

# SGH-x506 Series

P O R T A B L E Q u a d - B A N D

M O B I L E P H O N E

User Guide

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



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# Section 1: Getting Started

## Topics Covered

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

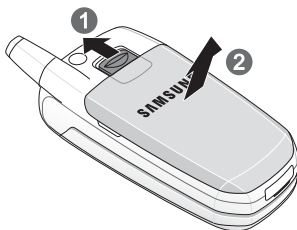
This section describes how to start using your phone by activating your service and setting up your Voice Mail.

## 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 available.

### 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 1) sliding the battery lock up and holding it in position, then 2) lift the battery away, as shown.



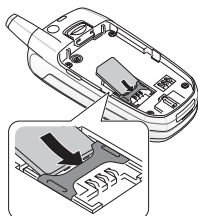
### Installing the SIM Card

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**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 from children.

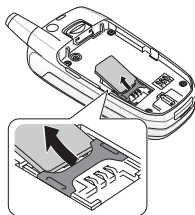
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Make sure the gold contacts of the card face into the phone, then slide the SIM card into the socket.



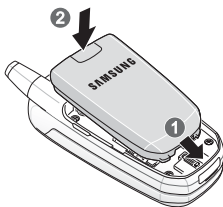
## Removing the SIM Card

To remove the SIM card, slide it away from the cross-bar. 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.



## Charging a Battery

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

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**Note:** You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 2–3 hours. You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

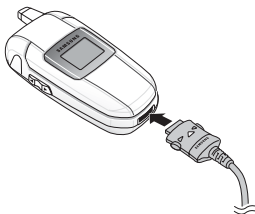
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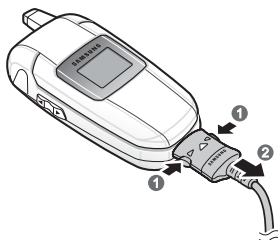
**Note:** For connection to an electrical supply not located in the U.S., you must use an adapter of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

---

1. With the battery in position on the phone, plug the connector of the travel adapter into the jack at the bottom of the phone.



2. Plug the adapter into a standard AC wall outlet. When charging is finished, unplug the adapter 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 adapter before removing the battery from the phone during charging to avoid damage.




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### Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, a warning tone sounds and the “Warning Low Battery” 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 109.
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 108.

The phone searches for your network and after finding it, the Idle screen displays. Now, you can make or receive calls.

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**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 94.

---





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 **Select** soft key or the  key.
3. Highlight **Voice Mail** and press the **Select** soft key or the  key.
4. Highlight **Connect to Voice Mail** and press the **OK** soft key or the  key.
5. **Voice Server** appears in the display.
6. Press the **OK** soft key or the  key to dial your phone specified voice mail number.
7. When connected, follow the voice prompts from the voice mail center.


## Changing the Voice Mail Number

Your SIM card gives you the 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  key.
3. Highlight **Voice Mail** and press the **Select** soft key or the  key.
4. Highlight **Voice Server Number** and press the **OK** soft key or the  key.

5. Highlight **Voice Server** and press the **OK** soft key or the  key.
6. Press the **Edit** soft key to modify the number.

---

**Note:** Pressing the  key takes you directly into Edit mode.

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7. Enter your new Voice Server number and press the **OK** soft key to save.
8. Press the  key to return to **Idle** mode.

## Section 2: Understanding Your Phone

### Topics Covered

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- Features of Your Phone
  - Front Views of Your Phone
  - Internal 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.

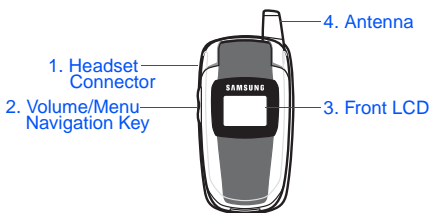
User friendly, menu driven access to features and options.

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

## Front Views of Your Phone

The following illustrations show the main elements of your phone.

### Front Closed View



### Keys

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

1. **Headset Connector** — Allows you to plug in a headset for safe, convenient, hands-free conversations.

- 2. 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.
- 3. 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.
- 4. Antenna** — Used to obtain maximum reception.

## Front Open View



### 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. **Soft key** — Performs the functions indicated by the screen text on the bottom of the display.

3. **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.
4. **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.
5. **Voice Mail key** — Press and hold to automatically dial your Voice Mail.
6. **Asterisk/Shift key** — Enters the [\*] character for calling features. In text mode, press to change the character input type.
7. **Power Interface Connector** — The power interface connector is used to plug in the charging accessories.
8. **Microphone** — The Microphone allows the other callers to hear you clearly when you are speaking to them.
9. **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.
10. **Alphanumeric keypad** — Use these keys to enter numbers, letters and characters.
11. **End 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 your input. When you receive an incoming call, press to reject call.

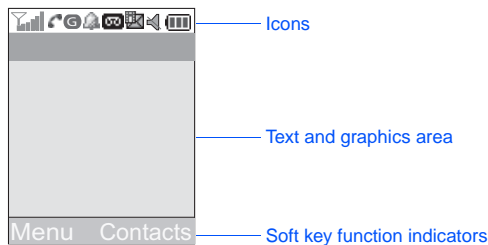
12. **WAP Browser/Menu confirm key** — When navigating through a menu accepts the highlighted choice in the menu. If you press once in Idle mode, the WAP browser will launch.
13. **Navigation key** — This key allows you to scroll through phone menu options and provides a shortcut to phone functions from standby mode.
14. **Earpiece** — The earpiece allows you to hear the other caller.

### 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

-  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 118.
-  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 103.
-  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 Quiet Mode, Silent All is active.
-  Appears when Quiet Mode, Vibration All 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 **OK** soft key or the  key.



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

### Selecting Options

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

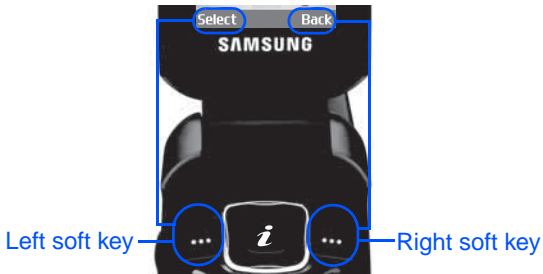
- Press the appropriate soft key.
- To select the function displayed or the option highlighted, press the **Select** soft key or the  key.
- To view the next function or highlight the next option on a list, press the **Down** key or the  key on the left side of the phone.
- To move back to the previous function or option on a list, press the **Up** key or the  key on the left side of the phone.
- To move back up one level in the menu structure, press the **Left** navigation key or 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** (right) soft key  to open your Contacts List.
- 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

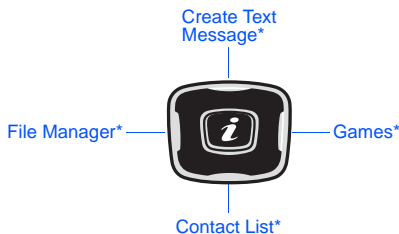
The Send key  is used to answer calls, dial calls, and to recall the last number(s) dialed, received, or missed.

- 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. Press  again to switch back to the other call.



## Navigation Key

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

Each key also acts as a shortcut to launch applications. All navigation keys are setup as **\*User-Defined Shortcut Keys**. To set the shortcut key functions see “Short Cut” on page 94.



## 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 2

## Section 3: Call Functions


### Topics Covered

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- 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 95 for further details.





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## Making an International Call


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

## Correcting a Dialed Number

Use the following steps to correct a mis-typed entry when dialing.

1. After dialing a number
  - To clear the last digit displayed, press the  key.
  - To clear another digit in the number, press the **Left** or **Right** navigation key until the cursor is immediately to the right of the digit to be cleared. Press the  key.
  - To enter a missing digit press the **Left** or **Right** navigation key until the cursor is in position and enter the digit.
  - To clear the whole display, press and hold the  key. The Idle screen displays.
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 List, 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**. **All Calls** is highlighted. Press the  key. Or 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.
2. Use the **Up** and **Down** navigation keys to scroll through the numbers until the number you want highlights.
3. Use the **Left** and **Right** navigation keys to scroll through the Recent Calls options. Choose from **All Calls**, **Missed Calls**, **Calls Made**, **Calls Received**.
4. To dial the number, highlight the number and press the  key.

## Making a Call from the Contacts List

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 List**.

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

For further details about the **Contacts List** feature, see "Finding a Contacts List Entry" on page 54.

## 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 List.

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 **Extra 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 List or menu features. After ending the call, the phone returns to the function screen you were using.


---

## Recent Calls

The phone stores the numbers of the calls you've dialed, received, or missed in the **Recent Calls** menu. If the number or caller is listed in your Contacts List, 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 or the  key. The most recent missed call displays.

---


**Note:** If there is a voice mail 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 or the  key.





2. Press the **Options** soft key and select **Delete**. Press the **Select** soft key, or the **Right** navigation key, or the  key to display a sub-menu.
3. Highlight **Selected**.  
Alternatively, to delete all of the numbers, select **All**.
4. Press the **Select** soft key or the  key to delete the number(s).
5. At the “Delete?” prompt, press the **Yes** soft key to confirm deletion or **No** to cancel.

You can press the  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  key.
3. Use the **Up** and **Down** navigation keys to view the following information:
  - **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.
  - **Reset Volume** — allows you to reset the data volume counters. Enter the password “00000000” and press the **OK** soft key.
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  key.
3. Use the **Up** and **Down** navigation keys to view the following information:
  - **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.

1. In Idle mode, press and hold the  key until the “Vibration All 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.

2. To exit and reactivate the previous sound settings, press and hold the  key again until “Vibration All Deactivated” displays. The  Quiet Mode icon no longer displays.

---

**Note:** Quiet Mode can be set to **Silent All**. See also “Quiet Mode” on page 101 for more information.

---

## 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 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 **Hold** soft key. The call is on hold.
2. You can reactivate the call whenever you want, by pressing the **Retrieve** soft key.

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

1. Enter the phone number that you wish to dial or look it up in the Contacts List.
2. Press the  key to dial the second call. The first call is automatically put on hold.

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 speaker ON/OFF** — Allows you to enable the speakerphone option.
- **Menu** — Access the phone's Menu.
- **Mute** — Silences the microphone for the selected call.
- **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.
- **PhoneBook** — Access the Contacts List for phone information.

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

- **Join** — Joins the calls you have established with your phone.
- **Transfer** — Transfers the call to another number entered.
- **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 **Options** soft key.
2. If necessary, press the **Down** key to highlight the **Mute** option.
3. Press the **Select** soft key or the  key. The other person can no longer hear you.

To switch the microphone back on:

1. Press the **Options** soft key.
2. If necessary, press the **Down** key to highlight the **Unmute** option.
3. Press the **Select** soft key or the  key. The other person can hear you again.

