

SGH-T245G

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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The exposure standard for wireless phones employs a unit of measurement known as Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6 W/kg. The highest SAR values for this model phone were Head: 0.43 W/kg, Body-worn: 0.73 W/kg.

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Section 1: Getting Started

This section explains how to start using your phone by charging your battery and setting up your voice mail.

Setting Up Your Phone

SIM Card

Your phone comes with a pre-installed SIM card.

Removing and Replacing the Battery

To remove the battery:

1. If the phone is turned on, press and hold **POWER** **END** until the phone turns off.
2. Remove the battery cover by sliding it in the direction of the arrow (1).
3. Carefully lift the battery cover away from the back of the phone (2).

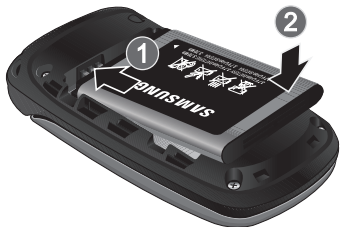


4. Lift the battery up (1) and away from the phone (2).



To replace the battery:

5. Slide the battery into the phone with the gold contacts on the battery matching those in the phone (1).
6. Press the battery down until it clicks into place (2).



7. Reinstall the battery cover by sliding it back onto the phone (1) until you hear it securely click (2).

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



Charging the Battery

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

You can use the phone while the battery is charging, but doing so requires additional charging time.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery requires 4 hours to recharge fully.

1. With the battery installed, temporarily remove the plastic cover of the interface jack on the right side of the phone and plug the travel adapter connector into the jack.

Important! Verify the handset battery is properly installed before connecting the travel adapter. If the battery is not properly installed and the travel adapter is connected, the handset continuously power cycles and prevents proper operation.



Note: This illustration shows both the correct method and the incorrect method for connecting the charger. If you connect the charger incorrectly, you risk damaging the accessory port and voiding the phone warranty.

Warning! If the adapter power plug is installed incorrectly, damage to the accessory port occurs and voids the phone warranty.

2. Plug the adapter power plug into a standard AC wall outlet.
3. When charging is finished, unplug the adapter power plug from the AC wall outlet, then disconnect the travel adapter connector from the phone.



Warning! Failure to unplug the travel adapter before removing the battery can cause damage to the phone.

4. Replace the plastic cover over the interface jack on the phone.

Low Battery Indicator


When the battery is weak with only a few minutes of talk time remaining, a warning tone sounds and the “Battery low” message repeats at regular intervals on the display. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. When the battery level becomes too low, the phone automatically turns off.

Turning the Phone On or Off

1. Press and hold the  key until the phone power-on screen displays.
2. If the phone asks, enter a password and press . (For further details, see “Change Phone Password” in the phone Security section on page 56.)

The Idle screen displays while the phone searches for your network. The signal strength bars show adequate signal after a network is found.

Note: The display language is preset to Automatic at the factory. To change the language, use the Language menu. For more information, see Phone settings on page 55.



3. When you wish to switch off the phone, press and hold the  key.

Setting Up Your Voice Mail

- ▶ In Idle mode, press and hold the  key. When connected, follow the voice prompts from the voice mail center.

Text Conventions

The following terms and icons appear in this manual to describe the steps and procedures for using your phone:

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

Example: “...Settings → Phone → Language...”

Section 2: Understanding Your Phone




This section outlines some key features of your phone. It also displays the screen and the icons that are displayed when the phone is in use.

Open View of Your Phone

The following diagram shows the main elements of your phone.

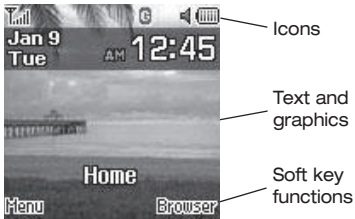


1. **Earpiece:** Allows you to hear conversations, ring tones and alerts.
2. **Display:** Allows you to view date and time, network type, signal strength, battery power, and icons associated with alerts or alarms.

3. **Navigation key:** Allows you to scroll through menus and adjust the volume during a call. In Idle mode your Navigation key provides a shortcut to your Contact List, Camera, your Sound Profile settings and your SMS message window.
4. **Left soft key:** In the Idle screen, press the **Menu** (left) soft key () to access your **Main menu**. The left soft key allows you to select the function indicated by the screen text on the bottom left of the display.
5. **Send key:** Allows you to place or receive a call. In standby mode, press the key once to access the Recent Calls log. If you press and hold the key down, you will initiate the most recent call from the Recent Calls log.
6. **Alphanumeric keys:** Allows you to enter numbers, characters and symbols.
7. **Star key:** Press and hold to enter a pause when dialing.
8. **Microphone:** Allows the other callers to hear you when you are speaking.
9. **Space/Silent key:** Allows you to enter a space when entering text. Press and hold to toggle between Normal and Silent modes.
10. **Back/Clear key:** deletes characters from the display. In Menu mode, returns to the previous menu level. In Idle mode, launches your Calendar.
11. **Power On/Off/Menu Exit key:** Ends a call or exits a program. Press and hold this key briefly to power your phone On or Off. While in the main menu, it returns the phone to standby mode. Press to reject an incoming call.
12. **Right Soft key:** In the Idle screen, press the **Browser** (right) soft key () to launch the Browser. The right soft key allows you to select the function indicated by the screen text on the bottom right of the display.
13. **OK (Select) key:** allows you to confirm your menu choices. In Idle mode, press  to access the Prepaid menu.

Main Display Layout

The display has 3 areas:



Icons



Shows the received signal strength. The greater number of bars indicates a stronger signal.



Appears when you receive a new text message.



Appears when you receive a new picture message.



Appears when you receive a new voicemail message.



Appears when you set an alarm on your phone.



Appears when a call is in progress.




Appears when there is no network coverage available. When you are out of the service area, you cannot make or receive voice calls.



Shows the level of your battery. The more bars you see, the more power you have remaining.

Note: The default Sound Profile is Normal. The profile is editable, and the displayed icons may vary according to the settings. To edit Sound Profile settings, press **Menu** → **Settings** → **Sound Profile**.



Appears when the **Normal** Profile (default) is active. Press and hold the Space key  to toggle between Normal mode and Silent mode. You can edit these Normal profile settings.



Appears when the **Silent** Profile is set. In Silent mode, your phone displays information, but the speaker is muted and the phone vibrates to alert you. You can edit these Silent profile settings.



Appears when the Profile is set to **Driving**. In Driving mode, the speaker is active and launches the currently selected ringtone or melody when the associated notification is activated. This icon is accompanied on screen by the Audio icon. You can edit these Driving profile settings.



Appears when the Profile is set to **Outdoor**. In this case, the speaker is active, the volume settings are raised to their highest levels, any currently active ringtones or melodies are activated, and the phone's vibrate feature is activated. You can edit these Outdoor profile settings.


Backlight

A backlight illuminates the display and the keypad when you press any key. The backlight dims or turns off when no key is pressed within a given period of time. Go to the Backlight Time menu to modify these settings.

