


8. USERS MANUAL



**DIGITAL CELLULAR
TELEPHONE
SCH-A475
User's Manual**





Safety Quick Guide

Read these guidelines before using your wireless phone. Failure to comply with these guidelines may be dangerous or illegal. For more detailed safety information, see "Health and Safety Information" on page 87.

Road safety comes first

Do not use a hand-held phone while driving; park the vehicle first.

Switch off when refuelling

Do not use the phone at a refuelling point (service station) or near fuels or chemicals.

Switch off on aircraft

Wireless phones can cause interference. Using them on aircraft is both illegal and dangerous.

Switch off in hospital

Switch off your phone near medical equipment. Follow any regulations or rules in force.

Interference

All wireless phones may get interference which could affect performance.

Respect special regulations

Follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

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

Radio frequency exposure information

In August 1996, the Federal Communications Commission (FCC) of the U.S. adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. The design of this phone complies with the FCC guidelines and those standards.

To maintain compliance with FCC RF exposure guidelines, if you wear a handset on your body, use the Samsung-supplied or approved carrying case, holster, or other body-worn accessory.

If you do not use a body-worn accessory, ensure the antenna is at least 0.8 inches (2.0cm) from your body when transmitting. Use of non-approved accessories may violate FCC RF exposure guidelines.

Use sensibly

Use only in the normal position (to ear). Avoid unnecessary contact with the antenna when the phone is switched on.

Accessories and batteries

Use only SAMSUNG-approved accessories and batteries.

Use qualified service

Only qualified service personnel may install or repair your phone.

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Your Phone

Key Descriptions

Key Functions

MENU : Enters the menu facility. Also, scrolls through the menu options.

OK : *In the menu facility*, selects a menu function or stores information that you have entered (such as a name) in the phone memory. *In Standby mode*, enters the Mail Kit Menu.

Navigation : *In the menu facility*, scroll through the menu tions and phonebook memory.
up: enters the game menu.
down: changes the idle screen.
left: enters the voice mail.
right: enters the phonebook.



Makes or answers a call.
In Standby mode, redials the last outgoing number when pressed twice.

CLR : Deletes characters from the display.
In the menu facility, returns to the previous menu level.



Ends a call. Also switches the phone on and off when pressed and held.
In the menu facility, returns to Standby mode and cancels your input.

Volume : *During a call*, adjusts the voice volume. *In Standby mode with the phone open*, adjusts the ringer volume. *In the menu facility*, scrolls through the menu options.

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Key Descriptions (continue...)

Key Functions

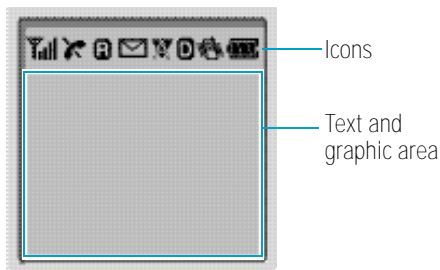
***** : When held down to access the voice dial function in idle mode.

: When held down to toggle between the silent mode on and off

Display

Layout

The display comprises two areas: an upper line of fixed icons, and the lower text and graphic area. The following icons display at power-on:



Icons

Signal strength : Shows the received signal strength. The greater the number of bars, the better the signal strength.

Service: Appears when a call is in progress.

No service indicator: Appears when you are outside a service area. When it appears, you cannot make or receive calls. Wait a little while for a signal or move into an open area.

Roaming: Appears When you are out of your home area and have registered with a different network (when travelling in other countries, for example).

New Message: Appears when a new text message has been received.

Analog mode: Indicates the analog mode.

Digital mode: Indicates the digital mode.

Vibrator on: Appears when a vibrate mode is on. An incoming call will vibrate the phone rather than ring it.

Battery strength: Shows the level of your battery. The more bars you see, the more power you have left.

Backlight

The display is illuminated by a backlight. When you press any key, the backlight illuminates. It turns off if no key is pressed within a given period of time.

Service Light

The service light is at the top right of the phone. It flashes to indicate incoming call or message. Also, the service light flashes for a few seconds when you turn on the phone.

Getting Started

Charging a Battery

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

The phone can be used while the battery is charging.

Note: You must fully charge the battery before using your phone for the first time.

1. Connect the lead from the travel adapter to the bottom of the phone. Check that the arrow on the lead connector is facing towards the front of the phone.
2. Connect the adapter to a standard AC wall outlet.

The LEDs on the front of the charger indicate the following:

Red indicates that the battery is charging.


Green indicates that the battery is fully charged.


Yellow indicates that the battery is operating at a temperature that is too high or too low, or that something is not plugged in correctly. Check the charger and battery for proper connections.

- When charging is finished, disconnect the adapter from the power outlet.


Disconnect the adapter from the phone by pressing the grey tabs on either side of the connector and pulling the connector out.

Low Battery Indicator


You can easily tell if your battery needs to be recharged by checking the battery strength indicator  in the upper-right corner of your phone's display. The presence of all three bars indicates a full charge, two bars indicates a smaller charge, and one bar indicates an even smaller charge. No bars (the battery icon is empty) means your battery must be charged.


When the battery charge level gets low, the battery sensor blinks an empty battery icon (), sounds a tone. If the battery level gets too low, the phone will turn off automatically. Unfortunately, if this happens you'll lose whatever you are doing, including dropping your call. Watch the battery strength icon and make sure your battery is adequately charged.

Switching the Phone On/Off

- Open the phone.
- Hold down the  key for more than one second to switch the phone on.


The service light on the right of the phone flashes, and an alert sounds. When the system locates services, the greeting message displays along with the date and time.

If the phone is out of service, the  icon appears in the display. In this case, you cannot place and receive calls. You can try again later when service is available.

- When you wish to switch the phone off, hold down the  key for more than two seconds.

Call Functions

Making a Call

In Standby mode, key in the area code and phone number and press the  key.

Correcting the Number

To clear ...

The last digit displayed


The whole display


Then

Press the **CLR** key.


Hold down the **CLR** key for more than one second.

Ending a Call



When you have finished your call, briefly press  or close the phone.

If you press , the call time (length of the call) displays briefly and the phone returns to Standby mode.

Redialing the Last Call


To redial the last call you made, press  twice quickly.

Your phone stores the last 10 incoming or outgoing calls. To recall any of these numbers, proceed as follows.

1. If there are any characters on the display, clear the display by holding down **CLR** for more than one second.
2. Press . The list of outgoing calls are displayed.
3. Use the navigation key to scroll through the list until you select the required name or number.
4. Press  to dial the number displayed.

Speed Dialing

Once you have stored phone numbers in the phone book memory, you can dial them easily whenever you want.

You can dial the stored phone number automatically without pressing the  key. See below.

One-Touch Dial

Memory locations 01 through 09 are special one-touch locations. You can dial the phone numbers stored in the Phone Book memory from 01 through 09 simply by pressing one button.

Press and hold the third digit of the memory location containing the number to be dialed.

For example: Location no. 009
Press and hold **9**.

The number (and name) stored is displayed, then dialed.

Two-Touch Dial

Memory locations 10 through 99 are special two-touch locations.

Press the second digit briefly, then hold down the third digit of the memory cell.

For example: Location no. 023
Press 2 briefly and hold down 3.

The number (and name) stored is displayed, then dialed.

Three-Touch Dial

Memory locations 100 through 169 are special three-touch locations.

