

Samsung SGH-a187

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

User Manual

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



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Section 1: Getting Started

This section describes how to start using your phone by activating your service and setting up your voicemail.

Activating Your Phone

When you subscribe to a cellular network, a plug-in SIM card is provided with your subscription details, such as your PIN and other optional services.

Removing the Battery

1. If your phone is turned on, power-off the phone by holding down the  key until the power-off image displays.
2. Remove the battery cover by placing your thumbnail into the slot at the top of the phone (1). Lift the cover up and off the phone (2).



3. Lift the bottom of the battery (1) and then lift it up and away (2).



Installing the SIM Card

- Make sure the gold contacts of the card face into the phone, and that the angled corner of the card is positioned as shown, as you slide the SIM card into the socket.



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

Removing the SIM Card

- ▶ To remove the SIM card, slide it away from the socket. See the following illustration.



Installing the Memory Card

Your phone also supports the use of a memory card (microSD™) for storage of such things as data, music, pictures, and video files. This type of memory card is designed for use with this mobile phone and other devices.

1. Push the microSD card into the slot until it clicks (as shown).

- Make sure the microSD's gold contact pins face downward and the card is securely inserted.



Note: Your phone has been tested to support up to a 16GB memory card.

Installing the Battery

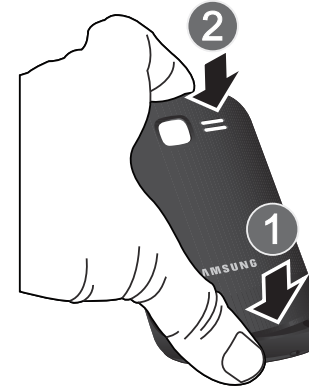
1. Insert the battery into the opening on the back of the phone. Make sure the connectors align (1).
2. Gently press down to secure the battery (2).



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

Replacing the Battery Cover

1. Place the battery cover onto the back of the phone and press down on the bottom of the cover (1).
2. Press down on the top of the cover (2) until you hear a light click.



Charging a Battery

Your phone is powered by a rechargeable Li-ion battery. Use the travel adaptor to charge the battery, and use only Samsung approved batteries and chargers.

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

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

1. Remove the protective cover from the port on the top of the phone.
2. Plug the connector of the travel adaptor into the charger port.



3. Plug the adaptor into a standard AC wall outlet. When charging is finished, unplug the adaptor from the power outlet.
4. Remove the adaptor from the charger port.

Note: You must unplug the adaptor before removing the battery from the phone during charging to avoid damage.

Note: When the travel adaptor is plugged in, the charging indicator may not appear for a few minutes, however the battery is charging properly.

Warning!: If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to “*Standard Limited Warranty*” on page 107.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, a warning tone sounds and the “Battery Low” message repeats at regular intervals on the display. The backlight turns off to conserve the remaining battery power.

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

Powering On or Off the Phone

1. Press and hold the  key or the  key until the phone power-on screen displays.
2. If the phone asks you to enter a password, enter a password and press the **OK** soft key () or the  key. For more information, refer to “*Change Phone Password*” on page 55.
3. If the phone asks for a PIN, enter the PIN and press the **OK** soft key or the  key. The Idle screen displays while the phone searches for your network. After the phone finds your network and displays adequate signal strength bars, you can make or receive calls.

Note: The display language is preset to Automatic at the factory. To change the language, use the Language menu. For more information, see “*Language*” on page 52.

4. When you want to switch off the phone, press and hold the  key until the power-off image displays.

Setting Up Your Voicemail

1. In Idle mode, press **Menu** → **Messaging** → **Voicemail**.
— or —
In Idle mode, press and hold .
2. When connected, follow the voice prompts from the voicemail center.

Changing the Voicemail Number

Your SIM card gives you the default service number of the voicemail center. However, you may need to change the number. Use the following procedures to change your voicemail number.

1. In Idle mode, press **Menu** → **Messaging** → **Messaging Settings** → **Voicemail** → **Voicemail Number**.
2. Highlight **Voicemail** and press the  key.
3. Highlight **Change Name** and change the name using the keypad.
4. Highlight **Edit Number** and change the voicemail number.
5. Press the **Options** soft key and select **Save** to modify the number.
6. Press the  key to return to Idle mode.

Refilling Your Account

You can refill your account using your phone.

1. In Idle mode, press **Menu → Address Book → Contact List**.
2. Highlight **AT&T Refill Your Account** and press **Options → Call**.
3. When connected, follow the instructions to refill your account.

You can also select **AT&T Account Balance** to:

- Check your rate plan, features, and purchases
- Reset your account passcode or voicemail password

Important!: You need your account passcode to access the account balance and to refill with a credit or debit card. Also, in order to refill with a credit or debit card from your phone, you must first call 611 and complete a credit/debit card refill to set up your payment card.

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.

Features of Your Phone

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

User friendly, menu driven access to features and options.

- Text messaging capability
- Speakerphone capability
- Mobile Email
- Instant Messaging capability
- Featured applications provide alarms, calculator, converter, and world time.

Front View of Your Phone

The following illustrations show the main elements of your phone:



Keys

The following list correlates to the front view illustration.

1. **Earpiece:** Used to listen to audio from your phone.
2. **Volume key:** allows you to adjust the ring volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either end of the volume key to mute the ring tone. Press and hold either end of the volume key to reject the call and send it directly to voicemail.
3. **Display:** This screen displays useful information needed to operate your phone.
4. **Left soft key:** Performs the functions indicated by the screen text on the bottom left of the display.
5. **Send key:** Allows you to place or receive a call. In Idle mode, press the key once to access the Recent Call log. Press and hold the key down to initiate the most recent call from the Recent Call log. If the phone is off, press and hold to power on the handset.
6. **Create Message:** Press the create message key () to display the Create Message screen.
7. **QWERTY keypad:** Use these keys to enter numbers, letters, and characters. For more information, refer to “*Using the QWERTY Keypad*” on page 27.
8. **Microphone:** The Microphone allows the other callers to hear you when you are speaking to them.
9. **Special Function keys:** In Idle mode, press and hold the space key () to toggle between Silent and Normal Profile modes. Press the IM key () to sign on to IM. Press the Lock key () to lock the keypad.
10. **Back / Clear key:** Deletes characters from the display when you are in text entry mode. When in a main menu, press to return to the previous menu. In Idle mode, press to display the Calendar in Month view.
11. **Menu confirm key:** When navigating through a menu accepts the highlighted choice in the menu. Press this key in Idle mode to **Open** the indicated application (Alarms, IM, Conversations, Create Message, Music Player, Calendar, or Contact List).

12. **Power on/off/Menu Exit key:** Ends a call. Press and hold this key for a few seconds to power your phone On or Off. While in the main menu, it returns the phone to Idle mode and cancels your input. When you receive an incoming call, press it to reject the call.
13. **Right soft key:** Performs the functions indicated by the screen text on the bottom right of the display.
14. **Navigation key:** This key allows you to scroll through phone menu options and provides a shortcut to phone functions from Idle mode. For more information, refer to “*Navigation Keys*” on page 14.
15. **Camera key:** allows you to take pictures when you are in camera mode. In Idle mode, press to take a photo or view your pictures.
16. **Power interface Connector/Headset jack:** used to plug in the charging accessories and to plug in a compatible headset.

Backlight

A backlight illuminates the display and the keypad when you press any key. It turns off when no keys are pressed within a

given period of time, or dims the light, depending on the settings in the **Backlight Time** menu.

Internal Display Layout

The display has three areas:



This display screen is called *Idle mode*.

Icons

This list identifies the symbols that appear on your phone's display and Indicator area:



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



Appears when a new text message has been received.



Appears when a new multimedia message has been received.



Appears when a new voicemail has been received.



Appears when you set an alarm to ring at a specified time.



Appears when there is no network coverage available.



Appears when a call is in progress.



Displays when your connection to an EDGE network is active.



Displays when an internal microSD memory card is detected.



Appears when the Call Forwarding feature is active.



Appears when Silent Profile Mode is active.



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



Displays when signed on to AIM IM service.



Displays when signed on to Windows Live IM service.



Displays when signed on to Yahoo IM service.



Displays when Bluetooth is activated.

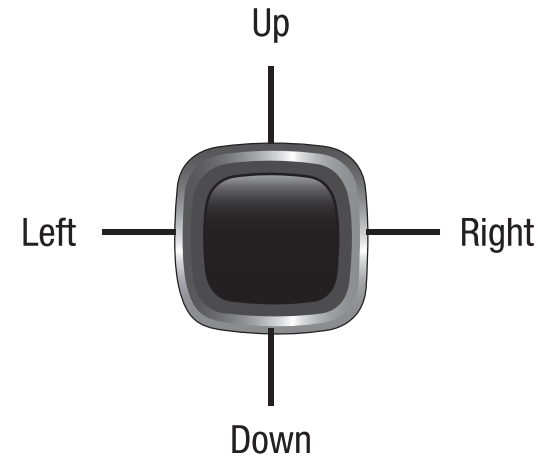
Selecting Functions and Options

Your phone offers a set of functions that can be customized for your ease and specific needs. These functions are arranged in menus and submenus, accessed using the two soft keys. Each menu and submenu 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 **OK** soft key or the  key.

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

Navigation Keys



Use the directional keys on the Navigation key to browse menus, submenus, and lists. Press the **Up** or **Down** navigation key when jumping to highlighted links on the web.

In Idle mode, press the **Left** or **Right** navigation key to scroll through the Shortcuts Toolbar.

Also, each key acts as a shortcut to launch applications. For more information, refer to “*Shortcuts*” on page 53.

Selecting Options

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

- Press the **Left** soft key.

- To select the function displayed or the option highlighted, press 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 or the  key.
- To exit the menu structure without changing the settings, press the  key.

Command Keys

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

Soft Keys

The roles of the soft keys vary depending on the function you are currently using. The labels on the bottom line of the display just above each key indicate their current role.

Left Soft Key

Some functions of the **Left** soft key  are:

- In Idle mode, press the **Go to** soft key to open the Go To shortcuts screen.
- When in a menu mode, the **Left** soft key function is **Select**.

Right Soft Key

Some functions of the **Right** soft key  are:

- In Idle mode, press the **Menu** soft key to open the Menu screen.
- When in a menu mode the **Right** soft key function is **Back**.

Clear Key

The **Clear** key  is used to erase or clear numbers, text, or symbols from the display. You can also press the **Clear** key to return to a previous menu or to return to Idle mode from any menu.

- If you enter an incorrect character, briefly press the **Clear** key to backspace and delete the character.
- To erase the entire sentence, press and hold the **Clear** key.
- To back up one menu level, briefly press the **Clear** key.
- In Idle mode, briefly press the **Clear** key to access the Calendar in Month view.

End Key

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

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

Send Key

The **Send** key  is used to answer calls, dial calls, and to recall the last numbers dialed, received, or missed.

- Press and hold the **Send** key to turn on your phone.
- Press the **Send** key once to answer calls.
- Enter a number and briefly press the **Send** key to make a call.
- Briefly press the **Send** key in Idle mode to display a list of recent calls to and from your phone.
- Press the **Send** key twice in Idle mode to call the most recent number.
- Press the **Send** key to pick up a waiting call.

Section 3: Menu Navigation

This section explains the menu navigation for your phone.

Accessing Menus

Menus and submenus can be accessed by scrolling using the Navigation keys or by using the shortcut keys.

Accessing a Menu Function by Scrolling

1. In Idle mode, press **Menu → Settings → Phone**. If the menu contains submenus, you can access them by highlighting the option and by pressing the **Select** soft key or the  key.
2. If the menu that you have selected contains further options, repeat this step. To scroll through the menus, press the **Up** or **Down** navigation key. Press the **Select** soft key, or the  key to make your selection.
3. To return to the previous menu level, press the **Back** soft key or the  key.
4. To exit the menu without changing the settings, press the  key.

Using Numbered Menu Shortcuts

Numbered menu items, such as menus, submenus, and options can be quickly accessed by using their shortcut numbers. In Menu mode, Main Menu can be accessed by pressing the number keys (1 to 0, * and # keys) corresponding to their location on the screen.

Example: Accessing the Language menu.

1. Press the **Menu** soft key.
2. Press the 9 key () for **Settings**.
3. Press the 5 key () for **Phone**.
4. Press the 1 key () for **Language**.

The available languages are displayed.

Navigation Keys

The Navigation Keys (see "*Navigation Keys*" on page 14) come preset. To change the Navigation Keys, follow these steps:

1. In Idle mode, press **Menu → Settings → Phone → Shortcuts**.
2. You can change the **Up**, **Down**, **Left**, and **Right** menu options by highlighting the option and pressing the **Options** soft key.
3. You can **Change** or **Remove** the selected shortcut or you can **Remove All** settings.
4. To change a shortcut setting, press the **Select** soft key or the  key and use the **Up** or **Down** Navigation keys to highlight the new selection.
5. Press the **Save** soft key or the  key to save the change.

Note: The Navigation Keys are accessible when the Shortcuts Toolbar is off. For more information, refer to "*Shortcuts Toolbar*" on page 51.

Go to

Applications can be accessed in Idle mode by pressing the **Go to** soft key.

My Menu displays the following menu items:

- **Camera:** opens the Camera. For more information, refer to "*Camera*" on page 70.
- **Bluetooth:** displays the Bluetooth settings screen. For more information, refer to "*Bluetooth*" on page 59.
- **Alarms:** allows you to set the alarms for your phone. For more information, refer to "*Alarms*" on page 77.
- **Recent Calls:** displays the Recent Calls screen. For more information, refer to "*Recent Calls*" on page 21.
- **IM:** allows you to access Instant Messaging. For more information, refer to "*Using Instant Messaging (IM)*" on page 36.
- **Games:** displays the Games menu. For more information, refer to "*Games*" on page 66.
- **Tools:** allows you to quickly access the Tools menu. For more information, refer to "*Tools*" on page 70.
- **Applications:** displays the Applications menu. For more information, refer to "*Applications*" on page 63.
- **Empty 9 - #:** allows you to set the menu items to menus that you frequently use.

To assign a Go to application:

1. Highlight an Empty slot.
1. Press **Options → Assign**.
2. Use the Navigation keys and the **More** soft key to navigate to the menu you want to assign.
3. Press the **Assign** soft key to assign your menu selection to the Empty slot.

Menu Navigation Notation

In order to direct you to a menu, submenu, or menu item, a notation similar to the following is used throughout this manual:

- In Idle mode, press **Menu → My Stuff → Tools → Calendar**.

This is a shorthand way of saying:

- Press the **Menu** soft key.
- Use the Navigation keys to highlight the **My Stuff** icon and press the **Select** soft key or the  key.
- Use the **Down** Navigation key to highlight **Tools** in the My Stuff menu and press the **Select** soft key or the  key.
- Use the **Down** Navigation key to highlight **Calendar** in the Tools menu and press the **Select** soft key or the  key.

In most cases, it is assumed that the **Options** soft key is already visible and notation similar to the following is used to direct you to an option:

Press **Options → Settings → Default View by**.