- ▶ Press **Menu** → **Settings** → **Display** → **Light Settings** → **Backlight Time**.

Selecting Functions and Options



Your phone offers a set of functions that can be customized for your use. These functions are arranged in menus and sub-menus. Each menu and sub-menu allows you to view and alter the settings of a particular function.

In some functions, you may be asked for a password or PIN. Enter the code and press the  key.

When you access a list of options, your phone highlights the currently active option. If there are only two options, such as **On/Off**, your phone highlights the option that is not currently active, so that you can select it directly.

Selecting Options

To view the various functions and options available and to select the one you want:

- Press the appropriate soft key.
- To select the function displayed or the option highlighted, press the **Select** soft key or the  key.
- To view the next function or highlight the next option on a list, press the **Down** Navigation key.
- To move back to the previous function or option on a list, press the **Up** Navigation key.
- To move back up one level in the menu structure, press the **Back** soft key.
- To exit the menu structure without changing the settings, press the  key.

Soft Keys

The roles of the left and right soft keys vary depending on the function you are currently using. The active function for each soft key is shown at the bottom of the display above each key.

Left Soft Key

Some functions of the left soft key are as follows.


- In the Idle screen, press the **Menu (left)** soft key  to open the Menu screen.
- When in a menu mode, the left soft key  function is **Select**.



Right Soft Key

Some functions of the right soft key are as follows.


- In the Idle screen, press the **Browser (right)** soft key  to launch the Browser.
- When in a menu mode, the right soft key  function is **Back**.






End Key

The **End** key  is used to turn on/off your phone, disconnect calls, and return to the standby mode.

- Press and hold the End key to turn on/off your phone.
- Briefly press  once to disconnect a call.
- Press  to return to standby mode from any menu.

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.

Navigation Key

Use the directional keys on the Navigation key to browse menus, sub menus, and lists. Press the **Up** or **Down** Navigation keys when jumping to highlighted links on the web. In a call, press the **Up** or **Down** Navigation keys to adjust the speaker volume.

In the Idle screen, the Navigation keys provide shortcuts to launch applications.





Section 3: Call Functions

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


Making a Call

In Idle mode, enter the area code and phone number, and press the  key.

Making an International Call

1. Press and hold . The + character appears.
2. Enter the country code, area code, and phone number, then press .


Ending a Call

When you want to finish your call, briefly press .

Manual Pause Dialing

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can dial the numbers along with special characters called pauses.

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

1. In Idle mode, enter a phone number.
2. Press and hold the  key to add a two-second pause. The letter **P** appears where the pause is set.
3. Continue to enter numbers, if desired.

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

Redialing the Last Number

All incoming, outgoing and missed calls are listed in the **Recent Calls** Menu. If the number or caller is listed in your Contacts, the associated name displays. For more information about Recent Calls, see “Recent Calls” on page 19.


To redial the number of your last call:

1. From the Idle Screen, press **Menu** → **Recent Calls**. The Recent Calls menu displays the All Calls list with the number of your last call highlighted.

Tip: You can quickly access your Recent Calls from the Idle Screen by pressing  .

2. Press  to dial the number of your most recent call.


Making a Call from your Contact List

You can store phone numbers that you use regularly on the SIM card or in the phone memory. These entries are collectively called the Contact List. Highlight a number in your Contact List and press  to call.

Answering a Call

When a call is received the phone rings and displays the caller phone number or name, if stored in the Contact List.

1. To answer from the Idle Screen, press  .

Note: To set your phone to answer when you flip it open or when you press any key, press **Menu** → **Settings** → **Calls** → **General** → **Call Answer** and select your option. When you activate the Any Key answer option, you can press any key to answer a call except  and the **Reject** soft key.

2. End the call by pressing  .

Note: You can answer a call while using the Contact List or menu features. After ending the call, the phone returns to the function screen you were using.

Recent Calls

The phone stores the numbers of the calls you have Missed, Received or Dialed in the Recent Calls menu. You can quickly access this menu from the Idle screen by pressing the **SEND** key. If the number or caller is listed in your Contact List, the associated name displays. Press the **Right** or **Left** Navigation key to review All Calls, Missed Calls, Calls Made and Calls Received in the Recent Calls menu.

To access the **Recent Calls** menu:

1. From the Idle Screen, press **Menu** → **Recent Calls**. The Recent Calls menu displays the All Calls list with the number of your last call highlighted.

Tip: You can quickly access your Recent Calls by pressing **SEND**.

2. Use the Navigation keys to scroll through the Recent Calls lists. Choose from **All Calls**, **Missed Calls**, **Calls Made** and **Calls Received**.
3. Press the **Options** soft key in any of these lists for the following options:
 - **Details:** allows you to view the call details.
 - **Call Back:** allows you to call the number you are viewing.
 - **Save to Contacts:** allows you to save a new contact or update an existing contact.
 - **Send Message:** allows you to send a text message or a multimedia message.
 - **View Contact Details:** allows you to view the contact details stored in your Address Book.
 - **Delete:** allows you to delete the selected call record or all call records.
 - **Add to Reject List:** allows you to add the sending number to your Reject List, where incoming calls are sent direct to voice mail.

Viewing Missed Calls

The number of calls you have missed is displayed on the Idle screen.

To view the number details:

1. Press the **View** soft key. The most recently missed call is displayed.

Note: If there is a voicemail sent by the same number, associated icons are displayed and can then be selected.

2. To scroll through the list of missed calls, press the **Up** or **Down** Navigation key.
3. To move to another call type, press the **Left** or **Right** Navigation key.

Viewing the Details of a Missed Call

To view the details of a selected missed call, use the following steps:

1. Press the **View** soft key. A list of the most recently missed calls is displayed.
2. Select the desired missed call.
3. Press the **Options** soft key, then select **Details**.

Calling Back a Missed Call

To call back a missed call number:

1. Press the **View** soft key. A list of the most recently missed calls is displayed.
2. Highlight the desired missed call.
3. Press the **Options** soft key, then select **Call Back**.

– or –

Highlight the number and press the  key.

Saving a Missed Call to your Address Book

To save the missed call entry to your address book, use the following steps:

1. Press the **View** soft key. A list of the most recently missed calls is displayed.
2. Select the desired missed call.
3. Press the **Options** soft key, then select **Save to Contacts** and follow prompts to add caller to Contact List.

Sending a Message to a Missed Call

To send a text message or attachment to a missed call entry:

1. Immediately after missing a call, press the **View** soft key. A list of missed calls is displayed with the most recently missed call highlighted. Highlight the number of the missed call you wish to send a message.
2. Press the **Options** soft key, then select **Send Message**. Select **Text Message** or **Multimedia Message**. The Create Message screen displays. Create your message. For more information, refer to *“Creating a New Text Message”* on page 29.
3. When you completed your message, press the **Send To** soft key place the selected number in the list of Recipients.
4. Press the **Options** soft key and select **Contact List**, **Recent Recipient** or **Group** to add other recipients from these lists.
5. When the Recipients list is completed, press the **Send** soft key to send your message. Your display returns to the Recent Calls list.