Press the first and the second digit briefly, then hold down the third digit of the memory cell.

For example: Location no. 123
Press 1 and 2 briefly, then hold down 3.

The number (and name) stored is displayed, then dialed.

Pause Dialing

When you call automated system, like banking services, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Phone Book, separated by special characters called pauses.

Your phone has two pause dialing methods:

- Pause dialing from the Phone Book
- Manual pause dialing

Storing Pauses in a Phone Book Entry

To store a number in your Phone Book that contains pauses:


1. Enter the phone number you want to store (such as the bank's tele-service phone number).
2. Press the **MENU** key.

The letter "p" displays in the number, meaning that a hard pause will occur at that point in the dialing sequence.

Note: The digits before the "p" dial the tele-service. The "p" stops the dialing and waits for the tele-service to prompt you for a number. The number following the "p" is your account number, PIN, etc.

3. Enter the digits that need to follow the pause (such as your account number).
4. Store the number in your Phone Book as you normally would by pressing the **OK** key and following the screen prompts.

Pause Dialing from a Stored Phone Book Entry


1. Dial the number from the Phone Book.
2. Wait for the appropriate prompt for the number (credit card number, bank account number, etc.).
3. When prompted, press the  key to send the DTMF number that follows your hard pause.


"SENDING DTMF" flashed on the display and the transmitted tone sounds.

Manual Pause Dialing

You can enter pauses manually during the dialing process.

1. Enter the phone number of the service you want to connect to (such as a bank's tele-service phone number).
2. Press the **MENU** key to insert a pause.



The phone displays a "p" meaning a pause. Enter the number to be sent after the pause and then press the  key.

3. After connecting, press the  key again to transmit the additional number at the prompt from the tele-service.

Answering a Call

When somebody calls you, the phone rings and the phone icon is displayed in the middle of the external display.

If the caller can be identified, the caller's phone number (or name if pre-stored in your Phone Book) is displayed. If the caller cannot be identified, only the phone icon appears.

1. To answer a call, open the phone. If the phone is already open, press the  key.
2. End the call by closing the phone or pressing the  key.

Note: You can answer a call while using the phone book or menu features. The current operation will be interrupted.

In-Call Options

Your phone provides a number of functions that you can use during a call. You may not utilize all of these functions at all times. Many of the in-call options are network services.

Press the **MENU** key during a call to access the following in-call options:

Mute/Unmute: allows you to switch your phone's microphone off, so that the other party cannot hear you.

Example: You wish to say something to another person in the room but do not want the other party to hear you.

Calls: allows you to access the **Calls** menu.

Phone Book: allows you to access the **Phone Book** menu.

Silent Key: does not transmit the key tones. It allows you to press keys without hearing annoying key tones during a call.

Note: To communicate with answering machines or computerized telephony systems, the **Silent keys** option must be disabled.

Send Tel #: sends DTMF tones of your number.

My Phone #: shows your phone number.

Version: allows you to view the software and hardware version of your phone.

Send DTMF: sends DTMF tones of the currently displayed number. DTMF (Dual Tone Multi Frequency) tones can be used to control electronic phone services such as bank-by-phone or voicemail. During a call, key in the digits you want to send as DTMF tones, for example, the bank account number and password. Then select this in-call option.


Using Caller ID

This feature tells you who is calling you by displaying the caller's number when the phone rings. If a caller's name and number are stored in your Phone Book, the corresponding name is also displayed. If you call someone who has this feature, your phone number will be displayed on the their phone.

Note: Contact your service provider to setup the Caller ID service.

Viewing Missed Calls

Your phone keeps a list of calls that you do not answer when the phone is on and service is available. The phone indicates a missed call by displaying a text notification on the screen. Additionally, if caller information is available, the screen displays the phone number of the most recent missed call.

Press  to call the displayed number, or the **OK** key to save the number in Phone Book.

Dropped Calls

A dropped call can occur during a conversation in response to a signal fade or leaving a service area. In this case, the call ends and "Call Dropped" displays.

Failed Calls




A failed call can occur if your phone is out of calling range or the network is temporarily busy. Your phone responds to a failed call by displaying an appropriate message: "Call Failed Out of Range" or "Call Failed Network Busy."

Three-Way Calling

This feature enables you to conduct conference calls with two separate parties at the same time. The phone records each party into the Outgoing Calls Log. Also, You are billed airtime for each outgoing call separately.

Note: Contact your service provider to activate Three-Way Calling.

To place a Three-Way call:

1. During a conversation, press  . The phone places the other party on hold.
2. Enter the phone number for the third party, and then press  . The phone dials the third party.
3. When you are connected to the third party, press  again to begin your three-way call.

If one of the callers (not you) hangs up, you and remaining caller stay connected. If you initiated the call and you hang up first, all three parties are disconnected.



Call Waiting

Call Waiting lets you receive a second call during conversation. Your phone notifies you of a call waiting by beeping and displaying “Call Waiting.”

Your phone provides the option of turning the Call Waiting feature on and off (if you have subscribed to the service). Call Waiting is on by default in the phone. If you choose to have a undisturbed conversation, simply turn off the feature for the current call.

Note: Contact your service provider to activate the Call Waiting service.

To answer a waiting call:

1. To answer the call, press  . The phone connects the calling party, and places the current party on hold.
2. Press  again to switch between two parties.

Note: If you do not respond to a Call Waiting notification, the phone will forward the call to voicemail or another number that you have set up. Contact your service provider for more information.

Call Forwarding

This feature provides the option of forwarding incoming calls to another phone number, even while your phone is off. Activating Call Forwarding does not affect outgoing calls made from this phone. Contact your service provider to activate Call Forwarding.

Adjusting the Volume

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

In Standby mode, you can adjust the ring volume using the same keys.

Quick Switching to Silent Mode

You can quickly switch your phone to the silent mode with a touch of **#**. Press and hold the key. The silent icon appears in the display.

Press and hold **#** again to exit the silent mode.

This feature is convenient when you are in a hurry to mute the phone sound such as when in a theater.

Entering Text

Changing Text Input Mode

When using your phone, you will need to enter text at many times. For example, when storing a name in the Phone Book, creating your personal greeting or scheduling events in your calendar. You can enter alphanumeric characters into your phone by using your phone's keypad.

When you are prompted to enter text, the current text entry method will appear in the bottom of the display as **T9**, **Abc**, **123** or **SYM**.

To change the input mode, press **MENU** and then press the navigation key to scroll to the mode you want and press **OK**.

T9 Mode

The T9 predictive text input mode allows you to enter words easily with a minimum of key presses. As you press each key, the phone selects a letter that makes up the word that it thinks you are typing, based on a built-in dictionary. As a new letter is added, the word changes based on the key that you have pressed.

1. When you are in the T9 predictive text input mode, start entering a word by pressing keys **2** to **9**. Press each key only once for one letter.

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

2. Enter the whole word before editing or deleting any keystrokes.

3. If the word is correct, start entering the next word.

Otherwise, press **0** repeatedly to display alternate word choices for the keys that you have pressed.

4. Complete each word with a space by pressing the **#** key.

To type words not found in the T9 mode, change the text input mode to the ABC mode.

To delete letters, press **CLR**. Press and hold down **CLR** to erase entire words.

Alpha Mode

When typing in **Alpha** mode, you should press key labeled with the required letter:

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

For example, you press **2** three times quickly to display the letter "C", **5** two times quickly to display the letter "K". So, this method is called Multi-tap typing.