This is a shorthand way of saying:

- Use the **Down** Navigation key to highlight **Settings** in the Options list and press the **Select** soft key or the  key.
- Use the **Down** Navigation key to highlight **Default View by** in the Settings list and press the **Select** soft key or the  key.

Using the **Down** navigation key is not necessary for items that are first in the list.

Section 4: Call Functions

This section describes how to make and answer a call. It also includes the features and functionality associated with making and 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. In Idle mode, press the  key. The + character appears.
2. Enter the country code, area code, and phone number.
Press the  key.

Correcting a Dialed Number

Use the following steps to correct an incorrectly typed entry prior to initiating the call.

1. After dialing a number
 - To clear the last digit displayed, press the  key.
 - To clear another digit in the number, press the **Left** or **Right** navigation key until the cursor is immediately to the right of the digit to be cleared. Press the  key.
 - To enter a missing digit press the **Left** or **Right** navigation key until the cursor is in position and enter the digit.

- To clear the whole display, press and hold the  key.

2. Press the  key to return to the Idle screen.

Ending a Call

When you want to end your call, briefly press the  key.

Redialing the Last Number

1. In Idle mode, press the  key to display a list of the most recent numbers used in the order you dialed or received them. The number or name of the last call is highlighted.
2. Press the  key to dial.

Making a Call from the Address Book

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

Once you have stored a number in the **Address Book**, you can dial it by pressing a few keys using the **Speed Dial** feature.

For further details about the **Address Book** feature, see “*Finding an Address Book Entry*” on page 40.

Adjusting the Call Volume

During a call, if you want to adjust the earpiece volume, use the **Up** or **Down** volume key.

Answering a Call

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

1. In Idle mode, press the  key or the **Accept** soft key to answer the incoming call.

Note: Press **Menu → Settings → Calls → General → Call Answer**. If the **Any Key** option in the **Call Answer** menu is activated, you can press any key to answer a call except the  key and the **Reject** soft key.

2. End the call by pressing the  key.

Note: You can answer a call while using the Address Book 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 dialed, received, or missed in the Recent Calls menu. The Recent Calls menu lists the following options: All Calls, Missed Calls, Calls Made, Calls Received, Delete All, Call Time, Data Volume, and Data Call Time. If the number or caller is listed in your Address Book, the associated name displays.

Dialing a Number in Recent Calls

1. In Idle mode, press **Menu → My Stuff → Tools → Recent Calls**.
2. Use the **Up** and **Down** navigation keys to highlight a calls list (**All Calls**, **Missed Calls**, **Calls Made**, or **Calls Received**) and press the **Select** soft key.

Tip: In Idle mode, press the  key to display a list of the most recent numbers used in the order you dialed or received them.

3. Use the **Up** and **Down** navigation keys to highlight the number or name you want to call and press the  key.

Viewing Missed Calls

The number of calls you have missed displays on the Idle screen when a call is missed. To view the number details, use the following steps:

1. Press the **View** soft key. The most recent missed call displays.

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

2. To scroll through the missed calls, press the **Up** or **Down** navigation key.

Deleting a Missed Call

To delete a missed call entry, use the following steps:

1. Immediately after missing a call, press the  key.
2. Press the **Options** soft key and highlight **Delete**. The following options are available:
 - **Selected:** Only deletes the missed call that you highlight.
 - **All:** Deletes all missed call entries.
3. Highlight one of the options and press the **Select** soft key, or the  key.

4. At the “**Delete?**” prompt, press the **Yes** soft key to confirm deletion or **No** to cancel.

Call Time

1. In Idle mode, press **Menu** → **My Stuff** → **Tools** → **Recent Calls** → **Call Time**.
2. The following options are available:
 - **Last Call Time:** shows the length of time for the last call.
 - **Total Sent:** shows the total length of time for the calls made.
 - **Total Received:** shows the total length of time for the calls received.
3. If you want to reset your Call Time information, press the **Reset** soft key.
4. At the “**Are You Sure?**” prompt, press the **Yes** soft key to confirm the reset or **No** to cancel.
5. Enter your password. At the “**Confirm New Password**”, re-enter the same password and press the **OK** soft key.

Note: You are only required to set the password 1 time. After the initial setup, you can enter the password to reset the call times.

6. Press the **Back** soft key or the  key to end.

Data Volume

1. In Idle mode, press **Menu → My Stuff → Tools → Recent Calls → Data Volume**.
2. Use the **Up** and **Down** navigation keys to view the following information:
 - **Last Sent Data**: shows the size of data sent last.
 - **Last Received Data**: shows the size of data received last.
 - **Total Sent Data**: shows the total volume of data sent from the phone.
 - **Total Received Data**: shows the total volume of data received from the phone.
3. Press the **Back** soft key or the  key to end.

Data Call Time

1. In Idle mode, press **Menu → My Stuff → Tools → Recent Calls → Data Call Time**.
2. The following options are available:
 - **Last Data Call**: shows the time used for the last data call sent or received.
 - **Total Data Call**: shows the total time used to send or receive data.
3. Press the **Back** soft key or the  key to end.

Silent Profile Mode

Silent Profile mode is convenient when you want to stop the phone from making noise, in a theater for example.

In Idle mode, press and hold the  key until the **Silent profile on** message and the  Silent Profile Mode icon displays.

By default, your phone vibrates when in Silent Profile mode. You can also set it to Mute. To change the Silent Profile mode setting, see “*Sound Profile*” on page 48.

To exit and reactivate the previous sound settings, press and hold the  key again until **Normal profile on** displays. The Silent Profile Mode icon  no longer displays.

Options During a Call

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

Speakerphone Key

During a call, press **Spkr on**  to activate the speakerphone. Use the **Up** and **Down** Volume keys to adjust the volume. To turn the speakerphone off, press **Spkr off** .

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 the left soft key **Options**. Highlight **Hold** and press the **Select** soft key. The call is on hold.
2. You can reactivate the call whenever you want, by pressing the **Resume** soft key.

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

1. Place the call on hold, using the previous procedures, and enter the phone number that you want to dial or look it up in the Address Book.
2. Press the  key to dial the second call.

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold. To switch between the two calls, simply press the **Options** soft key and select **Swap**. The current call is placed on hold and the call on hold is reactivated so that you can continue conversing with that person.

In Call Options

During a call, press the **Options** soft key to access the following:

- **Hold**: Places the call on hold.
- **New Call**: places the current call on hold and allows you to enter and dial another number.
- **Contact List**: access the Address Book information.
- **Message**: allows you to create a new text message or go to your My Messages folder.
- **Calendar**: displays the calendar on the phone.
- **Mute/Send Keypad Tone**: turns the key sound off or on during the call.
- **Send DTMF**: sends DTMF (Dual Tone Multi-Frequency) tones to the contacts you have selected.

If you are in a multiparty call, the following options also display:

- **Swap**: allows you to switch between active calls.
- **Join**: joins the calls you have established with your phone.
- **Split**: when a multiparty call is in progress, the split option allows you to talk with any of the parties separately.
- **Remove**: allows you to remove any of the parties connected in a multiparty call.
- **End Held Call**: ends the call that is placed on hold.

When you are finished with your call, end each call normally by pressing the  key.

Switching off the Microphone (Mute)

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

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

During a call, to switch the microphone off temporarily:

1. Press the **Mute** soft key . **Unmute** displays on the soft key.
2. Press the **Unmute** soft key  to deactivate the Mute function.

Muting or Sending Key Tones

These options allow you to turn the key tones off or on. If the **Mute Keypad Tone** option is selected, your phone does not transmit the DTMF (Dual Tone Multi-Frequency) tones of the keys, which allows you to press keys without hearing key tones during a call.

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

Searching for a Number in Address Book

You can search for a number in Address Book during a call.

1. Press **Options** → **Contact List**.

The Contact List screen displays.

2. Use the Navigation keys to select an entry. Enter the first few letters of the name to display entries listed starting with the first entry matching your input. Scroll to the name you are looking for using the **Up** or **Down** key. Press the  key to select the contact.
3. Press the **Options** soft key to access the following options:
 - **Edit:** allows you to edit the contact information.
 - **Send Message:** allows you to send the selected contact a message.
 - **Call:** allows you to call the number.
 - **Copy to Phone/SIM Card/SIM Card (FDN):** allows you to copy the contact to the phone memory, your SIM card, or your SIM card FDN contacts, depending on where the contact is originally saved.
 - **Send Business Card:** this option is not supported during a call.
 - **Assign Speed Dial:** allows you to assign a speed dial number to the selected contact.
 - **Delete:** allows you to delete the selected contact from your Contact List.

4. Press the **Select** soft key to make your selection or the **Back** soft key to return to the contact information.

For further details about the **Address Book** feature, see “*Finding an Address Book Entry*” on page 40.

Call Waiting

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network, and you have set the **Call Waiting-Voice Calls** option to **Activate** (see ‘Call Waiting’ on page 58 for more information). You are notified of an incoming call by a call waiting tone.

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

1. Press the  key or the **Accept** soft key to answer the incoming call. The first call is automatically put on hold.
2. To switch between the two calls, press the **Options** soft key and select **Swap**.

To end a call on hold, press the **Options** soft key, select the **End Held Call** option and press the **Select** soft key.

To end the current call, press the  key.

Section 5: Entering Text

This section outlines how to select the desired text input mode when entering characters into your phone. This section also describes how to use the T9 predictive text entry system to reduce the amount of key strokes associated with entering text.

Using the QWERTY Keypad

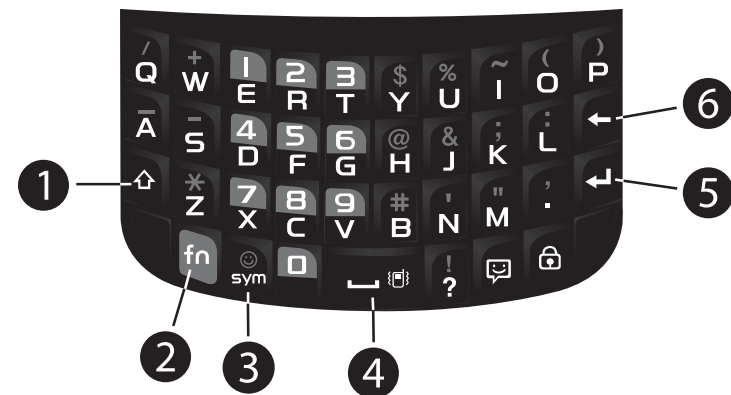
This phone offers the convenience of a QWERTY keyboard-style keypad. Using the QWERTY keypad to type letters, numbers, punctuation, and other special characters into text entry fields or other applications should be simple and fast.

By default, the first letter of an entry is capitalized and all consecutive letters are kept in lowercase unless you press the **Shift** key. After entering a character, the cursor automatically advances to the next space after two seconds or when you enter a character on a different key.

The keypad provides dual-use keys labeled with alphabetic characters on the bottom half (in white) and numbers and symbols on the top half. Press the key corresponding to the character you want to enter.

Special Keys

The following keys perform special functions when entering text in T9 or ABC mode:



1. **Shift** (): Press quickly to set the current text input mode (initial caps, lowercase, and all uppercase). Press and hold to activate or deactivate the T9 mode.
2. **Function** (): Press once to type special characters and numbers that appear on the top half of the QWERTY keys. Examples: \$, @, #, !, 1, 2. Press twice to type multiple characters (CAP LOCK). Press again to deactivate this function.

3. **Symbols/Emoticons** (): Press to display several screens of symbols. Press the  key and then the  key to display Emoticons.
4. **Space** (): press to insert an empty space.
Double press inserts a period and a space.
5. **Enter** (): Press to start a new line.
6. **Backspace** (): Press to delete the previous character, similar to the backspace key on a computer keyboard.

You can move the cursor by using the **Left** and **Right** Navigation keys.

Press the  key to delete letters. Press and hold the  key to clear all letters in the display.

Text Input Mode

The **Text Mode** option allows you to choose T9, ABC, or Numeric mode.

- **T9 Mode**: allows you to enter words with fewer keystrokes. The T9 mode automatically compares the series of keystrokes you make with an internal linguistic dictionary to determine the most likely word, thus requiring fewer keystrokes than the traditional ABC mode.
- **ABC Mode**: allows you to enter alphabetic characters by pressing the key labeled with the corresponding letter.

- **Numeric Mode**: allows you to enter numbers.
- **Symbols Mode**: allows you to enter symbols, such as punctuation marks.

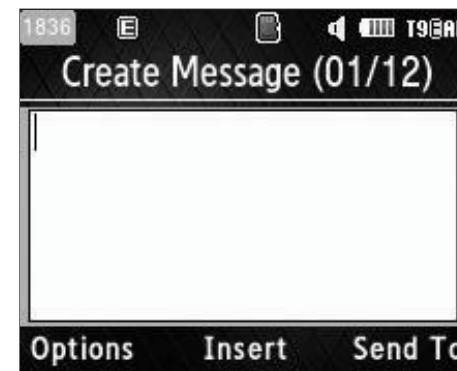
Changing Text Input Mode

- ▶ Press **Options** → **Text Mode**.

Choose from the following options: **abc**, **Abc**, **ABC**, **T9abc**, **T9Abc**, **T9ABC**, or **123**.

Text Input Mode Indicator

When you are in a text entry field, the Text Input Mode indicator displays.



Text Input Mode indicator

Using T9 Predictive Text Mode

T9 Predictive text input mode makes it easier to enter words by offering word suggestions based on a built-in dictionary. You can also add words to the dictionary to make future text entry even easier.

Entering a Word in T9 Mode

1. Press **Options** → **Text Mode** → **T9Abc**.

T9Ab appears as the text input mode indicator in the upper right corner of the screen.

2. Begin entering a word by pressing the A through Z keys. As you press each key, a list of words displays that match the keystrokes you have entered so far. Only two suggested words are displayed. Press the **Down** Navigation key to see more suggestions. **Add Word** is shown at the end of the list.
3. To select a suggested word, press the **Down** Navigation key, highlight the word you want, and press the  key.
4. If the word you want does not display, continue typing the word or select **Add Word** to add a new word to the T9 dictionary.

Adding a New Word to the T9 Dictionary

1. After pressing the keys corresponding to the word you want to add, alternative words are displayed.
2. After the last alternative word is displayed, **Add Word** displays. Press the **Down** Navigation key, highlight **Add Word**, and press the  key.
3. Enter the word you want to add using ABC mode.
4. Press the **Add** soft key or the  key.

The word is added to the T9 dictionary and becomes the first word for the associated keypress series.

Continue until you have finished your message.

For more information on sending messages, see “*Creating and Sending New Text Messages*” on page 32.

Note: This feature may not be available for some languages.

Using Alphabet Mode

The Alphabet, or ABC, mode does not make word suggestions.

1. Press **Options → Text Mode → Abc**.

Abc appears as the text input mode indicator in the upper right corner of the screen.

2. Press each key only once for each letter.

Entering Numbers, Punctuation Marks, and Symbols

Numbers, punctuation marks, and symbols are entered in the same ways for T9 or ABC mode.