Deleting a Missed Call

To delete a missed call entry:

1. Immediately after missing a call, press the **View** soft key.
2. Press the **Options** soft key, then select **Delete**. Select the option to delete the **Selected** missed call or **All** missed calls. The selected call log(s) are deleted after you confirm, **Yes** or **No**.

Call Time

From the Idle screen, press the **Menu** → **Recent Calls** → **Call Time** to see the following options:

- **Last Call Time**: shows the length of time for the last call.
- **Total Made**: shows the total length of time for all calls made.
- **Total Received**: shows the total length of time for all calls received.

Options During a Call

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

Adjusting the Call Volume

Adjust the speaker volume during a call by pressing the **Up** and **Down** Navigation keys. Press the **Up** Navigation key to increase the volume level and press the **Down** Navigation key to decrease the volume level.


Putting a Call on Hold

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

To put a call on hold:

1. While on a call, press **Options** → **Hold** to place your call on hold.
2. You can later reactivate this call whenever you want by pressing the **Resume** soft key.



Making a new call while you have a call in progress

1. While on a call, press **Options** → **Hold**.
2. Enter the new phone number you wish to dial.
3. Press  to dial the second number.
- or -


Press the **Options** soft key, then select **New Call**. Enter the number to call or search in your Contact List. Press  to dial the second number. Once connected, both calls are displayed on the screen.

Note: The caller currently on hold appears greyed-out onscreen.

Switching between the two calls

1. Press **Options** → **Swap**. The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person.
2. Press  to end the currently active call.
3. When you want to finish, end each call normally by pressing the  key.

Ending a specific call

1. Place the call you wish to end on hold.
2. Press **Options** → **End Held call**.
3. Press the **Select** soft key to end the call on hold.
4. Press  to end the last remaining call.

In-Call Options

During a call, press the **SpkOn/SpkOff** key to turn the Speaker **On** or **Off**.

Press the **Options** soft key to access the following:

- **Hold:** Places the active call on hold.
- **New Call:** Places the current call on hold and then allows you to enter and dial another number or access your Contact List.
- **Contact List:** allows you to access your Contact List.
- **Message:** Create Text Message, My Messages
- **Calendar:** Allows you to access your Calendar.
- **Mute Keypad Tone:** Silences/mutes the key tones when on the call. To turn this feature off (unmute the keypad), return to this option and select **Send Keypad Tone**.
- **Send DTMF:** Sends DTMF (Dual Tone Multi-Frequency) tones to the contacts you have selected. These DTMF tones are sent as a group. The DTMF tones are the tones used in phones for tone dialling, sounding when you press the number keys. This option is helpful for entering a password or an account number when you call an automated system, like a banking service.

Using the Speakerphone During an Active Call

While in an active call, you can enable the speakerphone feature.

- ▶ During a call, press the **SpkOn** key to activate the speakerphone. Press **SpkOff** to deactivate.

Muting or Sending Keypad Tones

These options allow you to turn the key tones off or on. If the **Mute Keypad Tone** option is selected, it allows you to press keys without hearing key tones during a call.

Note: To communicate with answering machines or computerized telephone systems, the Send Keypad Tone option must be selected.

Switching off the Microphone (Mute)

During a call, you can temporarily switch your phone microphone off so that the other person cannot hear you. Press the **Mute/Unmute** soft key.

Searching for a Number in Address Book

You can search for a number from the Address Book during a call.

1. Press the **Options** soft key, then select **Contact List**.
2. Highlight the Contact List entry.

– or –

Enter the first few letters of the contact into the Search field to highlight the closest match.

3. Press **Options** → **View** or **OK** to view your selected contact.

Call Waiting


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

To activate the Call waiting feature, press **Menu** → **Settings** → **Calls** → **Voice Call** → **Call Waiting** → **Voice Call** → **Activate**.

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

1. While on a call, press **SEND** or press the **Accept** soft key to answer a new incoming call. The first call is automatically put on hold when you answer the new incoming call.
2. To switch between the two calls, press **Options** → **Swap**. Swap places the current call on hold and then activates the previous call.






To end a call on hold:

1. Press the **Options** soft key, then select **End Held Call**. You can continue with the remaining call.
2. Press  to end the current active call.

3-Way Calling (Multi-Party Calling)



The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold.

If this service is supported by the network, and the SIM has the feature enabled, all calls can be joined together. You are notified of an incoming call by a call waiting tone. To activate the call waiting feature, see “*Call Waiting*” on page 25.


1. Press  or **Accept** to answer the first incoming call.
2. Press  or **Accept** to answer the next incoming call. The first call is automatically put on hold.
3. Press  →  to join with both of your callers, the active call and the call on hold, in a single multi-party call.
4. Press  to end the call.

Silent Mode

Silent mode is convenient when you wish to stop the phone from making a sound, in a theater, for example.

In Idle mode, press and hold  until the phone vibrates, the “Silent profile on” message appears on screen. The Silent mode icon  is displayed on the screen. For more information, refer to “*Sound Profile*” on page 54.

In Silent mode, your phone speakers are muted. An incoming call causes the phone to vibrate and light up, depending on the settings of the **Silent** Phone Settings feature.




To exit and reactivate the previous sound settings, press and hold  again until the previous Sound Profile is restored. The Silent mode icon is no longer displayed.

Section 4: Menu Navigation

This section explains the menu navigation for your phone. Your menu options are controlled by the SIM provided by your service provider.

Use the Navigation keys to scroll through menus and sub-menus or use the shortcut keys.

Accessing Menus

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Use the Navigation keys to scroll to a main menu. Press the **Select** soft key or the  key to enter the menu.
3. If the menu contains sub-menus, highlight your menu selection and press the **Select** soft key or .
4. To return to the previous menu level, press the **Back** soft key.
5. To exit the menu without changing the settings, press .

Using Shortcuts

Numbered menu items and options can be accessed by using their shortcut numbers. In Menu mode, Main Menu can be accessed by pressing the number keys (1 to 9) corresponding to their location on the screen.

Example: Accessing the Language menu.

1. Press the **Menu** soft key.
2. Press  for **Settings**.
3. Press  for **Phone**
4. Press  for **Language**.

Section 5: Messages

This section describes how to send or receive text messages.

Creating a New Text Message

1. In Idle mode, press **Menu** → **Messages** → **Create New Message** → **Text Message** to access the SMS message window.

Tip: In Idle mode, to create an SMS message, press the **Up** Navigation key.

