



**DIGITAL CELLULAR
TELEPHONE
SCH-A565
User's Manual**



World Wide Web
<http://www.samsungmobile.com>

Printed in Korea
Code No. : GH68-00000A
English. 2002/04. Rev.1.0

FCC RF EXPOSURE INFORMATION

WARNING! *Read this information before using your phone*



In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this phone complies with the FCC guidelines and these international standards.



CAUTION
Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in violation of FCC regulations.

Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 1.5 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 1.5 cm. separation distance between the user's body and the back of the phone, including the antenna, whether extended or retracted. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.



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 xx.

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 .

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.

Table of Contents

YOUR PHONE

Key Descriptions.....	5
Display	6
Service light	8

GETTING STARTED

Charging a Battery	9
Low Battery Indicator	10
Switching the Phone On/Off	11

CALL FUNCTIONS

Making a Call	12
Answering a Call.....	18
In-Call Options	19
Using Caller ID	20
Viewing Missed Calls	21
Three-Way Calling	22
Call Waiting	23
Call Forwarding	23
Adjusting the Volume.....	24
Quick Switching to Silent Mode	24

ENTERING TEXT

Changing Text Input Mode	25
T9 Mode	26
Alpha Mode	27
Symbol Mode	29
Number Mode	29

USING THEMENUS

Accessing a Menu Functions by Scrolling	30
Accessing a Menu Functions by Using its Shortcut.....	31
Your Phone's Main Menu	32

CALLS

Outgoing (MENU 1-1)	34
Incoming (MENU 1-2)	35
Missed (MENU 1-3)	36
Erase Logs (MENU 1-4)	37
Air Time (MENU 1-5).....	37

PHONE BOOK

Find Name (MENU 2-1)	38
Add (MENU 2-2)	40
Group Setting (MENU 2-3)	42
My Phone # (MENU 2-4)	42

Message

Write MSG (MENU 3-1)	43
Voice (MENU 3-2).....	45
Inbox (MENU 3-3).....	46
Outbox (MENU 3-4)	47
Filed MSG (MENU 3-5)	48
Web Alert (MENU 3-6)	48
Erase Message (MENU 3-7).....	49
MSG Setting (MENU 3-8)	49

WIRELESS WEB

Get in Web (MENU 4-1)	51
Prompt (MENU 4-2)	52

PLANNER

Today (MENU 5-1)	53
Scheduler (MENU 5-2)	55
To Do List (MENU 5-3)	55
Memo Pad (MENU 5-4)	57
Alarm (MENU 5-5)	57
Claculator (MENU 5-6)	58
World Time (MENU 5-7)	59
Countdown (MENU 5-8)	60
Set Time (MENU 5-9)	60

VOICE

Voice Dial (MENU 6-1)	61
Voice Memo (MENU 6-2)	64
Answer Mode (MENU 6-3)	65

SOUNDS

Ringer Volume (MENU 7-1)	68
Ringer Type (MENU 7-2)	69
Alerts (MENU 7-3)	70
Roam Ringer (MENU 7-4)	70
Key Beep (MENU 7-5)	71
Tone Length (MENU 7-6)	71
Key Beep (MENU 7-7)	71

DISPLAY

MENu Style (MENU 8-1)	72
Wall Paper (MENU 8-2)	72
Banner (MENU 8-3)	72
Backlight (MENU 8-4)	73
Backlight (MENU 8-5)	73

GAME	74
------------	----

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.

SETUP

Launch Pad (MENU 0-1)	75
Auto Answer (MENU 0-2)	75
Auto Retry (MENU 0-3)	75
Language (MENU 0-4)	76
Dual Clock (MENU 0-5)	76
Set System (MENU 0-6)	78
Data/ Fax (MENU 0-7)	80
Version (MENU 0-8)	80
Security (MENU 0-9)	80

CAMERA

Take a Picture (MENU #-1)	84
Photo Album (MENU #-2).....	84
Contrast (MENU #-3).....	84

HEALTH AND SAFETY INFORMATION	85
-------------------------------------	----

GLOSSARY	96
----------------	----

Key Descriptions (continue...)

Key Functions

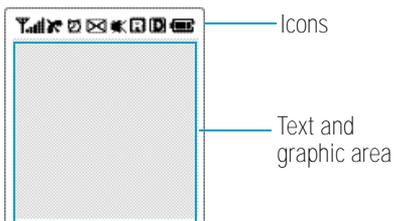
***** : When held down to access the voice dial function in idle mode.