Refer to the table on next page for the list of characters assigned on each key.

List of characters available:

Key	Characters in the Order Displayed			
1	1 . - ? ' : @ () ! / \ ; [] " < > \$ ~ _ = + % * & # à á â ã ä å ç è é ê ë ì í î ï ñ ò ó ô õ ö ù ú ü ý			
2	A	B	C	2
3	D	E	F	3
4	G	H	I	4
5	J	K	L	5
6	M	N	O	6
7	P	Q	R	S 7
8	T	U	V	8
9	W	X	Y	Z 9
0	0			

(Caps Lock mode)

To shift the case of the next letter(s) that you type, press * one or more times. There are three shift states: Lower Case is indicated by abc in the right corner of the display, Initial Capital is Abc, and Capitals Lock is ABC.

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 right automatically, and then select the next letter.

If you enter a specific word in this mode the first time, the word is automatically added to your phone's database, and offers the new word as an option for its keystroke sequence when you are in the T9(English) mode.

- Press # to insert a space.
- To move the cursor left or right through your text message, press the navigation key.
- Press **CLR** one or more times to clear letters to the left.

Symbol Mode

Symbol mode enables you enter symbols into a text message.



Press the navigation key to display more symbols up to Set 6.

Press keys corresponding to the desired mark, then the phone automatically switches back to the text entry mode used just prior to selecting the Symbol mode.

Number Mode

Number mode enables you to enter numbers into a text message. Press keys corresponding to the desired digits, and manually switch back to text entry mode of choice.

Using the Menus


The phone offers a range of functions that allows you to tailor the phone to your needs. These functions are arranged in menus and submenus.

The menus and submenus can be accessed by scrolling or by using the shortcuts.

Accessing a Menu Functions by Scrolling

1. In Standby mode, press the **MENU** key to access the menu facility. Scroll with the navigation key to reach the desired main menu. Press the **OK** key.
2. If the menu contains any submenus, find the one you want by scrolling with the navigation key. Press the **OK** key to enter the submenu.
If the menu you have selected contains submenus, repeat this step.
3. Scroll with the navigation key to find the setting of your choice. Press the **OK** key to confirm the chosen setting.

Notes:

- You can return the previous menu level by pressing the **CLR** key.
- You can exit the menu without changing the menu settings by pressing .

Accessing a Menu Functions by Using its Shortcut

The menu items (menu, submenus and setting options) are numbered and can be accessed quickly by using their shortcut number.

1. In Standby mode, press the **MENU** key to access the main menu.
2. Within three seconds, key in the first digit of the shortcut number. Repeat this for each digit of the shortcut number.
3. Find the setting of your choice pressing the navigation key and then press the **OK** key.

Note: The numbers assigned to each menu function are indicated on the list on the next page.

Your Phone's Main Menu

Main menu	Main menu 1	Main menu 2
1. Calls	1. Outgoing 2. Incoming 3. Missed 4. Erase Logs 5. Air Time	1. Outgoing 2. Incoming 3. Missed 4. All 1. Last Call 2. Total 3. Erase Total 4. Life Time
2. Phone Book	1. Find Name 2. Add Entry 3. Find Entry 4. Relation Search 5. Add email	
3. Web	1. Get in Web 2. Prompt	
4. Scheduler	1. Today 2. View Month 3. Date 4. To Do List 5. Countdown 6. World Time 7. Calculator 8. Alarm Set	
5. Sounds	1. Ringer Vol 2. Ringer Choice 3. Key Beep 4. Alerts 5. Voice Volume 6. Roam Ringer 7. Power On/Off	1. Minute Beep 2. Service 3. Connect 4. Disconnect 5. Fade 6. Roam 7. Privacy
6. Display	1. Backlight 2. Banner 3. Animation 4. My Phone# 5. Language 6. Set Time 7. Auto Hyphen 8. LCD Contrast 9. Version	

Main menu	Main menu 1	Main menu 2
7. Voice Dial	1. Record 2. Play/Erase 3. Set Active 4. Training 5. Undo Train	
8. Voice Record	1. Voice Memo 2. Call Answer	
9. Game	1. Push Push 2. Fly Ribbon 3. Puzzle World 4. Spider Hunter	
*. Setup	1. Auto Retry 2. Auto Answer 3. Answer Mode 4. Tone Length 5. Set NAM 6. Roam Option 7. Data/Fax 8. Set Network	
0. Mail Kit	1. New Message 2. Inbox 3. Outbox 4. Delivery 5. Msg Setup	
#. Security	1. Lock Mode 2. Restrict 3. Lock Code 4. Emergency # 5. Send PIN 6. Clear MEM 7. Reset Phone 8. Privacy	

Calls

You can use the **Calls** menu to:

- View and dial the last outgoing or incoming numbers.
- Erase the numbers in the Call Log memory.
- View the duration of calls.

Outgoing

Menu 1-1

The phone stores up to 10 outgoing calls you dialed. When you access this menu, the list of outgoing calls is displayed.

To ...

Select an entry

Dial the selected entry

View the details

Press ...

up or down navigation key



OK

When you press the **OK** key, you can view the date/time stamp for the selected entry. If there is a Phone Book match, the name and the label display.

Press the **MENU** key to access **Options**. The following options are available:

Talk: dials the selected number.

Show Entry (or **Store** if the phone number is not currently stored in the Phone Book): shows the phone book entry or stores the number in the Phone Book.

Prepend: allows to add an area code or feature code to the number before calling the number.

Incoming

Menu 1-2

This option lets you view the last 10 calls received. (if you are subscribed to the caller ID service). When you access this menu, the last incoming calls are displayed.

To...

Press ...

Select entry

up or down navigation key

Dial the selected entry



View the details

OK

When you press the **OK** key, you can view the date/time stamp for the selected entry. If there is a Phone Book match, the name and the label display.

Press **MENU** to access **Options**. The following options are available:

Talk: dials the selected number.

Show Entry (or **Store** if the phone number is not currently stored in the Phone Book): shows the phone book entry (or stores the number) in the Phone Book.

Prepend: allows to add an area code or feature code to the number before calling the number.

Missed

Menu 1-3

This option lets you view the last 10 calls missed. (if you are subscribed to the caller ID service). When you access this menu, the last missed calls are displayed.

To...

Press ...

Select entry

up or down navigation key

Dial the selected entry



View the details

OK

When you press the **OK** key, you can view the date/time stamp for the selected entry. If there is a Phone Book match, the name and the label display.

Press **MENU** to access **Options**. The following options are available:

Talk: dials the selected number.

Show Entry (or **Store** if the phone number is not currently stored in the Phone Book): shows the phone book entry (or stores the number) in the Phone Book.

Prepend: allows to add an area code or feature code to the number before calling the number.

Erase Logs

Menu 1-4

You can erase the numbers stored in the Call Log memory.

Outgoing: The numbers you called are erased.

Incoming: The numbers you received are erased.

Missed: The numbers you missed are erased.

All: All calls you dialed and received are erased.

Airtime

Menu 1-5

Using this option, you can view the call time of the last call, as well as total air time for all calls since you last reset the timer.

Last Call: the date, time, and length of your last call.

Total: the total number of calls and total airtime. You can reset the total airtime by **Erase Total** option.

Erase Total: resets the call timers.