2. Compose your message text.
3. You can press the **Options** soft key to choose from the following options:
 - **Insert:** Allows you to insert information from the following sources: Text Templates, Contact List, Favorites URL.
 - **Save to:** Allows you to save your message to your Drafts folder or to My Folder.
 - **Select Language:** Allows you to choose from these languages: English or Español.
 - **Input Mode:** Allows you to set the text Input method: ab, Ab, AB, T9ab, T9Ab, T9AB, 123 or Symbols.
 - **Back:** Asks you if you want to Save to Drafts? Yes or No, or deletes your unsent message and returns to the Messaging display.
4. When you completed your message, press the **Send To** soft key to display the Recipients **To** field.
5. Enter the number for the recipient in the field provided, or press the **Options** soft key to select a recipient from your Contact List, your Recent Recipients phone number or email, or from one of your Group contacts.
– or –
You can select **Save to:** to save your unsent message to Drafts or My Folder.
6. Press **Send** to send your message.

Creating a New Picture Message

1. In Idle mode, press **Menu** → **Messages** → **Create New Message** → **Multimedia Message**. The New multimedia message screen displays with the Subject field highlighted.
2. To create a subject for your message, press **Options** → **Add**. Enter the Subject text using the keypad. Press **Options** → **Save**.
3. Press the **Down** navigation key to highlight the **Graphic** field.
4. To add a graphic to your message, press **Options** → **Add** and select **Take Photo**, **My Photos**, or **Downloaded Graphics**.
5. Select **My Photos** to see thumbnail images of your photos.
6. Highlight the photo you wish to add and press the **Add** soft key. The New multimedia message screen appears in the display with the selected photo in the Graphics field.
7. Press the **Down** navigation key to highlight the **Audio** field.
8. To add audio to your message, press **Options** → **Add** and select **Record Audio**, **Recorded Audio**, or **Downloaded Tones**.
9. Record a new audio file or select an existing file or downloaded tone. Press the **Add** soft key.
10. Press the **Down** navigation key to highlight the **Message** field.
11. To add a text message to your multimedia message, press **Options** → **Add**. Enter the message text using the keypad. Press **Options** → **Save**. The New multimedia message screen appears in the display with your entries.

12. When you are finished with your message, you can press the **Options** soft key to make changes, additions, edits such as background color, add a business card or other attachments, modify send settings and preview your message.

– or –


Press the **Send To** soft key. The Send screen appears in the display showing the **To** list.

13. Enter your recipient and press **Send** to send your message.

– or –


Press the **Options** soft key to choose from other options such as add recipients from your contact list or groups, from recent recipients, or save to drafts or to My Folder.

Viewing Received Messages

1. In Idle mode, your phone displays the number of voicemails you have received and the number of new messages you have received.
2. Press the **Connect** soft key or the  key to call your voicemail and listen to your messages.

– or –

Press the **View** soft key or the  key to view your messages.

3. When you have finished, press the **Exit** soft key or the  key.

Using Message Options

Message options at the Inbox level differ according to the message type, what you have done with the message, and whether you are viewing the message.

While viewing the list of messages in the Inbox, you can highlight a message and press the **Options** soft key to access the following message options:

- **View:** Allows you to view your message.
- **Call Back:** Returns the call.
- **Delete:** Deletes a single selected message or you can select multiple messages for deletion.
- **Move to My Folder:** Allows you to move the selected message to My Folder.
- **Move to SIM Card/Phone:** Allows you to move the selected message to your SIM Card or to your phone.
- **Sort by:** Allows you to sort your messages by date, read/unread, sender, type, size or subject.
- **Lock/Unlock:** Allows you to lock or unlock the deletion of the highlighted message.

While viewing a message in the Inbox, press the **Options** soft key to access the following message options:

- **Reply:** Allows you to compose and send a reply to the message.
- **Call Back:** Returns the call.
- **Forward:** Allows you to forward the message to another recipient.
- **Delete:** Deletes the viewed message.
- **Move to My Folder:** Allows you to move the selected message to My Folder.
- **Move to SIM Card/Phone:** Allows you to move the selected message to your SIM Card or to your phone.
- **Add to Block List:** Allows you to add the sender or caller to a block list.
- **Extract Address:** Allows you to extract the address to add to your contacts or send a reply.
- **Lock/Unlock:** Allows you to lock or unlock the deletion of the highlighted message.

Inbox

The Inbox message box stores copies of messages you received.

Outbox

The Outbox stores copies of outgoing messages, both those sent successfully and those that failed.

Sent

The Sentbox message box stores copies of messages you sent.

Drafts

The Drafts message box stores unsent messages that you want to edit or send at a later time.

Voicemail

Choosing this option dials your voicemail.

My Folder


You can elect to store messages in My Folder.

Templates

Templates are available for creating messages and can be edited or deleted.

Using Message Templates

Your phone has Text templates that you can retrieve and apply when creating a message. You can edit the applied template as needed before sending a message.

1. In Idle mode, press the **Menu** → **Messages** → **Templates**. The Text Templates display.
2. Highlight a current template message and press the **Options** soft key to access the following options:
 - **Send via:** allows you to create and send a Text Message/Multimedia Message using the selected template.
 - **Edit:** allows you to change the currently selected template.
 - **Delete:** deletes the currently selected template or multiple templates.
3. When you have finished, press  .

Delete All

The Delete All function allows you to clear messages you no longer wish to store. You can delete the messages in the selected message folder(s) or you can choose to delete all messages at one time.

Messaging Settings

The Messaging Settings menu allows you to view and modify settings for text messages, multimedia messages, voicemail and, if allowed by your service provider, broadcast messages.

You can set up various options for using messaging services.

1. In Idle mode, press **Menu** → **Messages** → **Messaging Settings**.
2. Select the message settings you want to change.
 - **Text Message**: allows you to access Send Settings and Block Number list.
 - **Multimedia Message**: allows you to access Send Settings, Receive Settings, Block Number, Message Class, Creation Mode and Default Style.
 - **Voicemail**: allows you to Connect to Voice Server.
 - **Broadcast Message**: available only if allowed by your service provider.
3. Press the **Select** soft key or **OK** to access the highlighted settings menus.
4. Press **Save** when finished.

Text Message

The following options are available:

- **Send Settings**: displays the Email Gateway set by your service provider.
- **Block Number**: allows you to create a block number list.

Multimedia Message

- **Send Settings**: allows you to set Priority, Expiration, Delivery After options.
- **Receive Settings**: allows options to Reject Anonymous messages and Allow Advertisement.

- **Block Number:** allows you to create a block number list.
- **Message Class:** allows you to choose a setting: Text, Image Basic or Image Rich.
- **Creation Mode:** allows you to choose a setting: Warning, Free or Restricted.
- **Default Style:** allows you to choose: Font Color, Font Size, Bold, Italic, Underline, Strikethrough, Background Color and Page Duration

Voicemail

The following options are available:

- **Connect to Voice Server:** connects you to your voice server.

Broadcast Message

Broadcast Message displays if allowed by your service provider.

Used Space

Used Space shows the number of messages stored on your phone and on your SIM Card.

- **Text Message:** displays the number of messages stored at these locations: Phone, SIM, Inbox, Sent, Outbox, Drafts, My Folder.
- **Multimedia Message:** displays the space Available, and the space used in these locations: Inbox, Sent, Outbox, Drafts, My Folder.
- **Push Message:** displays the number of push messages stored.

