SGH-c416 Series

PORTABLE QUAD-BAND
MOBILE PHONE
User Guide
Please read this manual before operating your
phone, and keep it for future reference.

SAMSUNG

Intellectual Property

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the SAMSUNG Phone, including but not limited to, accessories, parts, or software relating there to (the "Phone System"), is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with SAMSUNG and its suppliers.

Samsung Telecommunications America (STA), L.P.

Headquarters:	Customer Care Center:
1301 E. Lookout Drive	1000 Klein St.
Richardson, TX 75082	Plano, TX 75074
	Toll Free Tel: 1.888.987.HELP (4357)

Openwave® is a registered Trademark of Openwave, Inc.

RSA® is a registered Trademark RSA Security, Inc.

Disclaimer of Warranties; Exclusion of Liability

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED ON THE WARRANTY PAGE ENCLOSED WITH THE PRODUCT, THE PURCHASER TAKES THE PRODUCT "AS IS", AND SAMSUNG MAKES NO EXPRESS OR IMPLIED WARRANTY 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; THE DESIGN, CONDITION OR QUALITY OF THE PRODUCT; THE 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. NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS.

Table of Contents

Section 1: Getting Started

Topics Covered

- Activating Your Phone
- Powering On or Off the Phone
- Setting Up Your Voice Mail

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

Activating Your Phone

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

Removing the Battery

1. If necessary, power-off the phone by holding down the ⌧ key until the power-off image displays.
2. Remove the battery by pressing the battery lock down and slide the battery cover away, as shown.
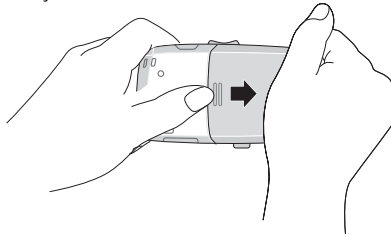
Installing the SIM Card

Important! The plug-in SIM card and its contacts can be easily damaged by scratches or bending. Use caution when inserting or removing the card and keep all SIM cards out of reach of children.

▶ Make sure the gold contacts of the card face into the phone, then slide the

SIM card into the socket.
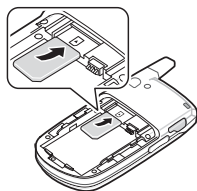
Removing the SIM Card

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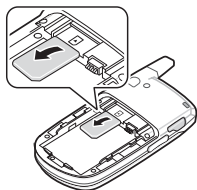
Installing the Battery

1. Align the battery tabs with the slots at the bottom of the phone.

2. Press the battery down until it clicks into place. Make sure that the battery is properly installed before switching on the phone.
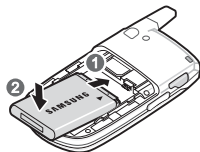
3. With the battery in position on the phone, place the cover back on the handset and slide it in until it clicks.
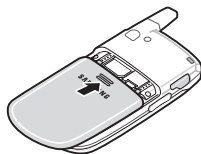
Charging a Battery

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 discharged battery recharges fully in approximately 3 hours. You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

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. Plug the connector of the travel adaptor into the jack on the side of the phone.
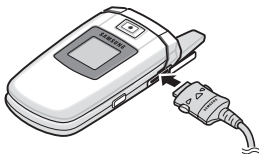
2. Plug the adaptor into a standard AC wall outlet. When charging is finished, unplug the adaptor from the power outlet.

3. Press the buttons on both sides of the connector (1) and (2) pull the connector out.

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

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. Open the phone.

2. Press and hold the ⊙ key until the phone power-on screen displays.

3. If the phone is locked, enter the phone password and press the **OK** soft key or the ✎ key. The password is preset to "00000000" at the factory. For further details, see "Change Password" on page 67.

4. If the phone asks for a PIN, enter the PIN and press the **OK** soft key or the ✎ key. For further details, see "PIN Check" on page 66.

   The phone searches for your network and after finding it, the Idle screen displays. Now, 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 further details, see "Language" on page 60**.**

5. When you wish to switch off the phone, press and hold the ⊙ key until the power-off image displays.

Setting Up Your Voice Mail

To access you voice mail from your keypad, use the following steps:

1. Open the phone to access your keypad.

2. From an Idle screen, press and hold the ⌧ key.

3. Follow the voice mail prompts to access messages.

Accessing Your Voice Mail

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Highlight **Recent Calls** and press the *i* key.

3. Highlight **Voice Mail** and press the *i* key.

4. Highlight **Connect to Voice Mail** and press the **Select** soft key or the *i* key.

5. When connected, follow the voice prompts from the voice mail center.

Changing the Voice Mail Number

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

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Highlight **Recent Calls** and press **Select** soft key or the *i* key.

3. Highlight **Voice Mail** and press the **Select** soft key or the *i* key.

4. Highlight **Voice Server Number** and press the **Select** soft key or the *i* key.

5. Highlight **Voicemail** and press the **Select** soft key or the *i* key.

6. **Edit Number** is highlighted. Press the **Select** soft key or the *i* key to modify the number.

7. Enter your new Voice Server number and press the **Save** soft key to save.

8. To edit the Voice Server Name, highlight **Edit Name** and press the **Select** soft key or the *i* key to modify the name.

9. Press the ⌢ key to return to **Idle** mode.

Section 2: Understanding Your Phone

Topics Covered

- Features of Your Phone
- Open View of Your Phone
- Front View of Your Phone
- Display Layout
- Selecting Functions and Options
- Command Keys

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 significant features. The following list outlines a few of the features included in your phone.

User friendly, menu driven access to features and options.

- Multimedia capability
- Speakerphone capability
- Featured applications provide alarms, calendar, calculator, converter, timer, stopwatch, and world time.

Open View of Your Phone

The following illustrations show the main elements of your phone:

Keys

The following list correlates to the open and front view illustrations.

1. **Display**: This screen displays all the information needed to operate your phone.

2. **Headset jack**: Allows you to plug in a headset for safe, convenient, hands-free conversations.

3. **Soft key**: Performs the functions indicated by the screen text on the bottom of the display.

4. **Send key**: Allows you to place or receive a call. In standby mode, press the key once to access the Recent Call log. If you press and hold the key down, you will initiate the most recent call from the Recent Call log.

5. **Volume/Menu Navigation key**: Allows you to adjust the ringer volume in standby mode or adjust the voice volume during a call. The volume key can also be used to scroll up or down to navigate through the different menu options. To mute the ringer during an incoming call, press the volume key up or down.

6. **Voicemail key**: Press and hold the ⌨ key to automatically dial your voicemail.

7. **Alphanumeric keypad**: Use these keys to enter numbers, letters and characters.

8. **Special Function keys**: Asterisk/Shift key-enters the [*] character for calling features. In text mode, press to change the character input type. Pound/Space/Quiet Mode key-enters the pound [#] character for calling features. In text entry mode, press to enter a space between characters. Press and hold to place handset in Quiet mode.

9. **Microphone**: The Microphone allows the other callers to hear you clearly when you are speaking to them.

10. **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.

11. **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 standby mode and cancels you input. When you receive an incoming call, press to reject call.

12. **Navigation keys**: This key allows you to scroll through phone menu options and provides a shortcut to phone functions from standby mode.

13. **WAP Browser/Menu confirm key**: When navigating through a menu accepts the highlighted choice in the menu. If you press once in Idle mode, the WAP browser will launch.

14. **Earpiece**: Used to listen to audio from your phone.

Closed View of Your Phone

5. Antenna
4. Camera lens
3. Power Interface Connector
1. Front LCD
2. Camera key

Keys

The following list correlates to the open and front view illustrations.

1. **Front LCD**: Your phone has an external display on the front of the phone. It indicates when you have an incoming call or message. It also displays date, time, reception, battery power, and any icons associated with alerts, such as messages, or a set alarm.

2. **Camera key**: launches the camera to take a photo.

3. **Power Interface Connector**: The power interface connector is used to plug in the charging accessories.

4. **Camera lens**: the camera lens is used for taking photos.

5. **Antenna**: Used to obtain maximum reception.

Back Light

A back light illuminates the display and the keypad when you press any key or open the phone. It turns off when no keys are pressed within a given period of time, and/or dims the light, depending on the settings in the **Back Light** menu.

Internal Display Layout

The display has 3 areas:

Icons

Text and graphics area

Soft key function indicators
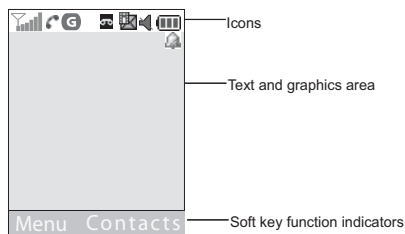
Icons

📶 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 voice mail has been received.

📧 Appears when a new multimedia message has been received.

Appears when you set an alarm to ring at a specified time. For details, see page "Alarm" on page 76.

Appears when you there is no network coverage available.

Appears when a call is in progress.

Appears when you are connected to a WAP service.

Appears when the Call Forwarding feature is active. For details, see page "Call Forwarding" on page 62.

Appears when incoming call Alert Type is set to Vibration.

Appears when an incoming call Alert Type is set to Vibration then Melody.

Appears when an incoming call Alert Type is set to Vibration and Melody.

Appears when Quiet Mode, Silent All is active.

Appears when Quiet Mode, Vibration All is active.

Appears when Bluetooth wireless technology is active.

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

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 sub-menus, accessed using the two soft keys. Each menu and sub-menu allows you to view and alter the settings of a particular function.

In some functions, you may be asked for a password or PIN. Enter the code and press the **Select** soft key or the 𝒊 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 that you can select it directly.

Selecting Options

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

• Press the appropriate soft key.

• To select the function displayed or the option highlighted, press the **Select** soft key or the *i* key.

• To view the next function or highlight the next option on a list, press the **Down** Navigation key or the ▼ key on the left side of the phone.

• To move back to the previous function or option on a list, press the **Up** Navigation key or the ▲ key on the left side of the phone.

• To move back up one level in the menu structure, press the **Back** soft key.

• To exit the menu structure without changing the settings, press the ⌷ key.

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 as follows.

• In the Idle screen, press the **Menu (**left) soft key ⌷ to open the Menu screen.

• When in a menu mode the left soft key ⌷ function is **Select**.

Right Soft Key

Some functions of the right soft key are as follows.

• In the Idle screen, press the **Contacts** soft key ⌷ to open the **Contacts** menu screen.

• When in a menu mode the right soft key ⌷ function is **Back**.

Clear Key

The **CLR** key ⌷ is used to erase or clear numbers, text, or symbols from the display. You can also use ⌷ to return to a previous menu or to return to standby mode from any menu.

• If you enter an incorrect character, briefly press ⌷ to backspace (and delete) the character.

- To erase the entire sentence, press and hold ⌧.
- To back up one menu level, briefly press ⌧.

End Key

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

- Press and hold the End key ⌧ to turn on your phone.
- Briefly press ⌧ once to disconnect a call.
- Press ⌧ to return to standby 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 number(s) dialed, received, or missed.

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

Navigation Key

Use the directional keys on the navigation key to browse menus, sub menus, and lists. Press the up or down navigation keys when jumping to highlighted links on the web.

Each key also acts as a shortcut to launch applications.
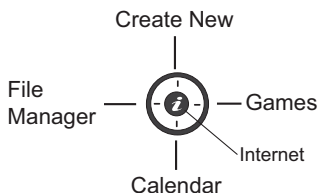
Speakerphone Key

During a call, use the speakerphone key 🎤 in conjunction with the left soft key ⬚ to activate the speakerphone operation. Use the volume keys (located on the left side of your phone) to adjust the volume.

Section 3: Call Functions

Topics Covered

- Making a Call
- Adjusting the Call Volume
- Answering a Call
- Recent Calls
- Quiet Mode
- Options During a Call

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

Making a Call

When the Idle screen displays, enter the area code and phone number, and press the ⬫ key.

Note: When you activate the Auto Redial option in the Extra Settings menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. See page "Extra Settings" on page 60 for further details.

Making an International Call

1. Press and hold the ⬚o+⬚ 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 a mis-typed entry when dialing.

1. After dialing a number
   - To clear the last digit displayed, press the ⬚c⬚ 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 ⬚c⬚ 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 ⬚c⬚ key. The Idle screen displays.