### 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 List

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

1. Press the **Options** soft key.
2. Press the **Down** key to highlight the **PhoneBook** option.
3. Press the **Select** soft key or the  key.

The **Contacts List** entries are listed.


4. If you enter the first few letters of the name, the **Contacts List** entries are listed starting with the first entry matching your input.
5. To view the highlighted entry, press the  key.


For further details about the **Contacts List** feature, see “Finding a Contacts List Entry” on page 54.


## 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  key and select the **End Held Call** option. Press the  key.

To end the current call, press the  key.

## Section 4: Menu Navigation

### Topics Covered

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- Menu Navigation
  - In Use Menu Outline
  - 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  key to enter the menu.
3. If the menu contains sub-menus, **Phone Settings** for example, you can access them by pressing the **Select** soft key or the  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  key to make your selection.
5. To return to the previous menu level, press the **Back** soft key, the  key or the **Left** Navigation 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 Menu can be accessed by pressing the number keys (1 through 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 appear in the display.

## In Use Menu Outline


Your phone includes a standby menu and an In-Use Menu. The In-Use Menu is available when you're on a call.

Press  **Options** while in a call to display the following:

- **Loud speaker ON/OFF** — Allows you to enable the speakerphone option.
- **Menu** — Access the phone's Menu.
- **Mute** — Silences the microphone for the selected call.
- **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.
- **PhoneBook** — Access the Contacts List for phone information.

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

- **Join** — Joins the calls you have established with your phone.
- **Transfer** — Transfers the call to another number entered.
- **End Held Call** — Ends the call that is placed on hold.

When you want to finish, end each call normally by pressing the  key.

## Menu Outline

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

### 1 Recent Calls

- 1.1 All Calls
- 1.2 Missed Calls
- 1.3 Calls Made
- 1.4 Calls Received
- 1.5 Voice Mail
  - 1.5.1 Connect to Voice Mail
    - 1.5.1.1 Voice Server 1
    - 1.5.1.2 Voice Server 2
  - 1.5.2 Voice Server Number
    - 1.5.2.1 Voice Server 1
    - 1.5.2.2 Voice Server 2
- 1.6 Delete All
- 1.7 Call Time
- 1.8 Data Volume
  - 1.8.1 Recent Volume
  - 1.8.2 Total Volume
  - 1.8.3 Reset Volume
- 1.9 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

## 4 Applications

- 4.1 Alarm
- 4.2 Calculator
- 4.3 Record Audio
- 4.4 Converter
  - 4.4.1 Currency
  - 4.4.2 Length
  - 4.4.3 Weight
  - 4.4.4 Volume
  - 4.4.5 Area
  - 4.4.6 Temperature
- 4.5 Timer
- 4.6 Stopwatch
- 4.7 World Time

## 5 Messaging

- 5.1 Create New Message
  - 5.1.1 Text Message
  - 5.1.2 Multimedia Message

- 5.2 My Messages
  - 5.2.1 Inbox
  - 5.2.2 Sent
  - 5.2.3 Outbox
  - 5.2.4 Drafts
  - 5.2.5 My Folders
- 5.3 Templates
- 5.4 Delete All
- 5.5 Settings
  - 5.5.1 Text Message
    - 5.5.1.1 Send Settings
    - 5.5.1.2 Current Profile
    - 5.5.1.3 Text Message Profile
  - 5.5.2 Multimedia Message
    - 5.5.2.1 Send Settings
    - 5.5.2.2 Receive Settings
    - 5.5.2.3 Multimedia Message Profile
  - 5.5.3 Push Message
  - 5.5.4 Broadcast\*
    - 5.5.4.1 Receive\*
    - 5.5.4.2 Channel List\*
    - 5.5.4.3 Language\*
- 5.6 Memory Status

## **6 Calendar**

## **7 File manager**

- 7.1 Audio
  - 7.1.1 Get Ringtones

- 7.1.2 Downloaded Audio
- 7.1.3 Record
- 7.1.4 Recorded Audio
- 7.1.5 Favorite Audio
- 7.2 Graphics
  - 7.2.1 Get Graphics
  - 7.2.2 Downloaded Graphics
  - 7.2.3 Favorite Graphics
- 7.3 Video
  - 7.3.1 Downloaded Video
  - 7.3.2 Favorite Video
- 7.4 Other Files
- 7.5 Memory Status

## 8 Contacts

- 8.1 Contact List
- 8.2 Add New Contact
  - 8.2.1 Phone
  - 8.2.2 SIM
- 8.3 Group
- 8.4 Speed Dial
- 8.5 My Name Card
- 8.6 Own Number\*
- 8.7 Management
  - 8.7.1 Default Saving
  - 8.7.2 Copy All to Phone
  - 8.7.3 Delete All
  - 8.7.4 Memory Status

8.8 Service Number\*

## 9 Settings

- 9.1 Time & Date
- 9.2 Phone Settings
  - 9.2.1 Language
  - 9.2.2 Greeting Message
  - 9.2.3 Short Cut
  - 9.2.4 Extra Settings
- 9.3 Display Settings
  - 9.3.1 Wallpaper
  - 9.3.2 Skin
  - 9.3.3 LCD Brightness
  - 9.3.4 LCD Contrast
    - 9.3.4.1 Main LCD
    - 9.3.4.2 Front LCD
  - 9.3.5 Back Light
  - 9.3.6 Dialing Display
- 9.4 Sound Settings
  - 9.4.1 Incoming Call
  - 9.4.2 Keypad Tone
  - 9.4.3 Message Tone
    - 9.4.3.1 Text Message
    - 9.4.3.2 Multimedia Message
    - 9.4.3.3 Broadcast
  - 9.4.4 Power On/Off
  - 9.4.5 Folder Tone
  - 9.4.6 Quiet Mode

- 9.4.7 Extra Tones
- 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\*
  - 9.5.3 Call Waiting
  - 9.5.4 Network Selection\*
  - 9.5.5 Caller ID
  - 9.5.6 Closed User Group\*
- 9.6 Security
  - 9.6.1 PIN Check
  - 9.6.2 Change PIN
  - 9.6.3 Phone Lock
  - 9.6.4 Change Password
  - 9.6.5 Privacy
  - 9.6.6 SIM Lock
  - 9.6.7 FDN Mode
  - 9.6.8 Change PIN2
- 9.7 Connection Settings
- 9.8 Reset Settings

**\* Shows only if supported by your SIM card.**



Section 4

## Section 5: Entering Text

### Topics Covered

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- Changing the Text Input Mode
  - Using T9 Mode
  - Using ABC 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.

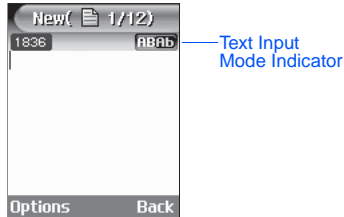
### Numeric Mode


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.




1. To change the text input mode, press the  key.
2. Choose from the following options:

 — AB mode

 — Number mode

 — T9 mode


---

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

---

### Symbol mode

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**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



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 **6** (mno) and **3** (out) 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, **Add** displays. Press the **Add** soft key or the **f** key.
3. Enter the word you want to add using ABC mode.
4. Press the **OK** soft key or the **f** key.

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



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

---

- To enter periods, hyphens, colons, or parenthesis, press the  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  key. Press and hold the  key to clear the display.

## Using ABC Mode

To use the ABC Mode, use the  to  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
-  A B C 2 Ä Å Æ Ç Γ a b c 2 à ä å æ Γ

-  DEF3 É Δ Φ d e f 3 è é Φ
-  GHI4 Θ Ψ g h i 4 ì Ψ
-  JKL5 Λ j k l 5 Λ
-  MNO6 Ñ Ø Ö ö m n o 6 ñ ø ò ö
-  PQRS7 Π Σ Ξ p q r s 7 Β Σ Ξ
-  TUV8 Ü ü t u v 8 ù ü
-  WXYZ9 Ω ω x y z 9 Ω
-  Space + = < > € £ \$ % & ¥ π θ

## Using 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  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 List

### Topics Covered

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

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

## Using Contacts List




### Dialing a Number from Contacts List

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

### Finding a Contacts List 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 List.

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**, press the **Select** soft key or the  key. The Contacts menu appears in the display.
3. Select **Contact List** and press the **Select** soft key or the  key.
4. Enter the first few letters of the name.  
The Contacts List 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 List entry options.

## Using Contacts List Entry Options

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




The following options are available:




- **View** — allows you to view details for the Contacts List entry.
- **Send Message** — allows you to send a text, or multimedia message to the Contacts List entry.
- **Add New Contact** — allows you to add a new entry to the Contacts List. Choose **Phone** or **SIM** storage location.
- **Delete** — allows you to delete the **Selected** or **All** phone book entries.

## 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  key. The Contacts menu appears in the display.
3. Scroll to **Add New Contact** by pressing the **Up** or **Down** key and press the **Select** soft key or the  key.
4. Select **Phone** and press the **Select** soft key or the  key.
5. Enter the information on the **Add New Contact** screen. The following fields are available for input:
  - **First Name** — allows you to enter a first name for the number entered.
  - **Last Name** — allows you to enter a last name for the number entered.




- **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.
- **Email** — allows you to enter an e-mail address for the contact.
- **Graphic** — allows you to assign a caller ID image to the number you have entered. Press the  key to display graphic menu. Choose from the following options:
  - **Downloaded Graphics** — assign a graphic that you have previously downloaded.
  - **Favorite Graphics** — assign a graphic that you have saved to the favorite graphics folder.
  - **Default Graphics** — assign a default (system delivered) graphic.
  - **None** — no graphic assigned to this contact entry.
- **Ringtone** — allows you to assign a melody to the number contact entry. Press the  key to display ringtone menu. Choose from the following:
  - **Default Sounds** — assign a default (system delivered) ringtone.
  - **Downloaded Sounds** — assign a ringtone that you have previously downloaded.
  - **Favorite Sounds** — assign a ringtone graphic that you have saved to the favorite sounds folder.
  - **None** — no sounds are assigned to this contact entry.
- **Group** — allows you to assign an existing or create a new group entry to the number entered. Press the  key to display groups. Press the **Options** soft key to **Select** or **Add** a new group.

- **Memo** — allows you to enter memos associated with the number entered.




---

**Tip:** To change text entry mode press the  key. For further details about how to enter characters, see “Using ABC Mode” on page 51.


---

6. Press the **Save** soft key or the  key to save new contact entry.
7. The **View** screen appears in the display.
8. Press the **Options** soft key to select from the following:
  - **Edit** — allows you to edit the contact information. Press the  key to save.
  - **Send via** — allows you to create a text message, multimedia message.
  - **Delete** — allows you to delete the entry you have selected. Press **Yes** to confirm delete action, or **No** to cancel.
9. 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  key. The Contacts menu appears in the display.
3. Scroll to **Add New Contact** by pressing the **Up** or **Down** key and press the **Select** soft key or the  key.
4. Select **SIM** and press the **Select** soft key or the  key. The **Add New Contact** screen displays.
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 ABC Mode” on page 51.