To enter numbers:

1. Press **Options → Text Mode → 123**.

— or —

Press .

2. Press the key that corresponds to the number.

To enter punctuation marks or symbols:

1. Press  and then press the key that corresponds to the punctuation mark or symbol.

— or —

2. Press  and then press the **Left, Right, Up, and Down** navigation keys to scroll through the possible punctuation marks and symbols. Press the indicated number of the character on the keypad. After all characters have been selected, press the **OK** soft key or the  key.

Using Emoticon Mode

Emoticons are a group of characters that represent your mood or facial expression. Several Emoticons are available on your phone and can be entered into your text.

To enter an Emoticon:

1. Press  → .
2. Press the **Left, Right, Up, and Down** navigation keys to scroll through the possible Emoticons. Press the indicated number of the Emoticon on the keypad. After all selections have been made, press the **OK** soft key or the  key.

Entering Text in an Edit Field

When you are editing a field, such as a contact name, the Abc mode is used by default.

- To enter numbers or punctuation marks, press  and then press the key that corresponds to the number or punctuation mark.
- To enter symbols, press  and then press the number of the symbol.

When you are editing a phone number field, only numbers can be entered.

Section 6: Messaging

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

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture) Messages
- IM Messages
- Mobile Email

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones and email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture messages) to and from other mobile phones and email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Creating and Sending New Text Messages

Tip: In Idle mode, press the **Left** or **Right** Navigation key until Create Message is highlighted, then press the  key to access the Create Message screen.

1. In Idle mode, press **Menu → Messaging → Create Message**.

2. Enter text into the message.

Press **Options → Text Mode** and choose from the following options: **abc**, **Abc**, **ABC**, **T9abc**, **T9Abc**, **T9ABC**, or **123**.

For more information on entering text into your new message, see “*Entering Text*” on page 27.

3. Press **Options → View Recipients List** or the **Send To** soft key to display the Recipient list screen, which allows you to add 10 recipients and change recipients to Cc or Bcc. You can press **Options → Add Recipients** to add recent recipients, contacts from your Address Book, groups, or FDN Contacts.

4. When you have finished writing your Text Message, press the **Options** soft key and choose from these additional options:
 - **Advanced Options:** allows you to add a subject; attach a file, a business card, an appointment, or a favorite URL; or select a language (English, Français, or Español).
 - **Save to Drafts:** allows you to save the message to the Phone or SIM Drafts folder.
 - **Delivery Options:** allows you to keep a copy of the message.
 - **Request Reports:** allows you to be alerted when the message is received and when it is read (text messages only).
 - **Cancel Message:** allows you to cancel the message.
5. Press **Send To → Send** to send the message.

Creating and Sending New Multimedia Messages

Multimedia messages are created in a manner similar to text messages.

1. In Idle mode, press **Menu → Messaging → Create Message**.
2. Enter text into the message.

3. Press **Insert** () to insert a stored picture, a stored sound, a message from the Text Templates, a Contact List entry, a new picture, a new sound, a URL from your Favorites menu, or a contact's information.
 - **Picture:** allows you to choose an existing image from My Photos, Downloaded Graphics, or the Memory Card. Press the **Add soft key** to insert the picture into your message.
 - **Sound:** allows you to choose an existing audio file from Recorded Audio, Downloaded Tones, or the Memory Card. Press the **Add soft key** to insert the picture into your message.
 - **Templates:** allows you to insert one of the preset message templates to the text (for example, "Call me when you get this message."). Highlight the preset message and press the **Select soft key** or the  key to insert it into your message.
 - **Take picture:** allows you to temporarily exit the message and take a photo with the phone's built-in camera. Press the **Add soft key** to insert the picture into your message. For more information on taking pictures, see "*Camera*" on page 70.
 - **Record Sound:** allows you to temporarily exit the message, record an audio clip using the phone's microphone, and then **Save** it. Press the **Add soft key** to insert the picture into your message. For more information on recording audio, see "*Record Audio*" on page 75.
 - **Favorites URL:** allows you to temporarily exit the message, access your Favorites list, and select the URL you would like to add to the

current message. Highlight the URL and press the **Select** soft key or the  key to insert it into your message.

- **Contact Info:** allows you to choose an existing Address Book entry and insert the contact information into your message. Highlight the contact and press **Options** → **Select** or the  key to insert the contact information into your message.

4. When you have finished creating your multimedia message, press the **Options** soft key and choose from these additional multimedia message options:

- **Preview:** allows you to preview your current message before delivery.
- **Slide Options:** allows you to add more images to the current message, but then have those configured to display as a slide show on the recipients phone. Options include: Add Slide, Delete Slide, and Edit style.

For additional message options, see “*Creating and Sending New Text Messages*” on page 32.

5. Press **Send To** → **Send** to send the message.

Retrieving New Messages

The Message icon  displays when you receive a new text message and the Multimedia icon  displays when you receive a new multimedia message. When the memory is full, an error message displays and you cannot receive any new

messages. Use the **Delete** option in each message box to delete obsolete messages.

Use the following steps to view messages in your Inbox:

Viewing a Message

1. In Idle mode, press **Menu** → **Messaging** → **Inbox**.

The message list opens. The icons on the left indicate the message status.

2. Highlight a message on the list and press the **View** soft key (). The message content displays.

3. Press the **Up** or **Down** Navigation key to scroll through the message screen.

4. When you have finished, press the **Back** soft key to view more messages or the  key to return to Idle mode.

Using Message Options

With a text or multimedia message highlighted in the Inbox, press the **Options** soft key to access the following options:

- **Reply:** allows you to reply to the message.
- **Call:** allows you to call the originator of the message.
- **Delete:** allows you to delete the selected message or multiple messages.

- **Forward:** allows you to forward this message to another recipient.
- **Save Address:** allows you to save the sender's or a recipient's information from the message to your Address Book. Highlight the information you want to save and press **Options → Save Address**, use the keypad to edit the information, press the **Save** soft key, and select either New Contact or Existing Contact. For more information, see *"Understanding Your Address Book"* on page 40. (This option is only available for text messages.)
- **More:**
 - **Move to Phone/Move to SIM:** if a message is stored in the SIM card, it is saved to the phone's memory. If a message is stored in the phone's memory, it is then saved to the SIM card. (This option is only available for text messages.)
 - **Lock/Unlock:** allows you to lock the message to protect it from deletion or unlock it to allow deletion.
 - **Mark as Read:** allows you to mark unread messages as read.
 - **Sort by:** allows you to set the sort options. Choose from Date, Read/Unread, Sender, Type, Size, or Subject.

While viewing the contents of a single text or multimedia message, press the **Options** soft key to access the following options:

- **Play:** allows you to play the multimedia message. To stop playback of the multimedia message, press **Stop**. (This option is only available for multimedia messages.)
- **Call:** allows you to call the originator of the message.

- **Delete:** allows you to delete the message.
- **Forward:** allows you to forward the message.
- **Message Details:** allows you to view the properties associated with this message such as: Date, From, To, Cc, Size, Priority, or Class. (This option is only available for multimedia messages.)
- **Save Address:** allows you to save the sender's or a recipient's information from the message to your Address Book. Highlight the information you want to save and press **Options → Save Address**, use the keypad to edit the information, press the **Save** soft key, and select either New Contact or Existing Contact. For more information, see *"Understanding Your Address Book"* on page 40.
- **More:**
 - **Move to phone/Move to SIM card:** if a message is stored in the SIM card, it is saved to the phone's memory. If a message is stored in the phone's memory, it is then saved to the SIM card. (This option is only available for text messages.)
 - **Save Items:** allows you to save any selected attachments. Select from the following options. (This option is only available for multimedia messages.)
 - **View:** allows you to view picture attachments.
 - **Play:** allows you to play sound attachments
 - **Save to My Files:** allows you to save the file. If the filename matches one you already have in your folder, you are prompted to rename the filename.

- **Lock/Unlock:** allows you to lock the message to protect it from deletion or unlock it to allow deletion.

Deleting Messages

You can delete messages individually, all messages in each message folder, or all of messages in all message folders.

1. In Idle mode, press **Menu → Messaging → Delete by Folders.**
2. Select the message folders you want to empty by using the Navigation keys to highlight the folder and press the **Select** soft key or the  key to mark the folder for deletion.
– or –
Highlight **All** and press the  key to mark all folders.
3. Press the **Delete** soft key.
4. At the “**Delete?**” confirmation screen, press the **Yes** soft key or the  key to confirm deletion or press the **No** soft key to cancel deletion.
5. When you have finished, press the  key.

Using Instant Messaging (IM)

Instant Messaging is a way of sending short, simple messages that are delivered real time to users online.

Before using this feature, you need to subscribe to a messaging service. Your handset has three preloaded messaging services (AIM, Windows Live, and Yahoo!).

Tip: In Idle mode, press the **Left** or **Right** Navigation key until IM is highlighted, then press the  key to access the Select Community screen.

Note: Contact AT&T customer service for further details.

Signing into Your IM Account

Although each account type differs, the initial sign in procedure is common to all supported types. Before beginning the sign in procedure, you must complete the previous procedures for selecting your default IM Community.

1. In Idle mode, press **Menu → IM.**
2. Highlight the Messaging service to which you have previously subscribed by using the **Left** or **Right** Navigation key and press the **Select** soft key or the  key.

3. Highlight the **New Account** option and press the **OK** soft key or the  key.
4. Enter the required sign on information such as ID and password, then press the **Down Navigation** key.

Note: The information required for sign on varies depending on the Instant Messaging provider you use.

5. Fill in all the appropriate fields and press the **Sign In** soft key or the  key.
6. Agree to the terms and conditions of use for this service and press the **I Accept** soft key or the  key.
7. Follow the on-screen instructions to read, reply to, compose, send, and manage your Instant Messaging account.

Using the Instant Messaging Options

After selecting an Instant Messaging service, the following options display:

- **New Account:** allows you to log in to your Instant Messaging as a new account.
- **Settings:** allows you to change your Settings.
- **Help:** provides helpful information about IM providers:

- **Service Provider Info:** displays Provider Name, Provider Description, and Provider URL.
- **Help Text:** displays information about Sign up, Sign in, Buddies, Sending IMs, Receiving IMs, Privacy, and Away.

Using Message Templates

Your phone has message templates to allow you to retrieve them when creating a message. You can change the templates as your preferences or send a message immediately.

1. In Idle mode, press **Menu → Messaging → Templates**.
2. Highlight a template and press the **Options** soft key to access the following options:
 - **Edit:** allows you to change the template. For more information, see “*Entering Text*” on page 27.
 - **Send message:** allows you to send the template message using the Create Message screen.
 - **Delete:** deletes the selected or multiple templates.
3. When you have finished, press the  key.

Messaging Settings

You can set up various options for using messaging services.

1. In Idle mode, press **Menu → Messaging → Messaging Settings**.
2. The following messaging settings are available:

- **Text Message:**
 - **Delivery Options:** allows you to keep a copy of the message.
 - **Text Message Center:** provides the Service Center number telephone number.
- **Multimedia Message:**
 - **Delivery Options:** allows you to: be alerted when the message is received and when it is read, set the message Priority (Low, Normal, or High), set the Expiration (1 Hour, 6 Hours, 1 Day, 1 Week, or Maximum), and set the Delivery After (Immediately, 1 Hour, 6 Hours, 12 Hours, 1 Day, 3 Days, 1 Week, or 1 Month).
 - **Receiving Options:** allows you to set the options for receiving multimedia messages.
 - **MMS Profiles:** you can select a connection profile which is then used for sending and receiving Multimedia messages.
 - **Creation Mode:** you can specify that the users creating new media content be given the following options: Free, Warning, and Restricted.
 - Free:** create a multimedia message with no restrictions.
 - Warning:** sends a warning when unsupported content is included in a message.
 - Restricted:** prevents you from including unsupported content.
- **Voicemail:** allows you to change your Voicemail Server Number.

Important!: Changing the Voicemail number can affect your ability to access your Voicemail. Check with your provider's Customer Service before changing.

- **Push Message:** allows you to set the receive message type and interval. Also allows you to change the Service Center number.
- **Broadcast Message:** allows you to receive a broadcast message from the server (SIM dependent).

Used Space

The Used Space option displays the memory used for various types of messages displayed as well as the available or remaining memory.

1. In Idle mode, press **Menu → Messaging → Used Space**.
2. Use the **Left** or **Right** Navigation key to select the message type to view:
 - Text Message
 - Multimedia Message
 - Push Message
3. Scroll down to view the Used Space for various items.
4. Press the **Back** soft key to return to the **Messaging** menu.

Using Mobile Email

Take your email with you! With Mobile Email you can check your Yahoo! Mail, AOL Mail[®], AIM Mail, Windows Live Hotmail, AT&T Mail, Gmail, and other providers quickly and easily.

Signing into Your Mobile Email

To sign into your Mobile Email, follow these steps:

1. Press **Menu** → **Mobile Email**.
2. Highlight an Email carrier of your choice and press the  key.
3. Read the Terms of Use, if applicable, and press **I Agree**.
4. Select a domain, if applicable, and press **Select**.
5. Enter your **Email Address** and **Password** then press **Sign In**.
6. Follow on-screen instructions to complete the process.

Section 7: Understanding Your Address Book

This section describes how to manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name or entry.

Using Contact List

Tip: In Idle mode, press the **Left** or **Right** Navigation key until Contact List is highlighted, then press the  key to access the Contact List.

Dialing a Number from Address Book

Once you have stored phone numbers in the Address book, you can dial them easily and quickly by using the location numbers that were assigned to them in the Address Book.

Finding an Address Book Entry

You can store phone numbers and their corresponding names in your SIM card and phone's memories. They are physically separate but are used as a single entity, called Address Book.

Phone numbers and names are stored by default to your phone's memory. You can change the setting that allows you to save phone numbers and names to your SIM card. See the **View Contacts from** setting in 'Address Book Settings' on page 45.

Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store may differ.

1. In Idle mode, press **Menu** → **Address Book** → **Contact List**.
2. Enter the first few letters of the name. The Address Book 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 the  key to dial the number or press the **Options** soft key to access the Address Book entry options.

Using Address Book Entry Options

While accessing any Address Book entry, press the **Options** for the entry.

The following options are available:

- **Edit:** allows you to edit the contact entry.
- **Send Message:** allows you to send a message to the selected contact entry as a Text message or a Multimedia message.
- **Call:** allows you to call the selected contact entry.

- **Copy to Phone/SIM Card/SIM Card (FDN):** allows you to copy the contact to the phone memory, your SIM card, or your SIM card FDN contacts, depending on where the contact is originally saved.
- **Send Business Card via:** allows you to send a message to the selected entry that contains the information from an Address Book Business Card entry that you have on file. This can be sent as either a message or by way of Bluetooth.
- **Assign Speed Dial:** allows you to set the speed dial key for this entry.
- **Delete:** allows you to delete the selected contact.

Adding a New Contact

Use the following steps to add a new Contact.