20

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

Ending a Call

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

Redialing the Last Number

All incoming, outgoing and missed calls are listed in the Recent Calls Menu. If the number or caller is listed in your Contacts, the name associated displays.

To access the **Recent Calls** menu:

1. From the Idle Screen, press ⊡ **Menu**. Use the navigation keys to highlight **Recent Calls** and press ⊡ **Select**.

2. Use the **Up** and **Down** navigation keys to scroll through the Recent Calls options. Choose from **Missed Calls**, **Calls Made**, **Calls Received**, or **Voice Mail**.

3. From the Idle Screen, press the ⊡ key to display a list of the most recent numbers used in the order you dialed or received them.

4. Use the **Up** and **Down** navigation keys to scroll through the numbers until the number you want highlights.

5. To dial the number, highlight the number and press the ⊡ key.

Making a Call from the Contacts

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 **Contacts**.

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

For further details about the **Contacts** feature, see "Finding an Contacts Entry" on page 39.

Adjusting the Call Volume

During a call, if you want to adjust the earpiece volume, use the Volume keys on the left side of the phone.

Press the ▲ key to increase the volume level and the ▼ key to decrease the level.

In Idle mode, you can also adjust the ringer volume using these keys.

Answering a Call

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

1. From the Idle Screen press the ⬡ key or the **Accept** soft key to answer the incoming call.

   If the **Anykey Answer** option in the **Settings** menu is activated, you can press any key to answer a call except the ⬡ key and the **Reject** soft key.

   If the **Open to Answer** option in the **Extra Settings** menu is activated, you can answer the call simply by opening the phone.

Note: To reject an incoming call, press and hold the Volume keys on the left side of the phone before opening the phone. A quick press of side volume key silences ringer on incoming call.

2. End the call by closing the phone or by pressing the ⬡ key.

Note: You can answer a call while using the Contacts 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've dialed, received, or missed in the **Recent Calls** menu. If the number or caller is listed in your Contacts, the name associated displays.

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. If the phone is closed, open the phone.
2. 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.

3. 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 **View** soft key.
2. Press the **Options** soft key and select **Delete**. Press the **Select** soft key, or the *i* key.
3. At the "**Sure to delete**?" prompt, press the **Yes** soft key to confirm deletion or **No** to cancel.

You can press the *i* key at any time to exit the Missed Call feature.

Call Time

1. From the Idle Screen, press [···] **Menu**. Use the navigation keys to highlight **Recent Calls** and press [···] **Select**.

2. Highlighted **Call Time** and press the **Select** soft key or the *i* key.

3. The following options that 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.

4. Press the **Reset** soft key and enter the password "00000000" and press the **OK** soft key to reset the call timers.

5. Press the **Back** soft key or the [�] key to end.

Data Volume

1. From the Idle Screen, press [···] **Menu**. Use the navigation keys to highlight **Recent Calls** and press [···] **Select**.

2. Highlighted **Data Volume** and press the **Select** soft key or the [···] key.

3. Use the **Up** and **Down** navigation keys to view the following information:

• **Recent Volume**: shows the **Sent**, **Received**, and **Total** data size used.

• **Total Volume**: shows the total volume of data sent and received from the phone.

4. Press the **Back** soft key or the [⌐] key to end.

Data Call Time

1. From the Idle Screen, press [···] **Menu**. Use the navigation keys to highlight **Recent Calls** and press [···] **Select**.

2. Highlighted **Data Call Time** and press the **Select** soft key or the *i* key.

3. The following options are available:

• **Recent Time**: shows the time used for the last data call sent or received.

• **Total Time**: shows the total time used to send or receive data.

4. Press the **Back** soft key or the [⌐] key to end.

Quiet Mode

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

In Idle mode, press and hold the [⌐] key until the "Silent Mode Activated" message and the ◣ Quiet Mode icon displays.

In Quiet mode, your phone will vibrate and light up the external LCD display or just light the external LCD display depending on the setting in the **Quiet Mode** feature.

To exit and reactivate the previous sound settings, press and hold the ✍ key again until "Silent Mode Deactivated" displays. The ▨ Quiet Mode icon no longer displays.

Note: Setting for Quiet Mode can be set to **Silent All** or to **Vibration All**.

Options During a Call

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

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 wish to dial or look it up in the Contacts.

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 **Swap** soft key. 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:
• **Loud Spkr ON/OFF**: Allows you to enable the speakerphone option.
• **Hold**: Places the call on hold.
• **New Call**: places the current call on hold and allows you to enter and dial another number.
• **Contacts**: access the Contacts information.

24

- **Text Message**: allows you to send a message from your inbox, outbox, or to create a new text message.
- **Mute Keys**: Silences the key tones when on the call.
- **Send DTMF**: Sends DTMF (Dual Tone Multi-Frequency) tones to the contacts you have selected.

If you have are in a multi-party call, the following options also display.

- **Join**: Joins the calls you have established with your phone.
- **End Held Call**: Ends the call that is placed on hold.

When you want to finish, 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 wish to say something to 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**. **Unmute** displays.
2. Press the 📟 **Unmute** to deative the Mute function.

Muting or Sending Key Tones

These options allow you to turn the key tones off or on. If the **Mute Keys** 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 annoying key tones during a call.

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

Searching for a Number in Contacts

You can search for a number in Contacts during a call.

1. Press the **Options** soft key.

2. Press the **Down** key to highlight the **Contacts** option.

3. Press the **Select** soft key or the 𝒊 key.

4. **Contact List** is highlighted. Press the **Select** soft key or the 𝒊 key.

5. Enter the first few letters of the name to display entries listed starting with the first entry matching your input.

6. Use the navigation keys to select an entry.

7. To view the highlighted entry, press the ⌑ **View** soft key.

For further details about the **Contacts** feature, see "Finding an Contacts Entry" on page 39.

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** Menu to **Activate**. 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 **Swap** soft key.

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

To end the current call, press the ⌑ key.

Section 4: Menu Navigation

Topics Covered

- Menu Navigation
- Menu Outline

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

Menu Navigation

Menus and sub-menus 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 the **Menu** soft key to access Menu mode.

2. Scroll using the Navigation keys to reach a main menu **Settings** for example. Press the **Select** soft key or the *i* key to enter the menu.

3. If the menu contains sub-menus, **Phone Settings** for example, you can access them by highlight the option and by pressing the **Select** soft key or the *i* key. If the menu that you have selected contains further options, repeat this step.

4. To scroll through the menus, press the **Up** or **Down** navigation key or the **Volume** key (located on the left side of your phone). Press the **Select** soft key, or the *i* key to make your selection.

5. To return to the previous menu level, press the **Back** soft key, the ⌐ key.

6. To exit the menu without changing the settings, press the ⌐ key.

Using Shortcuts

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

Example: Accessing the Language menu.

---

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

   The available languages are displayed.

Menu Outline

The following list shows the menu structure and indicates the number assigned to each option.

1: Recent Calls
    1.1: Missed Calls
    1.2: Calls Made
    1.3: Calls Received
    1.4: Voice Mail
        1.4.1: Connect to Voice Mail
        1.4.2: Voice Server Number
    1.5: Delete All
    1.6: Call Time
    1.7: Data Volume
        1.7.1: Recent Volume
        1.7.2: Total Volume
    1.8: Data Call Time
2: Internet
    2.1: Home
    2.2: Favorites
    2.3: Go to URL
    2.4: Browser Profiles
    2.5: Clear Cache
3: Games
    3.1: Get Games
    3.2: My Games
4: Applications
    4.1: Alarm
    4.2: Calendar
    4.3: Task
    4.4: Notes
    4.5: Calculator

4.6: Converter
    4.6.1: Length
    4.6.2: Weight
    4.6.3: Volume
    4.6.4: Area
    4.6.5: Temperature
4.7: Timer
4.8: Stopwatch
4.9: World Time
4.0: SIM AT*
5: Messaging
    5.1: Text Message
        5.1.1: Create New Message
        5.1.2: Inbox
        5.1.3: Outbox
        5.1.4: Delete All
    5.2: Multimedia Message
        5.2.1: Create New Message
        5.2.2: Inbox
        5.2.3: Outbox
        5.2.4: Drafts
        5.2.5: Delete All
    5.3: Browser Messages
    5.4: Templates
    5.5: Settings
        5.5.1: Text Message
            5.5.1.1: Service Center*
            5.5.1.2: Validity Period
            5.5.1.3: Message Type
            5.5.1.4: Reply Path
            5.5.1.5: Delivery Report
            5.5.1.6: Character Support
        5.5.2: Multimedia Message
            5.5.2.1: Send Settings
                5.5.2.1.1: Priority
                5.5.2.1.2: Validity Period
                5.5.2.1.3: Delivery After
                5.5.2.1.4: Delivery Report

9.1.5: Quiet Mode
9.1.6: Extra Tone
9.2: Display Settings
    9.2.1: Wallpaper
        9.2.1.1: Main LCD
        9.2.1.2: Front LCD
    9.2.2: Skin
    9.2.3: Brightness
    9.2.4: Front LCD Contrast
    9.2.5: Backlight
        9.2.5.1: On
        9.2.5.2: Dim
    9.2.6: Dialing Display
    9.2.7: Front LCD
9.3: Time & Date
    9.3.1: Set Time
    9.3.2: Set Date
    9.3.3: Time Format
    9.3.4: Auto Update
9.4: Phone Settings
    9.4.1: Language
        9.4.1.1: Text Language
        9.4.1.2: Input Mode
    9.4.2: Greeting Message
    9.4.3: Extra Settings
9.5: Network Services
    9.5.1: Call Forwarding
        9.5.1.1: Forward Always
        9.5.1.2: Busy
        9.5.1.3: No Reply
        9.5.1.4: Unreachable
        9.5.1.5: Cancel All
    9.5.2: Call Barring*
        9.5.2.1: All Outgoing
        9.5.2.2: International
        9.5.2.3: International Except For Home
        9.5.2.4: All Receiving
        9.5.2.5: Receiving While Abroad

* Shows only if supported by your SIM card.

Section 5: Entering Text

Topics Covered

- Changing the Text Input Mode
- Using T9 Mode
- Using Alphabet Mode
- Using Symbols
- Using Numbers

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.

Changing the Text Input Mode

The **Text Input** option switches the key entry functions from T9 Mode, ABC Mode, Numeric Mode, and Symbols Mode.

T9 Mode

> This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter; for example, pressing the 5 key can enter J, K, or L. However, the T9 mode automatically compares the series of keystrokes you make with an internal linguistic dictionary to determine the most likely word, thus requiring far fewer keystrokes than the traditional Alphabet mode.

ABC Mode

> This mode allows you to enter letters by pressing the key labeled with the letter you want. Press the key once, twice, three, or four times until it displays.

Numeric Mode

> This mode allows you to enter numbers.

Symbols Mode

> This mode allows you to enter symbols, such as punctuation marks.

When you are in a field that allows characters to be entered, you will notice the text input mode indicator on the display.

```
📶 160 📄 1/12  A
```
Options ↟ T9)Eng ——— Text Input
                        Mode Indicator
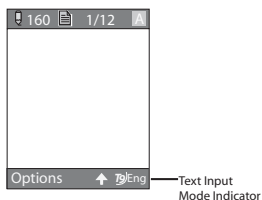
1. To change the text input mode, press the ⋯ key.

2. Choose from the following options:

   A Eng: ABC mode

   1 Eng: Numeric mode (press and hold the # key to change to Number mode)

   T9)Eng : T9 mode

Note: In ABC mode press the ⋯ key to access and exit T9 mode.

   Symbol mode

Note: Press and hold the ⁎ key to access Symbol mode. Press the number key corresponding to the symbol you want to enter. Use the **Up** and **Down** navigation keys to scroll through the available symbols. Press the **Back** soft key to exit.

Using T9 Mode

T9 Predictive Text input mode is based on a built-in dictionary.

Enter a Word in T9 Mode

In T9 mode, begin entering a word by pressing the **2** to **9** keys. Press each key only once for each letter. The built-in dictionary lists words that match the keystrokes you have entered.

Example: To enter "Hello", press

4 ghi , 3 def , 5 jkl , 5 jkl , 6 mno

The word that you are typing appears in the display. It may change with each key that you press.