: 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.



Alarm on: Appears when you set an alarm.



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



Silent mode On: Appears when the Silent mode is activated.



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



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



Digital mode: Indicates a Digital mode.



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.

External Display

Your phone has an external display on the cover. It also shows Signal strength, Vibrator, and Battery Strength icon. It indicates that you have an incoming call or message, missed calls and alarms you at the specified time when you set an alarm.

When you press and hold the volume key with the phone closed, the backlight of the external display illuminates.

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 **MENU** . The pause menu options display.
 - 'P' pause : The letter 'P' displays within the number, meaning that a hard pause will occur at that point in the calling sequence. Enter digits that need to follow the pause.
 - 'T' pause: The letter 'T' displays in the number, meaning that a "Timed (2 second) pause will occur at that point in the calling sequence.
 - Hyphen: Places a hyphen between characters.
3. Press **OK** to select an option. Continue entering the number and press **OK** to store the number in your Phone Book.
4. Store the number in your Phone Book as you normally would by pressing **OK** 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 **MENU** . The pause menu options display.
3. Press **OK** to select an option.
4. 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:

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

Mute/Quit: 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.

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

Send Tel #: Sends the telephone number to the other caller.

My Phone #: shows your phone number.

SEND: Sends the DTMF..

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, Alpha, Symbol or Number.

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 History 5. Air Time	1. Outgoing 2. Incoming 3. Missed 4. All Calls 1. Last Call 2. Total 3. LifeTime 4. Erase Total
2. Phone Book	1. Find 2. Add 3. Group setting 4. My Phone #	
3. Message	1. Write MSG 2. Voice 3. Inbox 4. Outbox 5. Filed Msg 6. Web Alert 7. Erase Msg 8. Msg Setup	1. Scroll 2. MSG Reminder 3. Voice Mail # 4. New MSG 5. Canned MSG
4. Wireless Web	1. Get in Web 2. Prompt	
5. Planner	1. Today 2. Scheduler 3. To Do List 4. Memo Pad 5. Alarm 6. Calculator 7. World Time 8. Countdown 9. Set Time	
6. Voice	1. Voice Dial 2. Voice Memo 3. Answer Mode	1. Record 2. Review 3. Erase All 4. Set Active 1. Record 2. Review 3. Erase 1. Greeting 2. Inbox 3. Setting

Main menu	Main menu 1	Main menu 2
7. Sounds	1. Ringer Vol 2. Ringer Type 3. Alerts 4. Roam Ringer 5. Key Beep 6. Tone Length 7. Power On/Off	1. Calls 2. Messages 1. Voice Calls 2. Messages 3. Data/Fax In 4. Schedule 1. Minute Beep 2. Service Alert 3. Privacy
8. Display	1. Menu Style 2. Wall Paper 3. Banner 4. Backlight 5. Contrast	
9. Games	1. Push Push 2. Fly Ribbon 3. Spider	
0. Setup	1. Launch Pad 2. Auto Answer 3. Auto Retry 4. Language 5. Dual Clock 6. Set System 7. Data/Fax 8. Version 9. Security	
#. Camera	1. Take A Picture 2. Photo Album 3. Contrast	

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

Talk: dials the selected number.

Show Entry (or **Save** 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 **Save** 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 **Save** 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 History

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 Calls: 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.

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.

Erase Total: resets the call timers.

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

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 500 entries including the voice dial entries.

Find Name

Menu 2-1

This option allows you to find an entry.

Note: You can access this menu by pressing the up navigation key in Standby mode.

1. Press left or right navigation to scroll to the desired method.

By Name: enter the character(s) you want with the desired Input mode. Then the phone shows the entries containing that character(s).

By Entry: enter the location by pressing the numeric keys.

By Group: Select the group containing the entry you want to find using left or right navigation key. The phone lists all entries in the selected group.

2. When the desired entry is highlighted, press **OK** to access the entry.

3. The phone shows the details on the name. Press  to place a call or press **MENU** to see the following options.

Talk: allows you to place a call.

Edit: allows you to edit phone number, name, location number, label category and so on.

Erase: erases the entry.

When the desired entry is highlighted press **MENU** to access the following options:

Edit: allows you to edit phone number, name, location number, label category and so on.

Erase: erases the number.

Add New: allows you to add a new entry. Refer to **Add** menu(2-2) for details.