Ask on Saving

You can set up the phone to ask where you want to save the contact number, to the Phone or SIM card.

1. In Idle mode, press **Menu → Address Book → Address Book Settings → Save New Contacts to**.
2. Select **Ask on Saving**.

Note: When **Ask on Saving** is selected, the phone prompts to ask whether you want to store to the Phone's memory or the SIM card.

Storing a Number in the Phone's Memory

1. In Idle mode, press **Menu → Address Book → Add New Contact**.
2. Enter information into the following fields. Use the **Down** navigation key to scroll down the list.
 - **First Name:** enter the contact's First Name.
 - **Last Name:** enter the contact's Last Name.
 - **Mobile:** assigns the number entered to the Mobile entry.
 - **Home:** assigns the number entered to the Home entry.
 - **Office:** assigns the office number entered to the Office entry.
 - **Fax:** assigns a fax phone number for the contact entry.
 - **Other:** assigns another number for the contact entry.
 - **Email:** allows you to assign the email information to this contact.
 - **Caller ID:** allows you to add a Caller ID to the phone number.
 - **Ringtone:** allows you to select a ringtone for this contact.
 - **Group:** allows you to assign this contact to a group.
 - **Notes:** allows you to add notes for the contact.
3. To save the information entered, press **Options → Save**. The **View** screen appears in the display.
4. Press the **Options** soft key to display the following options:
 - **Edit:** allows you to edit the number assigned to this contact.

- **Send Message:** allows you to send a message to the selected contact entry as a Text message or a Multimedia message.
- **Call:** dials the selected contact number.
- **Copy to Phone/SIM Card/SIM Card (FDN):** allows you to copy the contact to the phone memory, your SIM card, or your SIM card FDN contacts, depending on where the contact is originally saved.
- **Send Business Card via:** allows you to send a message to the selected entry that contains the information from an Address Book Business Card entry which you have on file. This can be sent as either a message or by way of Bluetooth.
- **Assign Speed Dial:** allows you to set the speed dial key for this entry.
- **Delete:** allows you to delete the selected contact.

5. Press the  key to return to the Idle screen,

Copying a Number to the SIM Card

Note: When adding or copying a Contact to the SIM card, only the name, phone number, and slot location are saved on the SIM card. To save additional information for a particular Contact, such as other phone numbers or an email address, copy the contact to the phone and add new fields to that Contact information. It is also important to note that, if you move the SIM card to another phone, only the Name, Number, and Location fields will be available.

1. In Idle mode, press **Menu → Address Book → Contact List**.

2. Scroll to the contact that you would like to store on your SIM card by pressing the **Up** or **Down** navigation key
3. Press **Options → Copy to SIM Card**.
4. Select one of the following options and press the **Select** soft key or the  key.

- **Selected:** Only copy the highlighted number to the SIM card.
- **All:** Copy all numbers to your SIM card.

The **Create Contact** menu displays with the selected contact. A SIM location number appears in the **Location** field.

5. Press the **Save** soft key.
6. The **Copy Completed** confirmation displays.
7. Press the  key to return to Idle mode.

Dialing a Number from the SIM Card

1. In Idle mode, enter the SIM location number assigned to the phone number you want to dial and press the  key. The contact entry information is displayed.
2. Press the **Left** or **Right** navigation key to find other numbers on the list.

3. Press either the **Dial** soft key or the  key to initiate the call.

Speed Dial List

Once you have stored phone numbers from your Address book list, you can set a maximum of 8-speed dial entries and then dial them easily whenever you want, simply by pressing and holding the associated numeric key.

Setting Up Speed Dial Entries

1. In Idle mode, press **Menu** → **Address Book** → **Contact List**.
2. Highlight an available entry and press the  key.
3. Press **Options** → **Assign Speed Dial**.
4. Highlight the key (2 through 9) to which you want to assign the speed-dialing number and press the **Select** soft key or the  key.

Note: Memory location 1 is reserved for your Voicemail server number.

Changing a Number Assigned to a Key

1. In Idle mode, press **Menu** → **Address Book** → **Speed Dial List**.

2. To edit an assigned speed dial number, highlight the entry you want to change and press the **Options** soft key. The following options are available:
 - **View:** allows you to view the contact entry information.
 - **Change:** allows you to change the Contact or the FDN Contact speed dial location.
 - **Remove:** allows you to remove the selected speed dial entry.
3. Enter the change and press the  key.
4. When you are finished, press the  key to return to Idle mode.

Deleting Speed Dial Entries

1. In Idle mode, press **Menu** → **Address Book** → **Speed Dial List**.
2. Highlight the entry you want to delete.
3. Press **Options** → **Remove**.

A “**Remove?**” prompt displays. Press **Yes** to continue or **No** to cancel.
4. When you are finished, press the  key to return to Idle mode.

Reject List

The Reject List option shows numbers that you have set to be rejected during an incoming call. Rejected callers are sent directly to Voicemail.

Adding New Entries to the Reject List

To add one or more new entries to the Reject List, use the **Add New** option.

1. In Idle mode, press **Menu → Address Book → Reject List**.
2. Press **Options → Add New** and select one of the following options:
 - **Number**: enter the number to reject and press the **Save** soft key or the  key.
 - **Contacts**: highlight a contact and press the  key to place a checkmark next to the contact. When you have selected the contacts you want, press the **Add** soft key.
 - **Groups**: highlight a group of numbers to reject and press the **Select** soft key or the  key.
 - **FDN Contacts**: highlight an FDN contact and press the  key to place a checkmark next to the contact. When you have selected the contacts you want, press the **Select** soft key.
 - **Recent Contacts**: highlight a recent contact and press the  key to place a checkmark next to the contact. When you have selected the contacts you want, press the **Select** soft key.

- **Unknown numbers**: highlight Unknown numbers and press the **Select** soft key to reject all numbers that are not defined in your address book.

Editing Reject List Entries

Once a Reject List entry has been made, use the Edit option to change it.

1. In Idle mode, press **Menu → Address Book → Reject List**.
2. Highlight the entry you want to edit.
3. Press **Options → Edit**.
4. Use the keypad to edit the number and press the **Save** soft key or the  key to store the changed number.

Adding a Number from the Recent Calls List

1. In Idle mode, press the  key to view your recent calls.
2. Press the **Up** or **Down** navigation keys to highlight your selection.
3. Press **Options → Add to Reject List**.

A confirmation screen displays **Added**.

Service Numbers (SIM-dependent)

The Service Numbers option allows you to display service numbers assigned to your phone.

- ▶ In Idle mode, press **Menu → Address Book → Service Numbers**.

FDN Contacts

FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers. You must enter your PIN2. You can obtain your PIN2 from your service provider.

1. In Idle mode, press **Menu → Address Book → FDN Contacts**.

The **FDN Contacts** screen displays.

2. If there are no FDN numbers assigned, press the **Add** soft key.
3. Select the FDN Contact to call and press the  key.
— or —

Press the **Options** soft key to add additional contacts, view and change a contact, or delete a contact from the FDN List.

Address Book Settings

Use the Address Book Settings option to adjust various settings and access the following options:

1. In Idle mode, press **Menu → Address Book → Address Book Settings**.
2. Choose from the following options:
 - **My Business Card**: allows you to add your information to attach when sending messages.
 - **Save New Contacts to**: allows you to save contacts to the Phone, SIM Card, or Ask on Saving.
 - **View Contacts from**: allows you to view All contacts or only contacts stored the Phone or SIM Card.
 - **Sort Contacts by**: allows you to sort the contact list by First Name or Last Name.
 - **Own Number**: allows you to view the number assigned to the phone, and any other numbers you choose to enter in the Empty fields.
 - **Copy All to**: allows you to copy all contacts from the SIM card to the phone or from the phone to the SIM card.
 - **Delete All**: allows you to delete All contacts or all Phone, SIM Card, or SIM Card (FDN) contacts.
 - **Used Space**: allows you to view the space used and allocated for the Phone, SIM Card, and FDN contact lists.

SIM Management

You can copy your phone contacts to your SIM, copy your SIM contacts to your phone, and delete contacts from your SIM.

Note: When adding or copying a Contact to the SIM card, only the name, phone number, and slot location are saved on the SIM card. To save additional information for a particular Contact, such as other phone numbers or an email address, copy the contact to the phone and add new fields to that Contact information. It is also important to note that, if you move the SIM card to another phone, only the Name, Number, and Location fields will be available.

Copying an Entry to the SIM Card

1. In Idle mode, press **Menu → Address Book → SIM Management → Copy Contacts to SIM**.
The Contact List that is stored in the phone displays.
2. Highlight an entry to copy to the SIM, then press the  key to place a check mark in the box to the left of the Contact name. Repeat this step for all entries to be copied to the SIM.
— or —
Check the **All** box to copy all entries.
3. After checking the entries to copy, press the **Copy** soft key. The **Copy Successful** screen displays.

4. Press the **OK** soft key to confirm the copy to SIM card.
5. Press the  key to return to the Idle screen.

Copy an entry to the Phone

You can copy a SIM entry to the Phone by using the Duplicate option. When you copy entries to the phone, duplicate entries are created.

1. In Idle mode, press **Menu → Address Book → SIM Management → Copy Contacts from SIM**.
The Contact List that is stored on the SIM card displays.
2. Highlight an entry to copy to the Phone, then press the  key to place a check mark in the box to the left of the Contact name. Repeat this step for all entries to be copied to the Phone.
— or —
Check the **All** box to copy all entries.
3. After checking the entries to copy, press the **Copy** soft key. The **Copy Successful** screen displays.
4. Press the **OK** soft key to confirm the copy to Phone.
5. Press the  key to return to the Idle screen.

Deleting SIM Card Entries

You can delete selected SIM Card entries or you can delete All the entries stored on the SIM Card.

1. In Idle mode, press **Menu → Address Book → SIM Management → Delete Contacts from SIM.**

The Contact List that is stored on the SIM card displays.

2. Highlight an entry to delete from the SIM card, then press the  key to place a check mark in the box to the left of the Contact name. Repeat this step for all entries to be deleted from the SIM card.

— or —

Check the **All** box to delete all entries.

3. After checking the entries to delete, press the **Delete** soft key. The **Delete Confirmation** screen displays.
4. Press the **Yes** soft key to confirm your selections or press the **No** soft key to cancel. If you press **Yes**, The **Deletion Successful** screen displays.
5. Press the **OK** to return to the SIM Management screen.
6. Press the  key to return to the Idle screen.

Section 8: Changing Your Settings

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

Quick Tips

Quick Tips connects you to the AT&T Quick Tips web page where you can find information on the operation of your phone.

- In Idle mode, select **Menu → Settings → Quick Tips**.

The AT&T Quick Tips web page displays.

Sound Profile

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

Note: Press the **Up** or **Down** navigation key to highlight an option. Press the  key to make changes. Press the **Save** key to save the changes.

Note: Scroll **Right** and **Left** to access the following sound settings options: Call, Message, and Phone.

1. In Idle mode, press **Menu → Settings → Sound Profile**.
The following options are available.
 - **Normal**
 - **Silent**
 - **Driving**
 - **Outdoor**
2. To view the current settings for the highlighted profile, press the  key.
3. To change the settings for the highlighted profile, press the  key.

Normal Profile

To access the available options for this sound profile, press the **Edit** () key.

- To move between the various tabs, use the **Left** and **Right** Navigation keys.
- To highlight individual options, use the **Up** and **Down** Navigation keys.
- To change the setting for a highlighted option, press **Change** ()
- To save your changes, press the **Save** soft key.

Sound Settings

This list describes the sound settings for the following categories (tabs):

- **Call:**

- **Call Alert Type:** allows you to select the way in which the selected ringtone is played when a call comes in on the phone.
 - **Melody:** the phone sounds the selected melody.
 - **Vibration:** the phone vibrates.
 - **Vibration then Melody:** the phone vibrates initially, but then plays the melody.
 - **Vibration & Melody:** the phone plays the melody and vibrates.
- **Call Ringtone:** allows you to select a ringtone from Default Tones, Recorded Audio, Downloaded Tones, or Music.
- **Ringtone Volume:** allows you to select the volume that the ringtone is played. The range is from 1-7.

- **Message:**

- **Message Alert Type:** allows you to select the way in which the selected alert is played when a new text or multimedia message is received.
 - **Melody:** the phone sounds the selected melody.
 - **Vibration:** the phone vibrates.
 - **Vibration & Melody:** the phone vibrates and plays the melody.
 - **Mute:** the phone neither vibrates nor plays a ringtone. The only indication of a message is an alert on the display.

- **Message Alert Tone:** allows you select the tone played on receipt of a message.
- **Message Alert Repetition:** allows you choose how the tone is repeated: Once, Every 1 Min, Every 2 Min.

- **Phone:**

- **Keypad Tone:** allows you to choose between **Beep**, **Lucid**, and **Mute** for keystrokes on the phone.
- **Power On/Off Type:** allows you to select whether an alert is played when the phone is powered on or off.
- **Volume:** allows you to set the Phone sound volume (range is Mute through 7). This setting does not appear if Keypad Tone is set to Mute.

Other Available Profiles

The phone can be set to additional audio profiles which are available through the Sound Profiles menu. Although each profile has similarities, they have each been preset to use different audio parameters for incoming phone call alerts, message alerts, and phone usage. (For more information, refer to “*Icons*” on page 13.).

To access the available options for these sound profiles, highlight the profile and press the **Edit** key.

- To move between the various tabs, use the **Left** and **Right** Navigation keys.
- To highlight individual options, use the **Up** and **Down** Navigation keys.

- To change the setting for a highlighted option, press the **Change** () key.
- To save your changes, press the **Save** soft key.



The **Silent** profile causes the speaker to be muted and the phone only vibrates and displays information on its LCD.

Note: The Silent profile can also be activated by pressing and holding the  key or by reducing the volume to 0. An on-screen message notifies you that the **Silent profile is on**. To deactivate this profile, press and hold the  key again.



The **Driving** profile keeps the speaker active. In this case, the speaker is active and launches the currently selected ringtone or melody when the associated notification is activated.



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 phone's vibrate feature is activated.

Display

In this menu, you can change various settings for the display or backlight.

1. In Idle mode, press **Menu** → **Settings** → **Display**.
2. Press the  key to access the following menus.

Wallpaper

This option allows you to select your wallpaper from preloaded wallpapers or from your downloaded graphics.

Press the **Select** soft key or the  key to choose from the following:

- **Shop Wallpapers:** allows you to access the internet to shop for new wallpapers.
- **Downloaded Graphics:** allows you to select from the downloaded graphics.
- **My Photos:** allows you to select from the My Photos folder.
- **Default Wallpapers:** allows you to select from the default wallpapers. Use the **Left** or **Right** navigation keys to view all of the wallpaper.

My Theme

Allows you to pick a background for all display screens except the Idle screen. Use the **Up** and **Down** navigation keys to highlight **Default Theme 1** or **Default Theme 2**. Press the **Save** soft key or the  key to save your setting.