3. Enter the whole word before editing or deleting the keystrokes.

4. When the word displays correctly, go to step 5.

If the word doesn't display correctly, press the 0+ key to display alternative word choices for the keys that you have pressed.

Example: Both "Of" and "Me" have the 6mno and 3def keys. The phone displays the most commonly used choice first.

---

5. Insert a space by pressing the # key and start entering the next word.

Add a New Word into the T9 Dictionary

1. After pressing the keys corresponding to the word you want to add, press the 0+ key to display the alternative words.

2. When the last alternative word is displayed, **Spell** displays. Press the **Spell** soft key or the 𝒊 key.

3. Enter the word you want to add using ABC mode.

4. Press the **OK** soft key or the 𝒊 key.

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

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

- To enter periods, hyphens, colons, or parenthesis, press the 1∞ key. T9 mode applies grammar rules to ensure that correct punctuation is used.
- To shift case in T9 mode, use the ⇧ key. There are 3 cases: Initial capital, Capital lock, and Lower case.
- You can move the cursor by using the Left and Right keys. To delete letters, press the C key. Press and hold the C key to clear the display.

Using Alphabet Mode

To use the Alphabet Mode use the 1∞ to 0+ keys to enter your text.

1. Press the key labeled with the letter you want:

    - Once for the first letter
    - Twice for the second letter
    - And so on

2. Select the other letters in the same way.

Note: The cursor moves to the right when you press a different key. When entering the same letter twice or a different letter on the same key, just wait for a few seconds for the cursor to move to the right automatically, and then select the next letter.

Keys

- ⌨ `1∞` . @ , - ? ! : ( ) / 1
- ⌨ `2abc` A B C 2 a b c 2
- ⌨ `3def` D E F 3 d e f 3
- ⌨ `4ghi` G H I 4 g h i 4
- ⌨ `5jkl` J K L 5 j k l 5
- ⌨ `6mno` M N O 6 m n o 6
- ⌨ `7pqrs` P Q R S 7 p q r s 7
- ⌨ `8tuv` T U V 8 t u v 8
- ⌨ `9wxyz` W X Y Z 9 w x y z 9
- ⌨ `0+` + = < > € £ $ % & ¥ ¤ 0

Entering Symbols

Symbol mode enables you to insert symbols and punctuation marks into text.

1. To enter symbol mode press and hold the ⌨ key.

2. To select a symbol, press the corresponding number key.

3. To display more symbols, press the **Up** or **Down** Navigation key.

4. To clear the symbol(s), press the ⌨ key. When the input field is empty, this key returns the display to the previous mode.

5. To insert the symbol(s) into your message, press the **OK** soft key or the 𝒊 key.

Using Numbers

Number mode enables you to enter numbers into a text message. Press the keys corresponding to the digits you want to enter.

Section 6: Understanding Your Contacts

Topics Covered

- Using Contact List
- Adding a New Contact
- Using Caller Group
- Using Speed Dial
- Finding My Own Phone Number
- Management

This section allows you to manage your daily contacts by storing their name and number in your Contacts. Contacts entries can be sorted by name, entry, or group.

Using Contacts List

Dialing a Number from Contacts

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

Finding an Contacts 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 Contacts.

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

1. When the Idle screen displays, press the **Menu** soft key.
2. Highlight **Contacts**, and press the **Select** soft key or the *i* key.
3. Select **Contact List** and press the **Select** soft key or the *i* key.
4. Enter the first few letters of the name.

   The Contacts entries are listed, starting with the first entry matching your input.
5. To select a different entry, press the **Up** or **Down** Navigation key until the entry you want is highlighted.

6. Once you have found the entry, press the 📞 key to dial the number, or press the **Options** soft key to access the Contacts entry options.

Using Contacts Entry Options

While accessing any Contacts entry, press the **Options** soft key to use the options for the entry.

The following options are available:

- **Edit Number**: allows you to edit the number. Press the *i* key to save.
- **Edit Name**: allows you to edit the contact information. Press the *i* key to save.
- **Send Message**: allows you to send a text message or a multimedia message to this contact.
- **Assign Speed Dial**: allows you to set the speed dial key for this entry.
- **Copy to Phone/SIM**: allows you to copy the contact information from the SIM to the phone or from your phone to your SIM.
- **Copy to SIM (FDN)**: allows you to copy the contact information from the Phone to the SIM (FDN).
- **Delete Entry**: allows you to delete the **selected** contacts entry.

Adding a New Contact

Use the following procedures to store a new contact to your Phone or SIM Card.

Storing a Number in the Phone's Memory

1. When the Idle screen displays, press the **Menu** soft key.

2. Highlight **Contacts,** press the **Select** soft key or the *i* key.

3. Scroll to **Add New Contact** by pressing the **Up** or **Down** key and press the **Select** soft key or the *i* key.

4. Select **Phone** and press the **Select** soft key or the *i* key.

5. Enter the information on the **Type** screen. The following fields are available for input:

- **Mobile**: assigns the number entered to the Mobile entry.
- **Home**: assigns the number entered to the Home entry.
- **Office**: assigns the number entered to the Office entry.
- **FAX**: assigns the number entered to the Fax entry.
- **Other**: allows you to enter additional numbers for the entry.
- **E-Mail**: allows you to enter an e-mail address for the contact.

Tip: To change text entry mode press the ⌨ key. For further details about how to enter characters, see "Using Alphabet Mode" on page 37.

6. Press the **Save** soft key or the *i* key to save new contact entry.

7. The **View** screen appears in the display. Use the **Left** and **Right** navigation keys to choose one of the following options:

   • **Note**: allows you enter notes associated with this contact.
   • **Group**: allows you to assign this contact to group. Press the **Options** soft key to display available groups. Use the **Up** or **Down** navigation keys to select a group. Press the **Select** soft key or the *i* key to save your selection.
   • **Graphic**: allows you to set a graphic or Caller ID to this contact. Press the **Options** soft key or the *i* key to access the Graphic menu. Choose to launch the camera to Take Photo, or My Photos, Images, or No Image.
   • **Alert**: allows you to choose a ringtone for this contact information.

8. Press the *i* key to save. To return to the Idle screen, press the 📞 key.

Storing a Number in the SIM Card

1. When the Idle screen displays, press the **Menu** soft key.

2. Highlight **Contacts,** press the **Select** soft key or the *i* key.

3. Scroll to **Add New Contact** by pressing the **Up** or **Down** key and press the **Select** soft key or the *i* key.

4. Select **SIM** and press the **Select** soft key or the *i* key.

5. Enter the following information for the New Contact.

Note: To change text entry mode press the 📟 key. For further details about how to enter characters, see "Using Alphabet Mode" on page 37.

   • **Number**: assigns the number entered to the Mobile entry.
   • **Name**: allows you to enter a name for the number entered.
   • **Location**: allows you to assign a location number on your SIM for the number being entered.

6. Press the **Save** soft key to save your entry.

7. Press the **Options** soft key to display the following options:

   • **Edit Number**: allows you to edit the number assigned to this contact.
   • **Edit Name**: allows you to edit the name assigned to this contact.
   • **Send Message**: allows you to send a text message or a multimedia message to this contact.
   • **Assign Speed Dial**: allows you to set a speed dial key to this contact.
   • **Copy to Phone**: allows you to copy the conctact information to the Phone.
   • **Copy to SIM (FDN)**: allows you to copy the conctact information to the SIM (Fixed Dial Number) card.
   • **Delete Entry**: allows you to delete this contact entry information.

8. To return to the Idle screen, press the ⌧ key.

Dialing a Number from the SIM Card

1. In Idle mode, enter the location number for the phone number you want to dial and press the ⌨ key.

   The contact entry information is displayed.

2. Press the **Up** or **Down** navigation key to find other numbers on the list.

3. Press the **Dial** soft key, the 📞 key, or the *i* key when you have selected the number you want to call.

Speed Dial

Once you have stored phone numbers from your Contacts list, you can set up to 8-speed dial entries and then dial them easily whenever you want, simply by pressing the associated numeric key.

In Idle mode, to speed dial the numbers assigned to keys (2 to 9), press and hold the appropriate key.

Setting Up Speed Dial Entries

1. When the Idle screen displays, press the **Menu** soft key.

2. Highlight **Contacts,** press the **Select** soft key or the *i* key.

3. Scroll to **Speed Dial** by pressing the **Up** or **Down** key, press the **Select** soft key or the *i* key.

4. Select the key in which you wish to assign the speed-dialing number (from the 2 to 9 keys), and press the **Select** soft key or the *i* key.

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

---

5. Choose from the following options:
- **Edit Number**: allows you to enter the phone number assigned to this speed dial key. Press the Names soft key to choose from the Contact List or the FDN List.
- **Enter Name**: allows you to enter a name assigned to this speed dial key.
- **Delete**: allows you to delete a speed dial entry.

6. Select the entry you would like to add and press the **Select** soft key or the *i* key to save the entry.

Changing a Number Assigned to a Key

1. When the Idle screen displays, press the **Menu** soft key.

2. Highlight **Contacts,** press the **Select** soft key or the *i* key.

3. Scroll to **Speed Dial** by pressing the **Up** or **Down** key, press the **Select** soft key or the *i* key.

4. Highlight the entry you wish to change and press the Select soft key.

5. Edit Number is highlighted, press the **Select** soft key or the *i* key. Press the ⊂_⊃ key to clear the digit or press and hold the ⊂_⊃ key to clear the entire number.

6. Enter the new Number and press the **Save** soft key or the *i* key.

7. Enter the new Name and press the **Save** soft key or the *i* key.

8. When you are finished, press the 🕾 key to return to Idle mode.

Deleting Speed Dial Entries

1. When the Idle screen displays, press the **Menu** soft key.

2. Highlight **Contacts,** press the **Select** soft key or the *i* key.

3. Scroll to **Speed Dial** by pressing the **Up** or **Down** Navigation key, press the **Select** soft key or the *i* key.

4. Select the number assigned key you want to remove and press the **Select** soft key or the *i* key.

5. Select **Delete** and press the **Select** soft key or the *i* key.

6. Press the **Yes** soft key to confirm deletion.

7. When you are finished, press the 🕾 key to return to Idle mode.

Finding My Own Phone Number

This function is a memory aid, which you can use to check your own phone number if you need to do so.

You can assign a name to each of your own phone numbers registered on your SIM card. You can also edit the names and numbers. Any changes made here do not in any way affect the actual subscriber numbers on your SIM card.

1. When the Idle screen displays, press the **Menu** soft key.

2. Highlight **Contacts**, press the **Select** soft key or the *i* key.

3. Select **Own Number** by pressing the **Up** or **Down** key and press the **Select** soft key or the *i* key.

4. Highlight **Voice Line1**, your mobile number displays in a pop up.

5. Enter additional numbers in the 2, 3, and 4 fields.

6. Press the *i* key to **Save**.

FDN List

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.

The following options are available:

• **Disable**: you can call any number.

• **Enable**: you can only call phone numbers stored in SIM card.

You must enter your PIN2. You can obtain your PIN2 from your service provider.

Group Settings

Editing a Caller Group

1. When the Idle screen displays, press the **Menu** soft key.

2. Highlight **Contacts,** press the **Select** soft key or the *i* key.

3. Scroll to **Group Settings** by pressing the **Up** or **Down** key and press the **Select** soft key or the *i* key.

4. Scroll through the group list by pressing the **Up** or **Down** navigation key.

5. When the group you want to edit highlights, press the **Select** soft key. The following options are available:

• **Ringtone**: allows you to set the ringtone associated with this group. Choose from the Default Ringtones or from the Downloaded Ringtones.

• **Edit Name**: allows you to change the name of the group.

• **View Image**: allows you to view the assigned group image.

6. When you are finished, press the 📞 key to return to Idle mode.

Management

The Management option allows you to copy, delete, and view the memory status for the Phone and SIM entries on your phone.

Copy All to Phone

You can copy all SIM entries to the Phone using the Copy All to Phone option. When you copy entries to the phone, duplicate entries are created.

Note: Options are available for phone entries that are not available when stored to the SIM card. For details see "Storing a Number in the Phone's Memory" on page 40.

Delete All of the Contacts Entries

You can delete All, Phone, SIM, and SIM (FDN) entries from your phone's memory.