The counter is reset to zero and begins counting the next time you make or receive a call.

Lifetime: the total air time for your phone since it was purchased. This airtime log is kept for historical and maintenance reasons, and cannot be erased.

Phone Book

The Phone book allows you to store frequently used phone numbers and the associated names in your personal directory to make it easy for you to make a call without having to remember or enter the phone number. You can store up to 169 numbers.

Find Name

Menu 2-1

This option displays the stored names in the Phone Book in alphabetical list.

Press the navigation key to scroll to the desired name. You can also enter the first letter(s) of the name by pressing the associated alphanumeric key. Using this method, the phone searches for the names in the list beginning with that letter(s), and then displays the first name in that section of the list. Then, press **OK** to display the selected entry.

When the desired entry displays, press **SEND** to place a call.

If you press **MENU**, you can access the following options:

Talk: dials the number.

Add Phone#: allows you to add several different types of numbers to the name, such as work office number or mobile number.

Edit: allows you to edit phone number, name, or entry number. **Set Secret** option prevents the number from being displayed on the screen. **Set Speed Dial** option allows you to designate the number to be dialed as a speed-dial number.

Prepend: prepends the number to add an area code or feature code to the number before dialing.

Erase: erases the number.

Name Ringer: allows you to designate a unique tone to signal an incoming call by the number.

Email Address: allows you to add an e-mail address.

Add Entry

Menu 2-2

This menu allows you to store a number with a name in your Phone Book. Using this feature, you can keep someone's information together. It also helps you to find numbers easily in the Phone Book.

Creating a New Entry

1. Press the digit keys to enter the phone number up to 32 digits.
2. Press **OK** to save the number.
3. If the New Entry option is highlighted, press the **OK** key to enter information of the number in the phone book. If not, skip to step 7.
4. You can have seven items. To edit each items proceed as follows.

To ...	Then press the...
scroll through the items	navigation key
edit or enter each item	MENU key
save each item	OK key
go to the previous screen	CLR key

Phone Number: enter your new telephone number.

Name: enter a name up to 12 characters.

Location: enter a desired memory location or press the navigation key to assign the available memory location.

Secret: select secret On or Off.

Category: select one among Voice Dial, Speed Dial, Home, Office, Mobile, Pager or Fax and No Label using the navigation key.

Relation: select one among No group, Friend, Family, Colleague and VIP.

Ringtype: select the desired ring type.

4. Press the **OK** key to save the new phone number.

Find Entry

Menu 2-3

This option allows you to find an entry by location number.

Enter the location by pressing the number keys or press the navigation key to scroll to the desired location, then press **OK** to display the selected entry.

When the desired entry displays, press **SEND** to place a call.

If you press **MENU**, you can access the Options. For details on the Options, refer to the **Find Name** menu.

Relation Search

Menu 2-4

Your phone allows you to hide a confidential number so that only a person with your phone's Lock Code can view that name and number. To make a number "Secret," see "To add a new phone number to the phone book" on page 47. When you have made the number "Secret," the phone does not permit anyone to view information on that particular number unless the four-digit lock code is entered.

Add email

Menu 2-5

You can add an email address entry to the phone book for text messaging. Your phone can send a message via the network to an email address.

To add an email address;

1. Press the numeric keys.
2. Press **OK** to accept.
3. Add the email as a New Entry.
4. Press **OK** to save the entry.

Web

Your phone comes equipped with Wireless Web Internet access through a Browser. The Browser displays immediate information through your phone. You can view specially designed versions of popular sites which include sports, weather, news, stock quotes, etc.

Browsing the Web through your phone is not the same as using your PC since site providers have only selected certain aspects of the available sites to present to the wireless phone users and have removed most graphics.

Each time you launch the Browser, the phone will connect to the Internet. Rates and pricing vary according to your service option. For further information contact your service provider.

Note: The phone must be in a digital network to use the Browser.

Get in Web

Menu 3-1

This menu allows you to launch the Browser. You can also launch the Browser by pressing the internet hot key in idle mode.

Once connected, the Home page (or the last page visited), will be displayed.

To exit the Browser press the **END** key or close the phone's flip cover.

Prompt

Menu 3-2

Your phone can be set to view a prompt each time you start or end a Browser session. You have the option to change this default prompt setting. The default setting may differ as it is based upon the carrier's requirement.

This menu allows you to change the settings.

None: This prompt is never displayed.

To Start: You will see this prompt when you enter the browser, but not when you exit it.

To End: You will see this prompt only when you exit the browser.

Both: You will be prompted when you enter or exit the browser.

Scheduler

The Scheduler feature enables you to:

- Keep track of important dates and events
- Create a list of things to do
- Check the time in another part of the world
- Use the phone as a calculator

Today

Menu 4-1

You can schedule up to 9 events for the current day indicating each event's start and end time. You can even have your phone's calendar alert you before an event is to start. Events scheduled for future dates automatically appear on your Today events schedule on that day.

Scheduling an Event

1. Enter your event information. You can enter up to 32 characters.
2. Press **OK** to accept your entry.
3. Enter the Start Time and Date, and press **OK**.

Note: Press the volume key on the left side of the phone to toggle between AM and PM.

4. Enter the End Time and Date, and press **OK**.

5. Select an alarm to notify your of your event by pressing the navigation key. The available alarm options are: **10 minutes Before**, **30 minutes Before**, **1 hour Before**, **No Alarm** and **On time**.
6. Press **OK** to save your event.

Adding, Editing, or Erasing an Event

If you already scheduled events when you select the **Today** menu option (**4.1**), the events are displayed. Press the navigation key to select the event you want to view. If necessary, press **OK** to display more contents in the selected to do item.

The following options are available when you press **MENU**.

New Event: allows you to add a new event.

Edit Event: allows you to edit a scheduled event.

Erase Event: allows you to erase a selected events.

Exit: exits the Options menu.

After you select an option, press **OK**. Then follow the screen prompt.

View Month

Menu 4-2

This option allows you to view in calendar format the current month, or a past of future month. In this option, the current date is highlighted on the calendar. Days with the scheduled events are underlined.

Creating a New Event

Scroll to the desired date in the calendar using the navigation keys and volume keys and then press to confirm the selected date. And schedule a new event referring "Today".

Adding, Editing, or Erasing a Event

When a stored memo is displayed, press **MENU** to access the **Options**.

For further details on Options, refer "Today".

Date

Menu 4-3

This feature allows you to specify the calendar date you want to view. Once at your desired date you can enter, edit and delete events in your calendar.

1. Enter the date using the numeric keys, and press **OK**.
2. The calendar screen displays the newly entered highlighted date.
3. Pressing the **MENU** key displays the options View and Add new.
4. Scroll to view and press the **OK** key.

To create, edit or erase the events, refer to "Today".

To Do List

Menu 4-4

This feature allows you to draw up a list of tasks to be done and assign a priority and deadline to each task.

Creating the To Do List Item

1. Enter the first task.

Note: You can enter up to 32 characters. For further details on how to enter characters, see page 36.

2. Press **OK** to confirm.

3. Enter your deadline using the numeric keys.

Note: Press the volume key on the left side of the phone to toggle between AM and PM.

4. Select high or low priority using the navigation key and then press **OK**.
5. Your phone saves your input.

Adding, Editing and Erasing an To Do Item

If tasks are already defined in the To Do List when you select the **To Do List** menu option (4.5), the current contents are displayed with the deadline and the associated priority (! for High or - for Low).