Add

Menu 2-2

This menu allows you to store a number with a name in your Phone Book. You can save a person's various numbers, such as workplace number, mobile number and fax number, into one entry. 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. Enter a phone number and press **OK**.
2. Press **OK** to add a new entry.
3. Select the type to save the phone number using the left or right navigation key and press **OK**.
4. Highlight the desired option you want to customize by using the navigation key. The following options are available:
 - **Entry:** The first available location displays. If necessary, enter the location number using the number keys.
 - **Mobile/Home/Office/Pager/Fax/No label:** Select the label to edit the number.
 - **No Label:** To enter the desired name. You can enter up to 12 characters.
 - **Speed Dial:** To set the speed dial for the number.
 - **E-Mail:** To edit the e-mail address.

- **Group:** To set the group containing the entry.
 - **Inactive:** Select the unique ring type for the entry. By selecting different tones, incoming voice calls which have caller ID can be distinguished from those that do not.
 - **Birthday:** To edit the birthday.
 - **Secret:** To set the number in secret, select **On**. This prevents a number from being displayed or dialled when it is accessed by unauthorized user. When you have made the number secret, only a person with your phone's lock code can view the number.
 - **Image:** To set the image.
4. Press **OK** to edit the setting for the selected option.
 5. Repeat steps 3 and 4 to customize another option.
 6. Press **OK** to save the entry. After storing, the phone displays the phonebook entry number you saved and the remaining entries you can further store phone numbers.

Storing Phone Numbers at Call End

To store a phone number at your call end:

1. Press **END** to end the call. The call time and the phone number display.
2. To store the phone number, press **OK**.
3. To complete storing the number, follow the instructions in "Creating a New Entry."

Group Setting

Menu 2-3

This option allows you to edit the name of the group.

1. Scan through the list using up or down navigation key to edit the group name.
2. Press **OK** to select the group.
3. Enter a new group name.
For further details on how to enter characters, see page 36.
4. Press **OK** to save it.

My Phone

Menu 2-4

This option displays the phone number of the phone being used.



Message

Your phone can receive voicemail notification, text messages, and pages. Also, your phone can send text messages and pages if your 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 Web Browser 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).

Write MSG

Menu 3-1

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. When entering is finished, press **OK** .
3. If you wish to edit the following available options before transmitting the message.

Send To: Edits the send-to phone numbers.

Message: Edits the message contents already entered.

Call Back: Edits the callback number. Enter the new number to replace the current number.

Options: Edits the following options using the left or right navigation key.

- Priority: Normal/ Urgent
- Validity: None/ 30 Min/1 Hour/2 Hours/ 12 Hours/
1 Day/ 2 Days/ 3 Days
- Send Later: None/ 30 Min/1 Hour/2 Hours/ 12 Hours/
1 Day/ 2 Days/ 3 Days
- Delivery ACK: On/ Off
- Message Save: Do Not Save/ Prompt Save/
Auto Save

Note: Callback, Delivery ACK, Message Save are already preset to default values in the **Msg Setup** menu(3-8) .

Action: Press the corresponding key.

-  : to send the message.
- **OK** : to file the message.
- **CLR** : to cancel editing a new message.
-  : to quit this menu.

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

Voice

Menu 3-2

When the voicemail notification displays, press up or down navigation key to scroll to the desired voice mail and press **OK** 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.

Inbox

Menu 3-3

Your phone can store up to 40 messages until the total length of the message exceeds 160 kbytes combined for all messages in Inbox and Outbox. If the message memory is full, a message is displayed and the phone rejects additional messages until you erase the stored messages.

Press up or down navigation key to scroll to the desired one of the messages in the list and press **OK**. The phone displays the message contents. If necessary, press up or down navigation key to scan through the contents.

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

Reply: allows you to send a reply message to the sender.

Forward: allows you to send the message to the other person.

Delete: deletes the message.

Save addr: allows you to save the sender's phone number into your Phonebook. For further information on storing a number, see page 50.

Save cb#: allows you to save the call back number of the message.

Outbox

Menu 3-4

Your phone can store up to 40 messages until the total length of the message exceeds 160 kbytes combined for all messages in Inbox and Outbox.

You can review or resend the messages stored in Outbox, if needed.

When you enter the Outbox menu, you can see the message list. The marker **!** next to the message means that it is urgent.

Press up or down navigation to scroll to the desired message and press **OK** to review the message. The display shows the date and time when the message is created, the designated number (and name if saved in Phonebook) and message contents.

If necessary, press up or down navigation to scan through the contents.

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

Re-send: allows you to resend the message. For further information on sending a message, see page 54.