Section 6: Browser

This section outlines how to launch your Browser, how to navigate to other pages on the Web, and how the keys on the keypad are used with the Web application.

You can surf the Web and download ringtones and wallpapers using your phone.

Launching the Browser

- ▶ In standby mode, press the Right soft key to launch the **Browser**. A list of categories, each representing one or more web sites, appears in the display.

Exit the Browser

- ▶ To exit the **Browser**, press .


Using the Browser

When you use your Browser to access the Web, some of the keys operate differently than during a normal phone call. You can act upon options or links by using the soft keys.

Soft Keys

The bottom of the display shows browser commands above the **Left** and **Right** soft keys used to execute the commands. The soft keys change their function depending on the application.

Using Links

Links have several purposes, such as jumping to a different page, to a different site, or even initiating a phone call. Links are shown underlined. You can normally press  to select a link when it is highlighted.

How the Web Keys Work

The following table lists the Web keys and their functions.

- **Navigation keys** — Use to browse lists and options.
- **Back Key** — A browse, back-up key. Press once to back up one page. Press and hold to go back to home page. Press to clear the last number, letter, or symbol entered. Press and hold to completely clear the display.
- **Pound Key** — Press to insert a space when entering text.
- **Number 1 thru 9** — Use the number keys to select items in a menu if they are numbered.
- **End Key** — Press to exit the Web and return the phone to standby mode.
- **Left Soft Key** — Press to activate the command that appears above it in the display. The Options soft key provides these options: Go to, Back, Go to Homepage, Reload, Send URL, Enter URL, Add to Favorites, View Favorites, Go to Messaging, Go to My Folder, Disconnect, History, Show URL, Delete Cookies and About Browser.
- **Right Soft Key** — Press to activate the command that appears above it in the display.

Section 7: Camera

This section explains how to use the camera on your phone. You can take photographs by using the built-in camera functionality.

Using the Camera



Using the camera module in your phone, you can take photos of people or events while on the move. Additionally, you can send these photos to other people in a Picture Messaging message or set a wallpaper or picture ID image.

Note: Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Taking a Photo

Your camera produces photos in JPEG format. To take a photo using the current camera settings, do the following:

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

1. In Idle mode, press **Menu** → **Camera** → **Take Photo**. The following soft key options appear:
 - **Menu**: allows you to adjust camera settings. For more information, refer to “*Setting Camera Options*” on page 39.
 - **Take Photo** ( . Your photo is saved to the My Photos folder.

3. After taking a photo, the following options are available while viewing the photo:
 - **Options:** allows you to select **Take Another**, **Send** via Multimedia Message, and **Set as** Wallpaper or Caller ID.
 - **Send:** allows you to go to New Multimedia Message screen. For sending a Multimedia Message, see “*Creating a New Picture Message*” on page 30.
 - **Delete:** press the **right** soft key (**Delete**) and confirm **Yes** to delete or **No** to keep the photo.

Setting Camera Options

The Camera Options let you adjust default camera settings to suit the current conditions and subject of your photo. The following settings are available.

- **Shooting Mode:** only selection is **Single Shot** mode, which allows you to take a single shot and view it before returning to the shooting mode or to take a single shot and return to camera mode without reviewing. To change this option, refer to Single Shot in the Settings options on page 39.
- **Resolution:** select from the following image sizes: **640 x 480**, **320 x 240**, **128 x 128**, **128 x 96**.
- **Timer:** select from the following time intervals to delay before taking a picture: **Off**, **3 Seconds**, **5 Seconds**, **10 Seconds**.
- **White Balance:** select from the following choices to adjust to the available light: **Auto**, **Daylight**, **Incandescent**, **Fluorescent**, **Cloudy**. The viewfinder in your display shows the effects of the settings.
- **Effects:** select from the following: **No Effects**, **Black & White**, **Negative**, **Sepia**, **Emboss**, **Sketch**, **Antique**, **Moonlight**. The viewfinder in your display shows the effects of the settings.
- **Information:** displays **1 Timer** and **# Viewfinder Mode**.
- **Settings:** select from **General** and **Camera** settings: **General** (Zoom Sound, Brightness Sound), **Camera** (Shutter Sound, Viewfinder Mode, Scene Program, Metering Exposure, Single Shot).

Viewing Photos

1. In Idle mode, press **Menu** → **Camera** → **Go to My Photos**. Your photos display in Line View or Thumbnail View.
– or –
In Camera mode, press the right soft key (**Gallery**) to access My Photos.
2. In the My Photos screen, press **Options** to see the following:
 - **View**: allows you to enlarge the thumbnail view of the selected photo.

Note: While viewing a photo, press **Options** → **Full Screen View** to view the image in full screen. To return to normal view, press **Options** → **Normal View**.

- **Display Mode**: allows you to select Line View or Thumbnail View.
- **Send**: allows you to send the selected photo via Multimedia Message.
- **Set as**: allows you to set the selected photo as Wallpaper or Caller ID.
- **Delete**: allows you to delete a selected photo or multiple selected photos.
- **Rename**: allows you to rename the selected photo.
- **Slide Show**: allows you to play the available images in My Photo in a slide show.
- **Lock/Unlock**: allows you to lock or unlock a photo file.
- **Properties**: allows you to view these properties: Name, Date, Format, Resolution, Size, Quality and Lock/Unlock settings.

Section 8: Applications

A number of preloaded applications are available on your phone. These are some of the applications available from the Tools menu, the Calendar menu and the My Stuff menu: Alarms, Calculator, Tip Calculator, Converter, Timer, Stopwatch, World Time, Calendar, default and downloaded Audio and Picture.

Tools

The Tools menu provides access to: Alarms, Calendar, Calculator, Tip Calculator, Converter, Timer, Stopwatch and World Time. Some of these applications are described in this section.


Opening Tools Menu

In Idle mode, press **Menu** → **Tools**. The following submenus display:

- **Alarms:** Allows you to set an alarm to go off once, or daily, at a specified time.
- **Calendar:** Your Calendar applications allows you to enter events and view them by the day, the week, the month or by event categories.
- **Calculator:** Allows you to perform calculations, including addition, subtraction, multiplication, and division.
- **Tip Calculator:** Allows you to calculate service gratuities with a minimum of key presses.
- **Converter:** Allows you to convert currency, length, weight, volume, area and temperature from one system or increment to another.
- **Timer:** Allows you to set a timer.
- **Stopwatch:** Allows you to view the amount of time in up to 30 intervals.
- **World Time:** Allows you to view the current time of day or night in another part of the world.

Alarms

You can set an alarm to alert you once, or daily at a specified time. Once set, the alarms are easy to change or turn off completely.

1. In Idle mode, press **Menu** → **Tools** → **Alarms**. The following options appear in the display:
 - **Wake-up Alarm**
 - **Alarm 1**
 - **Alarm 2**
 - **Alarm 3**
 - **Alarm 4**
2. Select an Alarm. The alarm screen appears in the display containing the following options: the alarm name, the on/off setting, the time, AM/PM, alert type, alarm tone options, the alarm volume setting, days if the week to sound, snooze option and auto power on/off setting.
3. Highlight the options you wish to change, then select values for the options using the Left and Right navigation keys.
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.