---






- **Name** — allows you to enter a name for the number entered.

- **Phone Number** — assigns the number entered to the Mobile entry.
- **Location** — allows you to assign a location number on your SIM for the number being entered.

---

**Note:** The Graphic, Alert, and Group options can be set at this point however the information must be saved to the phone and not the SIM.

---

- **Graphic** — allows you to assign a caller ID image to the number you have entered. Press the  key to display graphic menu.
  - **Ringtone** — allows you to assign a melody to the number entered. Press the  key to display ringtone menu.
  - **Group** — allows you to assign an existing or create a new group entry to the number entered. Press the  key to display groups. Press the **Option** soft key to **Select** or **Add** a new group.
6. Press the **Save** soft key to save your entry.
  7. The **View** screen appears in the display.
  8. Press the **Options** soft key to display the following options:
    - **Edit** — allows you to edit the contact information. Press the  key to save.
    - **Send Message** — allows you to send a text message or a multimedia message to this contact.
    - **Copy** — allows you to copy the contact information to the Phone or SIM card.
    - **Send via** — allows you to send a text message or multimedia message to the contact entry.
    - **Delete** — allows you to delete this contact entry information.
  9. 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 **Left** or **Right** navigation key to find other numbers on the list.
3. Press the **Dial** soft key, the **☞** key, or the **☎** key when you have selected the number you want to call.

## Group

### Creating a Group

1. When the Idle screen displays, press the **Menu** soft key.
2. Highlight **Contacts**, press the **Select** soft key or the **☎** key.
3. Scroll to **Group** by pressing the **Up** or **Down** key and press the **Select** soft key or the **☎** key.
4. Press the **Options** soft key, select **Add** and press **Select** soft key.
5. Enter the new group **Name**, **Caller ID** graphic, and **Ringtone**. Press the **Save** soft key.


### 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 **☎** key. The Contacts menu appears in the display.
3. Scroll to **Group** by pressing the **Up** or **Down** key and press the **Select** soft key or the **☎** key.
4. Scroll through the group list by pressing the **Up** or **Down** navigation key.

- When the group you want to edit highlights, press the **Options** soft key. The following options are available:
  - View** — allow you to view all contacts listed under the group.
  - Add** — allows you to add a new group.
  - Edit** — allows you to change the name of the group, an Alert, and assign a graphic ID.  
Use the **Left** or **Right** navigation keys update text.  
Use the **Up** or **Down** navigation keys to select the Caller ID and Ringtone options. Press the **i** key to access the available options.
  - Send Message** — allows you to create a text or multimedia message for the selected Contacts List entry.
  - Delete** — allows you to delete the entry you have selected or all entries. Press **Yes** to confirm delete action, or **No** to cancel.
- When you are finished, press the **Back** key to return to Idle mode.

### Deleting a Caller Group

- When the Idle screen displays, press the **Menu** soft key.
- Highlight **Contacts**, press the **Select** soft key or the **i** key. The Contacts menu appears in the display.
- Scroll to **Group** by pressing the **Up** or **Down** key and press the **Select** soft key or the **i** key.
- Press the **Options** soft key, select **Delete** and press **Select** soft key or the **i** key. The **Delete** sub-menu display.
- Select from the following options:
  - Selected** — deletes selected Group.
  - All** — deletes all Groups listed.
- Select an option and press the **Select** soft key.




7. Press the **Yes** soft key to confirm deletion.
8. When you are finished, press the  key to return to Idle mode.

## Speed Dial

Once you have stored phone numbers from your Contacts List 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  key. The Contacts menu appears in the display.
3. Scroll to **Speed Dial** by pressing the **Up** or **Down** key, press the **Select** soft key or the  key.
4. Select the key in which you wish to assign the speed-dialing number (from the 2 to 9 keys), and press the **Options** soft key or the  key.

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

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5. Choose from the following options:
  - **Add** — allows you to add from the Contact List or FDN List.
  - **Remove** — allows you to remove a speed dial entry.
6. Select **Add** from the Speed Dial options menu and press the **Select** soft key or press the  key. Your **Contact List** appears in the display.


7. Select the entry you would like to add and press the **Select** soft key or the  key.
8. The entry is saved and the name displays in the **Speed Dial** memory location.

### 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  key. The Contacts menu appears in the display.
3. Scroll to **Speed Dial** by pressing the **Up** or **Down** key, press the **Select** soft key or the  key.
4. Select the memory location you would like to change.
5. Press the **Options** soft key, select **Change** and press the **Select** soft key or the  key. Your **Contact List** appears in the display.
6. Use the navigation keys to select the new speed dial entry to assign and press the **Select** soft key or the  key.
7. 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  key. The Contacts menu appears in the display.
3. Scroll to **Speed Dial** by pressing the **Up** or **Down** Navigation key, press the **Select** soft key or the  key.
4. Select the number assigned key you want to remove.
5. Press the **Options** soft key or the  key, select **Remove** and press the **Select** soft key or the  key.

6. Press the **Yes** soft key to confirm removal.
7. When you are finished, press the  key to return to Idle mode.

## My Name Card




The **Name Card** option is your contact information. You can attach your **Name Card** to a text or multimedia message. To create your name card, use the following steps:

1. When the Idle screen displays, press the **Menu** soft key.
2. Highlight **Contacts**, press the **Select** soft key or the  key. The Contacts menu appears in the display.
3. Scroll to **My Name Card** by pressing the **Up** or **Down** Navigation key, press the **Select** soft key or the  key.
4. The **My Name Card** screen displays. Enter your contact information. See “Adding a New Contact” on page 55 for more information.
5. Press the **Save** soft key or the  key.
6. Press the **Options** soft key to access the following options:
  - **Edit** — allows you to edit the my name card entry.
  - **Send via** — allows you to send your name card in a text message or a multimedia message.
  - **Remove** — deletes the **My Name Card** entry.
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  key. The Contacts menu appears in the display.
3. Select **Own Number** by pressing the **Up** or **Down** key and press the **Select** soft key or the  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  key to **Save**.




## Management

The Management option provides the ability to change the default settings for your phone.

### Default Saving

The Default Saving option allows you turn on or turn off the auto-save or save prompt for your Phone and SIM entries. To access this function, use the following steps:

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

2. Highlight **Contacts**, press the **Select** soft key or the  key. The Contacts menu appears in the display.
3. Select **Management** by pressing the **Up** or **Down** key and press the **Select** soft key or the  key.
4. Select **Default Saving** and press the  key. Select from the following options:
  - **Phone** — saves all contact entry information to the phone.
  - **SIM** — saves all contact entry information to the SIM card.
  - **Ask on Saving** — prompts you to save contact information to **Phone** or **SIM**.

### 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.




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**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 55.

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### Delete All of the Contacts List 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  key. The Contacts menu appears in the display.
3. Scroll to **Management** by pressing the **Up** or **Down** Navigation key and press the **Select** soft key or the  key.
4. Highlight **Delete All** and press the **Select** soft key or the  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. Enter your phone's password and press the **OK** soft key or the **[i]** key.
8. 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.
9. When you are finished, press the **[Back]** key to return to Idle mode.




### Checking the Memory Status

You can check how many names and numbers are stored in the Contacts List, 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. The Contacts menu appears in the display.
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 **[Back]** key to return to Idle mode.

## Using the Service Dialing Numbers

Your **Contacts** includes a list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers include emergency numbers, customer service numbers and directory inquiries.

1. When the Idle screen displays, press the **Menu** soft key.
2. Highlight **Contacts**, press the **Select** soft key or the  key. The Contacts menu appears in the display.
3. Select **Service Number**, by pressing the **Up** or **Down** Navigation key and pressing the **Select** soft key or the  key. The Service Number menu appears in the display.
4. Highlight a Service Number by using the **Up** or **Down** Navigation key.
5. To dial the number selected, press the  key.

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**Note:** This menu is available only when your SIM card supports Service Dialing Numbers.

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Section 6

## Section 7: Messaging

### Topics Covered

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- Types of Messages
  - Creating and Sending New Messages
  - Retrieving New Messages
  - Viewing Messages
  - Managing Your Own Message Folders
  - 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  key. Using the **Up** or **Down** Navigation key, highlight **Create New Message** and press the **Select** soft key or the  key.
3. Highlight **Text Message** and press the **Select** soft key or the  key. The **New** screen appears.
4. Create your message.

5. When you have finished writing your message, press the **Options** soft key. Choose from the following options:
- **Send Message** — allows you to send the message.
  - **Insert** — allows you to insert Text Templates, Contacts List, or Favorites.
    - **Text Templates** — allows you to apply one of the preset message templates to the text. Select one of the 10 items stored in the Text messages template menu.
    - **Contacts** — allows you to add phone numbers to your message.
    - **Favorites** — allows you to add internet addresses to your message.
  - **Add Content** — allows you to add a picture, 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 Emotions or My Animations.
    - **Add Melody** — allows you to add a melody to your message. Select between Preset Melodies and My Melodies.
  - **Attach** — allows you to attach a Name Card, Schedule, Anniversary, Memo, or Task.
  - **Save Message to** — save the message in the Drafts folder or a folder you have created in the My Folder option.
  - **Language Select** — allows you to set the language to English, Français, or Español.

- **Text Style** — allows you to format the style of the text. For the Text Size attribute, select Normal, Large, Small. For the Text Mode attribute, select Normal, Underline, or Strikethrough. The options Bold and Italic are set by using the  key to place a check mark by them.
  - **Input Method** — allows you select the text input method. For example, (T9 AB, T9 Ab, T9 ab, Ab, AB, ab, Numeric, Symbols)
6. Select **Send Message** and press the **Select** soft key or the  key. Continue to the next step.

Alternatively, select **Save to** to save the message in the **Drafts** folder. After saving the message, the display returns to the **Create New Message** menu list.
  7. Enter a destination number. If you want to send the message to multiple destinations, press the **Down** Navigation key after entering a number and repeat this step.
  8. When you have finished entering destination numbers, press the **Options** soft key. The following options display:
    - **Send** — allows you to send the message.
    - **Recent Recipient** — allows you to view a list of previous recipients destination numbers.
    - **Contacts** — allows you to add recipients to your Contacts List.
    - **Group** — allows you to create and add a new group.
    - **Save to** — save the message in the **Drafts** folder or a folder you have created in the **My Folder** option.
    - **Delete Destination** — allows you to delete the destination number.
  9. Select **Send** and press the **Select** soft key or the  key to send message.

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**Note:** When you write a text message, the phone automatically splits it into several messages if your message exceeds the maximum number of characters allowed for sending. The number of split messages to be sent is shown each time your message is split. Depending on your service provider, the maximum number of characters may vary.