1. When the Idle screen displays, press the **Menu** soft key.

2. Highlight **Contacts,** press the **Select** soft key or the *i* key.

3. Scroll to **Management** by pressing the **Up** or **Down** Navigation key and press the **Select** soft key or the *i* key.

4. Highlight **Delete All** and press the **Select** soft key or the *i* key.

5. Highlight the memory location you want to empty and press the *i* key.

   You can remove the check mark by pressing the *i* key.

6. Press the **Delete** soft key to delete the entries in the selected memory location.

7. At the **Delete All?** confirm screen, press the **Yes** soft key to continue, or the **No** soft key to cancel.

8. Enter the PIN2 password and press the **OK** soft key or the *i* key.

9. When the confirmation message appears, press the **Yes** soft key or the *i* key to confirm deletion.

   Press the **No** soft key to cancel deletion.

10. When you are finished, press the 🕾 key to return to Idle mode.

Checking the Memory Status

You can check how many names and numbers are stored in the Contacts, in both SIM card and the phone memory. You can also see the capacity of both memories.

1. When the Idle screen displays, press the **Menu** soft key.

2. Highlight **Contacts**, press the **Select** soft key or the *i* key.

3. Scroll to **Management** by pressing the **Up** or **Down** Navigation key and press the **Select** soft key or the *i* key.

4. Select **Memory Status** by pressing the **Up** or **Down** Navigation key and press the **Select** soft key or the *i* key.

5. When you are finished viewing your phone's **Memory Status**, press the 🕾 key to return to Idle mode

Section 7: Messaging

Topics Covered

- Types of Messages
- Creating and Sending New Messages
- Text Messages
- Viewing New Messages
- Using Message Options
- Using Message Templates
- Deleting Messages
- Settings
- Memory Status

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 Messages

Creating and Sending New Messages

Text Messages

Short Message Service (SMS) allows you to send and receive short text messages to and from other mobile phones. In addition, your phone supports the Enhanced Messaging Service (EMS), which enables you to include simple pictures, melodies, and animated images in your messages. To use this feature, you must subscribe to your service provider's message service.

The Message icon ( ) displays when you have received new text messages. 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.

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Messaging** and press the **Select** soft key or the *i* key. Using the **Up** or **Down** Navigation key, highlight **Text Message** and press the **Select** soft key or the *i* key.

3. Highlight **Create New Message** and press the **Select** soft key or the *i* key. Create your message.

4. When you have finished writing your message, press the **Options** soft key. Choose from the following options:

   • **Send**: allows you to send the message.
   • **Text Formatting**: allows you to set the text size, text mode, bold, italic, and alignment for the text entered.
   • **Add Content**: allows you to add pictures, animation, or melody to your message.
      - **Add Picture**: allows you to add a picture to your message.
      - **Add Animation**: allows you to add an animation to your message. Select between Preset Animation or My Animations.
      - **Add Melody**: allows you to add a melody to your message. Select between Preset Melodies and My Melodies.
   • **Templates**: allows you to insert one of the preset message templates to the text.
   • **Add from Favorites**: allows you to add a website address from your favorite internet addresses.
   • **Save Message**: save the message in the Phone or SIM.
   • **Select Language**: allows you to set the language to English, Français, or Español.

5. Select **Send** and press the **Select** soft key or the *i* key.

6. Highlight an Empty recipient and press the **Select** soft key or the *i* key. Enter a destination number or press the **Names** soft key to make a selection from the **Contacts**. Highlight the entry and press the **Select** soft key.

7. Press the **Send** soft key to send the message.

Multimedia Messages

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Messaging** and press the **Select** soft key or the *i* key.

3. Highlight **Multimedia Message** and press the **Select** soft key or the *i* key.

4. Using the **Up** or **Down** Navigation key, highlight **Create New Message** and press the **Select** soft key or the 𝒊 key. Press the **Add** soft key to enter the subject text. Press the **Save** soft key.

5. Press the **Opt**. soft key to view the following options:
   - **Preview**: allows you to preview your messages before sending.
   - **Send**: allows you to send the message.
   - **Add Page**: allows you to add additional pages to your message.
   - **Page Timing**: allows you to set the time (in seconds) a page is displayed.
   - **Text Effect**: allows you to set the color, size and style for the text.
   - **Clear Subject**: clears the text entered in the subject field.
   - **Delete Page**: deletes a page from your message.
   - **Save Message**: saves the message to Drafts folder.
   - **Settings**: allows you to select a Priority, Validity Period, Delivery After, Delivery Report, Read Reply.

6. Using the **Up** or **Down** Navigation key, highlight **Graphics** and press the **Add** soft key to add a picture. Highlight **Take Photo** to launch the camera or select **My Photos** to select a photo previously taken. Select **Downloaded Graphics** to choose from the downloaded graphics folder.

7. Press the **Opt.** soft key to display the following options:
   - **Preview**: allows you to preview the message before sending.
   - **Send**: allows you to send the message
   - **Add Page**: allows you to additional pages to your message.
   - **Page Timing**: allows you to set the time (in seconds) a page is displayed.
   - **Text Effect**: allows you to set the color, size and style for the text.
   - **Clear Picture**: clears the picture selected in the graphics field.
   - **Delete Page**: deletes a page from your message.
   - **Save Message**: saves the message to Drafts folder.
   - **Settings**: allows you to select a Priority, Validity Period, Delivery After, Delivery Report, Read Reply.

8. Using the **Up** or **Down** Navigation key, highlight **Audio** and press the **Add** soft key to add an audio file. Highlight **Record** to launch the Audio Recorder or select **Recorded Audio** to select a audio previously recorded. Select **Downloaded Audio** to choose from the downloaded audio files.

9. Press the **Opt.** soft key to display the following options:
   - **Preview**: allows you to preview the message before sending.
   - **Send**: allows you to send the message
   - **Add Page**: allows you to additional pages to your message.
   - **Page Timing**: allows you to set the time (in seconds) a page is displayed.

- **Text Effect**: allows you to set the color, size and style for the text.
- **Clear Sound**: clears the sound selected in the audio field.
- **Delete Page**: deletes a page from your message.
- **Save Message**: saves the message to Drafts folder.
- **Settings**: allows you to select a Priority, Validity Period, Delivery After, Delivery Report, Read Reply.

10. Using the **Up** or **Down** Navigation key, highlight **Message** and press the **Add** soft key to add a message. Enter the text and press the **Opt**. or the **ⅈ** key. Select **Done** to complete the text entry or select **Templates** to add text from the 10 default templates.

11. Press the **Opt.** soft key to display the following options:

- **Preview**: allows you to preview the message before sending.
- **Send**: allows you to send the message
- **Add Page**: allows you to additional pages to your message.
- **Page Timing**: allows you to set the time (in seconds) a page is displayed.
- **Text Effect**: allows you to set the color, size and style for the text.
- **Clear Message**: clears the message selected in the audio field.
- **Delete Page**: deletes a page from your message.
- **Save Message**: saves the message to Drafts folder.
- **Settings**: allows you to select a Priority, Validity Period, Delivery After, Delivery Report, Read Reply.

12. When you have finished creating the messages, press the **Opt.** soft key and highlight the **Send** menu option. Press the **Select** soft key or the **ⅈ** key.

13. The **Send** screen displays, press the **Options** soft key. Choose from the **Number**, **E-mail**, or **Contacts**.

14. When you have finished entering destination numbers, press the **Send** key.

Viewing New Messages

Text and multimedia messages are transferred directly to your phone and are stored in the respective Inbox. Your phone alerts you to new messages.

Viewing a New Multimedia Message

When a new Multimedia message comes in, the display shows the Multimedia Message icon ( ) and a text notification along with the sender's number.

1. Press the **View** soft key to view brief information about the message, such as the sender's number, the message size, and the subject.

If you want to view the message later in the Inbox, press the **Back** soft key.

2. To view the message, press the **Select** soft key or the *i* key.

3. Press the **Opt**. soft key or the *i* key to access the following options:

   • **Delete**: allows you to delete the message.
   • **Replay**: allows you to replay the message if it has an attached file.
   • **Reply**: allows you to reply to the message.
   • **Reply All**: allows you to reply to all the recipients of the message.
   • **Forward**: allows you to forward the message to another person.
   • **Call Back**: allows you to call the sender of the message.
   • **Save MEdia**: saves to the audio and/or video to the My MEdia folder. Audio will save to audio folder, graphic will save to graphic folder and video will save to video folder.
   • **Extract Address**: allows you to move the address to the contacts list.
   • **Properties**: shows you detailed information about the message.

4. To scroll through the message, press the **Up** or **Down** key.

5. When you have finished, press the 📞 key.

Viewing a Message in the Inbox

1. In Idle mode, press the **Menu** soft key and highlight **Messaging.** Press the **Select** soft key or the *i* key.

2. Highlight the message folder (**Text Message**, **Multimedia Message**, **Browser Message**) and press the **Select** soft key or the *i* key.

3. Highlight **Inbox** and press the **Select** soft key. The message list opens. The icons on the left of the number indicates the message type.

   • ✉ : indicates SMS
   • 🖼 : indicates Multimedia

4. Select a message on the list. The message content displays.

5. Press the **Up** or **Down** key to scroll through the message screen. For an Multimedia message, press the **Left** or **Down** key to scroll to other pages, if the message has more than one message.

6. When you have finished, press the 📞 key.

Browser Message

This menu allows you to receive web messages from the server, or to set the phone not to receive Web messages.

The following options are available:

- **Inbox**: allows you to read the messages received from the web server.
- **Setting**: allows you to set whether or not your phone receives web messages.
- **Delete all**: allows you to delete all of the web messages.

Using Message Options

While viewing the content of a message, press the **Opt**. soft key to access the following options:

Options for SMS Messages

- **Reply**: allows you to reply to the message via Text message.
- **Forward**: allows you to forward the message.
- **Delete**: deletes the message.
- **Call Back**: allows you to dial the originating message number.
- **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 saved to the SIM card.
- **Extract Address**: allows you to save the recipient or sender's number and URL, Email addresses or phone numbers from the message text.

Options for Multimedia Messages

- **Delete**: allows you to delete the message.
- **Replay**: allows you to replay the message if it has an attached file.
- **Reply**: allows you to reply to the message.
- **Reply All**: allows you to reply to all the recipients of the message.
- **Forward**: allows you to forward the message to another person.
- **Call Back**: allows you to call the sender of the message.
- **Save MEdia**: saves to the audio and/or video to the My MEdia folder. Audio will save to audio folder, graphic will save to graphic folder and video will save to video folder.
- **Extract Address**: allows you to move the address to the contacts list.
- **Properties**: shows you detailed information about the message.

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 the **Menu** soft key to access Menu mode.
2. Select **Messaging** and press the **Select** soft key or the *i* key. Highlight **Templates** and press the **Select** soft key or the *i* key.

3. Highlight a template and press the **Select** soft key to access the following options:
   - **Edit**: allows you to change the template.
   - **Send Message**: allows you to send an SMS and MMS message using the template.
   - **Delete**: deletes the template.
4. When you have finished, press the 📞 key.

Deleting Messages

You can delete the messages in each message folder(s) individually or all at one time. You can also delete all of your messages at one time.

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Messaging** and press the **Select** soft key or the *i* key.

3. Highlight either **Text Message** or **Multimedia Message** and press the **Select** soft key.

4. Using the **Up** or **Down** Navigation key highlight **Delete All** and press the **Select** soft key or the *i* key.

5. Select the message folder(s) you want to empty. Use the Navigation keys to highlight the folder and press the *i* key to mark the folder you want to delete.

   To delete all of the messages in all folders, select **All Messages**.

6. Press the **Delete** soft key. At the "Delete All?" pop-up, press the *i* key to mark files with protection to be deleted or press the **Yes** soft key to delete.

7. Press the **Yes** soft key or the *i* key to confirm deletion.

8. When you have finished, press the 📞 key.

Settings

You can set up various options for using messaging services.

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Messaging** and highlight **Settings**. Press the **Select** soft key or the *i* key.

3. Select the type of messages for which you want to change. Press the **Select** soft key or the *i* key.

Text Message

The following options are available:

- **Service Center (SIM Dependent)**: set the contact number for your Wireless Carrier's service center.
- **Validity Period**: select the length of time you wish the message to remain on the SMS server.
- **Message Type**: select the type of message to be sent and received.
- **Reply Path**: allows the recipient of your message to send you a reply through your message center, if your network supports this service.
- **Delivery Report**: allows you to activate or deactivate the report function. When this function is activated, the network informs you whether or not your message has been delivered.
- **Character Support**: select which charater set to use in your messages or set to automatic selection.