Delete: deletes the message from Outbox.

Filed MSG

Menu 3-5

Your phone can store draft messages that are yet to be sent in the filed message folder. You can access this folder at a later time to edit and send the message.

To store unsent message to the filed message folder:

1. Follow the process of writing a new message.
2. When you finish inputing the message press **OK** for option.
3. Select Action, and press **OK**.

Press up or down navigation key to scroll to the desired message and press **OK** to review it. Press **MENU** for further options.
Select **Edit** to edit it, and select **Delete** to delete it.

Web Alert

Menu 3-6

When you receive a new Web alert, your phone notifies you and displays the following options. To select an option, scroll to highlight it and press **OK**.

View: to access the Web Inbox and displays the message.

Clear: you can press **OK** if you do not wish to read the message at this time.

Erase Message

Menu 3-7

Using this menu option, you can erase all messages in each of three message boxes: Voice mail box, Inbox and Outbox.

You can also erase all of the messages at one time.

Message Setting

Menu 3-8

Via this menu, you can preset several options for new message transmission.

Scroll Timer: You can set the screen to scroll automatically or not.

- 1~5 seconds: If an incoming message is too long for the display, the phone displays it by scrolling the screen automatically. You can set the time when the phone scrolls to the next screen.

- Off: It does not scroll automatically. You should scroll to next screen manually using up or down navigation key.

Msg.Reminder: Following options are available.

- Off: It doesn't alerts when you receive a message.
- Once: It alert just once when you receive a message.
- Every 2 min: It alert every 2 minutes when you receive a message.

Voice Mail #: All unanswered calls to your phone are automatically transferred to voicemail, even if your phone is off or in use. You can set up the voice mail #.

New MSG : allows you to new message.

Canned Msg.: allows you to set the one of canned messages.

Wireless 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 4-1

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 4-2

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.

Planner

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 5-1

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 (5.1), 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.

Scheduler

Menu 5-2

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".

To Do List

Menu 5-3

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 (5.3), 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.

Memo Pad

Menu 5-4

This feature allows you to write down memos. You can enter up to 60 characters for each memo.

If memos are already saved, scroll to the desired item by pressing up or down navigation key.

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

Add new: allows you to add a new memo.

Edit: allows you to edit a saved memo.

Erase: allows you to erase a selected memo.

Erase All: allows you to erase memos.

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

Alarm

Menu 5-5

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 it's 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.

Calculator

Menu 5-6

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 (-).

World Time

Menu 5-7

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.

Count Down

Menu 5-8

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 20 Count down timers using this menu.

To create a new 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: You can enter the years between 1980 and 2099 for dates.

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

If a Count Down timer is already defined when you select the **Count Down** menu option, the defined Count Down timer is displayed.

If there are more than one items defined in the menu, scroll to the desired item by pressing left or right soft key.

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

Add new: allows you to create a new item.

Edit : allows you to edit the item.

Erase : allows you to delete the item.

Erase All: allows you to erase all items.

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

Set Time

Menu 5-9

This option allows you to set the current date and time.

Enter the current time and date using the numeric keys. The month, day, hour and minute must be entered with 2 digits. you must enter the hour in 12-hour format and you choose the AM or PM. The year requires all 4 digits.

Voice

In this menu, you can use the phone's voice features such as:

- voice dialing
- voice memo
- voice answer

Voice Dial

Menu 6-1

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 program the phone to recognize the name of the person you are calling.

Note: You can enter quickly this menu by pressing and holding * key in Standby mode.

Record

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.
2. Respond to the prompt by repeating the name after the beep. The phone stores the name as a second sample, and then prompts you to enter the phone number.

3. Enter the phone number by pressing the numeric keys and press .
4. Complete storing the number into Phonebook referring page 50.

Note: You can also program the phone for voice dialing by accessing the **Phonebook** menu. Use **Add Entry** menu under **Phonebook** to store a phone number, then select **Voice Dial** from the label category.

* 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'.

Review

When a list of your stored voice dial numbers displays, scroll to the desired entry and press **OK** .
The recorded name plays audibly.

Erase All

This option erases all entries in the Voice Dial list.

Set Active

Voice Dialing is always active once you have programmed the phone to accept voice dialing entries and the associated phone number.

To place a call using Voice Dialing, simply press and hold * in Standby mode and then say the name into the phone after you hear the prompt.

You can also initiate a Voice Dialing call by following options.