Shortcuts Toolbar

Allows you to activate or deactivate the Shortcuts Toolbar that displays in Idle mode. Use the **Up** and **Down** navigation keys to highlight **On** or **Off**. Press the **Save** soft key to save your setting.

Press the **Edit** soft key () while **On** is highlighted to modify the Shortcuts Toolbar. Use the Navigation keys to highlight an entry and then use the following **Options**:

- **Save**: allows you to save your updates.
- **Change**: allows you replace an empty or existing shortcut by choosing from a list of Shortcuts.
- **Move**: allows you to move the highlighted shortcut.
- **Remove**: allows you to remove the highlighted shortcut.

Press the **Cancel** soft key to exit without applying any updates.

Menu Style

Use this menu to choose how the main menu is displayed. Use the **Up** and **Down** navigation keys to highlight **Grid Menu** or **List Menu**. Press the **Save** soft key or the  key to save your setting.

Light Settings

Note: Adjusting Light Settings may affect the battery life.

Brightness

Allows you to adjust the brightness of the display for your screen. Use the **Left** or **Right** navigation keys to increase or decrease the brightness. Press the **Save** soft key to save your setting.

Backlight Time

Allows you to set the time for the backlight to be displayed before it turns off or dims.

- **Main Display On**: Choose from 10 Seconds, 30 Seconds, 1 minute, 3 minutes, or 10 minutes.
- **Main Display Dim**: Choose from Off, 5 Seconds, 30 Seconds, 1 minute, or 3 minutes.

Dialing Display

Allows you to choose the Font Size, Font Color, and Background Color that is used for your dialing display.

Highlight the selection and press the **Select** soft key or the  key.

Greeting Message

This menu allows you to set a greeting to be displayed briefly when the phone is switched on.

For details about entering characters, see *“Using Alphabet Mode”* on page 30.

Time & Date

This menu allows you to change the current time and date displayed. You can also find out what time it is in another part of the world.

Note: Before setting the time, you must specify your time zone in the World time menu. For more information, refer to *“World Clock”* on page 80.

1. In Idle mode, press **Menu → Settings → Time & Date**.

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

- **Time Zone Updating:** allows you to elect to set the time zone manually or to have it set automatically.
- **Time Zone:** allows you to set the time zone by pressing the **Change** soft key (). Use the **Left** or **Right** Navigation keys to change the time zones. Check the box to **Set Daylight Saving Time**. Press the **OK** soft key.
- **Time:** allows you to enter the current time using your keypad.
- **AM/PM:** Use the **Left** or **Right** navigation key to select **AM** or **PM**.

- **Date:** allows you to enter the current date using your keypad.
- **Time Format:** allows you to change the time format. Use the **Left** or **Right** navigation key to select 12 hours or 24 hours.
- **Date Format:** allows you to set the date format. Use the **Left** or **Right** navigation key to select MM/DD/YYYY, DD/MM/YYYY, or YYYY/MM/DD.

2. Press the **Save** soft key to save your settings.

Note: Automatic updates of time and date do not change the time you have set for alarm settings.

Phone

To customize the settings of your phone use the following steps:

1. In Idle mode, press **Menu → Settings → Phone**.
2. Use the **Up** or **Down** navigation key to scroll to and set the following options:

Language

You can select a display language. When the language option is set to **Automatic**, the language is automatically selected based on the language of the SIM card used.

Depending on your country, service provider, or the software version of the phone, the Automatic option may not display.

Press the **Save** soft key or the  key to save your selection.

Shortcuts

The Shortcuts option allows you to change the applications assigned to your Navigation keys.

1. In Idle mode, press **Menu → Settings → Phone → Shortcuts**.
2. Highlight a Navigation key and press the **Options** soft key.
3. Highlight **Change** and press the **Select** soft key or the  key. Select a new application to assign to the previously pressed key.
4. Press the **Save** soft key or the  key to assign the new application.

Auto Key Lock

You can set your phone to automatically lock the keypad after it has been idle for a while. The time it takes to lock depends on your Backlight Time setting. For more information, refer to “*Backlight Time*” on page 51.

1. Highlight **On** or **Off** and press the **Save** soft key or the  key to assign the new setting.
2. To unlock your phone, press the **Unlock** soft key and then press the **OK** soft key.

Own Number

This menu option displays the number assigned to your phone and any other numbers you want to list in the remaining Empty menu options.

Security

The Security feature enables you to restrict the use of your phone by others and to restrict the types of calls.

Various codes and passwords are used to protect the features of your phone.

1. In Idle mode, press **Menu → Settings → Phone → Security**.
2. Use the **Up** or **Down** navigation key to scroll to and set the following options:

Lock Phone

When the Phone lock feature is enabled, the phone is locked and you must enter the 4- to 8-digit phone password each time the phone is switched on. The first time you access this feature, you are prompted to enter a new password. Remember this password because you are required to enter it the next time you access this feature.

1. Highlight **On** or **Off** and press the **Select** soft key or the  key to assign the new setting.

2. Enter your 4- to 8-digit phone password and press the **OK** soft key or the  key.

Lock SIM Card

When the **SIM Lock** feature is enabled, your phone only works with the current SIM. You must enter the SIM lock code to unlock the SIM so you can use a different SIM card. The first time you access this feature, you are prompted to enter a new password. Remember this password because you are required to enter it the next time you access this feature.

1. Highlight **On** or **Off** and press the **Select** soft key or the  key to assign the new setting.
2. Enter your 4- to 8-digit phone password and press the **OK** soft key or the  key.

Check PIN Code

When the PIN Check feature is enabled (On), you must enter your PIN each time you switch on the phone. If this feature is disabled (Off), the phone connects directly to the network when you switch it on.

Note: Before disabling the PIN Check feature, you must enter your PIN.

1. Highlight **On** or **Off** and press the **Select** soft key or the  key to assign the new setting.

2. Enter your PIN code and press the **OK** soft key or the  key.

Note: Your PIN is provided by your service provider.

Lock Applications

Using this menu, you can lock the following categories:

- All
- Messaging
- Recent Calls
- Audio
- Pictures
- Address Book

To unlock an application, follow these steps:

1. Select the applications you want to lock by using the Navigation keys to highlight the application and press the  key to lock your contents.
2. Press the **Save** soft key. Enter your Password and press the **OK** soft key.
3. To access these locked applications, you must first enter the phone's password to access the associated menus.

Set FDN Mode

FDN (Fixed Dialing Number) mode, if supported by your SIM card, restricts your outgoing calls to a limited set of phone numbers that are stored in the SIM FDN list. When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

1. Highlight **On** or **Off** and press the **Select** soft key or the  key to assign the new setting.
2. Enter your PIN2 password and press the **OK** soft key or the  key.

Note: Your PIN2 is provided by your service provider.

Change Phone Password

The Change Phone Password feature allows you to change your current phone 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

This feature allows you to change your current PIN code, provided that the PIN Check feature is enabled (see “*Check PIN*

Code” on page 54). You must enter the current PIN before you can specify a new one.

Once you have entered a new PIN, you are asked to confirm it by entering it again.

Change PIN2 Code

The Change PIN2 Code feature allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one. Once you have entered a new PIN2, you are asked to confirm it by entering it again.

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu item does not display.

Reset Phone

The Reset Phone option allows you reset your phone to its default settings.

1. In Idle mode, press **Menu** → **Settings** → **Phone** → **Reset Phone**.

You receive the prompt, “**All settings reset to factory defaults. Continue?**”.

2. Press the **OK** soft key to reset your phone or press the **Back** soft key to cancel.

Note: User data, such as contacts, messages, pictures, and music, is not deleted.

Restore Phone

The Restore Phone option allows you to reset your phone to its default settings and delete all user data.

1. In Idle mode, press **Menu → Settings → Phone → Restore Phone**.

You receive the prompt, “**All settings reset to factory defaults and all user data will be deleted. Continue?**”.

2. Press the **OK** soft key to restore your phone or press the **Back** soft key to cancel.

Warning!: All user data, such as contacts, messages, pictures, and music, will be deleted. Ensure that you remove your microSD card if applicable because it will be erased with the Restore Phone option.

Airplane Mode

Use this option to turn **On** or **Off** the Airplane mode. This mode allows you to use many of your phone’s features, such as Games, Audio, and so on, but you cannot send or receive any calls or access online information. The Airplane mode icon displays on screen.

- Highlight **On** or **Off** and press the **Save** soft key or the  key to assign the new setting.

Network Selection (SIM Dependent)

The Network Selection feature enables you to automatically or manually select the network used when roaming outside of your home area.

Note: You can select a network other than your home network only if there is a valid roaming agreement between the two.

To set your Network Selection mode follow these steps:

1. In Idle mode, press **Menu → Settings → Phone → Network Selection**.
2. Press the **Up** or **Down** key until the appropriate option highlights, then press the **Select** soft key or the  key. If you select **Automatic**, you are connected to the first available network when roaming.

If you select **Manual**, go to step 3.
3. Press the **Up** or **Down** key until the network you want highlights and then press the **Select** soft key or the  key. The phone scans for that network and you are connected.

Calls

This menu allows you to change the actions taken by the phone when dialing and receiving calls.

1. In Idle mode, press **Menu** → **Settings** → **Calls**.
2. Use the **Up** or **Down** navigation key to scroll to and select **General** or **Voice Call**.
3. Press the **Select** soft key or the  key.

General

This menu shows the following options:

Show My Number

This option enables whether the person you are calling sees your number on their Caller ID.

This option displays the following options:

- Set by Network
 - Show Number
 - Hide Number
- Highlight an option and press the **Save** soft key or the  key to assign the new setting.

Call Answer

This option allows you to choose how your phone answers a call.

- Highlight **Send Key** or **Any Key** and press the **Save** soft key or the  key to make your selection.

Call Status Tones

This menu sets the status tones for your phone. Choose from the following options:

- Minute Minder
 - Call Connect Tone
1. Highlight and check one or both options by pressing the  key.
 2. Press the **Save** soft key to save your selection.

Alerts on Call

This menu allows you to activate an alert tone for new messages being received during an active call.

- Highlight **On** or **Off** and press the **Save** soft key or the  key to assign the new setting.

Voice Call

This option allows you to configure voice call phone parameters.

Call Forwarding

Example: You may want to forward your business calls to a colleague while you are on vacation.

To set your call forwarding options:

1. In Idle mode, press **Menu → Settings → Calls → Voice Call → Call Forwarding**.
2. Select one of the following options:
 - **Forward Always:** allows you to always forward **Voice Calls** and **Data Call**.
 - **Busy:** allows you to forward **Voice Calls** and **Data Call** to the designated number instead of your voicemail number, if you are on another phone call.
 - **No Reply:** allows you to forward **Voice Calls** and **Data Call** to the designated number instead of your voicemail number when there is no answer on your phone. You can choose the time setting from 5, 10, 15, 20, 25, or 30 seconds.
 - **Unreachable:** calls are forwarded when you are not in an area covered by your service provider or when your phone is switched off.
 - **Cancel All:** all call forwarding options are canceled.

3. Select the call type, **Voice Calls** or **Data Call**, by pressing the **Up** or **Down** key, and then press the **Select** soft key or the  key.
4. Use the **Left** or **Right** navigation keys to select **Activate** or **Deactivate** and press the **Select** soft key or the  key.
5. Scroll to **Forward to** and enter or change the number to be called.

To enter an international code, press and hold the **0** key until the **+** sign displays.
6. Press the **Select** soft key to save changes.

Call Barring (SIM Dependent)

The Call Barring network service allows you to restrict your calls. This option is SIM dependent and requires a subscription. For more information, contact your service provider.

Call Waiting

This network service informs you when someone is trying to reach you during another call.

You can specify individual call waiting options for voice calls or data calls.

To set your call waiting options:

1. In Idle mode, press **Menu → Settings → Calls → Voice Call → Call Waiting**.
2. Select the call type, **Voice Calls** or **Data Call**, to which the call waiting option is to be applied by pressing the **Up** or **Down** navigation key and then pressing the **Select** soft key or the  key.

The screen informs you whether call waiting is activated or deactivated.

— or —

Select **Cancel All** to cancel all call waiting features.

3. Press the **Up** or **Down** navigation key to select **Activate** or **Deactivate** then press the **Select** soft key or the  key.

Auto Redial

When this option is activated, the phone makes up to ten attempts to redial a phone number after an unsuccessful call.

1. In Idle mode, press **Menu → Settings → Calls → Voice Call → Auto Redial**.
2. Press the **Up** or **Down** Navigation key to highlight **On** or **Off** and press the  key to assign the new setting.

Bluetooth

Bluetooth is a short-range wireless communications technology. The Bluetooth wireless technology settings menu provides the ability to view and change the device name, show the visibility, and set the security for the device.

Activation

The Activation option allows you to use the Bluetooth features available when Bluetooth is activated.

1. In Idle mode, press **Menu → Settings → Bluetooth**.
2. If the first item in the Bluetooth menu is **Bluetooth : Off**, then highlight it and press the **Select** soft key or the  key.

The **Bluetooth Activated** confirmation prompt displays on your phone.

3. If the first item in the Bluetooth menu is **Bluetooth : On**, then Bluetooth is already activated.

Discoverable

The Discoverable option allows your phone to wirelessly transmit its phone name and status to every device within its range. This transmission can pose a security risk and incite unauthorized

connection to your phone. It is recommended that you remain hidden unless necessary.

1. In Idle mode, press **Menu → Settings → Bluetooth**.
2. If the second item in the Bluetooth menu is **Discoverable : Off**, then highlight it and press the **Select** soft key or the  key.

If Bluetooth is deactivated, you must activate Bluetooth.

The **Visibility enabled** confirmation prompt displays on your phone.

3. If the second item in the Bluetooth menu is **Discoverable : On**, then Visibility is already activated.

My Devices

The Bluetooth *pairing* process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

The My Devices option provides a list of Bluetooth wireless technology devices discovered by your handset. To search for new devices and pair with them:

1. In Idle mode, press **Menu → Settings → Bluetooth → My Devices**.
2. Highlight **Search for New Device** and press the **Select** soft key or the  key.
— or —
Highlight a device and press the **Select** soft key or the  key.
3. Enter the passkey (if applicable).

If connecting to a Bluetooth wireless device, consult your Bluetooth device user manual for your assigned PIN.

If connecting to another handset, enter the same user-defined PIN on both handsets.
4. Highlight the device and press **Options → Settings**, then highlight the **Connection Options** field. Use the **Left** or **Right** Navigation key to select **Automatic** (reconnects automatically) or **Always Ask** (asks before reconnecting) and press the **Save** soft key.

Note: The first time you try to pair with a handset, you and the owner of the other handset must enter the same Passkey. Once the handsets are paired, you do not need to use the Passkey again.

5. If you are unable to pair with the device a popup displays on the screen. Press the **Retry** soft key to retry.

My Bluetooth Info

The My Bluetooth Info feature allows your phone to identify itself using the name, the Device Address, and Hardware and Software Version, which is entered into the fields when your phone's Bluetooth visibility is turned On. The information is altered by selecting the pre-existing text and replacing it with a new string.