Multimedia Message

The following options are available:

- **Send Settings**:
    - **Priority**: you can select the priority level of your messages.
    - **Validity Period**: select the length of time you wish the message to remain on the MMS server.
    - **Delivery After**: you can set a time delay before the phone sends your messages.
    - **Delivery Report**: when this option is enabled, the network informs you whether or not your message has been delivered.
    - **Read Reply**: when this option is enabled, your phone sends a request for a reply along with your message to the recipient.
- **Receive Settings**: you can specify the category of messages you want to retrieve. Allows you to set the following:
    - **Msg. Reception**: allows you to set the message receipt options. Choose from Manual, Automatic, or Reject.
    - **Anonymous Reject**: allows you to automatically reject messages with a category of anonymous.
    - **Ads Reject**: allows you to automatically reject messages with a category of advertisement.
    - **Report Allowed**: allows messages with a report.
- **Multimedia Message Profile**: you can select a connection profile to be used for sending and receiving Multimedia messages.

- **Current Profile**: allows you to select an option for sending a text message. Choose from the following options:
  - <your Wireless Carrier> MMS
  - Profile 2
  - Profile 3
  - Profile 4
  - Profile 5
- **Profile Settings**
  - <your Wireless Carrier> MMS
  - Profile 2
  - Profile 3
  - Profile 4
  - Profile 5

Broadcast Message*

The following options are available:

- **Read:** allows you to read the first Broad Message displayed. Use the Navigation key to scroll through the messages.
- **Receive**: allows you to enable or disable the reception of broadcast messages.
- **Channel**: allows you to indicate the channels from which you wish to receive broadcast messages. The following options are available:
  - **Disable/Enable**: use to deactivate the channel or to activate the channel for use.
  - **Delete Channel**: use to remove a channel from the list.
  - **Edit**: use to change the ID and title of an existing channel.
  - **Add Channel**: use to enter the ID and title for a new channel.
- **Language**: allows you to select your preferred language in which to display cell broadcast messages.

Please contact your service provider for further details.

Memory Status

You can check the amount of the memory being used and the memory remaining for multimedia messages.

The display shows the total space including the used and free space. You can also view how much space is currently occupied by each message box.

Section 8: Changing Your Settings

Topics Covered

- Sound Settings
- Display Settings
- Time & Date Settings
- Phone Settings
- Network Services Settings
- Bluetooth Settings
- Security Settings
- Reset Settings

This section explains the sound and phone settings for your phone. It includes display settings, security settings, and extra settings associated with your phone.

Sound Settings

You can customize various sound settings.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** and press the **Select** soft key or the *i* key.
3. Select **Sound Settings** and press the **Select** soft key or the *i* key. The following options are available. Use the **Down** Navigation key to scroll to and set options:

Incoming Calls

This menu allows you to make a selection from the following categories:

- **Get Ringtones**: allows you to access the internet to shop for a new ringtone.
- **Default Ringtones**: allows you to select from the preloaded ringtones.
- **Downloaded Ringtones**: allows you to select from ringtones you have downloaded from the internet.
- **Ring Volume**: allows you to set the volume for your ringer to sound when receiving an incoming call.
- **Alert Type** : allows you to set the alert default. Choose from Melody, Vibration, Vibration Then Melody, or Vibration And Melody.

Press the **Up** or **Down** Navigation key to make selection. Press the **Select** soft key or the *i* key to save changes.

Keypad Tone

This menu allows you to select the tone and volume when you press the keypad.

1. Use the Navigation keys to select from Off, DTMF, or Beep.
2. Use the Navigation keys to increase or decrease the Volume.

Message Tone

This menu allows you to select how the phone informs you that a new Text Message or Multimedia Message has been received.

For each message tone, the following options are available:
• **Tone**: you can select a message tone.
• **Alert Type**: you can select a type of message alert.
   • **Silent**: the phone does not use an Message tone.
   • **Tone**: the phone sounds the selected message tone.
   • **Vibration**: the phone vibrates.
   • **Vibration Then Tone**: the phone vibrates then plays the Message Tone.
• **Repetition**: you can select how often the phone informs you of a new message.
   • **Once**: the phone alerts you to a new message just once at the time of its receipt.
   • **Periodic**: the phone alerts you periodically until you open the message.

Press the **Up** or **Down** Navigation key to make selection. Press the **Select** soft key or the *i* key to save changes.

Power On/Off

This menu allows you to enable/disable the melody that the phone sounds when it is switched on and off.

Press the **Up** or **Down** Navigation key to make selection. Press the **Select** soft key or the *i* key to save changes.

To turn off the sound, select **Off**.

Quiet Mode

This menu item allows you to select what mode your phone will go in when you press and hold the ▱ key. You can choose Vibration All or Silent All.

When **Vibration All** is selected, your phone will only vibrate.

When **Silent All** is selected, your phone will not make a sound or vibrate.

Press the **Up** or **Down** Navigation key to make selection

Press the **Select** soft key or the *i* key to save changes

Extra Tone

You can customize additional tones for the phone.

1. To turn a given tone on, press the *i* key. A check mark displays in front of the option.

2. To turn a given tone off, press the *i* key. The check mark no longer displays in front of the option.

The following options are available:

- **Minute Minder**: sets whether or not the phone beeps every minute during a call to keep you informed of the length of your call.
- **Connect Tone**: sets whether or not the phone to beep when your call is connected to the system.
- **Alerts on Call**: This menu allows you to choose whether or not the phone informs you when you receive a new message or when the time for an alarm comes during a call.
- **Indicative Tones**: sets whether or not the phone plays tone to inform you when you have completed the function.

Display Settings

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

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Settings** and press the **Select** soft key or the *i* key.

3. Select **Display Settings** and press the **Select** soft key or the *i* key.

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

Wallpaper

The wallpaper menu allows you to select from a list of **Default Wallpapers**, **Downloaded Graphics**, **Get Graphics, My Photos** and to set the text position and text color for the main display. For the front display, you can update the clock time, enter or changed the cover title, and select from a list of preloaded wallpaper images.

1. Highlight **Wallpaper** and press the **Select** soft key or the *i* key.

2. Choose from **Main LCD** or **Front LCD** and press the **Select** soft key or the *i* key.

Main LCD

- **Get Graphics**: connects you to the internet to download graphics.
- **Default Wallpapers**: allows you to select from the preloaded wallpapers. User the **Left** or **Right** navigation keys to view all wallpaper. Press the **Select** soft key or the *i* key to make your selection.
- **Downloaded Graphics**: allows you to choose from the graphics you have downloaded to your phone. Press the **Select** soft key or the *i* key to make your selection.
- **My Photos**: allows you to select a wallpaper from the photos you have taken and saved to your phone. View the photo and press the **Options** soft key. Highlight **Set as Wallpaper** and press the **Select** soft key or the *i* key to make your selection.
- **Text Display**: enable or disable the text displayed in Idle mode**.** Press the **Up** or **Down** Navigation keys to make your selection. Choose from **On** or **Off**. Press the **Select** soft key or the *i* key to make your selection.
- **Text Color**: allows you to select the color of the text to be displayed on the Idle screen. Press the **Up** or **Down** Navigation keys to make your selection. Press the **Select** soft key or the *i* key to make your selection.

Front LCD

- **Clock**: connects you the internet and sets the clock time.
- **Cover Title:** shows the title displayed on your handset. This text can be changed by the user. Press the **Save** soft key or the *i* key to save selection.
- **Wallpaper Images**: allows you to select from the preloaded images on your phone. Use the **Left** and **Right** navigation keys to move through the selections. Press the **Select** soft key or the *i* key to save selection.

Skin

You can select the color of the menus displayed. You can choose from pattern 1 or 2. Press the **Select** soft key or the *i* key to save selection.

Brightness

You can adjust the display brightness for the LCD to see it better in different lighting conditions.

Press the **Left** or **Right** Navigation key or press the **Volume** keys to adjust the brightness. Press the **Select** soft key or the *i* key to save selection.

Front LCD Contrast

You can adjust the display brightness for the Front LCD to see it better in different lighting conditions.

Press the **Left** or **Right** Navigation key or press the **Volume** keys to adjust the brightness. Press the **Select** soft key or the *i* key to save selection.

Backlight

In this menu, you can select the length of time for the Main LCD backlight and the Main LCD Dim.

- **On**: Settings available are: 15 seconds, 30 seconds, 1 minute, 3 minutes, and 10 minutes. Press the **Select** soft key or the *i* key to save selection.
- **Dim**: Settings available are: 15 seconds, 30 seconds, 1 minute, 3 minutes, and Off. Press the **Select** soft key or the *i* key to save selection.

Dialing Display

In this menu, you can select the dialing font color. Choose **Black** or **Rainbow**. Press the **Select** soft key or the *i* key to save selection.

Front LCD

This menu allows you to enable/disable the Front LCD display. Use the **Up** or **Down** Navigation keys to choose between **Off** or **On**. Press the **Select** soft key or the *i* key to save selection.

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. See "World Time" on page 82.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** and press the **Select** soft key or the *i* key.
3. Select **Time & Date** and press the **Select** soft key or the *i* key.

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

- **Set Time**: allows you to enter the current time using your keypad. Press the **Set** soft key to save. Use the **Up** or **Down** Navigation key to select **AM** or **PM**. Press the **Select** soft key or the *i* key to save selection.
- **Set Date**: allows you to enter the current date using your keypad. Press the **Set** soft key to save.
- **Time Format**: allows you to change the time format to 12 hours or 24 hours. Use the **Up** or **Down** Navigation key to select **Time Format**. Press the **Select** soft key to save.

- **Auto Update**: allows you to receive time information from your service provider's network. Use the **Up** or **Down** Navigation key to set **Auto UpDate**.
  - **Off**: you need to manually set the time and date according to the current time zone using the Set time menu.
  - **On**: the phone automatically updates the time and date according to the current time zone using the network service.
  - **Confirm First**: the phone asks for a confirmation before the update.
4. Press the **Select** soft key or the *i* to save your Time & Date settings.

Note: Automatic updates of time and date does not change the time you have set for alarm settings or calendar memos.

Phone Settings

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

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** and press the **Select** soft key or the *i* key.
3. Using the **Up** or **Down** Navigation key highlight **Phone Settings** and press the **Select** soft key or the *i* key. The following options are available:

Language

You can select a display language. You can set the **Text Language** or the **Input Mode**. When the language option is set to **Automatic**, the language is automatically selected according to the language of the SIM card used.

The **Input Mode** sets the language used when entering text into the phone.

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

Press the **Select** soft key or the *i* key to save selection.

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 "Entering Text" on page 35.

Extra Settings

You can turn the automatic redialing or answering features on or off.

1. To turn a feature on, press the *i* key. A check mark displays in front of the option.

2. To turn a feature off, press the 𝒊 key. The check mark no longer displays.

3. Press the **Back** soft key to save changes.

The following options are available:

Note: The interval between call attempts varies.

- **Auto Redial**: when this option is checked, the phone makes up to ten attempts to redial a phone number after an unsuccessful call.
- **Anykey Answer**: when this option is checked, you can answer an incoming call by pressing any key, except the 📞 key or the **Reject** soft key. To reject the call, press the 📞 key or the **Reject** soft key. When this option is unchecked, you must press the 📞 key or **Accept** soft key to answer a call.
- **Open to Answer**: when this option is checked, you can simply open the phone to answer a call. When it is unchecked, you must open the phone and press a key to answer a call, depending on the setting of the Anykey Answer option.

TTY Settings*

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 via a telephone.

Use the following steps to access the TTY settings:

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Settings** and press the **Select** soft key or the 𝒊 key.

3. Press 🔲 (this will **not** be shown in the menu) and then highlight the enable selection. Key in the password:
   4-T-T-Y (4889) and press the **OK** soft key.

   The following options are available:
   - **Disable**: CTM is not available for use.
   - **Enable**: CTM is active and TTY is available for use.

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

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

Network Services

The Network Service Settings allows you to manage the settings associated with your calls.