Scroll to the desired item by pressing the navigation key. If necessary, press **OK** to display more contents in the selected to do item.

The following options available when you press **OK** .

New Event allows you to add a new task.

Edit Event allows you to edit a saved task.

Erase Event allows you to erase the selected task.

Exit: exits the Options menu.

After you select an option, press **OK** . Then follow the screen prompt.

Count down

Menu 4-5

This menu help you know how much time it takes you to do something, or how many months, days, hours and minutes until a specific day. You can create up to 5 Count down timers using this menu.

Creating a Count down Timer

1. Enter a name for your new Count down item and press **OK** .
2. Enter the date and time that you want to count down to or from.

Notes:

- Press the volume key on the left side of the phone to toggle between AM and PM.
- You can enter the years between 1980 and 2099 for dates.

3. Press **OK** to save the item.

Adding, Editing and Erasing a Countdown Timer

If a Countdown timer is already defined when you select the **Countdown** menu option (**4.5**), the defined Countdown timer is displayed.

If there are more than one items defined in the menu, scroll to the desired item by pressing the navigation key, and press **OK** .

The following options are available when you press **OK** .

New Event: allows you to create a new item.

Edit Event: allows you to edit the item.

Erase Event: allows you to delete the item.

Exit: exits the Options menu.

After you select an option, press **OK** . Then follow the screen prompt.

World Time

Menu 4-6

This menu allows you to check the current time for Greenwich Mean Time (GMT) and 24 major cities around the world:

Select the city corresponding to your time zone by pressing the navigation keys one or more times. The local date and time are displayed.

Calculator

Menu 4-7

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

Using the Calculator

1. Enter the first number using the numeric keys.
2. Press the navigation key to set the operator for your calculation until the required arithmetic symbol appears: + (add), - (subtract), x (multiply), / (divide).
3. Enter the second number.
4. To calculate the result, press **OK**.
5. Repeat steps 1 to 4 as many times as required.

Each time you change the operator, the previous calculation is performed and the result is displayed as the top number in the display.

Notes:

- To erase any mistakes and clear the display, press **CLR**.
- Use * to enter a decimal point and # to change the sign of a number to a negative (-).

Alarm Set

Menu 4-8

Your phone has an alarm clock function with three separate alarms. Each alarm can be set to go off once, or daily at a set programmed time. Once you set an alarm, it is easy to change its time or to turn it off.

1. Select the alarm you want to set by pressing the navigation key. Your choices are **Once**, **Daily**, or **Off**.
2. Press the **OK** to select the desired alarm.
3. Follow the prompts to save the alarm setting of choice.
4. Press the **CLR** to return to the previous menu.

Sounds

You can use the **Sounds** menu to customize various sound settings, such as the:

- Ring volume, type, and tone
- Alert sounds
- Alarm

Ringer Volume

Menu 5-1

This option allows you to adjust the ringing volume.

Press the navigation keys or the volume keys on the left side of the phone) to adjust the volume. The more the bars, the louder the volume, and no bar means the the ringer is turned off.

In Standby mode, you can adjust the ringer volume using the volume key.

Note: During an incoming call, you can mute the ringer by pressing the volume key on the left side of the phone.

You can choose one of the ringer type among **Calls**, **Messages**, **Alarm**.

When you select the ringer type, you can adjust the volume with the volume or navigation key, then press **OK** to save the setting.

Ringer Choice

Menu 5-2

This option allows you to indicate how you are to be informed of voice calls, messages(voice mail, text, browser message), alarms, data/fax in or schedule.

Key Beep

Menu 5-3

This option allows you to adjust the tone volume that the keypad generates when you press a key.

Press the navigation keys up or down to adjust the volume. The more the bars, the louder the volume, and no bar means the the ringer is turned off.

Alerts

Menu 5-4

Minute Beep: With this menu option set to **ON**, the phone sounds an alert 10 seconds before each elapsed minute to remind you of the length of the current call.

Service : With this menu option set to **ON**, the phone beeps when you exit service area or when you return to a service area.

Connect: You can set your phone to sound the connect tone when your call is connected to the system.

Disconnect: You can set your phone to sound the connect tone when a call is disconnected or dropped.

Fade: You can set your phone to sound when it's fade.

Roam: You can set your phone to sound when it's roaming.

Privacy: You can set your phone to sound when privacy mode.

Voice Volume

Menu 5-5

This option allows you to adjust the ringing volume. Scroll between softest-loudest with the up/down navigation key. When the desired setting is displayed, press the **OK** key to save. To cancel or return to the previous menu, press the **CLR** key.

Roam Ringer

Menu 5-6

When the roam ringer option is set to on, the phone sounds an alert when:

- The phone experiences a dropped call or a failed call.
- The phone enters or leaves a service area.

Power On/Off

Menu 5-7

This menu enables or disables the phone sounds when it is switched on or off.

When the power on/off option is set to on, the phone sounds an alert when:

- When the handset is powered on or off.
- The phone experiences a dropped or failed call.
- The phone enters or leaves a service area.

Display

The Display feature enables you to:

- Set the length of time for backlight
- Create your own greeting and select the power on/off image
- View your phone number and the version of your phone
- Set the language for the display and voice prompts.

Backlight

Menu 6-1

You have several options for setting how the LCD backlight operates. Remember that backlight use drains your battery faster.

Always On: The backlight used always.

7 SECONDS: The backlight comes on when you press a key or receive a call and switches off 7 seconds after the last key is pressed.

15 SECONDS: The backlight comes on when you press a key or receive a call and switches off 15 seconds after the last key is pressed.

30 SECONDS: The backlight comes on when you press a key or receive a call and switches off 30 seconds after the last key is pressed.

Folder Open: The backlight comes on each time you open the phone.

Banner

Menu 6-2

The banner option allows you to edit the banner displayed on the standby screen. It can also be used as your ID when sending an e-mail.

Enter your banner up to 12 digits by using the alphanumeric keys. For further details on how to enter letters, refer to page 36.

Animation

Menu 6-3

Your phone displays graphics images when it is turned on or off. This setting is just for fun and grins so have fun with it. You have a few graphics to select from for these power on and off images.

The following options are available:

Wall Paper: You can select an image to be displayed in idle mode.

Incoming: You can select an image to be displayed when you get an incoming call.

Power On: You can select an image to be displayed when you switch the phone on.

Power Off: You can select an image to be displayed when you switch the phone off.

My Phone

Menu 6-4

Your phone number displays every time you turn on the phone unless you set it to hide (see "Hide My Number" on page 93).

The phone displays your phone number and the NAM you are currently using.

Language

Menu 6-5

Sets the language of voice prompts, menus and key-input.

Select the desired language by pressing the navigation key.

Set Time

Menu 6-6

When you set this option to on, your phone works as a standard clock.

Auto Hyphen

Menu 6-7

When you dial a number, hyphenation is performed automatically by the phone.

LCD Contrast

Menu 6-8

Sets the LCDcontrast.

Press the navigation keys or the volume keys on the left side of the phone) to adjust the contrast. The more the bars, the darker.

Version

Menu 6-9

This option allows view the software and hardware versions of your phone. This feature is helpful if you have to call customer care.

Voice Dial

When your phone is in digital mode, you can call up to 20 stored entries by speaking the name into the microphone. Using the Voice dialing option requires that you first record the name of the person you are calling so your phone recognize it.