1. In Idle mode, press **Menu → Settings → Bluetooth → My Bluetooth Info**.
2. Press the  key to erase the previous Device Name.

Note: The default input entry method is Abc, where the initial character is Uppercase and each consecutive character in that same word is left as lowercase text.

3. Press the **Options** soft key and select **Save** to save your changes.

Search for New Device

This option allows you to search for new Bluetooth devices.

1. In Idle mode, press **Menu → Settings → Bluetooth → Search for New Device**.
2. The phone searches for available devices.
3. Highlight a device and press the **Select** soft key or the  key.
4. Enter the passkey.
5. Select a connection option and press the **Save** soft key.

Applications Settings

The Applications Settings feature allows you to configure the functional parameters for most of the onboard applications. These applications are described in more detail within other sections of this manual.

1. In Idle mode, press **Menu → Settings → Applications Settings**.
2. Use the **Up** or **Down** navigation key to scroll to and select one of the following:
 - **Messaging Settings** (see page 37)
 - **Browser Settings** (see page 62)

- **Record Audio Settings** (see page 76)
- **Calendar Settings** (see page 78)
- **Address Book Settings** (see page 45)

Browser Settings

You can set up various options for using Browser services.

1. In Idle mode, press **Menu → Settings → Applications Settings → Browser Settings**.
2. Choose from the following options:
 - **Clear Caches:** deletes the information stored in the cache. The cache stores the most recently accessed pages.
 - **Empty Cookies:** delete cookies. Cookies are pieces of personal information sent to a web server while navigating the web.
 - **Cookie Options:** sets whether to Accept All or Reject all cookies, which are stored on your phone.
 - **Preferences:** allows you to set whether to Display images in your web browser.
 - **Browser Profiles:** allows you to select your Current Profile and change settings for your other Profile Settings that you have created.
 - **About Browser:** displays the access version and copyright information about the browser.

Used Space

The Used Space menu options allow you to view the usage and available memory for Audio, Pictures, other files, and Music. To access the Used Space options, use the following steps:

1. In Idle mode, press the **Menu → Settings → Used Space**.
2. Use the **Up** or **Down** Navigation key to select one of the following views:
 - **Shared Memory:** allows you to view Multimedia Message, My Stuff, IM, and My Games & Apps usage.
 - **Messaging:** allows you to view Text Message, Inbox, Outbox, and Drafts usage.
 - **My Stuff:** allows you to view Audio, Pictures, Other Files, and Music usage.
 - **Calendar:** allows you to view Appointments, Anniversaries, Miscellaneous, and Tasks usage.
 - **Address Book:** allows you to view Phone, SIM, and FDN usage.
3. Scroll down to view the Used Space for various items.
4. Press the **Back** soft key to return to the **Settings** menu.

Section 9: My Stuff

The topics covered in this section are Applications, Audio, Games, Pictures, Tools, Other Files, Memory Card, and Used Space.

Applications

The **Applications** menu option allows you to access applications that are on the phone and also shop applications using AppCenter. You can download applications and then save them to the **Applications** folder.

1. Press **Menu → My Stuff → Applications**.
2. Use the **Up** or **Down** navigation key to scroll to and select the following applications or select **Shop Applications**:
 - **AppCenter**: allows you to access AT&T's AppCenter website.
 - **FunScreenz**: allows you to access AT&T's FunScreenz website. Extra charges may apply when accessing this website.
 - **Mobile Email**: lets you take your email with you! With Mobile Email you can check your Yahoo!® Mail, AOL® Mail, AIM Mail, Windows Live Hotmail, AT&T Mail, Gmail, and other providers quickly and easily. For more information, refer to *"Using Mobile Email"* on page 39.
 - **Star Tweets**: a subscription service that allows you to keep up-to-date and in touch with your favorite celebs on Twitter with Star Tweets.

- **Mobile Care**: allows you to access AT&T Mobile Care where you can get an account summary, add money to your account, check your current features and buy new features, review your current plan details, and browse other rate plans.
- **My-Cast Weather**: a user-friendly application that runs on your mobile phone giving you access to all the weather information you need. You can check current and predicted National Weather Service data for your immediate location, your travel destination, or virtually anywhere else in the continental U.S.

Select an application and follow the on-screen instructions

Audio

The **Audio** menu option allows you to shop tones and answer tones and download and store files using the WAP browser. You can also access music and audio clips you have recorded.

Tones

You can shop, download, and save to your Downloaded Ringtones folder. To access the **Audio** menu option, use the following steps:

1. In Idle mode, press **Menu → My Stuff → Audio → Tones**. A menu displays giving you the option to Shop Tones, view Downloaded Tones, or view Default Tones.

2. Highlight the **Shop Tones** menu option to launch the WAP browser and select a file to download. Follow the on-screen options. These files are downloaded and stored in the **Downloaded Tones** folder.
3. From the **Audio → Tones** menu, select **Downloaded Tones** and press **Select** soft key or the  key.
4. Highlight an available entry and press the **Options** soft key. The following options display:
 - **Play**: allows you to listen to the tone.
 - **Send via**: allows you to send the tone as an attachment to a multimedia message or to a Bluetooth device.
 - **Set as**: allows you to set the tone as a Ringtone, Caller Ringtone, or Alarm Tone.
 - **Delete**: allows you to delete either the Selected file or Multiple tones.
 - **Rename**: allows you to rename the tone.
 - **Lock/Unlock**: allows you to lock the tone to prevent deletion.
 - **Properties**: allows you to view the Name, Date (of download), Format, Bitrate, Length, Size, and Lock/Unlock status of the downloaded tone.
5. From the **Audio → Tones** menu, select **Default Tones** and press the  key.

6. Highlight an available entry and press the **Options** soft key. The following options display:
 - **Play**: Allows you to play the selected tone.
 - **Set as**: Allows you to set the selected tone to one of the following categories:
 - **Ringtone**: Allows you set the selected song as the ringtone.
 - **Caller Ringtone**: Allows you to set the selected ringtone to someone in your Contacts List.
 - **Alarm Tone**: allows you to assign the selected tone to an alarm.
 - **Properties**: allows you to view the Name, Date, Format, Bitrate, Length, Size, and Lock/Unlock status of the default tone.
7. Once you have chosen from one of the above options, press the **Select** soft key or the  key.

Answer Tones

Give your callers something to listen to with Answer Tones™. Instead of the traditional ringing sound a caller hears when waiting for you to answer, entertain your friends with their favorite song, the latest hits, a college fight song, celebrity snippet or silly sound effects!

You can shop Answer Tones, manage your Answer Tones, and access Help files. To access the **Answer Tones** menu option, use the following steps:

- In Idle mode, **Menu → My Stuff → Audio → Answer Tones.**

The following options display:

- **Shop Answer Tones:** Launches the WAP browser. Choose and set an answer tone and follow the on-screen options.
- **Manage Answer Tones:** Launches the WAP browser. You can assign Answer Tones to Callers and Groups, turn your greeting on or off, and shop for more Answer Tones.
- **About Answer Tones:** Launches the WAP browser. You can navigate through the frequently asked questions regarding Answer Tones.

Music

This menu allows you to view your downloaded music files, which are stored in the My Music folder.

- In Idle mode, press the **Menu → My Stuff → Audio → Music.**

Your downloaded music files are displayed.

Recorded Audio

You can view and listen to your recorded audio. To access the **Recorded Audio** menu option, use the following steps:

1. In Idle mode, press **Menu → My Stuff → Audio → Recorded Audio.**

Your recorded audio files are displayed.

2. Highlight a recorded audio and press the **Options** soft key for the following options:

- **Play:** allows you to listen to the recorded audio.
- **Send via:** allows you to send the audio as an attachment as a multimedia message or to a Bluetooth device.
- **Set as:** allows you to set the recorded audio as a Ringtone, Caller Ringtone, or Alarm Tone.
- **Delete:** deletes either the Selected file or Multiple recorded audio files.
- **Rename:** allows you to rename the recorded audio.
- **Move to Memory Card:** allows you to move one or more audio files to the memory card.
- **Copy to Memory Card:** allows you to copy one or more audio files to the memory card.
- **Bluetooth visibility:** allows you to make the Selected file or Multiple recorded audio files visible to other Bluetooth devices.

- **Lock/Unlock:** allows you to lock or unlock the audio file to prevent deletion.
- **Properties:** allows you to view the Name, Date (of recording), Format, Length, Size, and Lock/Unlock status of the recorded audio.

3. To play an audio file, highlight the recorded audio and press the  key.

— or —

Press **Options** → **Play** soft key.

4. You may pause the recording at any time by pressing the  (Pause) key (  ).

Press the  (Play) key (  ) to resume play.

For more information, refer to “*Record Audio*” on page 75.

Games

The Games menu option allows you to **Shop Games** using the WAP browser. You can download new games and save them to your phone and access your phone’s preinstalled games.

Shop Games

To launch the WAP browser and select a game to download:

1. In Idle mode, press **Menu** → **My Stuff** → **Games** → **Shop Games**.

2. Follow the on-screen options. Downloaded files are stored in the **Games** folder.

Note: Service charges and subscription purchase may be required.

3. To access a pre-installed game, select a game and press the  key.

4. Select one of the following game options and follow the onscreen instructions.

- **Brain Challenge 3: Think Again!**
- **PAC-MAN Championship Edition**
- **Tetris**
- **World Series of Poker HL**

Pictures

The Picture menu option allows you to shop graphics using the WAP browser. You can download new images and graphics and save them to your Downloaded Graphics folder. You can also view your photos and set the wallpaper on your phone display.

To access the Pictures menu option, use the following steps:

1. In Idle mode, press **Menu → My Stuff → Pictures**.

The following options display:

- **Shop Wallpapers:** allows you to launch the WAP browser. Select a file to download and follow the on-screen options. These files are downloaded and stored in the Downloaded Graphics folder.
 - **Downloaded Graphics:** allows you to access a list of images you have downloaded on your phone.
 - **My Photos:** allows you to access a list of images you have taken with your phone camera.
 - **Default Wallpapers:** allows you to access the wallpaper images that are available on your phone.
2. Highlight an image from the **Downloaded Graphics** list or the **My Photos** list and press the **Options** soft key to access the following options:
 - **View:** allows you view the currently selected image.
 - **Display Mode:** allows you to view the selected graphic in line view or as thumbnails.

- **Send:** allows you to send the graphic in a multimedia message, to AT&T's Online Locker service, or to an external device via Bluetooth.
 - **Set as:** allows you to assign the current image file as Wallpaper or as Caller ID.
 - **Delete:** deletes either the Selected file or Multiple image files.
 - **Rename:** allows you to rename the image.
 - **Move to Memory Card:** allows you to move the selected image to the memory card.
 - **Copy to Memory Card:** allows you to copy the selected image to the memory card.
 - **Slide Show:** allows you to view the Downloaded Graphics or My Photos folder images as a slide show.
 - **Bluetooth visibility:** allows you to make the selected image or multiple images visible to Bluetooth devices. This option only appears on photographs taken with your camera.
 - **Lock/Unlock:** allows you to lock the image to prevent deletion.
 - **Properties:** shows the Name, Date, Format, Resolution, Size, Quality, and Lock/Unlock status.
3. From the **Picture** menu, highlight **Default Wallpapers** to select from the pre-loaded wallpaper on your phone.
 4. Use the Left and Right Navigation keys to view the images and press the **Save** soft key or the  key to set the wallpaper selection.

Tools

The Tools menu provides access to the following: Camera, Music Player, Record Audio, Alarms, Calendar, Recent Calls, Memo, Calculator, Tip Calculator, Converter (for currency, length, weight, volume, area and temperature), World Clock, Timer, and Stopwatch.

For more information, refer to “Tools” on page 70.

Other Files

This feature provides additional storage of other miscellaneous file types that may not fit into any of the previous categories.

To access the Other Files menu option, use the following steps:

- In Idle mode, press **Menu → My Stuff → Other Files**.

Memory Card

Memory Card allows you to access the contents on the Memory Card.

Use the following steps to access the Memory Card:

1. In Idle mode, press **Menu → My Stuff → Memory Card**.
2. Highlight a folder and press the **Options** soft key to access the following actions:
 - **Open**: allows you to open the selected folder.
 - **Create Folder**: allows you to create a new folder.

- **Sort by**: allows you sort files by Date, Type, Name, and Size.
 - **Properties**: allows you to view the Name, Size, Contains, Created Time, and Last Modified Time of the folder.
 - **Memory Card Settings**: allows you to view memory card details, to format the memory card, and to make all folders visible to Bluetooth devices.
3. Highlight a folder and press **Options → Open** to access the files in the selected folder.
 4. Highlight a file and press **Options** to access the following actions. The order of the Options varies depending on the type of file.
 - **Play / View**: allows you to play audio and music files or view pictures.
 - **Send via**: allows you to send the selected file in a multimedia message or to a Bluetooth device.
 - **Set as**: allows you to assign the current image file as wallpaper or as a caller ID or the current audio file as a ringtone, a caller ringtone, or an alarm tone.
 - **Move to**: allows you to move one or more files to the phone or to the memory card.
 - **Copy to**: allows you to copy one or more files to the phone or to the memory card.
 - **Delete**: allows you to delete the selected or multiple files.
 - **Rename**: allows you to rename the selected file.

- **Create Folder:** allows you to create a new folder within the current folder.
- **Bluetooth Visibility:** allows you to lock the file to prevent deletion.
- **Lock/Unlock:** allows you to lock the file to prevent deletion.
- **Properties:** allows you to view the Name, Date created, Format, Resolution, Size, Quality, and Lock/Unlock status of the file.

Used Space

The Used Space menu option allows you to view the usage and available memory for Audio, Pictures, other files, and Music. To access the Used Space option, use the following steps:

1. In Idle mode, press the **Menu → My Stuff → Used Space**.

2. Use the **Left** or **Right** Navigation key to select the memory type to view:
 - **My Stuff:** allows you to view Audio, Pictures, Other Files, and Music usage.
 - **Shared Memory:** allows you to view Multimedia Message, My Stuff, IM, and My Games & Apps usage.
3. Scroll down to view the Used Space for various items.
4. Press the **Back** soft key to return to the **My Stuff** menu.

For more information, refer to “*Used Space*” on page 62.

Section 10: Tools

The Tools menu provides access to the following: Camera, Music Player, Record Audio, Alarms, Calendar, Recent Calls, Memo, Calculator, Tip Calculator, Converter (for currency, length, weight, volume, area and temperature), World Clock, Timer, and Stopwatch.

Camera

You can take photographs by using the built-in camera functionality. Your 1.3 megapixel camera produces photos in JPEG format.

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

Taking Photos

To access the Camera and take a photo:

1. Press the Camera key on the right side of your phone.
— or —

In Idle mode, press **Go to → Camera**.

— or —

In Idle mode, press **Menu → My Stuff → Tools → Camera**.

2. If desired, before taking the photo, press the **Menu** soft key to access camera option icons. For more information, refer to “*Camera Options*” on page 71.