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Settings** and press the **Select** soft key or the *i* key.

3. Select **Network Services** and press the **Select** soft key or the *i* key.

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

Call Forwarding

This network service enables incoming calls to be rerouted to the number that you specify.

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

To set your call forwarding options:

1. From the Network Services menu, select **Call Forwarding**.

2. Select a call forwarding option by pressing the **Up** or **Down** key and then press the **Select** soft key or the *i* key.

The following options are available:

• **Forward Always**: allows you to forward **Voice Calls** and **Data Calls**. Press the **Select** soft key and press the **Activate** and enter the forwarding number. To deactivate, follow the same steps and press the **Deactivate** soft key.

• **Busy**: allows you to forward **Voice Calls** and **Data Calls** to the designated number instead of your voice mail number if you are on another phone call.

• **No Reply**: allows youto forward **Voice Calls** and **Data Calls** 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, and 30 seconds).

• **Unavailable**: 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 Calls**, by pressing the **Up** or **Down** key, and then press the **Select** soft key or the *i* key.

4. Using the **Left** or **Right** Navigation key select **Activate**.

   Select **Deactivate** to turn off call forwarding.

5. Scroll to **Divert To**, enter or change the number to be called.

   To enter an international code, press 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 and/or data calls.

To set your call waiting options:

1. From the Network Services menu screen, select **Call Waiting**.

2. Select the call type, **Voice Calls** or **Data Calls**, to which the call waiting option is to be applied by pressing the **Up** or **Down** Navigation key and then press the **Select** soft key or the *i* key.

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

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

3. Using the **Up** or **Down** Navigation key you can **Activate** or **Deactivate** the call waiting feature respectively.

4. Press the **Select** soft key to apply selection.

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 indicate to automatically or manually select the network to be used when roaming:

1. From the Network Services menu screen, select **Network Selection**.

2. Press the **Up** or **Down** key until the appropriate option highlights, then press the **OK** soft key or the *i* 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 **OK** soft key or the 𝒊 key.

   The phone will scan for that network and you will be connected.

Caller ID

You can prevent your phone number from being displayed on the phone of the person being called.

Note: Some networks do not allow you to change this setting.

The following options are available:
- **Set by Network**: the default setting provided by the network is used.
- **Hide Number**: your number does not display on the other person's phone.
- **Show Number**: your number is sent each time you make a call.

Press the **Select** soft key to apply changes.

Band Selection

You can select which GSM bands of frequencies your phone will use and respond to.

The following options are available:
- **GSM 850/1900**
- **GSM 900/1800**
- **Automatic**: your phone searches for and responds to the network, automatically selecting the compatible GSM band.

Press the **Select** soft key to apply changes.

Bluetooth

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

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

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

Turn Bluetooth On/Off

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

My Headsets

This menu provides a list of Bluetooth wireless technology devices discovered by your handset.

1. Highlight **My Headsets** and press the **Select** soft key or the *i* key.

2. To search for the Bluetooth device(s), highlight **Search New Headset** and press the **Select** soft key or the *i* key.

Connecting to a Bluetooth Device

From the Device list,

1. Highlight the device and press the **Select** soft key or the *i* key.

2. Enter the PIN for the device.
   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.

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

---

3. Press the **OK** soft key or the *i* key.

4. If you are unable to pair with the device a popup appears in the display. Press the **Yes** soft key to retry.

Bluetooth Services

Actually, the Bluetooth specification is a protocol that describes how the short-range wireless technology works, whereas individual profiles describe the services supported by individual devices. Profiles reduce the chance that different devices will not work together.

Your phone supports the following profile services:
• **Headset**: enables outgoing and incoming calls.
• **Handsfree**: the remote carkit enables outgoing and incoming calls.

Security

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

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

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Settings** and press the **Select** soft key or the *i* key.

3. Select **Security** and press the **Select** soft key or the *i* key.

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

PIN Check

When the PIN Check feature is enabled, you must enter your PIN each time you switch on the phone. Consequently, any person who does not have your PIN cannot use your phone without your approval.

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

The following options are available:
- **Disable**: the phone connects directly to the network when you switch it on.
- **Enable**: you must enter the PIN each time the phone is switched on.

Change PIN

This feature allows you to change your current PIN, provided that the PIN Check feature is enabled. 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.

Phone Lock

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 password is preset to "00000000" at the factory. To change the phone password, see "Change Password" on page 67.

Once the correct password has been entered, you can use the phone until you switch it off.

The following options are available:
- **Disable**: you are not asked to enter the phone password when you switch on the phone.
- **Enable**: you are required to enter the phone password when you switch on the phone.

Change Password

The Change 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.

The password is preset to "00000000" at the factory. Once you have entered a new password, you are asked to confirm it by entering it again.

Lock Applications

Using this menu, you can lock the following categories:
- Lock All
- Contacts
- Recent Calls
- Text Message
- Multimedia Message
- My Photos
- Downloaded Graphics
- Audio

Once you have locked the contents, you must enter the phone's password to access the associated menus.

The password is preset to "00000000" at the factory.

SIM Lock

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.

Once you have entered the lock code, you are asked to confirm your password. Reenter your password and press the **OK** soft key.

FDN Mode

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.

The following options are available:
- **Disable**: you can call any number.
- **Enable**: you can only call phone numbers stored in Phone book. You must enter your PIN2. The following options are available:
    - Full length entries or wild cards can be entered in to the FDN list.
    - A full length number with a specific contact name can be entered into the FDN list.

- Wildcard entries allow a range of numbers to be dialed with a single entry: ex. 555 – All dialed numbers that begin with 555 will be allowed. Numbers that do not match the conditions in the FDN list will be restricted. Note: Entering an asterisk (*) is not required for wild card entries.

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

Change PIN2

The Change PIN2 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 does not display.

Reset Settings

You can easily reset your phone to its default settings. To reset your phone:

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Settings** and highlight **Reset Settings**. Press the **Select** soft key or the *i* key.

3. Choose from the following:
    - All
    - Phone Settings
    - Display Settings
    - Sound Settings

4. Press the *i* key to make your selection and press the **Reset** soft key.

5. At the **Reset Settings?** prompt, Press the **Yes** soft key to reset, or the **No** soft key to cancel.

6. Enter the 4 to 8-digit password and press the **OK** soft key or the *i* key.

Tip: The password is preset to "00000000". To change this password, see "Change Password" on page 67.

Section 9: Personal Assistant

Topics Covered

- Audio
- Graphics
- Delete
- Memory Status
- Games
- Camera
- Applications

The topics covered in this section are audio, graphics, games, calendar, schedule events, set an alarm, and perform simple math calculations.

Audio

The Audio menu option allows you to shop tones using the WAP browser. You can download, record new, and save to your Downloaded Ringtones folder. To access the Audio menu option, use the following steps:

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Use the **Navigation** keys to highlight **File Manager** and press the **Select** soft key or the *i* key. **Audio** is highlighted, press the **Select** soft key or the *i* key.

3. Highlight the **Get Ringtones** menu option to launch the WAP browser and select a file to download. Follow the on-screen options. The files downloaded will be stored in the **Downloaded Ringtones** folder.

4. Highlight **Default Ringtones** to select from the pre-loaded ringtones on your phone. Press the **Select** soft key to save the setting.

5. Highlight the **Record Audio** option and press the **Select** soft key or the *i* key.

6. Highlight the **Record** option and press the **Select** soft key or the *i* key to record a personal audio file. After recording, press the **Options** soft key to perform the following:
   - **Send**: sends the audio using MMS.

- **Rename**: allows you to rename the recorded audio file.
- **Delete**: deletes the selected (or all) audio file(s).
- **Properties**: shows the name, size, and format.

Record Audio Settings

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Use the **Navigation** keys to highlight **File Manager** and press the **Select** soft key or the _**i**_ key. **Audio** is highlighted, press the **Select** soft key or the _**i**_ key.

3. Highlight the **Record Audio** option and press the **Select** soft key or the _**i**_ key.

4. Highlight the **Settings** option and press the **Select** soft key or the _**i**_ key to access the following:

   - **Recording Time**: lets you limit recordings for inclusion in multimedia messages.
   - **Volume**: lets you set the recording volume.
   - **Default Name**: lets you enter text characters that will begin recorded audio file names.

Graphics

The **Graphics** menu option allows you to shop graphics using the WAP browser. You can download new, and save to your Downloaded Graphics folder. To access the Graphics menu option, use the following steps:

1. In Idle mode, press the **Menu** ⬚•• soft key to access Menu mode.

2. Use the **Navigation** keys to highlight **File Nanager** and press the **Select** soft key or the _**i**_ key.

3. Highlight **Graphics** and press the **Select** soft key or the _**i**_ key.

4. Highlight **Get Graphics** menu option and press the **Select** soft key or the _**i**_ key to launch the WAP browser and select a file to download. Follow the on-screen options. The files downloaded will be stored in the **Downloaded Graphics** folder.

5. Highlight **Default Wallpapers** to select from the pre-loaded wallpaper on your phone. Press the **Select** soft key to set the wallpaper selection.

6. Highlight **My Photos** to acces the photos you have taken with your phone. Press the **Select** soft key to access list of photos. Press the **Options** soft key to access the following options:

   - **Send**: allows you to send the photo.
   - **Rename**: allows you to rename the photo.

- **Delete**: allows you to delete the photo.
- **Set as Wallpaper**: allows you to set the photo selected as your wallpaper.
- **Set as Caller ID**: allows you to set the photo to a selected contact for their Caller ID.
- **Lock**: allows you to lock the photo and prevent deletion.
- **Properties**: shows the file name, file size, date, resolution, protection, and format.

Delete

The Delete menu option allows you to delete audio and graphics files that you have recorded or taken, or audio or graphic files that you have downloaded. To access the **Delete** option, use the following steps:

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Use the **Navigation** keys to highlight **File Manager** and press the **Select** soft key or the *i* key.

3. Highlight the **Delete** menu option and press the **Select** soft key. Use the **Up** or **Down** Navigation key to select **Audio** or **Graphics**.

4. Use the *i* key to mark the folder(s) you wish to delete. Press the **Delete** soft key. At the confirm "**Delete?**" pop-up screen press the **Yes** soft key to delete or the **No** soft key to cancel.

Memory Status

The Memory Status menu option allows you to view the usage and available memory for File Manager: Graphics (downloaded and photos), Audio (downloaded and recorded0, Games, and Multimedia Message (Used/Total) memory status for your text messages. To access the **Memory Status** option, use the following steps:

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Use the **Navigation** keys to highlight **File Manager** and press the **Select** soft key or the *i* key.

3. Highlight the **Memory Status** menu option and press the **Select** soft key. Use the **Left** or **Right** Navigation key to cycle throught the available categories.

4. Press the **Back** soft key to return to the **File Manager** menu.

Games

The **Games** menu option allows you to get games using the WAP browser. You can download new, and save to the **My Games** folder. To access the **Games** menu option, use the following steps:

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Use the **Navigation** keys to highlight **Games** and press the **Select** soft key or the *i* key.

3. Highlight the **Get Games** menu option to launch the WAP browser and select a file to download. Follow the on-screen options. The files downloaded will be stored in the **My Games** folder.

4. To access a pre-installed game, highlight **My Games** and press the *i* key. Select a game and press the *i* key.

Camera

Taking Photos

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

1. In Idle mode, press the ▮ key to turn on the camera.

   Alternatively, in Idle mode, press the **Menu** soft key to access Menu mode. Use the **Navigation** keys to highlight **Camera** and press the **Select** soft key or the *i* key. Highlight **Take Photos** and press the **Select** soft key or the *i* key.

2. Adjust the image by aiming the camera at the subject.

3. Press the *i* key to take the photo.

Note: Your camera produces photos in JPEG format.

4. Or before taking the photo, press the **Options** soft key to access camera options.

Camera Options

- **Shooting Mode**: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top right of the display.
  - **Take and Review**: allows you to take a photo and view it before returning to the shooting mode. Press the **Options** soft key to view the following options:
    - **Take Another**: launches the viewfinder and allows you to take another photo.
    - **Send**: allows you to send the photo in an MMS message.
    - **Set as Wallpaper**: allows you to set the photo as your wallpaper.
    - **Set as Caller ID**: allows you to set the photo as a Caller ID for a contact.
    - **Delete**: allows you to delete the photo you have taken.
    - **Rename**: allows you to rename the photo.
    - **Go to My Photos**: allows you to view photos you have previously taken.