Record

Menu 7-1

This option allows you to record names and register numbers for subsequent voice dialing. The phone provides voice prompts and screen displays to guide you through the recording process.

1. Say the name you want to program at the prompt. The phone stores the name as a first sample, and then prompts for the name again.
2. Respond to the prompt by repeating the name after the beep. The phone stores the name as a second sample, and then requests the phone number.
3. Enter the phone number by pressing the numeric keys.
4. To store the phone number, press **OK**. The name (if matched up to Phone Book) and number display, along with the notification **Recorded**.

Tips on Recording Name

- Avoid recording similar names phonetically. If you record a similar name to the one already in memory, the phone requests another name.
- Speak clearly and naturally.
- The person who will use the phone should record the name. The phone does not recognize the name if the voice sounds differently.
- Avoid too long or too short name. Names with two to five syllables are recommended.
- If this feature does not work properly, erase the name, and record with another name.
- It is recommended to practice several times to obtain best result.
- You can record up to 20 names. If you try to record more than 20, the phone announces 'Memory is full'.

Play/Erase

Menu 7-2

This option allows you to check or erase an individual voice dial entry. A list of entries displays.

Press the numeric key to select the desired entry, or press the navigation key to scroll to the entry and press **OK**.

When you select the desired entry, the recorded name plays, and if you do nothing, your entire voice dial list is scrolled and each entry played. When the last entry is played, the phone returns to Standby mode.

Set Active

Menu 7-3

Voice Dialing is always active once you have recorded a name and have entered the associated phone number.

You can also initiate a Voice Dialing call just by opening the phone, when you select this option.

[*] only: Enables Voice Dialing only by pressing and holding * .

[*] / Folder: Enables Voice Dialing by pressing and holding * or by opening the phone.

Training

Menu 7-4

To use voice dialing, you must train the phone. To train the phone, you are asked to say the word 'Yes' and then to repeat it. You are then asked to say the word 'No' and to repeat it.

Undo Train

Menu 7-5

When your phone's screen displays 'un-training control words proceed?'. Select the **OK** to 'Un train' or **CLR** to return to the previous menu.

Voice Record

Voice Memo

Menu 8-1

Record

You can record four separate voice memos. Each voice memo can be up to one minute in length. When recording, a 60-second timer displays and an alert sounds to indicate when recording time expires.

When you speak into the phone to record the voice memo, press **OK** to stop recording.

The record finished screen is displayed with the following choices:

Review: to review the voice memo. The screen displays the length of the recording with the date and time.

Rerecord: to rerecord the voice memo.

Save: to save the voice memo and add a title.

Play/Erase

You can view the list of voice memo. Press MENU to see following options:

Info: displays info about the voice memo

Erase: erase the voice memo

Erase All: erase all voice memos

Call Answer

Menu 8-2

This option allows you to have incoming messages stored directly into the phone. When the Call Answer option is turned on, the callers message is recorded directly into memory. This uses the voice memo memory, so the amount of time available is dependent on the available memory less any voice memos. The total talk time is 240 seconds.

On/Off: This option allows you to activate or deactivate call answering.

Config: The screen displays:

- Greeting: the greeting can be played, recorded or turned on/off from this menu.
- Screening: this menu turns the screening speaker on/off.
- Wait Time: the wait time can be set to No Ring, After 3 sec, 5 sec, or 10 sec.

Inbox: the message list is displayed.

To...	Then press the...
play the message	OK key
to back	CLR
access the options	MENU

The following options are available:

Info: to display detail information about the call

Erase: to erase the message

Erase All: to erase all messages

Talk: to call the number

Save: to save the number in the phone book

Game

This menu allows you to play games.

Press the navigation key to scroll the entries, and then to select the desired one.

When the game start screen is displayed, press **MENU** to get help in playing the game.

The following options are displayed:

KEY HELP : displays each key function.

GAME HELP : gives you a demo play to show how the game is played.

GAME EXIT : allows you to exit the game. You are asked to confirm. Selecting **Yes** returns to Standby mode.

Press **END** to return to the game start screen, and play the game.

Setup

Many different features of your phone can be customized to suit your preferences.

Auto Retry

*Menu *-1*

With this menu option set to **ON**, when you place a call and the call does not connect, the phone automatically redials a failed call until it connects.

Press **OK** to toggle between Off, every 10 seconds, every 30 seconds and every 60 seconds. Press the same key to save your option.

Auto Answer

*Menu *-2*

With this menu option set to **ON**, the phone automatically answers calls. This option is useful while driving, for instance.

Press **OK** to toggle between Off, after 1 seconds, after 3 seconds and every 5 seconds. Press the same key to save your option.

Answer Mode

*Menu *-3*

With this menu option set to **ON**, the phone allows you to select a specific answer mode when receiving an incoming call. Your phone can be preset to answer when you do any of the following:

by send key: You can answer the phone by pressing **SEND**.

by folder open: You can answer the phone by opening the phone.

by folder open: You can answer the phone by pressing any key on the phone.

Tone Length

*Menu *-4*

Some older phones only recognize longer tones. Therefore you may have to change the tone length for some calls. When calling a paging system, remember that your phone should be set in the normal mode.

Scroll through between Normal and Long, and press the **OK** to save the setting.

Set NAM

*Menu *-5*

Your Samsung phone can store two NAMs (NAM stands for numerical assignment module - essentially your telephone number). This means you can have two phone numbers on your phone, and you can quickly and easily switch your service back and forth between the two numbers.

Press the navigation key to select **NAM-1** or **NAM-2**. If you change the NAM, the phone will reboot and acquire service using the new NAM setting.

Roam Option

*Menu *-6*

The system selection feature of your phone enables you to choose how your phone will roam. Roaming is a feature which is only relevant in areas where there are usually at least two cellular service providers which are referred to as "A" and "B" and have valid roaming agreements. Your service provider will provide you information about this service or the best roaming methods for you.

Automatic-A: With this setting, your phone will always try your calls using the Preferred Roaming List loaded into your phone first, but if your phone cannot find any preferred systems, then it will attempt to acquire any digital or analog "A" system.

Automatic-B: With this setting, your phone will always try your calls using the Preferred Roaming List loaded into your phone first, but if your phone cannot find any preferred systems, then it will attempt to acquire any digital or analog "B" system.

Home Only: With this setting, you cannot roam. If your home system is not available then your call will not be connected and the No Service indicator is displayed. In some service areas an operator may come on line asking you how you would like to pay for the call.

Data/Fax

Menu *-7

Your phone is capable of sending and receiving digital data and fax call when connected to a computing device (laptop, desktop, handheld, palmtop, etc.) running Windows 95, Windows 98, or Windows NT. The phone functions just like a typical modem on your PC, enabling you to use wireless data involving a side variety of Windows software applications.

To use digital data or fax services with your phone, you will need to obtain digital data/fax kit from your service provider. This kit will contain the necessary cables, software, and documentation required for your to connect and use your phone with your computing device.

Note: The phone must be on a digital network to receive or send fax and data.

The following options are available:

Data/Fax Off : No incoming data/fax calls can be received.

Fax for Next Call : Waiting for fax call, No voice calls can be received for next 10 minutes.

Fax until Powered Off : No voice call can be received.

Data for Next Call : Waiting for data call. No voice calls can be received.

Data until Powered Off : No voice calls can be received.