Calendar


Your Calendar applications allows you to enter events and view them by the day, the week, the month or by event categories. While viewing the calendar, the current date is highlighted and days with scheduled events are marked by a bracket.

Calendar Options


You can add and delete events and set alarms to remind you of your appointments, anniversaries or other events. In Calendar view, press the Options soft key to choose from the following:

- **View by:** Allows you to choose the calendar view: Day, Week or Month.
- **Create:** Allows you to choose the category for your new event: Appointment, Anniversary, Miscellaneous, Task,
- **Go to:** Allows you to view the current day's calendar or to jump to another date that you specify: Today, Date
- **Event List:** Allows you to view your events by category: Appointment, Anniversary, Miscellaneous, Task,
- **Delete:** Allows you to delete your selection by a specified range of dates or by the month or to delete all events: Selected, Periods, This Month, All
- **Settings:** Allows you to choose your calendar Starting Day: Monday or Sunday, and to choose Default View by: Month, Week, Day.
- **Missed Alarm Event:** Allows you to view any missed alarm events.
- **Used Space:** Allows you to view the total number of events stored on your Calendar, up to 100 and the number of events by category: Appointments, Anniversaries, Miscellaneous, Tasks

Enter an Event

1. To access your Calendar in Idle mode, press **Menu → Tools → Calendar**.
– or –
Press .
2. Press the **Options** soft key and select **Create**.
3. Select from the following options: Appointment, Anniversary, Miscellaneous or Task.
4. Enter your information in the fields provided in your phone display.

View an Event

1. To access your Calendar in Idle mode, press **Menu → Tools → Calendar**.
2. Use the Navigation keys to move through the calendar and highlight a desired date.
3. Open the highlighted date by pressing . A list of scheduled events appears in the display.
4. Select the desired event. Information for the selected event appears in the display.


Calculator

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

- ▶ In Idle mode, press **Menu → Tools → Calculator** to display your calculator.

Tip Calculator

Tip Calculator calculates your gratuity and the individual payment for groups. Calculations are based on the total amount of the check, a selected percentage, and the number of people paying.

1. In Idle mode, press **Menu → Tools → Tip Calculator** to display the Tip Calculator screen with the Bill field highlighted.
2. Use the keypad to enter the total amount of the bill. 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 owed by each person appears in the lower half of the screen.

Converter

The conversion menu provides the following conversion features: currency, length, weight, volume, area and temperature.

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

1. In Idle mode, press **Menu → Tools → Converter** to display the Converter.
2. Select the conversion feature you wish to use. The selected conversion feature screen appears in the display.
3. Use the Left and Right navigation keys to select the unit to convert from.
4. Highlight the quantity field.
5. Use the keypad to enter the quantity you want to convert.
6. Highlight the field to enter the unit of measure to convert to.
7. Use the Left and Right navigation keys to select the desired units. The converted quantity displays in the new 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:

1. In Idle mode, press **Menu → Tools → Converter → Currency** to display the Converter screen with the **USD** (U.S. Dollars) currency highlighted in the From Unit field. Use the Left and Right navigation keys to display a different currency in the From Unit field.
2. Press **Options → Currency Rates**. The **Currency Rates** list for the **USD** (U.S. Dollars) currency appears in the display.
3. Select the currency exchange rate you want to change.
4. To edit the highlighted exchange rate, press **Options → Edit**.
5. Use the keypad to change the current exchange rate. Press the **Save** soft key to save the changed exchange rate.

Currency — Adding Exchange Rates

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

1. In Idle mode, press **Menu → Tools → Converter → Currency** to display the Converter screen with the **USD** (U.S. Dollars) currency highlighted in the From Unit field. Use the Left and Right navigation keys to display a different currency in the From Unit field.
2. Press **Options → Currency Rates**. The **Currency Rates** list for the **USD** (U.S. Dollars) currency appears in the display.

3. Press **Options** → **Add Currency**.
4. Enter the name in the **Enter New Currency** field and the rate in the **Enter New Rate** field. Press the **Save** soft key to save the new currency.

Currency — Deleting 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. In Idle mode, press **Menu** → **Tools** → **Converter** → **Currency** to display the Converter screen with the **USD** (U.S. Dollars) currency highlighted in the From Unit field. Use the Left and Right navigation keys to display a different currency in the From Unit field.
2. Press **Options** → **Currency Rates**. The **Currency Rates** list for the **USD** (U.S. Dollars) currency appears in the display.
3. Highlight the currency exchange rate to erase.
4. Press **Options** → **Delete**. You are prompted to confirm.

Timer

You can use this menu to set a timer.

1. In Idle mode, press **Menu** → **Tools** → **Timer**.
2. Press the **Set** soft key, set your time and press the **OK** key.
3. Press **OK** to start, pause and resume the timer count down.

Stopwatch

You can use this menu to set a stopwatch.

1. In Idle mode, press **Menu → Tools → Stopwatch**.
2. Press **OK** to start the stopwatch count
3. Press **OK** at the start of each succeeding event/lap to record the completion time for the previous event/lap.
4. When finished, press the **Stop** soft key.
5. Press the **Reset** soft key to erase all recorded event/lap times.

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.

1. In Idle mode, press **Menu → Tools → World Time**. A world map displays.
2. To display the time zone and city that you wish to view, use the Left and Right navigation keys.
3. Press the **Set DST** soft key to turn on or off daylight saving time.
4. Press **C** to keep the current home time zone and return to the **Tools** menu.

My Folder

The My Folder menu allows you to manage downloaded and preloaded tones and graphics. You can store your files in the Audio and Picture folders and view the available memory in the Used Space display.

In Idle mode, press **Menu** → **My Folder**.

- **Audio:** allows you to customize your phone with downloaded or preloaded tones or your own recorded audio.
 - **Tones:** allows you to launch your browser to Buy Ringtones, to save Downloaded Tones to your folder. You can play preloaded Default Tones and use these default tones and your downloaded ringtones to customize your phone.
 - **Recorded Audio:** allows you to store your own audio files in your Recorded Audio folder.
- **Picture:** allows you to launch your browser to Buy Graphics, to save Downloaded Graphics to your folder. You can select one of seven preloaded Default Wallpapers to display or choose to display the seven wallpapers randomly. You can use these default wallpapers and your downloaded graphics to customize your phone.
 - **Buy Graphics:** launches your browser where you can shop for graphics.
 - **Downloaded Graphics:** folder for storing your downloaded graphics.
 - **My Photos:** folder for storing your photos. Available options are: View, Display Mode, Send, Set as, Delete, Rename, Slide Show, Lock/Unlock and Properties.
 - **Default Wallpapers:** allows you to choose from seven wallpapers to customize your wallpaper.
- **Used Space:** allows you to view the available memory in My Folder and the used memory in your Audio and Picture folders.