- **Lock**: allows you to lock the photo to prevent deletion.
- **Properties**: allows you to view the properties for this photo.
- **Take and Return**: allows you to take a photo and return to the viewfinder to take another photo.

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

- **Off**: automatically adjust the picture for the best quality available.
- **Gray**: removes all color and display the picture as black and white.
- **Negative**: changes the image to a negative image display.
- **Sepia**: adds a sepia tint to the picture. This is the common orange tint that was popular in early photography.
- **Emboss**: changes to reflect raised images.
- **Sketch**: changes the image to appear like a sketch drawing.

• **Timer**: allows you to set a time delay before the camera takes the photo.

- Off
- 3 Seconds
- 5 Seconds
- 10 Seconds

• **Go to My Photos**: allows you to view the photos you have previously taken. Press the **View** soft key to view the highlighted photo, or the **Options** soft key to select from the options listed.

• **Settings**: allows you to customize your camera settings. Choose the following options:

- **Photo Size**: allows you to set the image size. The icon for the selected image size appears on the capture screen
- **Photo Quality**: allows you to select the picture quality setting. Choose from **Super Fine**, **Fine**, or **Normal**.
- **Viewfinder**: allows you to choose between **Full screen** & **Actual Screen**.
- **Shutter Sound**: allows you to select a shutter tone sound when taking a photo.
- **Default Name**: allows you to set a default name for the photos taken on your phone.
- **Scene Programs**: allows you to set the lighting for the photos. Choose **Normal** or **Night Scene**.

• **Camera Shortcuts**: allows you to see the shortcut keys associated when using the camera.

5. Press the **Back** soft key to return to the picture viewer.

6. You can use the keypad to quickly change the camera options using the camera shortcut keys.

Camera Shortcuts

Shortcut keys, allows you to change options using your keypad, Navigation keys, and Volume key in capture mode. The following options are available.

- *i*   takes photo.
- ◉ adjust the image brightness.
- ◉ zooms in or out.
- ▲   flips the image vertically.
- ▼   flips the image horizontally.
- 1∞ switches to full screen/standard screen.
- 2abc changes the image size.
- 3def changes the image quality.
- 4ghi changes the camera shooting mode.
- 5 jkl changes the color tone of the photo.
- 6mno launches the Settings menu to change the Photo Size, Photo Quality, Viewfinder, Shutter Sound, Default Name, and Scene Programs.
- 7pqrs launches the help screen and displays camera shortcut keys.
- 8tuv sets a time delay (Off, 3, 5, or 10 seconds).
- 9wxyz switches to the Photo Album.

Camera Options after a Photo is Taken

After you have taken a photo, you can use various options by pressing the **Options** soft key. Highlight an option and press the **Select** soft key or the *i* key. The following options are available:

- **Take Another**: launches the viewfinder and allows you to take another photo.
- **Send**: allows you to send the photo in an MMS message.
- **Set as Wallpaper**: allows you to set the photo as your wallpaper.
- **Set as Caller ID**: allows you to set the photo as a Caller ID for a contact.
- **Delete**: allows you to delete the photo you have taken.
- **Rename**: allows you to rename the photo.
- **Go to My Photos**: allows you to view photos you have previously taken.

- **Lock**: allows you to lock the photo to prevent deletion.
- **Properties**: allows you to view the properties for this photo.

Accessing the Photos Folder

1. In Idle mode, press the **Menu** ••• soft key to access Menu mode.

2. Use the **Navigation** keys to highlight **File Manager** and press the **Select** soft key or the *i* key.

3. Highlight **Graphics** and press the **Select** soft key or the *i* key.

4. Use the **Up** or **Down** Navigation key to select the **My Photos** folder press the **Select** soft key or the *i* key.

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 is limited to free memory space available.

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **File Manager** and press the **Select** soft key or the *i* key.

3. Highlight **Audio** and press the **Select** soft key or the *i* key.

4. Highlight **Record Audio** and press the **Select** soft key or the *i* key.

5. **Record** is highlighted, press the **Select** soft key. To start recording, press the **Select** soft key. Record a memo by speaking into the microphone.

6. Press the *i* to stop the recording.

   If the recording time expires, the message is automatically saved. Press the **Options** soft key to display the following options:

   - **Send**: allows you to send your memo to other people by using MMS.
   - **Rename**: allows you to change the memo's name.
   - **Delete**: allows you to delete the memo.
   - **Properties**: displays the Name, Size, and Format of the voice memo.

7. To exit, press the **Back** soft key or the ☎ key.

Recorded Audio

This menu shows a list of saved voice memos. When a voice memo is recorded and saved, it is stored in the Recorded Audio folder. To access this menu use the following steps:

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **File Manager** and press the **Select** soft key or the *i* key.

3. Highlight **Audio** and press the **Select** soft key or the *i* key.

4. Highlight **Recorded Audio** and press the **Select** soft key.

5. A list of voice memos displays. To play a recording, press the **Select** soft key.

6. To exit, press the **Back** soft key or the 🔚 key.

Applications

The **Applications** menu includes the alarms, calendar, calculator, converter, timer, world time clock, and stopwatch. To access this menu, use the following steps:

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **Applications** and press the **Select** soft key or the *i* key.

The following menu items are displayed.

Alarm

This feature allows you to:
- set the alarm to ring at a specific time.
- set the phone to switch on automatically and ring the alarm even if the phone is switched off.

To set the alarm:

1. In Idle mode, press the **Menu** soft key to access the menu mode.

2. Select **Applications** and press the **Select** soft key or the *i* key.

3. Highlight **Alarm** and press the **Select** soft key or the *i* key. The following options display:
   - **Wake-up Call**: the alarm rings to wake you up at the specified time.
   - **Alarm 1**: primary alarm setting.
   - **Alarm 2**: secondary alarm setting.
   - **Auto Power**: the alarm rings even when the phone is turned off.

4. Select an alarm type and press the **Options** soft key or the *i* key. Set the following options:
   - **Alarm Day**: use the Up or Down Navigation key to set the day(s) you wish your alarm to sound. Press the **Save** soft key to save your settings.

Note: Your phone is preset to a 12-hour format. To change the time format, see "Time & Date" on page 59.

- **Alarm Time**: use the alphanumeric keypad enter a time for the alarm to sound.
- **Alarm Tone**: press the **Select** soft key or the *i* key to select a tone.
- **Remove Alarm**: use this option to remove any alarm settings you have made.

5. Press the **Select** soft key to save changes.

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

Note: Press ⌜•••⌟ **Confirm** to turn off the alarm, press **Snooze** ⌜•••⌟ to silence the phone for 5 minutes.

Setting Auto Power Alarms

You can set the phone to ring the alarm when the time for an alarm comes, if the phone is switched off.

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **Applications** and press the **Select** soft key or the *i* key.

3. Highlight **Alarm** and press the **Select** soft key or the *i* key. Select **Auto Power** and press the **Select** soft key.

4. Using the **Up** or **Down** Navigation key, highlight **On** and press the **Select** soft key or the *i* key to activate the Autopower feature.

   If the menu option is set to **Off**, and the phone is switched off at the specified time, the alarm does not ring.

5. When you have finished, press the ☏ key.

Calendar

The calendar feature allows you to view the Month, Week, and Day layout views. You can also create Schedule, Anniversary, and Miscellaneous entries. It also shows any Missed Alarm Events that have occurred. To access the Calender menu, use the following steps:

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **Applications** and press the **Select** soft key or the *i* key.

3. Highlight **Calendar** and press the **Select** soft key or the *i* key.

4. Press the **Options** soft key. Highlight the entry and press the **Select** soft key or the *i* key. Enter text in the **New Memo** screen press **Save**. The following options are available:

Scheduler

To schedule an appointment use the following options:

- **Memo Time**: enter the Memo Time using the keypad and press the **Set** soft key.
- **AM/PM**: use the **Up** or **Down** Navigation key to select AM or PM for the start time of the scheduled event and press the **Select** soft key.

- **Set Alarm?**: allows you to set an alarm for this event. Press **Yes** to set or **No** to skip.
- **Alarm Time**: allows you to enter the time you wish the alarm to sound. Press the **Set** soft key.
- **AM/PM**: use the Up or Down Navigation key to select **AM** or **PM** for the start time of the scheduled event and press the **Select** soft key.
- **Alarm Tone**: allows you to choose from 3 pre-loaded alarm tones. Press the **Set** soft key.

5. When you have finished, press the **Select** soft key.

To Do List

To schedule an event use the following options:

- **Memo Time**: enter the Memo Time using the keypad and press the Set soft key.
- **AM/PM**: use the Up or Down Navigation key to select AM or PM for the start time of the scheduled event and press the Select soft key.
- **Set Alarm?**: allows you to set an alarm for this event. Press Yes to set or No to skip.
- **Alarm Time**: allows you to enter the time you wish the alarm to sound. Press the Set soft key.
- **AM/PM**: use the Up or Down Navigation key to select AM or PM for the start time of the scheduled event and press the Select soft key.
- **Alarm Tone**: allows you to choose from 3 pre-loaded alarm tones. Press the Set soft key.

6. When you have finished, press the **Select** soft key.

Call

To schedule a call, do the follow:

1. Highlight the desired date for the call, then press the **Select** soft key.

2. If needed, add a memo to the selected date, then press the **Exit** soft key.

3. Highlight **Call**, then press the **Select** soft key.

4. Enter the telephone number on the **Call** screen. Press the **OK** soft key.

5. To schedule a call on a specific day use the following options:

- **Memo Time**: enter the Memo Time using the keypad and press the **Set** soft key.
- **AM/PM**: use the Up or Down Navigation key to select **AM** or **PM** for the start time of the scheduled event and press the **Select** soft key.
- **Set Alarm?**: allows you to set an alarm for this event. Press **Yes** to set or **No** to skip.

- **Alarm Time**: allows you to enter the time you wish the alarm to sound. Press the **Set** soft key.
- **AM/PM**: use the Up or Down Navigation key to select **AM** or **PM** for the start time of the scheduled event and press the **Select** soft key.
- **Alarm Tone**: allows you to choose from 3 pre-loaded alarm tones. Press the **Set** soft key.

6. When you have finished, press the **Select** soft key.

Anniversary

To schedule an anniversary use the following options:

- **Set Alarm?**: allows you to set an alarm for this event. Press Yes to set or No to skip.
- **Alarm Time**: enter the Alarm Time using the keypad and press the Set soft key.
- **AM/PM**: use the Up or Down Navigation key to select AM or PM for the start time of the scheduled event and press the Select soft key.
- **Alarm Tone**: allows you to choose from 3 pre-loaded alarm tones. Press the Set soft key.

7. When you have finished, press the **Select** soft key.

Event Options

The following options display when pressing the Options soft key after setting an event.

- **Add**: this option allows you to add additional text to the event.
- **Delete**: this option allows you to delete the event from the calendar.
- **Edit**: this option allows you to edit the event for the selected day.
- **Move**: this option allows you to move the event to another day.
- **Copy**: this option allows you to copy this event to another day.

Viewing an Event

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **Applications** and press the **Select** soft key or the ***i*** key.

3. Highlight **Calendar** and press the **Select** soft key or the ***i*** key.

   The calendar displays with today date highlighted.

4. Select the date of the event (s) you want to view and press the ***i*** key or use the Navigation keys to move to the date with an assigned event.

Note: The icon categories displayed at the bottom display any events scheduled for the day you selected.

The following icons denote events:

1 Scheduler

To Do List

Call

Anniversary

5. Press the **Up** or **Down** Navigation key to scroll to the previous or next event.

6. When you have finished, press the 📞 key.

Task

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **Applications** and press the **Select** soft key or the *i* key. Highlight **Task** and press the **Select** soft key or the *i* key.

3. A list of tasks is displayed. Highlight a task and press the **Select** soft key or the *i* key.

4. Press the **Options** soft key and select from the following options:

    • **Add**: this option allows you to add additional text to the event.
    • **Mark**: this option allows you to mark the task as Done.
    • **Edit**: this option allows you to edit the event for the selected day.
    • **Move**: this option allows you to move the event to another day.
    • **Copy**: this option allows you to copy this event to another day.
    • **Delete**: this option allows you to delete the event from the calendar.
    • **Delete All**: this option allows you to delete all the tasks scheduled.

