **OK** to save your date setting.

### Quick Search

**Quick Search** is an easy way to locate Menu items and Contacts.

1. At the **Phone Settings** sub-menu, select **Quick Search**.

The following options appear in the display:

- **On** — Quick Search is enabled
  - **Off** — Quick Search is disabled
2. Select the desired Quick Search setting.

### Searching for a Menu Item

1. In standby mode, press the first few numeric keys that correspond to the letters of the desired Menu item name.

For example, to search for “Inbox” you could enter:



2. Press the Down navigation key. The **Menu List** screen appears in the display showing all menu items with names that correspond to your key entries.
3. Select the desired menu item.

### Searching for a Contact

1. In standby mode, press the first few numeric keys that correspond to the letters of the Contacts name.

For example, to search for “Sally” you could enter:




S



A



L

2. Press the **Up** navigation key. The **Find** screen appears in the display showing the Contacts entries with names that correspond to your key entries.
3. Highlight the desired Contacts entry.
4. Press  to call the highlighted Contact.

## Memory Info

Memory Info options let you review your phone’s available memory and help you manage your files stored there.

To access the Memory Info options:

- ▶ At the **Settings** menu, select **Memory Info**. The following options appear in the display:

## Memory Usage

1. At the **Memory Info** screen, select **Memory Usage**. The **Memory Usage** screen appears in the display showing the following information:
  - **Total Used** memory

- **Available** unused memory
- **My Images** memory usage
- **My Ringtones** memory usage
- **My Sounds** memory usage
- **Applications** memory usage
- **PIC Msg** memory usage

2. To return to the **Settings** menu, press .

## My Images

My Images lets you review a list of the pictures you have stored on your phone and free memory for reuse by deleting unwanted pictures.

---

**Tip:** You cannot view your pictures from this files list. To view your pictures, press  → **Menu** → **Multimedia** → **My Images**.

---


1. At the **Memory Info** screen, select **My Images**. The **My Images** screen appears in the display listing the picture files currently stored in your phone.
2. To delete one or more image files, press the **Erase** soft key. The **Erase Picture** screen appears in the display.
  - To MARK individual picture files for erasure, select each file. A checkmark appears to the left of each picture entry.
  - To Mark All picture files for erasure, press the **Mark All** soft key.

- To erase the marked files, press the **Done** soft key.
3. To return to the **Memory Info** menu, press **OK** (OK).

## My Ringtones

My Ringtones lets you review a list of the downloaded ringtone files you have stored on your phone and free memory for reuse by deleting unwanted downloaded ringtones.

---

**Tip:** You cannot review your downloaded ringtones from this files list. To review your downloaded ringtones, press  → **Menu** → **Multimedia** → **My Ringtones**.

---

1. At the **Memory Info** screen, select **My Ringtones**. The **My Ringtones** screen appears in the display listing the downloaded ringtone files currently stored in your phone.
2. To delete one or more ringtone files, press the **Erase** soft key. The **Erase Ringtone** screen appears in the display.
  - To MARK individual ringtone files for erasure, select each file. A checkmark appears to the left of each ringtone entry.
  - To Mark All ringtone files for erasure, press the **Mark All** soft key.
  - To erase the marked files, press the **Done** soft key.
3. To return to the **Memory Info** menu, press **OK** (OK).

## My Sounds

My Sounds lets you review a list of recorded Voice Memos and sound files you have stored on your phone and free memory for reuse by deleting unwanted files.

---

**Tip:** You cannot review your recorded Voice Memos and sound files from this files list. To review your recorded Voice Memos and sound files, press  → **Menu** → **Multimedia** → **My Sounds**.

---

1. At the **Memory Info** screen, select **My Sounds**. The **My Sounds** screen appears in the display listing the recorded sound files currently stored in your phone.
2. To delete one or more recorded sound files, press the **Erase** soft key. The **Erase Sound** screen appears in the display.
  - To MARK individual sound files for erasure, select each file. A checkmark appears to the left of each sound entry.
  - To Mark All sound files for erasure, press the **Mark All** soft key.
  - To erase the marked files, press the **Done** soft key.
3. To return to the **Memory Info** menu, press **OK** (OK).