Receiving a Fax or Data File

To Receive a fax or data, ensure that your phone is connected to your PC and is powered on and select a desired option.

When you receive a fax call, setup the **Answer** mode in the Fax program on your PC and click on **Receive** and select one of the following:

- Automatic Receive (recommended)
- Manual Receive

Sending a Fax or Data File

When connected to a computing device, your phone allows wireless fax and data transmissions. Your computing device software initiates the call to the destination phone number. The phone functions as a wireless modem to send the fax or data file to the number designated by your PC software.

Set Network

*Menu *-8*

If you cannot place a call in digital mode due to weak coverage, then this feature allows you to try placing the call in analog mode.

When you have ended the analog call, or if you do not make a call within then minutes, the phone returns to digital mode automatically(if digital service can be attained.)

Mail Kit

Your phone can receive voicemail notification, text messages, and pages. Also, your phone can send text messages and pages if you system supplier provides this service.

When the phone receives a message, an alert sounds, a text notification displays and the name and phone number of the caller if available. The New Message icon remains on the screen until you read the new text, numeric page or WebBrowser message, or until you listen to the new voicemail messages.

Incoming messages are received even when your phone is in Lock mode. However, the screen will not display information about the message. To access a message, or to return a call other than an emergency or priority number, unlock the phone to proceed.

If you are on a conversation, and you receive an incoming message, your phone automatically mutes the ringer (this is to avoid ringing in your ear while you are trying to converse).

New Messages

Menu 0-1

You can create short text messages, and numeric pages, to send to other mobile numbers.

Note: Transmitting message is only supported in digital networks, and if service is provided by your service provider.

1. Enter the Send-To phone number using the numeric keys and press **OK**.
2. Enter the message contents, or a numeric page. For further details on how to enter text, see page 36.

Note: A total of 180 characters, including e-mail address character length if send-to destination is an e-mail address, can be entered for each message, can be entered for each message.

3. When entering is finished, press **OK**.
4. If you wish to edit the following available options before transmitting the message, press **MENU**.
 - **Send To:** Edit the send-to phone number.
 - **Message:** Edit the message contents already entered.
 - **Callback #:** Edits the callback number. Enter the new number to replace the current number.
 - **Delivery ACK:** edits the Delivery Acknowledgement. You can toggle between **YES** or **NO** by pressing the navigation key.
 - **Priority:** edits the priority level of the message. You can toggle between **NORMAL** or **URGENT** by pressing the navigation key.

Note: Callback, Delivery ACK, and Priority are already preset to default values in the **Settings** menu.

5. Press **OK** to send the message.

Note: Closing the phone or pressing **SEND** before message is transmitted will terminate the message transmission.

Inbox

Menu 0-2

Your phone can store up to 100 pages and text messages, depending on the length of the message. If the message memory is full, a message is displayed and the phone rejects additional messages until you erase the stored messages.

The Messages Menu provides options for reviewing the sender's name / phone number, time / date stamp and the message.

When you enter the Inbox menu, the number of new messages displays next to the associated message type in the menu.

The following message types are available:

Voice

When the voicemail notification displays, press **OK** or to scroll to the desired voice mail and press to review and re-review the message. If multiple new voicemails are received but not reviewed, then only the last received voicemail information will be displayed. The display information will include time / date stamp, number of new voicemails, and callback number.

While reviewing the message, press **MENU** to access the following options.

Listen: allows you to listen to voicemail message. The phone will automatically dial your voicemail box.

Reset: resets the message icon and the counter for new voicemail messages, if desired. (The system resets the counter automatically after you listen to all new messages.)

Text

An indexed list of messages displays. An exclamation point next to the message number indicates an urgent message. A check mark '✓' next to the message number indicates that you have read and stored the message. ':' mark indicates that you have not read the message yet.

Press the navigation key to scroll to the desired message and press **OK** to review and re-review the message.

While reviewing a message, press **MENU** to access the following options. The callback number is displayed on the top line of the display.

Erase: erases the message from the Inbox.

Reply: replies to the message.

Forward: forwards the message to another party.

Save Callback: saves the callback number to your phone book.

Save #: saves the originated phone number.

Browser Message

An indexed list of messages displays. An exclamation point next to the message number indicates an urgent message. A check mark '✓' next to the message number indicates that you have read and stored the message. ':' mark indicates that you have not read the message yet.

Press the navigation key to scroll to the desired message and press **OK** to review and re-review the message.

While reviewing a message, press **MENU** to access the Options.

Alerts

The phone alerts you when a message is received. You can choose how often you want to be alerted.

Press the navigation key to select the desired option, and press **OK** to save the setting.

The following options are available:

ONCE: When you receive a message, your phone will ring one time.

EVERY 2 MIN: When you receive a message, your phone will ring every two minutes until answered.

OFF: When you receive a message, the phone will not ring, but the New Message icon will display when a message is waiting

Outbox

Menu 0-3

Your phone can store up to 50 outgoing messages into the outbox of the phone regardless of whether the message was successfully transmitted or not. You can review or resend any message stored in the outbox, if needed.

When you enter the Outbox menu, the marker next to the message number represents the transmission status. A check mark '✓' means that the message was successfully transmitted and delivery was acknowledged (Delivery ACK); ': ' means that the message is transmitted but is not delivered yet; '✗' means that the message transmission has failed.

Press the navigation key to scroll to the desired message and press **OK** to review and re-review the message.

The display showing the message status will be presented with 'TX MSG xx (xx; message number)' on top line of the display. The display will include information on transmission status, send-to mobile number, callback number, and the message body.

While reviewing a message, press **MENU** to access the following options.

Erase: erases the message from the Outbox.

Resend: resends the message to another party.

Delivery

Menu 0-4

If Delivery Acknowledgement is set to on by using Message Setup or New Message options in the Mail Kit, a message alert will be sent to your phone. This Delivery Acknowledgement message alert appears on the phone's display screen, indicating that the message was successfully delivered, together with the recipient's address and the delivery date and time. This information will be displayed on your screen until you press any key, it will include the delivered date/time stamp, and text notification of "Message to (Send To #, or E-mail Address) delivered."

Message Setup

Menu 0-4

Via this menu, you can preset several options for new message transmission and delete all messages.

Callback #: allows you to set the phone number to which the recipient of your SMS message to send you a reply message via your message center, if the service is provided by the network.

Delivery Ack: allows you to activate or deactivate the delivery acknowledgement function. When this function is activated, the network informs you whether your message has been read or not by the recipient.

Delete All: deletes all messages stored from the Inbox or the Outbox. When your phone confirms your selection, press **OK**.

Message Entry: allows you to set the default message entry mode. You can toggle between Alpha mode and T9(English) mode by pressing the navigation key.

Priority: allows you to set the priority level of messages. **NORMAL** and **URGENT** are available.

Security

Lock Mode

Menu #-1

When the phone is locked, you cannot operate the phone until you enter the lock code.

The following options are available:

OFF: the phone remains unlocked.

NOW: the phone locks immediately.

ON POWER-UP: the phone locks automatically at the next time your phone turned on.

To place a call on Lock mode:

- To place an emergency call, enter the number and then press **OK**. The phone recognizes emergency numbers and the seven priority numbers (Menu **0-4**).
- To place normal outgoing calls, press **OK** to display the Lock Code screen, and then enter the lock code. When the Standby screen displays, enter the phone number, and then press **OK**.