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

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

[*] /EarMic: enables Voice Dialing by pressing and holding * or by pressing and holding the button of your ear microphone.

Voice Memo

Menu 6-2

Record

You can record up to 30 voice memos in 4 minutes. 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.

Quit: to quit the voice mem without saving.

You can to enter this menu by pressing the right navigation key in standby mode.

Review

When a list of your stored voice memo displays, scroll to the desired entry and press **OK** to play the voice memo.

Erase

This option erases all entries in the Voice Memo list.

Answer Mode

Menu 6-3

This menu allows you to have incoming messages stored directly into the phone. When this option is turned on, the caller's message is recorded directly into memory. This uses the voice memo memory, so the amount of time is dependent on the available memory less any voice memos.

Greeting

- General : You have a predefined general message to be played when a call comes in. Also, you can have one general message recorded as your preference.

1. Wait until a prompt beep sounds and record the voice memo by speaking into the microphone.

While recording, you can pause recording by pressing left navigation key, and resume by right navigation key.

2. When recording is completed, press **OK**. The phone automatically saves and activates the message.
3. If you want to play back the currently selected message, highlight **Review** and press **OK**.

If you want to record a new message, highlight **Record** and press **OK**. Repeat steps 1 to 2.

If you want to erase the currently selected message, highlight **Erase** and press **OK**.

- **Meeting**: You can set the meeting mode.
- **Outdoor**: You can set the outdoor mode.
- **Driving**: You can set the driving mode.
- **My Voice1,2**: You can set your voice.

Inbox

1. The list of the recorded memos appears.

Note: If the phone has the caller's messages waiting to be checked, it displays the total number of the messages and the date and time when the last message was recorded. Pressing **OK** takes you to **Inbox**.

2. Press up or down navigation key to scroll to the desired message and press **OK** to play it back.

While playback, you can pause playing by pressing left navigation key, and resume by right navigation key.

3. If you want to access the following options, press **OK**.

Info: shows the detailed information on the memo, such as the caller's number (if identified), elapsed time, memory used for the message and the time when the memo was recorded.

Play: plays the selected message.

Erase: erases the selected message.

Erase All: erases all of the recorded messages.

Setting

Sets the time the phone waits before answering the call with the greeting message. You can select one among **After 3 sec**, **After 5 sec**, and **After 10 sec**. Selecting **OFF** plays back the message as soon as the phone receive signal of a call.

Sounds

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

- Ringer volume, type, and tone
- Key beep and voice volume
- Alert sounds and a ringer for the roaming calls
- The ringer which sounds when the phone is switched on or off

Ringer Volume

Menu 7-1

This menu option allows you to adjust the ringer volume.

Calls: allows you to adjust the ringer volume for the incoming calls.

Messages: allows you to adjust the ringer volume for the messages.

Press up or down navigation key to adjust the volume or select the type.

Volume Level: adjust the volume level (the more bars, the louder).

Vibrate: switches the phone to vibration mode. An incoming call vibrates the phone.

1 Beep: sounds a beep.

Off: does not sound the ring..

Ringer Type

Menu 7-2

This option allows you to set a unique ring for voice calls, messages, data/fax, alarm, and planner. Select a unique ring tone for each status. As you change it, it sounds for a few seconds.

Note: You can download 5 melodys using PC Link.

Voice Calls: allows you to set a unique ring for an incoming voice call.

Messages: allows you to have a distinctive ring for a voice mail, page, text message or browser message.

Data/Fax In: allows you to be alerted with a distinctive ring tone when you are faxed or received a data through the phone (dependent on the network).

Schedule: allows you to have a distinctive ring for a planner alarm.

Alerts

Menu 7-3

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.

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

Roam Ringer

Menu 7-4

You can set the phone to use a distinctive ring for incoming roaming calls.

Press up or down navigation key to choose **Distinctive** to use a distinctive ringer or **Normal** to use a normal ringer.

Key Beep

Menu 7-5

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.

Tone Length

Menu 7-6

The tone length setting enables you to select **Short** or **Long** DTMF (dual-tone multi-frequency) tones. When you use a teleservice (such as your bank account) and press the keys to enter numbers into the teleservice, you are sending DTMF tones. The system used by the bank or other service determines if you need short or long DTMF tones. If the service is digital (which most are these days) short DTMF will almost always work. However, some new systems and almost all older (analog) systems require you to use long DTMF tones. Many home answering machines require long DTMF tones.