Section 9: Understanding Your Contacts

This section allows you to manage your Contacts by storing contacts' names and numbers in your Contact List.

Dialing a Number from the Contact List

Once you have stored phone numbers in the Contact List, you can dial them easily by highlighting the number you wish to call and selecting **Options** → **Call**.

Finding a Contact List Entry

You can store phone numbers and their corresponding names onto your SIM card.

1. In Idle mode, press the **Menu** soft key, then select **Contacts** → **Contact List**.
2. Enter the first few letters of the name.

The Contacts entries are then listed, starting with the first entry matching your input.

3. To select a different entry, press the **Up** or **Down** Navigation key until the entry you want is highlighted.
4. Once you have found the entry, press  to dial the number, or press the **Options** soft key to access the Contact List entry options.

Contact List Entry Options

While in the Contact List with any of the entries highlighted, press the **Options** soft key to use access the following options:

- **View**: provides you with details about that contact entry. Press the **Back** soft key to return to the Contact List.
- **Send Message**: allows you to send a Text Message/Multimedia Message to the selected entry.
- **Add New Contact**: allows you to add a new entry to either your Phone or SIM card.
- **Call**: allows you to call a currently selected entry.

- **Copy to Phone/SIM Card:** allows you to copy all or a selection to your Phone/SIM Card.
- **Send Business Card:** allows you to create a business card for your contact.
- **Assign Speed Dial:** allows you to assign a speed dial number to the selected contact.
- **Delete:** allows you to delete the selected contact, multiple contacts or all contacts from the Phone or the SIM Card or from both.
- **Select Language:** allows you to select English or Español.

Adding a New Contact

In the Idle screen, enter the number you wish to call and press **Options** → **Save** → **New**. Select the type of number: Mobile, Home, Office, Fax or Other. At the prompt enter the name of the contact in the Name field.

Also, you can create a new contact from the Idle screen by pressing **Menu** → **Contacts** → **Add New Contact**. Enter the Name, number and other information in the fields provided to add the contact to your Contact List.

Group

You can elect to assign your contacts to a group or category, such as Family, Office, Friends, or Not Assigned. You can edit, delete or create new groups to manage your contacts. The Not Assigned group includes all contacts and can not be edited or deleted.

Speed Dial List

You can assign up to 8 speed dial number for your contacts entries. The first speed dial number is reserved for voicemail.

In Idle mode, press **Menu** → **Contacts** → **Speed Dial List**. Select an Empty position in your speed dial list. Press the **Options** soft key, then select **Add**. When your Contact List displays, highlight the contact you wish to assign to that position and press **OK** to save.

To quickly call a contact from the Idle screen, press and hold the number assigned in the Speed Dial List.

Reject List

You can store and add numbers to your Reject List to immediately direct calls from those numbers to your voicemail.

In Idle mode, press **Menu** → **Contacts** → **Reject List** to view your list. Press the **Options** soft key to Edit, Add New or Remove numbers from your list.

You can enter a number to be rejected, select a number or multiple numbers from your Contacts, from a Group, from FDN Contacts, from Recent Contacts or you can elect to reject all Unknown numbers. You can later remove a selected number or all numbers from your reject list.

FDN Contacts

When the FDN (Fixed Dialing Number) mode is set to On, you can only dial the numbers in your Contacts that you have designated as FDN Contacts.

Note: To set the FDN mode to on, in Idle mode, press the **Menu** → **Settings** → **Phone** → **Security** → **Set FDN Mode**. Obtain Passcode from your Service Provider.

Contacts Settings

You can choose to View contacts stored on your Phone only or on your SIM Card only. Or you can View All contacts. You can save, copy and delete Phone and SIM Card entries on your phone or choose to delete all.

In Idle mode, press the **Menu** → **Contacts** → **Contacts Settings** to manage the following settings for your contacts entries:

- **My Business Card:** Allows you to enter your information in the fields provided to set up your business card.
- **Save New Contacts to:** Allows you to choose from these options: Phone, SIM Card or Ask on Saving.
- **View Contacts from:** Allows you to choose to view all contacts, the contacts from you phone only or from your SIM Card only.
- **Sort Contacts by:** Allows you to sort your contacts by first name or by last name.

- **Own Number:** Displays you number assigned to your phone.
- **Copy All to:** Allows you to choose to copy all contacts to your phone or to your SIM Card.
- **Delete All:** Allows you to delete all contacts, to delete all contacts from your phone or to delete all from your SIM Card.
- **Used Space:** Displays the number of contacts stored on your phone and on your SIM Card.

Own Number

The Own Number menu selection stores the number assigned to the SIM in your phone. From the Idle screen, press **Menu → Contacts → Contacts Settings → Own Number** to view your assigned number.

Note: You can change the number assigned to your SIM that displays in the Own Numbers menu, but entering another number prevents you from making or receiving calls on the handset. You may also add other names and numbers into your phone for easy referral.

SIM Management

The SIM Management menu allows you to copy your stored contacts from your phone to your SIM, from your SIM to your phone and to delete contacts from your SIM.

From the Idle screen, press **Menu → Contacts → SIM Management** and make your selection.

Section 10: Changing Your Settings

This section includes tips on how to use some of your phone features, as well as how to change and customize the display settings, call handling, security settings, and other settings associated with your phone.

Sound Profile

You can customize various sound profiles for your phone by changing the sound settings.

1. In Idle mode, press the **Menu** → **Settings** → **Sound Profile**.
2. Highlight one of the following sound profiles:
 - **Normal**: The Normal profile allows you to customize your alerts.
 - **Silent**: The Silent profile causes the speaker to be muted and the phone only vibrates or displays information on the LCD.
 - **Driving**: The Driving profile keeps the speaker active and will launch the currently selected ringtone or melody when the associated notification is activated.
 - **Outdoor**: The Outdoor profile keeps the speaker active, the volume settings are raised to their highest levels, any currently active ringtones or melodies are activated, and the vibrate feature is activated.
3. Press the **Edit** soft key to Edit the highlighted profile.
4. Press the **Save** soft key when you are finished.

Display

The Display menu allows you to change settings for the Main Display, the Front Display and the Light settings. In Idle mode, press the **Menu → Settings → Display**.

- **Main Display:** Allows you to customize the appearance of your display and menus by making selections in Wallpaper, Idle Screen Display, Main Menu Style and Dialing Display.
- **Front Display:** Allows you to add a Clock and a Screen Slogan to your front display.
- **Light Settings:** Allows you to adjust LCD Brightness, Backlight Time and Front LCD Contrast.

Time & Date

This menu allows you to change the format for the current time and date display. In Idle mode, press the **Menu → Settings → Time & Date**.

Phone

The Phone settings menu allows you to set the language option for your phone to Automatic, English or Español and to turn on or off the Keypad auto-lock feature.

- ▶ In Idle mode, press **Menu → Settings → Phone**.

Note: When the Keypad auto-lock feature is on, your phone automatically locks your keypad when the phone has been idle for a while. To unlock your phone, press the **Unlock** soft key, then press **OK**.