To unlock the phone, press **OK** and enter the lock code. The phone returns to Standby mode.

Restrict

Menu #-2

This feature allows you to restrict your calls. Call Restriction can be set up by three ways. You can use of any of the following options alone or in any combination:

Phone Book: the phone restricts use an viewing of all the Phone Book entries. However, note that manual keypad dialing is unrestricted (even to numbers stored in the Phone Book).

Incoming: calls cannot be received.

Outgoing: calls cannot be made (except emergency numbers and the seven priority numbers).

Lock Code

Menu #-3

This feature allows you to change your current lock code to a new one. The lock code is preset to 0000 at factory.

Enter a new, four-digit lock code, then press **OK**.

Emergency

Menu #-4

Your phone provides the option of storing seven priority numbers. All seven priority numbers can be manually dialed at any time even when your phone is locked or all default priority numbers are depending on your service provider.

To store a priority number, select a location using a numeric keys or the navigation key and enter the desired number. Each priority number can be up to ten digits long. The number already stored in the location is automatically deleted when you enter the new number.

To make an emergency call in Lock mode, simply enter the priority number, then press **SEND**.

Note: You must dial the number exactly as it is stored or you will get an error message, "Emergency # Dialing Only."

Send PIN

Menu #-5

Note: Your service provider must enable this feature and assign you a PIN(Personal Identification Number) in order for this feature to work.

This feature prevents your phone from being used by unauthorized persons. Contact your service provider for complete information on this feature. Your PIN is programmable and can be up to 24 digits.

Send PIN

These options are available:

Never: The option is not activated

Prompt: When you make a call, you are asked to send a PIN.

PIN Code

This feature allows you to change the PIN code.

When the current PIN code is displayed, enter a new PIN code by pressing the appropriate numeric keys. Then, press **OK** to save your input.

Clear MEM

Menu #-6

This menu allows you to erase all the numbers in your Phone Book.

When a confirmation message displays, press **OK** to clear the memory.

Reset Phone

Menu #-7

Resetting the phone erases all of your saved options and returns them to the factory default settings, and erases your Phone Book, Call Logs, and SMS messages.

The phone reboots (turns itself off then on), restores the default settings, and then returns to Standby mode.

Privacy

Menu #-8

This feature allows you to hide your own number display, and others cannot view your phone number. If you turn this feature on, the message “# Hidden” displays when the **My phone #** menu is accessed from Standby mode or the In-Call option or when you turn on the phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6.

The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg *.

*In the U.S. and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Tests for SAR are conducted using standard operating positions specified 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 operation 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 phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. (Body-worn measurements may differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

For body worn operation, to maintain compliance with FCC RF exposure guidelines, use only Samsung-approved accessories. When carrying the phone while it is on, use the specific Samsung-supplied or approved carrying case, holster, or other body-worn accessory.

Use of non-Samsung-approved accessories may violate FCC RF exposure guidelines and should be avoided.

For additional information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC)
RF Safety program (select "Information on Human Exposure to RF Fields from Cellular and PCS Radio Transmitters"):
<http://www.fcc.gov/oet/rfsafety>

Cellular Telecommunications Industry Association (CTIA): <http://www.wow-com.com>

World Health Organization (WHO)
International Commission on Non-Ionizing Radiation Protection (select Qs & As):
<http://www.who.int/emf>

United Kingdom, National Radiological Protection Board: <http://www.nrpb.org.uk>

U.S. Food and Drug Administration (FDA)
Center for Devices and Radiological Health:
<http://www.fda.gov/cdrh/consumer/>

Precautions When Using Batteries

Your phone is powered by a rechargeable Li-ion standard battery.

- 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.
- 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.
- 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 life-time 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 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 back of 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-circuit.
- Dispose of used batteries in accordance with local regulations. Always recycle. Do not dispose of batteries in a fire.

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, on 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, if possible, 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 wireless number.

Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference of 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).

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 separation of 6 inches (15 cm) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent

with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- Should always keep the phone more than 6 inches (15cm) 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 the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

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

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch off your phone 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 off your phone in any facility where posted notices so require.

Potentially Explosive Atmospheres

Switch off your phone 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 off the phone 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 upon any wireless phone for essential communications (for example, medical emergencies).

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 <SEND> key.

If certain features are in use (keyguard, restrict calls, etc.), you may first need to turn those features off 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.

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 which may apply to the unit.
- 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 in vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch off your phone before boarding an aircraft. The use of wireless phones in aircraft may be dangerous to the operation of the aircraft, and may be illegal.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

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 to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, or any accessory:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas as its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it 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 it. Rough handling can break internal circuit boards.

- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications of attachments could damage the phone and may 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.

Glossary

Airtime - Actual time spent talking on the wireless phone. Most carriers bill customers based on how many minutes of airtime they use each month.

Antenna - A device for transmitting or receiving signals. The size and shape of antennas is determined, in part, by the frequency of the signal they receive. Wireless phones and the base station must have antennas.

Base Station - The fixed radio transmitter/receiver that maintains communications with mobile radio telephones within a given area. (Typically called a cell or cell site)

CDMA - (Code Division Multiple Access) A spread-spectrum approach to digital transmission. With CDMA, each conversation is digitized and then tagged with a code. The mobile phone deciphers only a particular code to pick the right conversation off the air. The transmitted signal is just above noise level across the available bandwidth.

Channel - Communications signals transmit along paths called channels.

Codec - Compression & Decompression.

Deactivation - The process of rendering a wireless phone inactive.

- DTMF** - (Dual-tone Modulated Frequency) You send DTMF signals when you enter numbers by pressing the digit keys.
- EVRC** - (Enhanced Variable Rate Codec) EVRC is a new global standard for compressing and decompressing voice signals. EVRC uses a lower bit rate (the number of bits sent per second) than existing CDMA vocoders, while providing significant improvements in voice quality. This technology enables your phone to provide superb voice quality while benefiting from the ability to process more cellular voice calls using less bandwidth than the voice codecs in CDMA networks today.
- Frequency** - A measure based on time, as one or more waves per second, in an electrical or light wave information signal. A signal's frequency is stated in cycles-per-second or Hertz (Hz).
- Hands-Free** - A feature that permits a driver to use a wireless phone without lifting or holding the handset - an important safety feature for automobiles, tractors and most other motorized vehicles.
- LCD** - (Liquid Crystal Display) Commonly used to refer to the screen display on the wireless phone.

- LED** - (Light Emitting Diode) Commonly used to refer to a small light on the wireless phone or on the Desktop Charger. The LED lights on the phone to indicate an incoming call. The lights on the charger indicate that battery charging is taking place.
- Prepend** - The addition of a prefix, such as an area code, to a phone number.
- RF** - Radio Frequency
- Roaming** - The ability to use a wireless phone to make and receive calls in places outside of the home service area.
- Service Charge** - The amount paid each month to receive wireless service.
- Standby Time** - The amount of time a fully charged wireless portable or transportable phone can be on and idle without being in use. (See Talk Time)
- Talk Time** - The length of time a person can talk on a portable or transportable wireless phone without recharging the battery.
- Vocoder** - Voice Coder. A device used to convert speech into digital signals.
- Wireless** - Radio-based Systems that allow transmission of telephone or data signals through the air without a physical connection, such as a metal wire (copper) or fiber optic cable.

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of the following Patents.

U.S Patent No. 4,901,307 5,056,109 5,099,204
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