Power On/Off

Menu 7-7

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 menu style and wall paper.
- Set the length of time for backlight
- Create your own greeting and select the power on/off image

Menu style

Menu 8-1

You can select an menu style to be displayed when press **MENU** key.

Wall Paper

Menu 8-2

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

Banner

Menu 8-3

The banner option allows you to edit the banner displayed on the standby screen. It can also be used as your ID when sendign an e-mail.
Enter your banner up to 12 digits by using the alphanumeric keys.

Backlight

Menu 8-4

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

Always Off: The backlight remains off

8 SECONDS: The backlight comes on when you press a key or receive a call and switches off 8 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.

Contrast

Menu 8-5

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.

Games

This menu allows you to play following games;

- Push Push
- Fly Ribbon
- Spider

Press up or down navigation key to scroll the entries, and then press **ON** to select the desired one.

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

Press  to exit the game and return to the idle screen.

Setup

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

Lanuch Pad

Menu 0-1

This option allows you to change the default menu of launch pad.

Auto Answer

Menu 0-2

With this menu option activated, the phone automatically answers calls after predefined time. This option is useful while driving, for instance.

Auto Retry

Menu 0-3

With this menu option activated, your phone will automatically retry the call up to 10 times when a connection fails.

To activate this feature, select how often the phone will automatically retry the call. **Every 60 sec, 30 sec, or 10 sec** are available.

Select **Off** deactivates this feature.

Language

Menu 0-4

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

Select the desired language by pressing the navigation key.

Note: This setting does not affect the Web Browser.

Dual Clock

Menu 0-5

You can choose 2 locations to be displayed and set the summer time on or off for each location.

Set System

Menu 0-6

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.

Pref A only : In a wireless service area, there are usually two service providers which are referred to as A and B. Your service provider will provide you information about this when you setup service. With this setting, you will only be able to roam in the "A" network or system.

Pref B only : This works just like the "A Only" setting except you will only be able to roam in the "B" network or 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.

Standard : This option allows you to provide the best system automatically.

Digital only : With this setting, you will only be able to roam in the digital system.

Data/Fax

Menu 0-7

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, Windows NT or later. 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: Your phone receives voice calls only.

Fax for Next Call: Your phone receives fax calls for next 10 minutes.

Fax until Powered Off: Your phone receives fax calls until you power off and back on the phone.

Data for Next Call: Your phone receives data calls for next 10 minutes.

Data until Powered Off: Your phone receives data calls until you power off and back on the phone.

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.

Version

Menu 0-8

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

Security

Menu 0-9

Your phone provides many security options, including a user-programmable lock code and call restriction features.

To access the security menu, you must enter a four-digit lock code. The lock code is preset to **0000** at factory.

Lock Phone

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

The following options are available:

Never: the phone remains unlocked.

On power up: the phone locks automatically at the next time your phone turned on.

Now: the phone locks immediately.

To place a call on Lock mode:

- To place an emergency call, enter the number and then press **SEND**. The phone recognizes emergency numbers and the seven emergency numbers of menu **0-0-4**.
- To place normal outgoing calls, press **MENU** to display the Lock Code screen, and then enter the lock code. When the Standby screen displays, enter the phone number, and then press **SEND**.

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

Change Lock

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**.

Restrict

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:

Yes: the phone restricts your calls.

No: the phone doesn't restricts your calls.

Emergency

Your phone provides the option of storing emergency numbers. All emergency 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 an emergency number, select a location using a numeric keys or up or down navigation key and enter the desired number. Each priority number can be up to 32 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 emergency number, then press **SEND**.

PIN(Personal Identification Number)

Note: Your service provider must enable this feature and assign you a PIN 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.

These options are available:

Never: The option is not activated.

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

Erase PBook

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

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

Reset Phone

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

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

Camera

You can take a picture and manage photo album.

Take a Picture

Menu #-1

1. Bring a camera into focus you want to take a picture.
2. Press **OK** to snapshot.
3. Enter the desired name and press **OK**.

Photo Album

Menu #-2

Select you want to picture using up or down navigation key and then press **OK**.

Contrast

Menu #-3

The LCD has contrast setting that can help you see the screen better in different lighting conditions. Scroll the contrast settings to determind the most visible using left and right navigation key. When the desired contrast setting is displayed, press **OK** to save.

Health and Safety Information

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

- 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 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 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. 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.

Licensed by QUALCOMM Incorporated under one or more of the following Patents.

U.S Patent No. 4,901,307 5,056,109 5,099,204
5,101,501 5,103,459 5,107,225
5,109,390