Press the **Photos** soft key to view the My Photos folder.

3. Adjust the image by aiming the camera at the subject, using the phone display as a viewfinder.
4. To take the photo, press the  key or the Camera key.

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

Note: Your camera produces photos in JPEG format. The number that appears in the lower-right of the screen indicates the current number of pictures that have been saved to the selected media and an approximate number of total pictures that can be taken at the current image size.

5. Once the photo has been taken, press the **Send** key () to attach the photo directly to a message.

6. Press the **Options** key to choose from the following:

- **Take Another:** returns you to camera mode to take another picture.
- **Send:** allows you to send your picture by attaching it to a message, sending it to AT&T's Online Locker, or sending it to a Bluetooth device.
- **Set as:** allows you to set your picture as wallpaper or to set it as the caller ID for a contact you choose from your Contact List.
- **Rename:** allows you to rename your picture.

7. Press the **Delete** soft key to delete the picture just taken.

To exit the Camera, press .

Camera Options

In Camera mode, before taking your photo, press the **Menu** soft key to display the icons across the top of your viewer for camera option settings. Use the **Left** and **Right** Navigation keys to scroll and select from the following options:



Single Shot: allows you to take a single photo and view it before returning to the shooting mode.



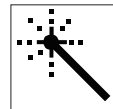
Photo size: allows you to set the image size of the resulting photo to: 1280 x 1024, 1024 x 768, 800 x 600, 640 x 480, 320 x 240, or 220 x 165.



Timer: allows you to set a time delay before the camera takes the photo to one of these options: Off, 3 Sec, 5 Sec, or 10 Sec.



White Balance: allows you to set the white balance for the camera. Choose **Auto**, **Daylight**, **Incandescent**, **Fluorescent**, or **Cloudy**.



Effects: allows you to choose a custom color tone for your photo. Choose from the following:

- **No Effects:** automatically adjust the picture for the best quality available.
- **Black & White:** remove all color and display the picture as greyscale/black and white.
- **Negative:** change the image to a negative image display.
- **Sepia:** add a sepia tint to the picture. This is the common orange tint that was popular in early photography.
- **Emboss:** add an embossed character to your picture.
- **Sketch:** convert your picture to a sketch.

Effects (cont.)

- **Antique:** add the appearance of an old picture to your image.
- **Moonlight:** add the appearance of moonlight to your image.
- **Fog:** add the appearance of fog to your image.



Shortcuts: allows you to view the currently specified shortcuts for Camera mode.



Settings: allows you to customize your camera settings.

General Settings:

- **Zoom Sound:** allows you to set the zoom sound, when taking a photo, **On** or **Off**.
- **Brightness Sound:** allows you to set the brightness sound, when taking a photo, **On** or **Off**.
- **Default storage:** allows you to set where your photos are stored, on the Phone or the Memory Card.

Camera Settings:

- **Shutter Sound:** allows you to select one of three shutter sounds to sound when taking a photo.
- **Viewfinder Mode:** allows you to choose to display No Icons, Icons, or Guidelines.
- **Scene Program:** allows you to choose setting for Normal or Night-time Landscape.
- **Metering Exposure:** allows you to choose from Normal, Center-weighted, or Spot.
- **Single Shot:** allows you to set the single shot method to Take and Review or Take and Return.

Music Player

The Music Player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MPEG, MP4, and M4A. Launching the Music Player allows you to navigate within your Music folders and select playback material.

1. In Idle mode, press **Menu → My Stuff → Tools → Music Player**.

— or —

Press the **Left** or **Right** Navigation key, highlight **Music Player** in the Shortcuts Toolbar, and press the  key.

If you have no playlists, your phone prompts you with “To get started please organize playlist”.

2. Press the **Next** soft key or the  key to access the music Playlists screen.

Using Playlists

Playlists are used to assign songs to a list of preferred media that can then be grouped into a list for later playback. These Playlists are created by the handset’s Music Player options.

1. In Idle mode, press **Menu → My Stuff → Tools → Music Player**.
2. Press the **Up** or **Down** Navigation key and highlight a Playlist.

3. Press **Options → Play** to play an existing Playlist.

— or —

Press **Options → Rename** to rename a Playlist. Use the keypad to delete and rename the Playlist. Press **Options → Save** to store the new Playlist name.

Creating a Playlist

1. In Idle mode, press **Menu → My Stuff → Tools → Music Player**.
2. Press the **Up** or **Down** Navigation key and highlight a Playlist.
3. Press the **Open** key () to open the Playlist.
4. Press **Options → Add Music From** and select either **Phone** or **Memory Card**.
5. Press the **Up** or **Down** Navigation key and press the  key to place a check to the left of the songs you want to add to the Playlist.
— or —
Select **All** to add all songs.

6. Press the **Add** soft key to add the selected songs to the Playlist. The Playlists screen displays the songs that you added.

Adding and Removing Songs

1. Press the **Up** or **Down** Navigation key and highlight a song.
2. Press the **Options** soft key to choose from the following:
 - **Add Music From:** allows you to add more songs to the selected Playlist from the Phone or the Memory Card.
 - **Move to:** allows you to move the selected song to another Playlist.
 - **Copy to:** allows you to copy the selected song to another Playlist.
 - **Remove:** allows you to remove the selected song or all songs from the selected Playlist.
 - **Set as:** allows you to set the selected song as a Ringtone, Caller Ringtone, or Alarm Tone.
 - **Properties:** allows you to view the Name, Date, Format, Bitrate, Length, Size, and Lock/Unlock status of the selected song.

Playing Music

1. In Idle mode, press **Menu → My Stuff → Tools → Music Player → Playlists**.
2. Press the **Up** or **Down** Navigation key and highlight a Playlist.

To play all songs in a Playlist:

- Press **Options → Play**.

To play a specific song:

1. Press the **Open** key ()
2. Highlight a song and press the **Play** key ()

Music Player Functions

Press the **Up** Navigation key from the Music Player to activate the following features:

-  • **Shuffle On:** the current list of songs are randomly shuffled for playback.
-  • **Repeat one:** repeats the currently playing song.
-  • **Repeat all:** replays the current list when the list ends.

The following functions are also available while playing a song with the Music Player.

-  • Touch quickly to play the previous song.
-  • Touch and hold to rewind the current song.
-  • Touch once to play the current song.



- Touch once to pause the current song.



- Touch quickly to advance to the next song.
- Touch and hold to fast forward through the current song.

► Press the **Options** soft key to choose from the following:

- **Play/Pause:** allows you to play a paused song or pause a playing song.
- **Set as:** allows you to set the selected song as a Ringtone, Caller Ringtone, or Alarm Tone.
- **Remove:** allows you to remove the selected song from the Playlist.
- **Properties:** allows you to view the Name, Date, Format, Bitrate, Length, Size, and Lock/Unlock status of the song that is playing.

Important!: When you are finished using the **Music Player** function, you must press the  key to stop the function to prevent the battery from losing its charge. **Pausing** the player continues to use the battery.

Downloading Music

AT&T's AppCenter can be used to shop for ringtones, Answer Tones™, and songs from some of your favorite music stores. For

more information, see “*Downloading Multimedia Files*” on page 85.

Record Audio

Record audio allows you to record voice memos. It also allows you to send your audio clip to other people as an attachment of an MMS message. Recording time varies based on the available memory within the phone.

Recording Audio

1. In Idle mode, press **Menu** → **My Stuff** → **Tools** → **Record Audio**.

The Record Audio screen displays.

2. Press the  (Record) key ().
- or –
- Press **Options** → **Record** and press the **Select** soft key or the  key.
3. You may pause the recording at any time by pressing the  (Pause) key (.
4. Press the **Save** soft key to stop recording and save the file.

After the recording is saved, you can play it back.

Playing Recorded Audio Files

1. Press **Options** → **Go To Recorded Audio**.

The Recorded Audio screen displays.

2. Press the **Up** or **Down** Navigation key, highlight a file, and press the  key.

— or —

Press **Options** → **Play**.

Recorded Audio Options

Other **Options** are also available for Recorded Audio files:

- **Send via:** allows you to send your audio file by attaching it to a message or sending it to a Bluetooth device.
- **Set as:** allows you to set the selected audio file as a Ringtone, Caller Ringtone, or Alarm Tone.
- **Delete:** allows you to delete the selected audio file or multiple files.
- **Rename:** allows you to rename the selected audio file.
- **Move to Memory Card:** allows you to move the selected audio file to your Memory Card.
- **Copy to Memory Card:** allows you to copy the selected audio file to your Memory Card.
- **Bluetooth Visibility:** allows you to set Bluetooth visibility for the current audio file or multiple files.

- **Lock/Unlock:** allows you to lock the audio file to prevent deletion.
- **Properties:** allows you to view the Name, Date, Format, Length, Size, and Lock/Unlock status of the selected audio file.

To exit, press the Back soft key or press .

Record Audio Settings

To view and change audio recording settings:

1. In Idle mode, press **Menu** → **My Stuff** → **Tools** → **Record Audio** → **Options** → **Settings**.
2. Use the **Up** or **Down** navigation key to scroll to and the **Left** or **Right** navigation key to scroll through the following:
 - **Recording Time:** allows you to set audio recording time to 1 Hour or Limit for Multimedia Messages.
 - **Default storage:** allows you to save audio recordings on the Phone or your Memory Card.
 - **Volume:** allows you to set the default volume (0 through 7) for your audio recordings. Use the volume key to adjust the volume during playback.
 - **Default Name:** allows you to use the on-screen keypad to enter a prefix name for all recorded audio files. Press **Options** → **Save** or the  key to store the new name.
3. Press the **Save** soft key or the  key to assign new settings.

For more information, refer to “Recorded Audio” on page 65.

Alarms

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

To set an alarm:

1. In Idle mode, press **Menu → My Stuff → Tools → Alarms**.

The following options display:

- **Wake-up Alarm:** the alarm rings to wake you up at the specified time.
 - **Alarm 1:** primary alarm setting.
 - **Alarm 2:** secondary alarm setting.
 - **Alarm 3:** third alarm setting.
 - **Alarm 4:** fourth alarm setting.
2. Press the **Options** soft key. The options available are:
Select, Create Alarm, and Delete.
 3. Use the **Up** and **Down** Navigation keys to highlight an alarm, and press the  key.
 4. Set the following options:
 - **Alarm Name:** use a specific name for the alarm. The name appears on the display when the alarm activates. The **Wake-up Alarm** cannot be changed.
 - **Alarm:** use this to activate or deactivate this alarm (On/Off). Select **On** to edit the remaining fields.

- **Alarm Time:** use the alphanumeric keypad enter a time for the alarm to sound.
- **AM/PM:** use the **Left** or **Right** Navigation key to select the appropriate setting. This field may not display.

To change the time format, see “*Time & Date*” on page 52.

- **Alert Type:** press the  key to select a new type of alert notification (Melody, Vibration, Vibration then Melody, Vibration & Melody)
 - **Alarm Tone:** press the  key, then use the **Left** or **Right** Navigation key to select a tone from the Basic Alarm list, Default Tones, Downloaded Tones, or your own Recorded Audio files stored in your My Stuff Audio folder.
 - **Alarm Volume:** press the **Left** and **Right** Navigation key to adjust the volume level (1-7).
 - **Alarm Day:** Press the  key to choose from the following options: Everyday, Once Only, Sunday - Saturday. Use the **Up** or **Down** Navigation key to highlight an occurrence of the day(s) you want your alarm to sound. Press the  key to select your option. Press the **OK** soft key to save your settings.
 - **Snooze:** use this option to set the snooze feature for the alarm (Off, 5 Min, 10 Min, 15 Min, 20 Min, or 30 Min).
 - **Repeat:** allows you to enter the number of times the Snooze feature turns on the alarm. Displays only if Snooze is set.
5. Press the **Save** soft key or the  key to save these changes.

Note: To stop the alarm when it rings, press any key.

Calendar

With this feature, you can use the Calendar, set appointments, and view events.

1. In Idle mode, press **Menu → My Stuff → Tools → Calendar**.
2. Press the **Options** soft key to access the following:
 - **View by:** allows you to set the calendar view by **Day** or **Week**.
 - **Create:** allows you to create an **Appointment**, **Anniversary**, **Miscellaneous**, or **Task**.
 - **Go to:** allows you to go to **Today** or **Date**.
 - **Event List:** allows you to view **Appointment**, **Anniversary**, **Miscellaneous**, and **Task**.
 - **Delete:** allows you to delete **Selected**, **Periods**, **This Month**, or **All**.
 - **Settings:** allows you to set the default **Starting Day** (**Sunday** or **Monday**) or the **Default View by** (**Month**, **Week**, or **Day**).
 - **Missed Alarm Events:** this option displays any missed events.
 - **Used Space:** this option displays a list of the different Calendar event categories along with the memory allocation for each.

Recent Calls

The phone stores the numbers of the calls you have dialed, received, or missed in the **Recent Calls** menu. If the number or caller is listed in your Address Book, the associated name displays.

To access the Recent Calls menu:

- ▶ In Idle mode, press **Menu → My Stuff → Tools → Recent Calls**.

Tip: You can quickly access Recent Calls by pressing  in the Idle mode.

Memo

This option allows you to create memos and add them to your events.

Create a Memo

1. In Idle mode, press **Menu → My Stuff → Tools → Memo**.
2. Press the **Create** soft key or the  key.
3. Use the keypad to enter your text.
4. When your memo is complete, press the **Options** soft key and select **Save** or the  key.

Reviewing Memos

1. Press the **Up** or **Down** Navigation key to highlight a memo file.
2. Press the  key to open the memo. Press the **Options** soft key to edit the memo, send the memo as a message attachment, delete the memo, or see the used space for the memo.

— or —

Press the **Options** soft key to view the selected memo, create a new memo, send the message to a Bluetooth device or as a message attachment, deleted selected or multiple memos, or to see the used space for all memos.

Calculator

The calculator feature of your phone provides the basic arithmetic functions: addition, subtraction, multiplication, and division.

1. In Idle mode, press **Menu → My Stuff → Tools → Calculator**.
2. Enter the first number using the numeric keys.

Note: To include a decimal point press the  key. To include a left parenthesis, press the  key. To include a right parenthesis, press the  key twice.

3. Enter the operation for your calculation by pressing the **Up**, **Down**, **Left**, or **Right** Navigation key as shown on the screen.
4. Enter the second number.
5. To view the result, press the Equals key (.

Tip Calculator

Tip Calculator automatically calculates a gratuity (tip) amount based on the total amount of the check, a selected percentage, and the number of people paying.

- In Idle mode, press **Menu → My Stuff → Tools → Tip Calculator**.

Use the keypad to entered the following input:

- **Bill:** enter the total bill amount. Press the  key to include a decimal point.
- **Tip(%)**: enter the percentage of tip, such as 15.
- **Tip(\$)**: the amount based upon the tip percentage and the number paying.
- **# paying**: the amount of people contributing to the Tip Amount.

The following fields are calculated:

- **You pay:** the amount you or each person pays for the bill plus the tip amount.