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## 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 **Ⓜ** key. Using the **Up** or **Down** Navigation key, highlight **Create New Message** and press the **Select** soft key or the **Ⓜ** key.
3. Highlight **Multimedia Message** and press the **Select** soft key or the **Ⓜ** key.
4. Using the **Up** or **Down** Navigation key, highlight a message content option and press the **Ⓜ** key.

Alternatively highlight the message content option, press the **Options** soft key. The following options display:

- **Subject**
  - **Add** — allows you to enter subject text.
  - **Preview** — allows you to preview your messages before sending.
  - **Send** — allows you to send the message
  - **Save to** — saves the message to **Drafts** folder or a folder you have created in the **My Folder** option.
  - **Settings** — allows you to select a **Delivery Report**, **Read Reply**, **Priority**, **Expiry Date**, and **Delivery After**.
  - **Add Page** — allows you to add additional pages to your message.

- **Delete Page** — deletes a page from your message.
  - **Edit Page** — allows you to edit selected page.
  - **Attach** — allows you to attach a **Name Card**, a **Schedule**, an **Anniversary**, a **Memo**, or **Task** to your message.
5. Select **Add**, press the **Select** soft key or the **Ⓜ** key.
  6. Enter the subject text. When you have finished entering the subject, press the **Options** soft key. Choose from the following options:
    - **Save** — allows you to save subject.
    - **Insert** — allows you to add a message text from the **Templates** folder, an entry from the **Contacts List**, or a URL address in the **Favorites** folder.
    - **Save to** — save the message in the **Drafts** folder or a folder you have created in the **My Folder** option.
    - **Language Select** — allows you to change the language to be used in input mode.
    - **Input Method** — allows to select text input mode.
  7. Using the **Up** or **Down** Navigation key, highlight a message content option and press the **Ⓜ** key.

Alternatively highlight the message content option, press the **Options** soft key. The following options display:

- **Graphics and Videos**
  - **Add Graphics** — allows you to add **Downloaded Graphics** and graphics saved in your **Favorite Graphics** folder.
  - **Add Video** — allows you to add **Downloaded Videos** and videos saved in your **Favorite Videos** folder.
  - **Preview** — allows you to preview the message before sending.




- **Send** — allows you to send the message
  - **Save to** — saves the message to **Drafts** folder or a folder you have created in the **My Folder** option.
  - **Settings** — allows you to select a **Delivery Report**, **Read Reply**, **Priority**, **Expiry Date**, and **Delivery After**.
  - **Add Page** — allows you to additional pages to your message.
  - **Delete Page** — deletes a page from your message.
  - **Edit Page** — allows you to edit selected page.
  - **Attach** — allows you to attach a **Name Card**, a **Schedule**, an **Anniversary**, a **Memo** or **Task** to your message.
- **Audio**
    - **Add Audio** — allows you to add **Record Audio**, **Recorded Audio**, **Downloaded Audio**, or **Favorite Audio**.
    - **Preview** — allows you to preview the message before sending.
    - **Send** — allows you to send the message
    - **Save to** — saves the message to **Drafts** folder or a folder you have created in the **My Folder** option.
    - **Settings** — allows you to select a **Delivery Report**, **Read Reply**, **Priority**, **Expiry Date**, and **Delivery After**.
    - **Add Page** — allows you to additional pages to your message.
    - **Delete Page** — deletes a page from your message.
    - **Edit Page** — allows you to edit selected page.
    - **Attach** — allows you to attach a **Name Card**, a **Schedule**, an **Anniversary**, a **Memo** or **Task** to your message.

- **Message**

- **Add** — allows you to add another page.
- **Preview** — allows you to preview your messages before sending.
- **Send** — allows you to send the message
- **Save to** — saves the message to **Drafts** folder or a folder you have created in the **My Folder** option.
- **Settings** — allows you to select a **Delivery Report**, **Read Reply**, **Priority**, **Expiry Date**, and **Delivery After**.
- **Add Page** — allows you to additional pages to your message.
- **Delete Page** — deletes a page from your message.
- **Edit Page** — allows you to edit selected page.
- **Attach** — allows you to attach a **Name Card**, a **Schedule**, an **Anniversary**, a **Memo** or **Task** to your message.

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

- **Save** — allows you to save the text message you entered.
  - **Insert** — allows you to add message text from the Templates folder, an entry from the Contacts List, or a URL address from the **Favorites** folder.
  - **Save to** — save the message in the **Drafts** folder or a folder you have created in the **My Folder** option.
  - **Language Select** — allows you to change the language to be used in input mode.
  - **Input Method** — allows to select text input mode.
8. When you have finished creating the messages, press the **Options** soft key and choose **Send**.



9. Manually enter a number or press the **Options** soft key and select **Contacts**, and press the **Select** soft key or the  key.  
To select a number from your Contacts List highlight the recipient and press the **Select** soft key or the  key.
10. When you have finished entering destination numbers, press the  key.  
Alternatively, press the **Options** soft key, select **Send** and press the **Select** soft key.


## Retrieving New Messages

While text messages from other phones are delivered directly to your phone, Multimedia messages will be stored in the Inbox of the message server and the server will alert you to new messages. Therefore you need to retrieve new messages to your phone and read them on the phone.

### Retrieving an 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 or the  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 **Exit** soft key.
2. Press the **Options** soft key or the  key to access the following options:
  - **Reply via Text Message** — allows you to reply to the message.

- **Reply via Multimedia Message to** — allows you to reply to the message with a multimedia message. Choose to reply to the **Sender** or **All**.
  - **Forward** — allows you to forward the message to another person.
  - **Delete** — deletes the message.
  - **Extract Address** — allows you to move the address to the contacts list.
  - **Save Content** — saves the audio and/or video to the My Browser folders. Audio will save to audio folder, graphic will save to Graphics folder, and video will save to Video folder.
  - **Protection** — locks the message to keep it from being deleted or unlocks the message.
  - **Properties** — shows you detailed information about the message.
3. To scroll through the message, press the **Up** or **Down** key.
  4. When you have finished, press the  key.



## Viewing Messages



The My Messages screen provides 5 message folders. To access the Message folders, use the following steps:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** and press the **Select** soft key or the . Highlight **My Messages** and press the **Select** soft key or the  key.
3. Press the corresponding number to access the message folders.

- **Inbox** — stores incoming SMS, Cell Broadcast (CB), Multimedia, and WAP messages.
- **Sent** — stores the messages your phone successfully have sent.
- **Outbox** — stores the messages your phone is attempting to send temporarily.
- **Drafts** — stores the messages you have saved without sending or tried to send.
- **My Folders** — allows you to create a folder that is used to store messages. You can create up to 5 message folders to manage your messages.

## Viewing a Message


1. In Idle mode, press the **Menu** soft key and highlight **Messaging**. Press the **Select** soft key or the  key.
2. Highlight **My Messages** and press the **Select** soft key or the  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

The icons on the left of the message subject indicate the memory location and the lock status.

From the message list, you can access the following options by pressing the **Options** soft key.




- **View** — opens the currently selected message.
- **Delete** — deletes the currently selected message or all messages in the Inbox.

- **Move to My Folder** — allows you to move the message to one of the folders you have defined.
  - **Sort by** — allows you to sort messages by predefined criterion.
  - **Protection** — locks the message to keep it from being deleted or unlocks the message.
  - **Properties** — shows the message Subject, From, Message Size, Transaction ID, Msg Class, MMS Version, To, Priority, and Date.
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.

## Managing Your Own Message Folders

You can create up to 5 message folders to store messages separately from the default message folders.

### Creating a Message Folder

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messaging** and press the **Select** soft key or the  key.
3. Highlight **My Messages** and press the **Select** soft key or the  key.
4. Highlight **My Folders** and press the **Select** soft key or the  key.






5. The “Create Folder?” pop-up screen displays the when there are no folders created.
6. Press **Yes** to create a new folder. Press **No** to cancel and return to the previous menu.
7. If you selected **Yes**, enter the folder name and press the **OK**.
8. When you have finished, press the **Done** key.

### Moving a Message to a Message Folder





1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** and press the **Select** soft key or the **Enter** key.
3. Highlight **My Messages** and press the **Select** soft key or the **Enter** key.
4. Select **Inbox** and press the **Select** soft key or the **Enter** key.
5. Select the message you want to move and press the **Options** soft key.
6. Select **Move to My Folders** and press the **Select** soft key or the **Enter** key. **Move to My Folders** sub-menu displays.
7. Select one of the folders you have defined and press the **Select** soft key or the **Enter** key. The message is moved to the folder.
8. When you have finished, press the **Done** key.

### Renaming a Message Folder

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

2. Select **Messaging** and press the **Select** soft key or the  key. Using the **Up** or **Down** Navigation key highlight **My Messages** and press the **Select** soft key or the  key.
3. Select **My Folders**. The folder list displays.
4. Scroll to the folder you want to rename and press the **Options** soft key, select **Rename Folder** and press the **Select** soft key or the  key.
5. Clear the current name and enter a new name.
6. Press the **OK** soft key or the  key.
7. When you have finished, press the  key.

### Deleting a Message Folder

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Messaging** and press the **Select** soft key or the  key. Using the **Up** or **Down** Navigation key highlight **My Messages** and press the **Select** soft key or the  key.
3. Select **My Folders**. The folder list displays.
4. Scroll to the folder you want to delete.
5. Press the **Options** soft key and select **Delete**.
6. Press the **Yes** soft key or the  key to confirm the deletion.
7. When you have finished, press the  key.

### Using Message Options

While viewing the content of a message, press the **Options** 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.
- **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.
- **Save Content/Attach** — allows you to save media items, such as sounds or images, from the message into your phone's memory. You can then use the items when writing a message. Note, there must be a media file attached to the message for this option to be available.
- **Protection** — allows you to lock the message, keeping it from being deleted. Also, use to unlock the message.

## Options for Multimedia Messages




- **Reply via Text Message** — allows you to reply to the message via Text message.
- **Reply via Multimedia Message** — allows you to reply to the message via Multimedia message. Choose **Sender** (replies to sender only) or **All** (replies to all contacts on the message).
- **Forward** — allows you to forward the message to addresses or phone numbers.
- **Delete** — deletes the message.
- **Extract Address** — allows you to save the recipient or sender's number and URL, Email addresses or phone numbers from the message text.
- **Save Content** — allows you to save media items, such as sounds or images, from the message into your phone's memory. You can then use the items when writing a message.

Note, there must be a media file attached to the message for this option to be available.

- **Protection** — allows you to lock the message, keeping it from being deleted. Also, use to unlock the message.
- **Properties** — provides the following information: Subject, From, Message Size, Transaction ID, Msg Class, MMS Version, To, Priority, and Date.