## Phone Info

The Phone Info options show you the hardware and software versions of your phone, definitions of the icons that appear at the tops of the phone displays, and 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 U.S. Cellular.

1. At the **Settings** menu, select **Phone Info → Phone Number**. The phone number assigned by U.S. Cellular appears in the display.
2. To return to the **Phone Info** menu, press **OK**.

### 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. At the **Settings** menu, select **Phone Info → Icon Glossary**. A list of the icons that can appear on the top line of the display shows in the display.

2. Use the Up and Down navigation keys or the Volume key to scroll through the icons list.
3. To return to the **Phone Info** menu, press **OK**.

### 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. At the **Settings** menu, select **Phone Info → Version**.  
Your phone's software (S/W), preferred roaming list (PRL), **easyedge**<sup>SM</sup> (Easyedge), and hardware-related information (H/W, MEID, and pESN) appears in the display.
2. To return to the **Phone Info** menu, press **OK**.

## Section 15: Calendar

### Calendar

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

#### View an event

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

A calendar appears in the display with the current date highlighted.

The month and year also appear.

2. Use the following keys to navigate your calendar and highlight a desired date.

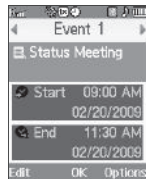
- To move from one day to another, use the Left/Right navigation keys.
- To move from one week to another, use the Up/Down navigation keys.
- To view previous months, press the Volume key Up.
- To view future months, press the Volume key Down.
- To access other options, press the **Options** soft key while viewing the calendar. The following options appear in the display:
  - **Go to Date** — Lets you jump to any date you specify.



- **Go to Today** — Lets you jump to today's date.
- **Erase Old** — Lets you erase past events.
- **Erase all** — Lets you erase all events.

Select the desired option to perform the related process.

3. Open the highlighted date by pressing **OK**. A list of scheduled events appears in the display.
4. Select the desired event. Information for the selected event appears in the display.



#### Add a New Event

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

A calendar appears in the display with the current date highlighted.

The month and year also appear.

2. Highlight the date of the new event.
3. Press the **Add** soft key. The **New Event** screen appears in the display.



4. To select and enter details of the event, use the Navigation key and the keypad. (For more information, refer to “Entering Text” on page 33.)
5. Enter the **Appointment Name** for this event.
6. Enter the start and End dates and times for the event using the keypad. Enter the dates and times for the event using 2 digits for day, month, hour, and minute entries. Use 4 digits for year entries.
7. To change between **AM** and **PM**, use the Left and Right navigation keys.
8. When you’re finished entering the dates and times, to highlight the **Alert** field, use the Up and Down navigation keys. To select a type of alert, use the Left and Right navigation keys.
9. Highlight the **Reminder** field, and set the Reminder to Off or to select a reminder interval using the Left and Right navigation keys.



10. Highlight the **Alert time** field, use the Up and Down navigation keys, then select the amount of time before the event occurs that you wish to be notified by an alert using the Left and Right navigation keys.
11. To store the event in your calendar, press SAVE (OK). An alert will notify you prior to the event, if you set a notification alert.



## Section 16: Bluetooth

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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 your phone's Bluetooth function is turned on, you can use the Bluetooth features available. When the Bluetooth function 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 function.

(For more information, refer to *"Bluetooth Settings"* on page 119.)

### Add New Device

To search for available Bluetooth devices:

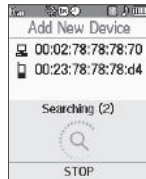
1. In standby mode, press **Menu** (OK), then select **Bluetooth** → **Registered List** → **Add New Device**.

If Bluetooth is off, you are prompted to **"Turn Bluetooth on?"**.