5. When you have finished, press the **Back** soft key.

Notes

This option allows you to create notes to add to your events.

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **Applications** and press the **Select** soft key or the *i* key.

3. Highlight **Notes** and press the **Select** soft key or the *i* key.

4. A blank New Memo screen displays. Enter your text and press the Save soft key.

5. Enter the category you wish to select and press the **Select** soft key.

Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division.

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **Applications** and press the **Select** soft key or the *i* key.

3. Highlight **Calculator** and press the **Select** soft key or the *i* key.

4. Enter the first number using the numeric keys.

Note: To include a decimal point or a bracket, press the left soft key until the symbol you want displays.

---

5. Enter the operation for your calculation by pressing the Navigation keys, according to the illustration on the display.

6. Enter the second number.

7. To view the result, press the *i* key.

Converter

The conversion menu provides the following conversion categories:
- Length
- Weight
- Volume
- Area
- Temperature

Timer

You can use this menu to set a countdown timer. To enable the Timer, use the following options:

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **Applications** and press the **Select** soft key or the *i* key.

3. Highlight **Timer** and press the **Select** soft key or the *i* key.

4. Press the **Set** soft key to enter the length of time.

5. Enter the time and press the **Set** soft key.

6. Press the *i* key to start the timer. Press the *i* key to stop the timer.

Stopwatch

You can use this menu to measure intervals of time for 4 separate times. Press the *i* key to start the stopwatch. Press the *i* to stop the stopwatch. Press the **Reset** soft key to erase all times recorded.

World Time

World Time allows you to view the time of day or night in another parts of the world. World displays time in the 24 different time zones around the world.

1. In Idle mode, press the **Menu** soft key to access menu mode.

2. Select **Applications** and press the **Select** soft key or the *i* key.

3. Highlight **World Time** and press the **Select** soft key or the *i* key.

4. Press **Set** soft key or the *i* key to set the city or area as the new Local time zone. The displayed times will shift to reflect the time zone selected.

   You can also press the **Set** soft key or the *i* key to set the DST (Daylight Savings Time) setting to match the Local time zone selected.

5. Use the **Left** or **Right** Navigation keys to browse cities and times.

Section 10: WAP

Topics Covered

- Launching the WAP Browser
- Accessing a WAP Site
- Navigating the WAP Browser
- Using Favorites
- Clearing the Cache

Your phone is equipped with a WAP (Wireless Application Protocol) browser which 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 the **𝒊** key to launch the WAP browser. You can also press the **Menu** soft key to access menu mode and highlight **Internet** and press the **Select** soft key or the **𝒊** key.

2. Select **Home** and press the **Select** soft key or the **𝒊** 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.

3. To scroll through the screen, use the **Up** and **Down** navigation keys.

4. 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 folder; use the Bookmarks option on the browser menu list or Favorites menu.
- Entering a URL address manually; use the Go to URL option on the browser menu list.

Navigating the WAP Browser

1. To scroll through browser items, press the **Up** or **Down** Navigation keys.

2. To select a browser item, press the **ℤ** key or press the **Options** soft key and choose **Select**.

3. To return to the previous page, press the ⬡ key, or press the **Options** soft key and choose **Back.**

4. To access the browser menu list, press the **Menu** soft key.

5. To return to the start-up homepage, press the **Menu** soft key and select the **Home** option.

Entering Text in the WAP Browser

When you are prompted to enter text, the currently active text input mode is indicated on the screen. To change the text input mode, press the **ℤ** key one or more times.

The following modes are available:

Upper-Case Alphabet Mode (A): allows you to enter upper-case characters.

Lower-Case Alphabet Mode (a): allows you to enter lower-case characters.

Note: You can enter symbols in upper or lower case alphabet mode by pressing the 1 key.

T9 Mode (T9): allows you to enter characters by pressing one key per letter. In this mode, you can use only the **0** key to display alternative words. To change case, press the ***** key.

Number Mode (1): allows you to enter numbers.

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 menu soft key. A menu list displays.

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

The following options are available:

• **Favorites**: shows the bookmarks list. You can bookmark the current page or access previously bookmarked pages.

• **Reload**: reloads the current page.

- **Home**: takes you back at any time to the homepage of the Wireless Web service provider.
- **Go to URL**: allows you to manually enter the URL address of a WAP site. After entering an address, press the **OK** soft key to go there directly.
- **Show URL**: displays the URL address of the page to which you are currently connected. It also enables you to set the current site as the startup homepage.
- **Clear Cache**: deletes the information stored in the cache. The cache stores the most recently accessed pages.
- **Inbox**: allows you to read messages received from a WAP server.
- **Show Images**: shows the image on the current page. Press the **Next** soft key to view the next images.
- **Certificates**: shows the security information when you access the Wireless Web with the secured WAP setting activated.
- **Text Message**: allows you to send messages using the WAP server.

Using Favorites

While navigating the WAP browser, you can bookmark the 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 5-preset URL addresses and store your favorite URL addresses.

Accessing a WAP Site Using Favorites

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Internet** and press the **Select** soft key or the *i* key.
3. Select **Favorites**.
4. Select a bookmark item on the Favorite list.

Storing a URL Address

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Internet** and press the **Select** soft key or the *i* key.
3. Select **Favorites**.
4. Select an **<Empty>** location, and press the **Select** soft key.
5. Enter the name and address and press the **Save** soft key or *i* key.
6. When you have finished, press the 🔚 key.

Editing a Bookmark

1. From the **Favorites** list, select the bookmark you want to change.

2. Select **Options** and select **Edit**.

3. Change the address and the name, as you would when storing a new one.

4. Press the **Save** soft key.

5. When you have finished, press the 🔚 key.

Deleting a Bookmark

1. From the Favorites list, select the bookmark you want to delete.

2. Select **Options** and select **Delete**.

3. Use the Navigation key to choose from **Selected**. Press the **Select** soft key.

4. Press the **Yes** soft key or the *i* key to confirm the deletion.

5. When you have finished, 🔄 press the *i* key.

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 the **Menu** soft key to access Menu mode.

2. Highlight **Internet** and press the **Select** soft key or the *i* key.

3. Select **Clear Cache**.

4. Press the **Yes** soft key or the *i* key to confirm the deletion.

5. When you have finished, press the 🔄 key.

Changing the WAP Profiles

You can set up server profiles for the WAP browser.

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Internet**. Highlight **Browser Profiles** and press the **Select** soft key or the *i* key.

3. Highlight **Profile Settings** and press the **Select** soft key or the *i* key.

4. Select the profile you want.
   For each profile, the following options are available:

   • **Profile Name**: enter a name that you wish 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 ⬚c⬚ key and enter your own choice.
   • **Proxy use**: place a check in the box to use the proxy server.
   • **GPRS setting**: 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 11: Accessibility

Topics Covered

• TTY Settings

*TTY Settings**

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 via a telephone.

Use the following steps to access the TTY settings:

1. In Idle mode, press the **Menu** soft key to access Menu mode.

2. Select **Settings** and press the **Select** soft key or the *i* key.

3. Press ⌨ (this will **not** be shown in the menu) and then highlight the enable selection. Key in the password:
    4-T-T-Y (4889) and press the **OK** soft key.

    The following options are available:

    • **Disable**: CTM is not available for use.
    • **Enable**: CTM is active and TTY is available for use.

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 12: Health and Safety Information

Topics Covered

- 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

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

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

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

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. Body-worn operations are restricted to Samsung-supplied, approved, or non-Samsung designated accessories that have no metal and must provide at least 1.5 cm separation between the device, including its antenna (whether extended or retracted) and the user's body. Non-compliance with the above restrictions may result in violation of 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:

> Part 22:
> - Head: 1.51 W/Kg.
> - Body-worn: 1.11 W/Kg.
> Part 24:
> - Head: 1.17 W/Kg.
> - Body-worn: 0.513 W/Kg.

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. 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.

UL Certified Travel Adaptor

The Travel Adaptor for this phone has met UL 1310 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 THE U.S.A., 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:

- 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.who.int/peh-emf/en

- World health Organization (WHO):
  http://www.who.int/peh-emf/
- International Commission on Non-Ionizing Radiation Protection:
  http://www.icnirp.de
- National Radiation Protection Board (UK):
  http://www.hpa.org.uk/radiation
- Updated 4/3/2002: US Food and Drug Administration
  http://www.fda.gov/cellphones/

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

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

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.

2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.

3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.

4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergeny number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!

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.wow-com.com

Provided by the Cellular Telecommunications & Internet Association

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.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.
- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

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 requireyou to do so.

Potentially Explosive Environments

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

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

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

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

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

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

Restricting Children's access to your Phone

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

FCC Notice and Cautions

FCC Notice

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

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

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

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

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

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

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

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

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

Understanding How Your Phone Operates

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

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.
- 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.
- 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 performance.
- Speak directly into the phone's receiver.

- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

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

Battery Standby and Talk Time

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

Battery Precautions

- Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Follow battery usage, storage and charging guidelines found in the user's guide.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers,

might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.

- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short- circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

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

- Keep the phone and all its parts and accessories out of the reach of small children's.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

• Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.

• Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.

• Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

• Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.

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

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

• Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.

• Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.

• If your phone has an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.

• If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Section 13: Warranty Information

Topics Covered

- Standard Limited Warranty

Standard Limited Warranty

What is Covered and For How Long?

SAMSUNG TELECOMMUNICATIONS AMERICA, L.P. ("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/ Pouch	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or

approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

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

NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. ALL IMPLIED WARRANTIES AND CONDITIONS THAT MAY ARISE BY OPERATION OF LAW, INCLUDING IF APPLICABLE THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED TO THE SAME DURATION OF TIME AS THE EXPRESS WRITTEN WARRANTY STATED HEREIN. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE, USE, OR MISUSE OF, OR INABILITY TO USE THE PRODUCT OR ARISING DIRECTLY OR INDIRECTLY FROM THE USE OR LOSS OF USE OF THE PRODUCT OR FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL, CONSEQUENTIAL OR SIMILAR DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS, OR FOR DAMAGES ARISING FROM ANY TORT (INCLUDING NEGLIGENCE OR GROSS NEGLIGENCE) OR FAULT COMMITTED BY SAMSUNG, ITS AGENTS OR EMPLOYEES, OR FOR ANY BREACH OF CONTRACT OR FOR ANY CLAIM BROUGHT AGAINST PURCHASER BY ANY OTHER PARTY. SOME STATES/PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE/PROVINCE TO PROVINCE. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT AND STATES PURCHASER'S EXCLUSIVE REMEDY. IF ANY PORTION OF THIS LIMITED WARRANTY IS HELD ILLEGAL OR UNENFORCEABLE BY REASON OF ANY LAW, SUCH PARTIAL ILLEGALITY OR UNENFORCEABILITY SHALL NOT AFFECT THE ENFORCEABILITY FOR THE REMAINDER OF THIS LIMITED WARRANTY WHICH PURCHASER ACKNOWLEDGES IS AND WILL ALWAYS BE CONSTRUED TO BE LIMITED BY ITS TERMS OR AS LIMITED AS THE LAW PERMITS. THE PARTIES UNDERSTAND THAT THE PURCHASER MAY USE THIRD-PARTY SOFTWARE OR EQUIPMENT IN CONJUNCTION WITH THE PRODUCT. SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE OR SUITABILITY OF ANY THIRDPARTY SOFTWARE OR EQUIPMENT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE, INCLUDING THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT. THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR

EQUIPMENT LIE SOLELY WITH THE PURCHASER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT, AS THE CASE MAY BE.

This Limited Warranty allocates risk of Product failure between Purchaser and SAMSUNG, and SAMSUNG's Product pricing reflects this allocation of risk and the limitations of liability contained in this Limited Warranty. The agents, employees, distributors, and dealers of SAMSUNG are not authorized to make modifications to this Limited Warranty, or make additional warranties binding on SAMSUNG. Accordingly, additional statements such as dealer advertising or presentation, whether oral or written, do not constitute warranties by SAMSUNG and should not be relied upon.

Samsung Telecommunications America, L.P.

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG

Phone: 1-888-987-HELP (4357)

Index

U

V

W