Converter

The built-in conversion application can be used to convert the following: Currency, Length, Weight, Volume, Area, and Temperature.

Each converter function has a field for the type of unit to be converted, the number of units to be converted, the type of unit for the result, and the result.

1. In Idle mode, press **Menu → My Stuff → Tools → Converter**.
2. Use the **Up** or **Down** Navigation key to highlight a converter function and press the **Select** soft key or the  key.
3. Use the **Up** or **Down** Navigation key to highlight the various fields and press the **Left** or **Right** Navigation keys to select the appropriate field, such as **ft** as a “from” unit and **inch** as a “to” unit.
4. Use the keypad to enter the number of units to be converted. Press the  key to include a decimal point.

In the case where conversions are not exact, decimal figures appear for greater accuracy.

World Clock

World Clock allows you to view the time of day or night in as many as 30 different cities around the world, within all 24 time zones. When using the World Clock feature while traveling, it is possible to set not only your local time zone, but the visiting time zone as well.

Note: Be sure to set your local time zone first, and then set the visiting time zone.

1. In Idle mode, press **Menu → My Stuff → Tools → World Clock**.
2. Use the Navigation keys to move the onscreen time line to the new desired time zone.
3. To Activate or Deactivate the Daylight Saving Time, press either the **Set DST** soft key or the  key. Press **Back** to return to the previous menu.

Timer

Your phone has a countdown timer feature, can be used to count down to an event based on a preset time length of hours, minutes, and seconds.

1. In Idle mode, press **Menu → My Stuff → Tools → Timer**.
2. Press the **Set** soft key, use the keypad to enter the time, and press the **OK** soft key.
3. Press the **Play** key (■) to start the timer, the **Pause** key (■) to pause the timer, and the **OK** soft key or the ■ key to stop the timer.

Stopwatch

Use the Stopwatch feature to measure intervals of time for three separate times.

1. In Idle mode, press **Menu → My Stuff → Tools → Stopwatch**.
2. Press the **Start** key (■) to start the stopwatch. Press the **Stop** soft key to stop the stopwatch.
3. After you have started the stopwatch, you can press the **Lap** key (■) to start recording lap times.
4. Press the **Reset** soft key to erase all times recorded.

Section 11: WAP

Your phone is equipped with a WAP (Wireless Application Protocol) browser that allows you to access Internet specified for mobile phones. This section explains how to access the WAP services of your service provider and navigate the WAP browser.

Launching the WAP Browser

1. In Idle mode, press **Menu → Mobile Web** and press the **Select** soft key or the  key.

Your phone is connected to the network and loads the homepage of the Wireless Web service provider. The content of the start-up homepage depends on your Wireless Web service provider.

2. To scroll through the screen, use the **Up** and **Down** navigation keys.
3. To exit the browser at any time, simply press the  key.

Access a WAP Site

There are several ways to access a WAP site:

- Selecting a link on the browser.
- Using a bookmark item in the Favorites menu. Use **View Favorites** in the browser **Options**.
- Entering a URL address manually. Use **Enter URL** in the browser **Options**.

Navigating the WAP Browser

1. To scroll through browser items, press the **Up** or **Down** navigation keys.
2. To select a browser item, press **Options → Go to** or the  key.
3. To return to the previous page, press the  key or press **Options → Backward**.
4. To access the browser menu list, press the **Options** soft key.
5. To return to the previous page, press the **Back** soft key.
6. To return to the start-up homepage, press **Options → Go to Homepage**.

Entering Text in the WAP Browser

To enter text in a text field, press the **Right** soft key () to change the text input mode.

The following modes are available:

- **Abc**: allows you to enter alphabetic characters by pressing the key labeled with the corresponding letter.
- **Sym**: allows you to enter symbols such as punctuation marks and special symbols.
- **123**: allows you to enter numbers.
- **T9Abc**: allows you to enter words with fewer keystrokes. The T9 mode automatically compares the series of keystrokes you make with an internal linguistic dictionary to determine the most likely word, thus requiring fewer keystrokes than the traditional ABC mode.

Note: You can enter symbols in upper or lower case alphabet mode by pressing the Function key ()

Selecting and Using Menu Options

Various menus are available when you are using the WAP Browser to navigate the Wireless Web.

To access a menu option, press the **Options** soft key. A menu list displays.

Press the **Up** and **Down** Navigation keys to move through the options and press the **Select** soft key or the  key to make selections.

Note: The menus may vary, depending on your version of the WAP Browser.

The following **Options** are available:

- **Go to**: allows you to move to a certain page you previously selected.
- **Backward**: returns you to the previous menu.
- **Forward**: takes you to the next page.
- **Reload**: reloads the current page.
- **Go to Homepage**: takes you back at any time to the homepage of the Wireless Web service provider.
- **Add to Favorites**: allows you to add the selected URL to your Favorites list.
- **View Favorites**: shows the bookmarks list. You can bookmark the current page or access previously bookmarked pages.
- **Enter URL**: allows you to enter a URL address.
- **Copy URL to Message**: allows you to copy the URL of your present web location to a text message.
- **Save Image**: allows you to save images to your Downloaded Graphics folder.
- **Go to Messaging**: allows you to create a text message, review text messages in your Inbox, Outbox, or Drafts.

- **Go to My Stuff:** allows you to view the My Stuff menu.
- **History:** displays the history for the URL addresses selected.
- **Browser Settings:** allows you to change various browser settings.

Using Favorites

While navigating the WAP browser, you can bookmark a site to quickly and easily access it at a future time. The URL addresses of the bookmarked sites are stored in the Favorites folder, wherein you can use the 6-preset URL addresses and store your favorite URL addresses.

Accessing a WAP Site Using Favorites

1. In Idle mode, press **Menu → Mobile Web**.
2. Press **Options → View Favorites**.
3. Select a bookmark item on the Favorites list.

Storing a URL Address

1. In Idle mode, press **Menu → Mobile Web**.
2. Press **Options → Add to Favorites**.
3. Enter the name and URL
4. Press **Options → Save** to store the favorite.
5. When you have finished, press the  key.

Editing a Bookmark

1. From the **Favorites** list, select the bookmark you want to change.
2. Press the **Options** soft key and select **Edit**.
3. Change the name and the URL as you would when storing a new one.
4. Press the **Options** soft key and select **Save**.
5. When you have finished, press the  key.

Deleting a Bookmark

1. From the **Favorites** list, select the bookmark you want to delete.
2. Press the **Options → Delete** and either **Selected** to delete the highlighted bookmark or **All** to delete all bookmarks.
3. At the **Delete?** confirmation screen, press the **Yes** soft key or the  key to confirm deletion or press the **No** soft key to cancel deletion.
4. When you have finished, press the  key.

Downloading Multimedia Files

Using the AppCenter, you can buy a variety of multimedia files, such as ringtones, graphics, multimedia content, and so on, from the WAP browser and download them to your phone's memory. Your phone has embedded links to the WAP sites providing you with download services, preset by your service provider.

1. In Idle mode, press **Menu → AppCenter**.
2. Highlight **Ringtones**, **Games**, **Cool Tools/Apps**, **Videos**, **Color Graphics**, or **Answer Tones**, depending on the type of items you want to buy.
3. Press the  key to connect.
4. Find the item you want to download and follow the on-screen instructions to purchase it.

Clearing the Cache

The cache is the phone's temporary memory in which the most recently accessed WAP pages are stored. You can clear the cache at anytime.

1. In Idle mode, press **Menu → Mobile Web**.
2. Press **Options → Browser Settings**.
3. Select **Clear Caches** and press the **Select** soft key or the  key.

4. At the **Sure to Clear?** prompt, press the **Yes** soft key or the  key to confirm the deletion.

Changing the WAP Profiles

You can set up server profiles for the WAP browser.

1. In Idle mode, press **Menu → Mobile Web**.
2. Press **Options → Browser Settings → Browser Profiles**.
3. To change the current browser profile, highlight **Current Profile** and press the **Select** soft key or the  key.
 - The **Current Profile** allows you to set the options for current browser profile. Choose from the following options: **MEdia Net** or **Profiles 2-5**.
4. Highlight **Profile Settings** and press the **Select** soft key or the  key.
5. Select the profile you want. For each profile, the following options are available:
 - **Profile Name**: enter a name that you want to assign to the HTTP proxy server.
 - **Home URL**: set the address of your startup homepage. When the default homepage displays, you can delete it using the  key and enter your own choice.
 - **Proxy Use**: select Enable to use the proxy server.

- **GPRS Settings:** allows you to choose from the following options:
 - **Proxy Address:** enter the Proxy address of the proxy server.
 - **Proxy Port:** enter a port number or use default setting.
 - **APN:** enter the access point name used for the address of the GPRS network gateway.
 - **Login ID:** enter the User ID required to connect to the GPRS network.
 - **Password:** enter the password required to connect to the GPRS network.

Note: The WAP settings may vary depending on the service provider.

Section 12: Accessibility

TTY Mode

TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf or hard of hearing, or who have speech or language disabilities, to communicate with a telephone.

Use the following steps to enable TTY Mode:

1. Obtain a TTY device with a compatible Samsung connector. For more information on insertion and connection, see *“Charging a Battery”* on page 6.
2. Temporarily remove the plastic Power Interface Connector/headset cover, located on the side of the phone.
3. Plug the TTY device’s connector into the connector jack to enable the **TTY Mode**.
4. Remove the TTY device’s connector from the phone’s connector jack to disable the **TTY Mode**.

For additional technical support you may access the following website or call 1-888-987-4357.

http://www.samsungtelecom.com/contact_us/accessibility.asp

Section 13: Health and Safety Information

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

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 Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

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

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of

absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

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

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

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

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that

contains no metal and that positions the handset a minimum of 1.5 cm from the body.

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

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

GSM 850

- Head: 0.73 W/Kg.
- Body-worn: 1.05 W/Kg.

GSM 1900

- Head: 0.64 W/Kg.
- Body-worn: 0.93 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.

Please Note the Following Information When Using Your Handset

1. WARNING REGARDING DISPLAY

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

2. WARRANTY DISCLAIMER: PROPER USE OF A TOUCH SCREEN HANDSET

If your handset has a touchscreen display, please note that a touchscreen 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 touchscreen may damage the tempered glass surface and void the warranty. For more information, refer to “*Standard Limited Warranty*” on page 107.

Samsung Mobile Products and Recycling

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

Go to: <http://mobile.samsungusa.com/recycling/index.jsp> or 1-800-822-8837 for more information.

UL Certified Travel Adapter

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

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

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

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

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called “cell,” “mobile,” or “PCS” phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called “cordless phones,” which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe.

Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the

health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

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

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals.

However, many of the studies that showed increased tumor development used animals that had been genetically engineered

or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures.

However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years.

However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists.

Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF). FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996.

An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The

Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

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

Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000.

They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that

accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hand-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims.

According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many

other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

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

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radiation/>
- Occupational Safety and Health Administration's (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/index.html>

- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>
- World Health Organization (WHO):
<http://www.who.int/peh-emf/>
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>
- Health Protection Agency:
<http://www.hpa.org.uk/radiation>
- US Food and Drug Administration:
<http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm>

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold. Always comply with road safety regulations on using a mobile phone while driving. Using a mobile phone while driving can be dangerous.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you

to place your call without taking your attention off the road.

2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving. Suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility, driving safely.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken

traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

“The wireless industry reminds you to use your phone safely when driving.”

For more information, please call 1-888-901-SAFE, or visit our web-site www.ctia.org.

Important!: If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

Provided by the Cellular Telecommunications & Internet Association.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and

cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing.

Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

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

- 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.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use

noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.

- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

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

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: <http://www.audiology.org>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

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

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W.

Suite 9200

Patriots Plaza Building

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

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

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet: <http://www.cdc.gov/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 phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

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

Persons who have such devices:

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

For more information see:

<http://www.fcc.gov/oet/rfsafety/rf-faqs.html>

Other Medical Devices

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

Vehicles

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

Posted Facilities

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

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air

contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions areas or circumstances. Therefore, you should never rely solely on any wireless phone 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 phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number).
Emergency numbers vary by location.
3. Press the  key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

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

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association:

NFPA (National Fire Protection Agency)

1 Batterymarch Park

Quincy, Massachusetts

USA 02169-7471

Internet: <http://www.nfpa.org>

Cautions

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

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.

- Ensure that any mobile phones or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment 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 phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Allowing unqualified personnel to service your phone may result in damage to your phone and may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.
- Do not hold, bend or twist the phone's antenna, if applicable.
- Do not use the phone if the antenna is damaged.
- If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.
- Speak directly into the phone's receiver.
- If your phone has a SIM or memory card: (i) handle the SIM or memory card with care, (ii) do not remove a card while the phone is transferring or accessing information, as this could result in loss of data and/or damage to the card of phone, (iii) protect cards from strong shocks, static electricity, and electrical noise from other devices, and (iv) do not touch gold-colored contacts or terminals with your fingers or metal objects (if dirty, wipe the card with a soft cloth).
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Do not modify or remanufacture the battery as this could result in serious safety hazards. Use batteries only for their intended use.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the

operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.

- If left unused, a fully charged battery will discharge itself over time and must be recharged before use.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage serious injuries, damage to your phone, or other serious hazard.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, (below 0 °C (32 °F) or over 45 °C (113 °F) such as in a car in summer or winter conditions, as you will reduce the charging capacity and lifetime of the battery.

Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).

- Do not place the battery in, on or near areas that may get very hot, such as on or near a microwave oven, cooking surface, cooking appliance, iron, or radiator. Batteries may explode when overheated.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. Do not handle a damaged or leaking Lithium Ion (Li-Ion) battery. For safe disposal options for Li-Ion batteries, contact your

nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

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

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas (over 45 °C (113 °F)). High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas (below 0 °C (32 °F)). When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.

- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in, on or near areas that may get very hot, such as a microwave oven, cooking surface, cooking appliance, iron or a radiator. Do not dispose of the phone in a fire. The phone may explode when overheated.
- If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.
- Dispose of phones in accordance with local regulations. In some areas, the disposal of phones in household or business trash may be prohibited. For safe disposal options for phones, contact your nearest Samsung authorized service center.

Section 14: Warranty Information

Standard Limited Warranty

What is Covered and For How Long?

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

Phone	1 Year
Batteries	1 Year
Leather Case	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, neglect, unusual physical, electrical or electromechanical stress, or defects in appearance, cosmetic,

decorative or structural items, including framing, and any non-operative parts unless caused by SAMSUNG; (b) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (c) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (d) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (e) malfunctions resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (f) defects or damage from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (g) defects or damage from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake, or from exposure to weather conditions, or battery leakage, theft, blown fuse, or improper use of any electrical source; (h) defects or damage caused by cellular signal reception or transmission, or viruses or other software problems introduced into the Product; (i) any other acts which are not the fault of SAMSUNG; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this

Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the original date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All

replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

What Are the Limits On SAMSUNG's Warranty/Liability? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

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Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung’s Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important!: Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Customer Care Center:

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Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

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