- To turn Bluetooth on, press the **Yes** soft key.
- To leave Bluetooth off, press the **No** soft key.

**"Place device you are connecting to in discoverable mode"** appears in the display.

2. Place the Bluetooth device in discoverable mode. (For more information, refer to the device user manual.)
3. Press **OK** (OK). Names of the available devices appears in the display.
4. Highlight the device you want to pair with your phone.



5. Press **PAIR** (OK) to pair the selected device with the phone. You are prompted to enter the passkey or PIN for the selected device. (For more information, refer to the device user manual.)

---

**Note:** If you are pairing with another handset, both devices prompt you to enter a PIN. To pair the two handsets, enter the same PIN on both devices.

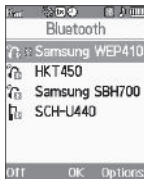
---

6. Enter the device passkey or PIN and press **OK**. The Bluetooth function pairs with the selected device, then prompts you to confirm that you want to connect with the device now.
  - To connect with the device now, press the **Yes** soft key.
  - To connect with the device at a later time, press the **No** soft key.

## Registered List

**Registered List** provides a list of Bluetooth wireless technology devices previously connected to your handset.

- ▶ In standby mode, press **Menu** (OK), then select **Bluetooth** → **Registered List**. The **Bluetooth** screen appears in the display showing a list of devices



previously connected to your device.

## Connecting to a Bluetooth Device

From the Registered List,

- ▶ Select the desired device.

---

**Note:** If you are unable to pair with the device a pop-up appears in the display. To retry, press the **Yes** soft key.

---

## Bluetooth Settings

1. In standby mode, press **Menu** (OK), then select **Bluetooth** → **Bluetooth Settings**. The following options appear in the display:
  - **Enable / Disable** — Turns Bluetooth on or off.
  - **Discovery Mode** — Lets other devices “see” (access) your device. Select **On** for other devices to see your device, or **Off** for no visibility.
  - **Device Name** — Shows the handset name. You may change this name. Enter text changes and press **OK** to save them.
  - **Supported Profiles** — Lists and explains the Bluetooth profiles supported by your phone.
  - **Device Info** — Shows the Bluetooth Type, Status, and Address of your phone.
2. Select the desired option to perform the related process.

## Section 17: Tonerroom

Tonerroom is a pre-loaded application that lets you access your Wireless Carrier's on-line source for real music ringtones.

### Accessing Tonerroom

1. In standby mode, press **Menu** (OK), then select **Tonerroom**.

**Note:** The first time you launch Tonerroom, you are prompted to select the language which will appear in Tonerroom screens.



2. 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, select the **My Tones** tab. The **My Tones** page appears in the display.

For more information about Tone Room, contact your Wireless Carrier.



## Section 18: Health and Safety Information

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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 Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

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

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of

absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

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

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

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

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that

contains no metal and that positions the 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:

- **Head:** 1.06 W/Kg.
- **Body-worn:** 0.665 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](http://www.fcc.gov/cgb/sar).

## **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 12/9/2008):

- 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](http://www.ctia.org).

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**Important!:** If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

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Provided by the Cellular Telecommunications & Internet Association.

## **Responsible Listening**

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**Caution!:** Avoid potential hearing loss.

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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 your hearing could be affected.

- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

**American Academy of Audiology**

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: [info@audiology.org](mailto: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](mailto: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](mailto: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/oe1/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.

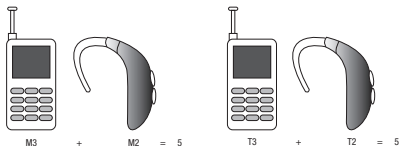
**M-Ratings:** Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

**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 the *"Disabling Bluetooth or WLAN"* section.
- 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.

## Section 19: Warranty Information

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### 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.

**WHAT ARE THE LIMITS ON SAMSUNG'S WARRANTY/LIABILITY?**

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY

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- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

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### ***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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