## 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  key.
3. Highlight **Templates** and press the **Select** soft key or the  key.
4. Highlight a template and press the **Options** soft key to access the following options:
  - **Edit** — allows you to change the template.
  - **Send Message** — allows you to send an SMS message using the template.
  - **Delete** — deletes the template.
  - **Add New** — allows you to add a frequently used message to the template list.
5. 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  key. Using the **Up** or **Down** Navigation key highlight **Delete All** and press the **Select** soft key or the  key.
3. Select the message folder(s) you want to empty. Use the Navigation keys to highlight the folder and press the  key to mark the folder you want to delete.
4. To delete all of the messages in all folders, select **All Messages**.
5. Press the **Delete** soft key. At the “With Protection” pop-up, press the  key to mark files with protection to be deleted or press the **Yes** soft key to delete.
6. Press the **Yes** soft key or the  key to confirm deletion.
7. When you have finished, press the  key.

### Deleting Individual 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  key. Using the **Up** or **Down** Navigation key highlight **My Messages** and press the **Select** soft key or the  key.
3. Highlight **Inbox** and press the **Select** soft key or the  key.

4. Select an individual message you want to delete and press the **Options** soft key. Highlight **Delete** and press the **Select** soft key. Choose from **Selected** or **All** and press the **Select** soft key.
5. Press the **Yes** soft key or the **i** key to confirm the deletion.
6. When you have finished, press the **Done** 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:

- **Send Settings** — allows you to set the following options:
  - Reply Path (SIM Dependent)** — allows the recipient of your message to send you a reply through your message center, if your network supports this service.
  - Delivery Report (SIM Dependent)** — 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.

- **Bearer Selection** — allows you to select either GSM or GPRS Preferred, depending on your network.
- **Current Profile** — allows you to select an option for sending a text message.
- **Text Message Profile** — allows you to set the options for sending text messages.

## Multimedia Message

The following options are available:

- **Send Settings:**
  - **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.
  - **Priority** — you can select the priority level of your messages.
  - **Expiry Date** — you can select the length of time your messages are stored in the message center after they are sent.
  - **Delivery After** — you can set a time delay before the phone sends your messages.
- **Receive Settings** — you can specify the category of messages you want to retrieve. Allows you to set the following:
  - **Anonymous Reject** — rejects messages with a category of anonymous.
  - **Advert Allowed** — allows messages with a category of advertisement.
  - **Information Allowed** — allows messages with the category of information.
  - **Report Allowed** — allows messages with a report.

–**Auto Download** — automatically downloads the message from the server.

- **Multimedia Message Profile** — you can select a connection profile to be used for sending and receiving Multimedia messages.

## Push Message

The following options are available:

- **Receive** — you can select whether the phone receive or reject push-messages from the WAP server. Choose from **Never**, **Always**, or **SMS-C Specific**.
- **Service Center** — enter a service center number to receive SMS messages.

## Broadcast

The following options are available:

- **Receive** — allows you to enable or disable the reception of broadcast messages.
- **Channel List** — allows you to indicate the channels from which you wish to receive broadcast messages. The following options are available:
  - Save** — use to save the channel for future use.
  - Add Channel** — use to enter the ID and title for a new channel.
  - Delete** — use to remove a channel from the list.
  - Edit** — use to change the ID and title of an existing 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

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- Time & Date
  - Phone Settings
  - Display Settings
  - Sound Settings
  - Network Services
  - Security
  - Connection 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.



## 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.

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**Note:** Before setting the time, you must specify your time zone in the **World time** menu. See “World Time” on page 124.

---

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** and press the **Select** soft key or the  key.
3. Select **Time & Date** and press the **Select** soft key or the  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.
- **AM/PM** — use the **Left** or **Right** Navigation key to select **AM** or **PM**.
- **Time Format** — allows you to change the time format to 12 hours or 24 hours. Use the **Left** or **Right** Navigation key to select **Time Format**.
- **Set Date** — allows you to enter the current date using your keypad.
- **Starting Day of Calendar** — allows you to set the starting day of your calendar. Select **Start with Sunday** or **Start with Monday**.
- **Auto Update** — allows you to receive time information from your service provider's network. Use the **Left** or **Right** 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 **Save** soft key or the  to save your Time & Date settings.



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**Note:** Automatic updates of time and date do not change the times 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  key.
3. Using the **Up** or **Down** Navigation key highlight **Phone Settings** and press the **Select** soft key or the  key.

The following options are available:

## Language

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

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

## 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 “Section 5: Entering Text” on page 47.

## Short Cut

Only in Idle mode, Navigation keys can be used as shortcut keys. They allow you to access specific menus directly.

To assign a shortcut to a key:

1. From the **Phone Settings** menu, select **Short Cut**.
2. Using the Navigation key, highlight the Navigation key to be used as a shortcut key and press the .
3. Select the menu to be assigned to the key and press the **Select** soft key or the  key. An icon associated with your selection will display.



---

**Note:** To deactivate a shortcut key, press the **Options** soft key and select **Remove** or **Remove All**.

---

## Extra Settings




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

1. To turn a feature on, press the  key. A check mark displays in front of the option.
2. To turn a feature off, press the  key. The check mark no longer displays.
3. Press the **Save** 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.
- **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. See below.
- **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.

## TTY Setting

TTY [Teletypewriter — also known as a TDD (Telecommunication Device for the Deaf) 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 using a telephone.

---

**Note:** The TTY option is viewable only when a TTY Adapter is inserted into the headset jack on the left side of your phone.

---

Use the following steps to access the TTY settings:

1. Connect the TTY to the headset jack on the left side of your phone.
2. In Idle mode, press the **Menu** soft key to access Menu mode.
3. Select **Settings** and highlight **Phone Settings**. Press the **Select** soft key or the **[F]** key.
4. Press **[5]** (this will not be shown in the menu).

The following options are available:



- **Enable** — TTY is available for use.
  - **Disable** — TTY is not available for use.
5. Highlight the **Enable** selection. Key in the password: 4-T-T-Y (4889) and press the **OK** soft key.

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

[http://www.samsungtelecom.com/contact\\_us/accessibility.asp](http://www.samsungtelecom.com/contact_us/accessibility.asp)

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




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

### Wallpaper

This menu allows you to change the background image or the color of the text to be displayed in Idle mode.

The following options are available:

- **Get Graphics** — allows you access WAP browser to download new graphics.
- **Wallpaper List** — allows you to select from a list of **Default Wallpapers**, **Downloaded Graphics** and **Favorite Graphics**.

Highlight **Wallpaper List** and press the  key. Select a wallpaper option and press the **Select** soft key or the  key. Select the wallpaper you would like to apply. Press the **Options** soft key and highlight **Select** and press the  key.

Alternatively, select **View** to display the wallpaper in the display. Use the **Left** or **Right** Navigation key to scroll through Wallpaper List. Press the **Select** soft key to apply selected wallpaper.

- **Text Position** — allows you to select the position of the text displayed in Idle mode. Press the **Left** or **Right** Navigation keys to make your selection.

- **Text Mode** — allows you to select a text format. Choose **Normal**, **Outline**, or **Shadow**. Press the **Left** or **Right** Navigation keys to make your selection.
- **Text Color** — allows you to select the color of the text to be displayed on the Idle screen. Press the **Left** or **Right** Navigation keys to make your selection.
- **Graphic Logo** — allows you to display your service provider's logo instead of its' name. Press the **Left** or **Right** Navigation keys to make your selection.
  - Off** — the service provider's name displays in the Idle mode.
  - On** — the service provider's logo stored in your phone displays in Idle mode; if no logo has been stored, the service provider's name displays.

Press the **Save** soft key or the **f** key to save changes.

### Skin

You can select the color of the menus displayed. You can choose from pattern 1 - 4.

### LCD Brightness

You can adjust the display brightness for the Main 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.

### LCD Contrast

Press the **Left** or **Right** Navigation key to adjust the Main LCD and Front LCD contrast. Press **OK** to accept changes.

### Back Light

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



- **Main LCD On** — Settings available are: 15 seconds, 30 seconds, 1 minute, 3 minutes, and 10 minutes.
- **Main LCD Dim** — Settings available are: 15 seconds, 30 seconds, 1 minute, 3 minutes, and Off.

## Dialing Display

In this menu, you can select the dialing font color. Choose **Rainbow** or **Basic**.

## 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  key.
3. Select **Sound Settings** and press the **Select** soft key or the  key.


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

## Incoming Call

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

- **Get Ringtones** — allows you to access the internet to purchase and download a new ringtone.
- **RingTone** — allows you to select from the preloaded ringtones.
- **RingVolume** — allows you to set the default volume for your ringer to sound when receiving an incoming call.
- **Alert Type** — allows you to set the alert default. Choose from **Melody**, **Vibrate**, or **Vibrate then Melody**.

Press the **Left** or **Right** Navigation key to make selection

Press the **Save** soft key or the  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 change **On/Off** to **On**.
2. Use the Navigation keys to select a **Tone** from **Voice**, **DTMF**, **Beep**, **Drum**, **Rain Drop**.
3. Use the Navigation keys to increase or decrease the **Volume** (1 – 5).


### Message Tone

This menu allows you to select how the phone informs you that a new SMS, MMS, or Broadcast message has been received.

For each message tone, the following options are available:

- **Tone** — you can select a message tone.
- **Mode** — you can select a type of message alert.
  - Off** — the phone does not use the SMS tone.
  - Tone** — the phone sounds the selected message tone.
  - Vibration** — the phone vibrates.
- **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.
  - Every 2 Min.** — the phone alerts you one time to a new message every 2 minutes until you open the message.


Press the **Left** or **Right** Navigation key to make selection

Press the **Save** soft key or the  key to save changes.

### Power On/Off

This menu allows you to select 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  key to save changes.

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

### Folder Tone


This menu allows you to select the melody that the phone sounds when the flip is being opened.

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

Press the **Select** soft key or the  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 Tones

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:

- **Error Tone** — this menu allows you to choose whether or not the phone sounds when you perform an improper function.
- **Minute Minder** — sets whether or not the phone beeps every minute during an outgoing call to keep you informed of the length of your call.
- **Connection 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 Tone** — sets whether or not the phone plays tone to inform you when you have completed the function.

## Network Services

The Network Service Settings allow 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  key.
3. Select **Network Services** and press the **Select** soft key or the  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  key.

The following options are available:

- **Forward Always** — all calls are forwarded.
- **Busy** — calls are forwarded when you are already on another call.
- **No Reply** — calls are forwarded when you do not answer the phone.
- **Unreachable** — calls are forwarded when you are not in an area covered by your service provider or when your phone is switched off.

- **Cancel All** — all call forwarding options are canceled.
3. Select the call type, **Voice Calls** or **Data Calls**, by pressing the **Up** or **Down** key, and then press the **Select** soft key or the **ⓘ** 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** or **Data**, 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 **ⓘ** key.