The following options are available. Use the **Down** Navigation key to scroll to and set options:

- **Language:** Allows you to select a display language. Press the **Save** soft key to save your new selection. Options include the following:
 - **Automatic:** The language is automatically selected according to the language of the SIM card used.
 - **English:** The selected phone language is changed to English.
 - **Español:** The selected phone language is changed to Spanish.

- **Shortcuts:** Allows you to change the menus that display when you press the Navigation keys in Idle mode.
- **Own Number:** Displays the number assigned to your phone.
- **Security:** For information on phone security, see page 56.
- **Reset Phone:** Displays: **All settings reset to factory defaults. Continue?**
- **Restore Phone:** Displays: **All settings reset to factory defaults and all user data will be deleted. Continue?**
- **Airplane Mode:** Select **On** or **Off** to set your phone to Airplane Mode.
- **T-Coil Mode:** Turn **On** or **Off** T-Coil Mode.

Security

Security enables you to restrict the use of your phone by the others and to restrict the types of calls. Various codes and passwords are used to protect the features of your phone.

Use the **Up** or **Down** Navigation key to scroll to and set the following options:

- **Lock Phone:** When enabled, the phone is locked and you must enter the 4- to 8-digit phone password each time the phone is switched on. Once the correct password has been entered, you can use the phone until you switch it off. The following options are available:
 - **Off:** you are not asked to enter the phone password when you switch on the phone.
 - **On:** you are required to enter the phone password when you switch on the phone.
- **Check PIN Code:** Allows you to select Off or On.
- **Set FDN Mode:** Allows you to select Off or On. Obtain Passcode from your Service Provider.
- **Change Phone Password:** Allows you to change your password to a new one. You must enter the current password before you can specify a new one. Once you have entered a new password, you are asked to confirm it by entering it again.
- **Change PIN Code:** Allows you to change your current PIN, provided the PIN check feature is enabled. You must enter the current PIN before you can specify a new one.
- **Change PIN2 Code:** Allows you to change your current PIN2 Code. You must first enter the current PIN2 (obtained from your service provider) before you can specify a new one. Enter a new PIN2 Code and confirm your entry.

Note: This lock code is typically the last four digits of the current phone number or it can be obtained from your service provider's customer service representative.

Calls

The Call menu allows you to set up these options:

- **General:** allows you to set up options for Show My Number, Call Answer, Call Status Tones and Alerts on Call.
- **Voice Call:** allows you to set up options for Call Waiting and Auto Redial.

Bluetooth

The Bluetooth settings allow you to turn on or off the Bluetooth function. In Idle mode, press **Menu → Settings → Bluetooth**.

- **Activation:** used to turn Bluetooth On or Off.
- **My Devices:** used to Search New Device or Paired Device.
- **Bluetooth Services:**
 - **Headset:** used to make incoming and outgoing call via Bluetooth.
 - **Handsfree:** used to make incoming and outgoing call via Bluetooth Car Kits.

Applications Settings

The Applications menu allows you to customize your phone by choosing options in these settings menus: Messaging, Camera, Calendar and Contacts.

- **Messaging Settings:** Allows you to set up options for Text Message, Multimedia Message, and to connect to your Voicemail number. You can also make a Broadcast Message, if this option is available on your SIM.
- **Camera Settings:** Allows you to set up the following camera options:
 - **General:** Allows you to turn on or off: Zoom Sound, Brightness Sound.
 - **Camera:** Allows you to choose from the following options: Shutter Sound (Shutter1, Shutter2, Shutter3), Viewfinder Mode (Full Screen, Full Screen & Indicator, Full Screen & Guideline, Actual Screen), Scene Program (Normal, Night-time Landscape), Metering Exposure (Normal, Center-weighted, Spot), Single Shot (Take and Review, Take and Return).

- **Calendar Settings:** Allows you to elect to start your calendar on Monday or on Sunday, and choose a default view: Month, Week or Day.
- **Contacts Settings:** Allows you to choose options to manage your Contacts in your Contact List. For more information, see “*Contacts Settings*” on page 52.

Used Space

The Memory menu allows you to view the memory usage on your phone. In Idle mode, press **Menu → Settings → Used Space** to view the memory usage in the following categories:

- **Shared Memory:** Shows the total shared memory available.
- **Messages:** Shows the number of messages stored on your phone and on your SIM Card.
- **My Folder:** Shows the memory usage in your Audio and Picture folders.
- **Calendar:** Shows the number of events scheduled on your calendar.
- **Contacts:** Shows the number of contacts stored on your phone and on your SIM Card.

About Phone

The About Phone menu provides information regarding open source licenses. Your phone displays the following: **This product includes certain free/open source software. The exact terms of the licenses, disclaimers, acknowledgements and notices are available on the Samsung's website <http://opensource.samsung.com>.**

Section 11: Health and Safety Information

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

Exposure to Radio Frequency (RF) Signals

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

Do cell phones pose a health hazard?

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

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

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

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

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

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

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

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

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

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

Interphone Study

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

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

<http://com.iarc.fr/en/media-centre/pr/>.

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

International Cohort Study on Mobile Phone Users (COSMOS)

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

<http://www.ukcosmos.org/index.html>.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at

http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at <http://seer.cancer.gov/>.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>.
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>.

- Health Protection Agency:
<http://www.hpa.org.uk/Topics/Radiation/>.
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>.

Specific Absorption Rate (SAR) Certification Information

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

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

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

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

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

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

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

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

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

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

- Head: 0.43 W/Kg.
- Body-worn: 0.73 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.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle. Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired.** Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to <http://www.ctia.org>.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.** Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.

- **Do not place your battery in or near a heat source.** Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire.** The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery.** Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone.** Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**
- **Do not allow the battery to touch metal objects.** Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

Warning! Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers.** Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp.

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: <http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm> or at <http://www.call2recycle.org/>.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recycle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

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

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

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

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

UL Certified Travel Charger

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

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

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

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

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

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

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

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

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

GPS & AGPS

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

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

Your Location

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

Use of AGPS in Emergency Calls

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

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

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

Navigation

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

Emergency Calls

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

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

To make an emergency call:

1. If the mobile device is not on, switch it on.
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 “Send” key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible.

Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion. Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.

- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: <http://www.audiology.org/Pages/default.aspx>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet: <http://www.nidcd.nih.gov/>

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: <http://www.cdc.gov/niosh/topics/noise/default.html>

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

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

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

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

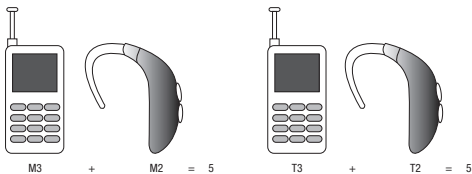
The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best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

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

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

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

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



In the above example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with “normal usage” while using their hearing aid with the particular wireless mobile device.

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

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

Restricting Children's Access to Your Mobile Device

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

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

FCC Notice and Cautions

FCC Notice

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

Cautions

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

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.

- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.