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

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

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

- From the Network Services menu screen, select **Network Selection**.
- Press the **Up** or **Down** key until the appropriate option highlights, then press the **OK** soft key or the **ⓘ** key.  
If you select **Automatic**, you are connected to the first available network when roaming.  
If you select **Manual**, go to step 3.
- Press the **Up** or **Down** key until the network you want highlights and then press the **OK** soft key or the **ⓘ** 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:

- **Default** — the default setting provided by the network is used.
- **Hide Number** — your number does not display on the other person's phone.
- **Send Number** — your number is sent each time you make a call.

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

## Closed User Group (SIM Dependent)

This network service allows incoming and outgoing calls to be restricted to a selected user group. you can create up to 10 user groups.

For details about how to create and use a closed user group, contact your service provider.

---

**Example:** A company lends SIM cards to its employees and wants to restrict outgoing calls to members of the same team.

---

If you select the **Closed User Group** menu, you can enter the CUG function. You can now access the following options:

- **Index List** — lets you list, add, or delete CUG index numbers.

If there is no CUG index stored, you are prompted to add a new index when you select this option. Once you have added a CUG index, the list of current CUG indexes appears.



Add a new CUG index as advised by your service provider, or delete a group.

- **Outside Access** — lets you enable or disable calls to numbers other than those in the CUG. This feature depends on the nature of your CUG subscription. Please check with your service provider.
- **Default Group** — you may set a default CUG with your service provider. If you have done so, you can enable the **Default Group** option on your phone. When making a call, you are given the option of using your default CUG, instead of selecting one from the list.

## 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  key.
3. Select **Security** and press the **Select** soft key or the  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 (Personal Identification Number) 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.

---

**Note:** The password is preset to “00000000” at the factory.

---

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.

---

**Note:** 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.

---

## Privacy

Using this menu, you can lock your phone and its’ contents. Once you have locked the contents, you must enter the phone’s password to access the associated menus.

---

**Note:** 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.

---

## Connection Settings

You can customize the profiles containing the settings for connecting your phone to the network. These settings are used for the WAP browser or Instant Messenger, or sending MMS messages.

---

**Note:** Your phone connects to the network by default. If you change the MMS settings without first checking with your service provider, the WAP, MMS features may not work properly.

---




1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Settings** and highlight **Connection Settings**. Press the **Select** soft key or the **Enter** key.
3. Select the profile you want to change.  
For each profile, the following options are available:
  - **Profile Name** — enter a name that you wish to assign to the profile.
  - **Home URL** — enter the address of the WAP home page of your service provider.
  - **Proxy** — place a check in the box to use the proxy server.
  - **IP Address** — enter the IP address of the proxy server.
  - **Port** — enter a port number or use default setting.
  - **DNS**
    - **DNS1** — enter the primary DNS (Domain Name System) address.
    - **DNS2** — enter the secondary DNS address.
  - **Bearer** — select the network bearer type for data transmission, either GPRS or GSM.
  - **Advance Settings**

- **APN** — enter the access point name used for the address of the network.
- **Login ID** — enter the user ID required to connect to the network.
- **Password** — enter the password required to connect to the network.

## 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  key.
3. Choose from the following:
  - **All Settings**
  - **Phone Settings**
  - **Display Settings**
  - **Sound Settings**
4. Press the  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  key.

---

**Note:** The password is preset to "00000000." To change this password, see "Change Password" on page 109.

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## Section 9: Games

### Topics Covered



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- Games Menu
  - Getting Games
  - My Games
- 

This section details your phone's abilities to download and play games.

## Games Menu

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

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Games** and press the **Select** soft key or the  key. The following options appear in the display:
  - **Get Games** — allows you to seek, purchase, and download game applications to your phone using WAP Browser.
  - **My Games** — allows you to play and manage games stored on your phone.
3. Press the number key associated with your choice or use the navigation keys to highlight the desired option and press the **Select** soft key or the  key.

## Getting Games



Get Games lets you download Java-based games and store them in your phone.

---

**Note:** Java services may not be available, depending on your service plan and phone model.

---

To browse the Wireless Web for games, do the following:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Games** and press the **Select** soft key or the  key.
3. Using the **Up** or **Down** Navigation key, highlight **Get Games** and press the **Select** soft key or the  key.

Your Service Provider's menu appears in the display.

---

**Note:** Contact your Service Provider for details on how to shop for, purchase, and download games.

---

## My Games

The **My Games** menu lists the games currently stored on your phone. Any games you download using the **Get Games** option are added to the list.

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Games** and press the **Select** soft key or the **Ⓜ** key.
3. Using the **Up** or **Down** Navigation key, highlight **My Games** and press the **Select** soft key or the **Ⓜ** key. A list of available games appears in the display.
4. Use the navigation keys to highlight the desired game.
5. Press the **Options** soft key. The following options appear in the display:
  - **Start** — Starts the selected game.
  - **Move to** — Moves a game into a new folder. If a new folder is created under the **Games** menu.
  - **Delete** — Deletes the selected game from your phone. (You are prompted to confirm the deletion.)
  - **Lock/Unlock** — Protects or releases the selected game from deletion.
  - **Properties** — Lets you view specifications for the selected game [such as, game **Size** (in KB), **Version** number, and **Vendor** name].

- **Permissions** — Lets you select permission levels for **Data Network**, **Data Network2**, **Comm Connectivity**, **All App Auto Start**, and **Messaging**.
  - **Upgrade** — Upgrades the game to an updated version, if available.
  - **Send Information Via SMS** — When active, uses text messaging to retrieve information about a game.
  - **Memory Status** — Shows amount of memory currently used to store games and shows the amount of memory still available to store games.
6. Use the navigation keys to highlight the desired option and press the **Select** soft key or the  key.
  7. Press the  key repeatedly to return to the Idle screen.

## Section 10: Applications

### Topics Covered

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- Alarm
  - Calculator
  - Record Audio
  - Converter
  - Timer
  - Stopwatch
  - World Time
- 




The topics covered in this section allow you to create To-Do lists, set an alarm, and perform simple math calculations.

## 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  key.
3. Highlight **Alarm** and press the **Select** soft key or the  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 **Select** soft key or the  key. Set the following options:
  - **Alarm** — use the **Left** or **Right** Navigation key to turn alarm **On** or **Off**.

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**Note:** Your phone is preset to a 12-hour format. To change the time format, see “Time & Date” on page 92.

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- **Alarm Time** — use the alphanumeric keypad enter a time for the alarm to sound.
- **AM/PM** — use the **Left** or **Right** Navigation key to select **AM** or **PM**.

- **Repeat** — use the **Left** or **Right** Navigation key to select alarm frequency.
- **Alarm Tone** — press the  key, select **Downloads**, **Favorites**, or **Defaults** alarm tones. Press the **Select** soft key or the  key to select a tone.

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



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

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

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## 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  key.
3. Highlight **Alarm** and press the **Select** soft key or the  key. Select **Auto Power**.
4. Using the Up or Down Navigation key, highlight **On** and press the **Select** soft key or the  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.

## Deactivating an Alarm

1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Applications** and press the **Select** soft key or the  key. Highlight **Alarm** and press the **Select** soft key or the  key.
3. Select alarm type and press the **Select** soft key or the  key.
4. **Alarm** is highlighted, use the **Left** or **Right** Navigation key to turn alarm **Off**.
5. Press the **Save** soft key to save changes.
6. When you have finished, press the  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  key.
3. Highlight **Calculator** and press the **Select** soft key or the  key.
4. Enter the first number using the numeric keys.

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

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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  key.

## Record Audio


You can record voice memos. After recording, you can send the memo to other people via the Multimedia Message Service.

### Using 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 **Applications** and press the **Select** soft key or the  key.
3. Highlight **Record Audio** and press the **Select** soft key or the  key.
4. To start recording, press the  key.
5. Record a memo by speaking into the microphone.
6. Press the  to stop and restart recording or press the **Stop** soft key to save recording.

If the recording time expires, the message is automatically saved.

7. Press the **Options** soft key to display the following options:
  - **Play** — plays back your memo.
  - **Record** — starts recording a new voice memo.
  - **Go to Recorded Audio** — launches the Audio list screen to select from your voice memos.
  - **Send via MMS** — allows you to send your memo to other people by using the MMS.
  - **Set as** — allows you to set the recorded audio file to be your **Ringtone** or **Wake-up Call**.
  - **Delete** — allows you to delete the memo.
  - **Rename** — allows you to change the memo's name.
  - **Protection** — use to protect recorded audio files from being deleted.
  - **Properties** — displays the **Name**, **Date**, **Format**, **Length**, **Size**, and **Protection** of the voice memo.
8. To exit, press the **Back** soft key or the  key.

### Audio List

This menu shows a list of saved voice memos. Scroll to a memo and press the **Options** soft key or the  key. The following options are available:

- **Play** — plays the memo.
- **Send via MMS** — allows you to send the memo to other people by using the MMS feature.
- **Set as** — allows you to set the recording as a **Ringtone** or a **Wake-up Call** tone.
- **Delete** — allows you to delete selected or all voice memos.
- **Rename** — allows you to change the memo's name.

- **Move to Favorite Audio** — allows you to move this voice memo to your favorite audio folder.
- **Protection** — turns on or off protection for your audio files.
- **Properties** — displays information about the memo, such as the name, the date when the memo was made, recording duration, and memory size.

## Converter

The conversion menu provides the following conversion categories:

- Currency
- 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. Press the **Set** soft key to enter the length of time.
2. Enter the time and press the **OK** soft key.
3. Press the **▶** key to start the timer. Press the **⏏** key to stop the timer.

## Stopwatch

You can use this menu to measure intervals of time for 4 separate times. Press the **▶** key to start the stopwatch. Press the **⏏** 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. Highlight **Applications** and press the **Select** soft key or the  key.
3. Highlight **World Time** and press the **Select** soft key or the  key.
4. Press the  key to set the city or area as the new time zone. The displayed time will shift to reflect the time zone selected.
5. Use the **Left** and **Right** Navigation keys to browse cities and times.
6. To save a selected city as your default time zone, press the **Option** key, highlight **Save**, and press the **Select** soft key or the  key.
7. To set Daylight Saving Time for a time zone, press the **Option** key, highlight **Set Daylight Saving Time**, and press the **Select** soft key or the  key.
8. Use the **Up** and **Down** Navigation keys to browse cities.
9. Press the  key to select a city, and press the **Save** soft key to save your selection.

## Section 11: Calendar

### Topics Covered

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- Calendar Options
  - View Mode
  - Create
  - Go to
  - Sort by
  - Delete
  - Missed Alarm Events
  - Memory Status
- 

The topics covered in this section allow you to view past, current, and future months in calendar format and showing scheduled events (that is, schedules, anniversaries, memos, tasks). The Calendar also lets you schedule events.

## Calendar Options

The Calendar feature allows you to view the current, past, or future months in a monthly calendar layout. While viewing the calendar, the current date is highlighted and days with scheduled events will be surrounded with a box.

1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Calendar** and press the **Select** soft key or the **ⓘ** key.
3. Press the **Options** soft key.

The following options appear in the display:

## View Mode

View Mode allows you to select how you want to view the calendar.


1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Calendar** and press the **Select** soft key or the **ⓘ** key.
3. Scroll to a date on the calendar by pressing the Navigation keys and press the **ⓘ** key.

Alternatively press the **Options** soft key and select **Go To**, press the **Select** soft key, or the **Right** Navigation key or the **ⓘ** key and select **Date**.

Press the **Select** soft key or the **ⓘ** key and manually enter a specific date and press the **OK** soft key.

The selected date appears in Day View mode.


4. Press the **Back** soft key to return to Calendar View.





5. Press the **Options** soft key. A pop-up window appears containing Calendar options with the View Mode option highlighted.
6. Press the **Right** Navigation key to display the following View Mode options:
  - **Day View** — Shows a list of any events scheduled for the selected date.
  - **Week View** — Shows a selected week and lists the hours when events are scheduled.
7. Use the **Up** or **Down** navigation key to highlight the desired View Mode and press the **Select** soft key or the  key. The selected View Mode appears in the display. Press the **Back** soft key to return to Calendar View.



## Create

Create allows you to create the following:

### Schedule

1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Calendar** and press the **Select** soft key or the  key.  
The calendar displays with today date highlighted.
3. Scroll to a date on the calendar by pressing the Navigation keys and press the  key.  
Alternatively press the **Options** soft key and select **Go To**, press the **Select** soft key, or the **Right** Navigation key or the  key and select **Date**.  
Press the **Select** soft key or the  key and manually enter a specific date and press the **OK** soft key.





4. Press the **Options** soft key and select **Create**, press the **Select** soft key, or the **Right** Navigation key or the  key and select **Schedule**.
5. Press the **Select** soft key or the  key an empty schedule screen displays.
6. Enter the following information:
  - **Subject** — enter the **Subject** text and press the **Down** Navigation key.
  - **Details** — enter the **Details** of your message and press the **Down** Navigation key.
  - **Start Date** — enter the **Start Date** using the keypad and press the **Down** Navigation key.
  - **Start Time** — enter the **Start Time** using the keypad and press the **Down** Navigation key.
  - **AM/PM** — use the **Left** or **Right** Navigation key to select **AM** or **PM** for the start time of the scheduled event and press the **Down** Navigation key.
  - **End Date** — enter the **End Date** using the keypad and press the **Down** Navigation key.
  - **End Time** — enter the **End Time** using the keypad and press the **Down** Navigation key.
  - **AM/PM** — use the **Left** or **Right** Navigation key to select **AM** or **PM** for the end time of the scheduled event and press the **Down** Navigation key.
  - **Location** — enter the physical location of the scheduled event. Press the  key to change text entry mode. Press the **Down** Navigation key.
  - **Alarm** — press the  key to set an alarm to ring on the chosen day. A check mark displays. Press the **Down** Navigation key.

- **Before** — enter the number of **Minutes**, **Hours**, **Days**, or **Weeks** that you would like to be notified prior to the scheduled event. Press the **Down** Navigation key. Use the **Left** or **Right** Navigation key to select how you will be notified. Press the **Down** Navigation key.
- **Alarm Tone** — press the  key to select an **Alarm Tone** to ring, to remind you of the scheduled event and press the **Down** Navigation key.
- **Repeat** — press the  key to set the alarm to automatically repeat **Every Day**, **Every Week**, or **Every Month** and press the **Down** Navigation key.
- **Until** — enter the date you would like the **Repeat** function to end.

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

## Anniversary


1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Calendar** and press the **Select** soft key or the  key.  
The calendar displays with today date highlighted.
3. Scroll to a date on the calendar by pressing the Navigation keys and press the  key.  
Alternatively press the **Options** soft key and select **Go To**, press the **Select** soft key, or the **Right** Navigation key or the  key and select **Date**.  
Press the **Select** soft key or the  key and manually enter a specific date and press the **OK** soft key.
4. Press the **Options** soft key and select **Create**, press the **Select** soft key, or the **Right** Navigation key or the  key and select **Anniversary**.

5. Press the **Select** soft key or the  key an empty **Anniversary** screen displays.
6. Enter the following information:
  - **Occasion** — enter the detail of the **Occasion** and press the **Down** Navigation key.
  - **Date** — enter the **Date** using the keypad and press the **Down** Navigation key.
  - **Alarm** — press the  key to set an alarm to ring on the chosen day. A check mark displays and press the **Down** Navigation key.
  - **Before** — enter the number of **Days** or **Weeks** that you would like to be notified prior to the scheduled event. Press the **Down** Navigation key. Use the **Left** or **Right** Navigation key to select how you will be notified. Press the **Down** Navigation key.
  - **Alarm Time** — set the alarm time for the scheduled event, using the keypad and press the **Down** Navigation key.
  - **AM/PM** — use the **Left** or **Right** Navigation key to select **AM** or **PM** for the **Alarm Time** of the scheduled event and press the **Down** Navigation key.
  - **Alarm Tone** — press the  key to select an **Alarm Tone** to ring, to remind you of the scheduled event and press the **Down** Navigation key.
  - **Repeat Every Year** — press the  key if you would like the occasion to be a recurring event. A check mark displays.
7. When you have finished, press the **Save** soft key.



## Memo


You can make up to 100 memos for the calendar. More than one memo can be made for one day.

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

2. Select **Calendar** and press the **Select** soft key or the  key.

The calendar displays with today date highlighted.


3. Scroll to a date on the calendar by pressing the Navigation keys and press the  key.  
Alternatively press the **Options** soft key and select **Go To**, press the **Select** soft key, or the **Right** Navigation key or the  key and select **Date**.


Press the **Select** soft key or the  key and manually enter a specific date and press the **OK** soft key.

---

**Note:** To skip to the previous or next month, press the **Volume** keys or the left side of the phone.



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4. Press the **Options** soft key and select **Create**, press the **Select** soft key, or the **Right** Navigation key or the  key and select **Memo**.

Press the **Select** soft key or the  key an empty memo screen displays allowing you to enter your memo.

5. Enter your memo and the press the **Save** soft key.

## Task

1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Calendar** and press the **Select** soft key or the  key.  
The calendar displays with today date highlighted.
3. Scroll to a date on the calendar by pressing the Navigation keys and press the  key.

Alternatively press the **Options** soft key and select **Go To**, press the **Select** soft key, or the **Right** Navigation key or the **Ⓜ** key and select **Date**.

Press the **Select** soft key or the **Ⓜ** key and manually enter a specific date and press the **OK** soft key.

4. Press the **Options** soft key and select **Create**, press the **Select** soft key, or the **Right** Navigation key or the **Ⓜ** key and select **Task**.
5. Press the **Select** soft key or the **Ⓜ** key an empty **Task** screen displays.
  - **Task** — enter details about the event and press the **Down** Navigation key.
  - **Start Date** — enter the **Start Date** of the event using the keypad. Press the **Down** Navigation key.
  - **Due Date** — enter the date the task is due to complete.
  - **Select Priority** — use the **Left** or **Right** Navigation key to set a priority level. Choose either **High**, **Normal**, or **Low**.
6. When you have finished, press the **Save** soft key.

## Viewing an Event

1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Calendar** and press the **Select** soft key or the **Ⓜ** key.

The calendar displays with today date highlighted.
3. Select the date of the event (s) you want to view and press the **Ⓜ** key.

Alternatively press the **Options** soft key and select **View Mode**, press the **Select** soft key, or the **Right** Navigation key or the **Ⓜ** key and select **Day View**.

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

If there is more than one event for that date, the latest event displays.




The following icons denote events:


 Schedule

 Anniversary

 Memo

 Task

4. Press the **Up** or **Down** Navigation key to scroll to the previous or next event.  
If you want to create a new event for that date while viewing an event press the **Options** soft key and select **Create**, press the **Select** soft key, or the **Right** Navigation key or the  key.
5. Press the  key or press the **Options** soft key, select **View** and press the **Select** soft key or the  key. The event appears in the display.
6. Press the **Options** soft key, to access the event view options.
  - **Edit** — allows you to edit the entry.
  - **Create** — allows you to create a new entry.
  - **Send via** — allows you to send the memo to another phone via **Text Message**, **Multimedia Message**.
  - **View Mode** — allows you to select how you want to view the calendar memos. Choose the following viewing options, **Month View**, **Week View**, or **Day View**.
  - **Delete** — allows you to delete the memo.

- **Memory Status** — allows you to view the memory status of the **Schedule**, **Anniversary**, **Memo**, and **Task**.
7. When you have finished, press the  key.

## Go to





Allows you to go to today or select a specific date.


## Sort by

Allows you to sort items by event type. Choose **Schedule**, **Anniversary**, **Memo** or **Task**.

## Delete

You can delete calendar events one by one, by periods, by month or all at one time.

1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Calendar** and press the **Select** soft key or the  key.
3. Press the **Options** soft key and select **Delete**, press the **Select** soft key, or the **Right** Navigation key or the  key. The following options display.
  - **Selected** — delete selected event.
  - **Periods** — deletes events in a selected range. Press the **Select** soft key or the  key. Enter the **From** date, press the **Down** Navigation key. Enter the **To** date and press the **OK** soft key.
  - **This Month** — deletes items for specified month.
  - **All** — deletes all items in your calendar.
4. Select option and press the **Select** soft key or the  key.

5. Press the **Yes** soft key to confirm deletion.
6. When you have finished, press the  key.

## Missed Alarm Events

This menu option lists alarm events that were missed.

## Memory Status

This menu option lists the available memory for each event category. Use the **Up** or **Down** Navigation key to select **Schedule**, **Anniversary**, **Memo**, or **Task**.



## Section 12: File Manager

### Topics Covered



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- File Manager Menu
  - Audio
  - Graphics
  - Video
  - Other Files
  - Memory Status
- 

This section outlines the various applications that are available on your phone.

## File Manager Menu

To access the **File Manager** menu, do the following:

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  key. The following options appear in the display:
  - **Audio** — allows you to play and manage audio files stored on your phone.
  - **Graphics** — allows you to view and manage graphics stored on your phone.
  - **Video** — allows you to play and manage videos stored on your phone.
  - **Other Files** — allows you to play and manage other files stored on your phone.
  - **Memory Status** — allows you to view the amounts of memory used and available to store audio, graphics, and video files on your phone.
3. Press the number key associated with your choice or use the navigation keys to highlight the desired option and press the **Select** soft key or the  key.

## Audio

In this menu, you can view the list of audio files you have recorded, downloaded (ringtones), or received in multimedia messages. You can set an audio file as the current ringtone. The following options are available:

## Get Ringtones

Using the **Get Ringtones** option on the **Audio** menu, you can access the web site preset by your Wireless Provider and download new sounds.

## Downloaded Audio

Highlight an item in the **Downloaded Audio** menu and press the **Options** soft key. The following options are available:

- **Play** — plays the selected sound.
- **Send via MMS** — allows you to send the selected sound in a multimedia message.
- **Set as** — allows you to set the sound as your Ringtone or as a Caller ID tone.
- **Delete** — allows you to delete the sound or delete all sounds.
- **Rename** — allows you to change the name of the sound.
- **Move to Favorite Audio** — allows you to move the sound to the Favorite Audio list.
- **Protection** — allows you to lock the sound to protect it from deletion.
- **Properties** — displays the sound Name, Date, Format, Size, and Protection.

## Record

The Record option lets you record and save messages and sounds for later reuse. After recording a message or sound, press the **Options** soft key. The following options are available:

- **Play** — plays the newly recorded sound.
- **Record** — returns you to the **Record Audio** screen.

- **Go to Recorded Audio** — takes you to the **Recorded Audio** list.
- **Send via MMS** — allows you to send the newly recorded sound in a multimedia message.
- **Set as** — allows you to set the newly recorded sound as your **Ringtone** or as a **Wake-up Call** tone.
- **Delete** — allows you to delete the newly recorded sound.
- **Rename** — allows you to change the name of the newly recorded sound.
- **Protection** — allows you to lock the newly recorded sound to protect it from deletion.
- **Properties** — displays the newly recorded sound Name, Date, Format, Length, Size, and Protection.

## Recorded Audio

The Recorded Audio list contains your recorded audio messages. Highlight an item in the **Recorded Audio** menu and press the **Options** soft key. The following options are available:

- **Play** — plays the audio message.
- **Send via MMS** — allows you to send the audio message in a multimedia message.
- **Set as** — allows you to set the audio message as your **Ringtone** or as a **Wake-up Call** tone.
- **Delete** — allows you to delete the audio message or delete all audio messages.
- **Rename** — allows you to change the name of the audio message.
- **Move to Favorite Audio** — allows you to move the audio message to the **Favorite Audio** list.
- **Protection** — allows you to lock the audio message to protect it from deletion.

- **Properties** — displays the audio message Name, Date, Format, Length, Size, and Protection.

## Favorite Audio

The Favorite Audio list contains your favorite downloaded and recorded audio files. Highlight an item in the **Favorite Audio** menu and press the **Options** soft key. The following options are available:

- **Play** — plays the audio file.
- **Send via MMS** — allows you to send the audio file in a multimedia message.
- **Set as** — allows you to set the audio file as your Ringtone or Caller ID tone.
- **Delete** — allows you to delete the audio or delete all audio files.
- **Rename** — allows you to change the name of the audio file.
- **Move to Downloaded/Recorded Audio** — allows you to move the audio message back to the Downloaded Audio or Recorded Audio list.
- **Protection** — allows you to lock the audio file to protect it from deletion.
- **Properties** — displays the audio file Name, Date, Format, Length, Size, and Protection.

## Graphics

In this menu, you can view the list of graphics downloaded from the web server or received in messages. You can set a downloaded graphic as the current background image (wallpaper).

The following options are available:

### Get Graphics

Using the **Get Graphics** option, you can access the web site preset by your Wireless Carrier and download new graphics.

### Downloaded Graphics

This menu allows you to access your downloaded graphics.

Scroll to the graphic you want to view. By pressing the **Options** soft key you can access the following options:

- **View** — displays the image.
- **Send via MMS** — allows you to send the graphic in a multimedia message.
- **Set as** — allows you to set the graphic as Wallpaper or as a Caller ID.
- **Delete** — allows you to delete the graphic.
- **Rename** — allows you to change the name of the graphic.
- **Move to Favorite Graphics** — allows you to move the graphic to the Favorite Graphics list.
- **Protection** — allows you to lock the graphic to protect it from deletion.
- **Properties** — displays the graphic Name, Date, Format, Resolution, Size, and Protection.

## Favorite Graphics

This menu allows you to access your favorite graphics. Highlight an item in the **Favorite Graphics** menu and press the **Options** soft key. The following options are available:

- **View** — displays the image.
- **Send via MMS** — allows you to send the graphic in a multimedia message.
- **Set as** — allows you to set the graphic as Wallpaper or as a Caller ID.
- **Delete** — allows you to delete the graphic.
- **Rename** — allows you to change the name of the graphic.
- **Move to Downloaded Graphics** — allows you to move the graphic to the Downloaded Graphics list.
- **Protection** — allows you to lock the graphic to protect it from deletion.
- **Properties** — displays the graphic Name, Date, Format, Resolution, Size, and Protection.

## Video

In this menu, you can view a list of videos downloaded from your wireless provider or received in multimedia messages. The following options are available:

### Downloaded Video

This menu allows you to access your downloaded video clips.

Scroll to the video you want to view. By pressing the **Options** soft key you can access the following options:

- **Play** — plays the video.
- **Send via MMS** — allows you to send the video in a multimedia message.
- **Delete** — allows you to delete the video.
- **Rename** — allows you to change the name of the video.
- **Move to Favorite Video** — allows you to move the video to the Favorite Video list.
- **Protection** — allows you to lock the video to protect it from deletion.
- **Properties** — displays the video Name, Date, Format, Size, and Protection.



### Favorite Video

In this menu you can review the photos you've taken. Highlight a video and press the **Options** soft key to choose from the following options:

- **Play** — plays the video.
- **Send via MMS** — allows you to send the video in a multimedia message.
- **Delete** — allows you to delete the video.
- **Rename** — allows you to change the name of the video.
- **Move to Downloaded Video** — allows you to move the video to the Downloaded Video list.
- **Protection** — allows you to lock the video to protect it from deletion.
- **Properties** — displays the video Name, Date, Format, Size, and Protection.

### Other Files

The **Other Files** menu lists files that have been sent to you. To access this list, 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  key. Highlight **Other Files** and press the **Select** soft key or the  key.
3. Highlight the desired file and press the **Select** soft key.

## Memory Status

You can check the amount of memory being used and memory remaining for sounds, graphics, and videos. Press the **Left** or **Right** navigation keys to scroll between the memory status of Audio, Graphics, Video, and Other files.



Section 12

## Section 13: Internet

### Topics Covered


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- Internet Options
  - Favorites
  - Go to URL
  - Browser Profiles
  - Clear Cache
- 

This section explains how to access the wireless web services of your Wireless Carrier.

## Internet Options

The Internet feature allows you to access wireless web services provided by your Wireless Carrier.

1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Internet** and press the **Select** soft key or the  key.


The following options appear in the display:



- **Home** — takes you back at any time to the home page of the Wireless Web service provider.
- **Favorites** — shows the bookmarks list. You can bookmark the current page or access previously bookmarked pages.
- **Go to URL** — allows you to manually enter the URL address of a wireless web site.
- **Browser Profiles** — allows you to select and edit profiles used to access wireless web sites.
- **Clear Cache** — deletes the information stored in the cache. The cache stores the most recently accessed web pages.

## 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.

### Accessing a Web 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  key.

3. Select **Favorites** and press the **Select** soft key or the  key.
4. Select a favorite on the Favorite list and press the **Select** soft key or the  key.

### Storing a Web URL Address



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

### Editing a Favorite




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

### Deleting a Favorite

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



2. Press the **Options** soft key and select **Delete**.
3. Select **Selected**.
4. Press the **Yes** soft key or the  key to confirm the deletion.
5. When you have finished, press the  key.

## Go to URL

1. In Idle mode, press the **Menu** soft key to access menu mode.
2. Select **Internet** and press the **Select** soft key or the  key.
3. Select **Go to URL** and press the **Select** soft key or the  key.
4. After entering an address, press the **Enter** soft key or the  key to go there directly.

## Browser 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. Highlight **Internet** and press the **Select** soft key or the  key.
3. Select **Browser Profiles** and press the **Select** soft key or the  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 home page. When the default home page displays, you can delete it using the **C** key and enter your own choice.
- **Proxy** — place a check in the box to use the proxy server.
- **IP Address** — enter the IP address of the proxy server.
- **Port** — enter a port number or use default setting.
- **DNS**
  - **DNS1** — enter the primary DNS (Domain Name System) address.
  - **DNS2** — enter the secondary DNS address.
- **Bearer** — select the bearer to be used for each type of network address accessed: GPRS or GSM. The remaining options depend on the Bearer setting.

When the bearer is set to **GPRS**:

- **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.

When the bearer is set to **GSM**:

- **Dial Number** — enter the PPP server phone number
- **Login ID** — enter the PPP server login ID.
- **Password** — enter the PPP server password.
- **Data Call Type** — select a data call type: Analog or ISDN.




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**Note:** The Browser Profile settings may vary depending on the service provider.

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## Clear Cache

The cache is the phone's temporary memory in which the most recently accessed web 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  key.
3. Select **Clear Cache**.
4. Press the **Yes** soft key or the  key to confirm the deletion.
5. When you have finished, press the  key.

## Section 14: Health and Safety Information

### Topics Covered

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- Health and Safety Information
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This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

## Health and Safety Information

### Exposure to Radio Frequency (RF) Signals

#### Certification Information (SAR)

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

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

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all

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

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

#### GSM 850

- Head: 1.27 W/Kg.
- Body-worn: 1.02 W/Kg.

#### PCS 1900

- Head: 0.624 W/Kg.

- Body-worn: 0.312 W/Kg.

SAR information on this and other model phones can be viewed on-line at [www.fcc.gov/oet/fccid](http://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](http://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.**

## 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-slc.gov/SLTC/radiofrequencyradiation/index.html>
- National Institute for Occupational Safety and Health (NIOSH):  
<http://www.cdc.gov/niosh/emfpg.html>
- World Health Organization (WHO):  
<http://www.who.int/peh-emf/>
- International Commission on Non-Ionizing Radiation Protection:  
<http://www.icnirp.de>
- Radiation Protection Division of Health Protection Agency (UK):  
<http://www.hpa.org.uk/radiation/>
- US Food and Drug Administration  
<http://www.fda.gov/cellphones>

## Road Safety

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

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a

car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking

with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies. 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](http://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.

### **Other Medical Devices**

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

### **Vehicles**

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

### **Posted Facilities**

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

### **Potentially Explosive Environments**

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an

explosion or fire resulting in bodily injury or even death.

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


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

## Emergency Calls

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

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

To make an emergency call:

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

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

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

### Restricting Children's access to your Phone

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

## FCC Notice and Cautions

### FCC Notice

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

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire

Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, 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 14

## Section 15: Warranty Information

### Topics Covered

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

**WHAT ARE THE LIMITS ON SAMSUNG'S WARRANTY/LIABILITY? EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:**

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

**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.

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