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

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

SAMSUNG

DIGITAL CELLULAR TELEPHONE SCH-N182

User's Manual

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

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).

Radio frequency exposure information
The design of this phone complies with the ACA requirements for RF Exposure. To maintain compliance with the requirements, use the Samsung supplied or approved accessory. Use of non-approved accessories may violate the requirements.

Use sensibly
Use only in the normal position (to ear). Avoid unnessary 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 Slient 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
Airtime *(MENU 1-5)* 37

PHONE BOOK

Find *(MENU 2-1)* 38
Add Entry*(MENU 2-2)* 39
Find Entry *(MENU 2-3)* 42
Relation Search (*MENU* 2-4) 42
Add E-mail (*MENU* 2-5) 43

WEB

Get In Web *(MENU 3-1)* 44
Prompt *(MENU 3-2)* 45

SCHEDULER

Today *(MENU 4-1)* 46
View Month *(MENU 4-2)* 47
Jump To Date *(MENU 4-3)* 49
To Do List (*MENU* 4-4) 49
Count Down (*MENU* 4-5) 50
World Time (*MENU* 4-6) 52
Calculator (*MENU* 4-7) 52
Alarm (*MENU* 4-8) 53

SOUNDS

Ringer Vol *(MENU 5-1)* 54
Sounds Type *(MENU 5-2)* 55
Alerts Set *(MENU 5-3)* 56

DISPLAY

Backlight *(MENU 6-1)* 57
Banner *(MENU 6-2)* 58
Animation *(MENU 6-3)* 58
My Phone Number *(MENU 6-4)* 59
Language *(MENU 6-5)* 59
Set Time *(MENU 6-6)* 59
Auto Hyphen *(MENU 6-7)* 60
Version *(MENU 6-8)* 60
Menu Style *(MENU 6-9)* 60

GAME

GAME 61

SETUP

Auto Retry *(MENU 8-1)* 62
Auto Answer *(MENU 8-2)* 62
Answer Mode *(MENU 8-3)* 63
Tone Length *(MENU 8-4)* 63
Set Nam *(MENU 8-5)* 64
Set System *(MENU 8-6)* 64
Data/Fax *(MENU 8-7)* 65
Set Network *(MENU 8-8)* 67
Whisper Mode *(MENU 8-9)* 67
Key Guard *(MENU 8-0)* 68

SECURITY

Lock Mode *(MENU 9-1)* 69
Restrict *(MENU 9-2)* 70
Lockcode *(MENU 9-3)* 70
Emergency Number *(MENU 9-4)* 70
Send PIN *(MENU 9-5)* 71
Clear Memory *(MENU 9-6)* 72
Reset Phneo *(MENU 9-7)* 72
Voice Privacy *(MENU 9-8)* 72

MESSAGE

New Message *(MENU -1)* 73
Voice *(MENU -2)* 75
Inbox *(MENU -3)* 76
Outbox (*MENU -4)* 77
Filed Msg (*MENU -5)* 78
Web Alerts (*MENU -6)* 78
Erase Msg (*MENU -7)* 78
Meg Setup (*MENU -8)* 78

HEALTH AND SAFETY INFORMATION.....81

GLOSSARY 93

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.
	: *In the menu facility*, scroll through the menu tions and phonebook memory.
	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. *In Standby mode*, quickly enters the Web Menu.
	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.

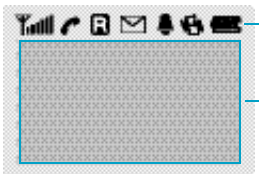
Key Descriptions (continue...)

Key	Functions
*	: Use this key for special star calling feature.
#	: *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.

Alarm on: appears when you set an alarm.

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.

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.

3. 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

1. Open the phone.
2. Hold down the SEND 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.

3. When you wish to switch the phone off, hold down the END/⏻ 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 ...	Then ....
The last digit displayed	Press the **CLR** key.
The whole display	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/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.

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

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

Silent /Quit: 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.

Voice Privacy: For this option to work correctly, you must have the enhanced privacy option set in the Security option.

SND: 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 an 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 Slient 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 . - ? ’ : @ ( ) ! / \ ; [ ] ” < > $ ~ _ = + % * & #
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.

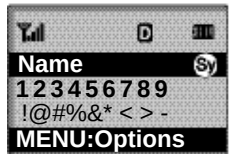
The cursor moves to the right when you press a different key. When entering the same letter twice (or a different letter on the same key), just wait for a few seconds for the cursor to move right automatically, and then select the next letter.

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	1. Outgoing
		2. Incoming
		3. Missed
		4. All
	5. Air Time	1. Last Call
		2. Total
		3. Life Time
		4. Erase Total
2. Phone Book	1. Find Name	
	2. Add Entry	
	3. Find Entry	
	4. RelationSrch	
	5. Add E-mail	
3. Web	1. Get In Web	
	2. Prompt	
4. Planner	1. Today	
	2. View Month	
	3. Jump To Date	
	4. To Do List	
	5. Count Down	
	6. World Time	
	7. Caldulator	
	8. Alarm	1. Set
		2. Release
5. Sounds	1. Volume	1. Voice Vol
		2. Calls Vol
		3. Alarm Vol
		4. Key Vol
		5. Message Vol
	2. Sounds Type	1. Calls
		2. Alarm
		3. Data/Fax In
		4. Schedul
	3. Alerts Set	1. Minute Beep
		2. Service
		3. Connect
		4. Disconnect
		5. Fade
		6. Roam
		7. Power On/Off

Main menu	Main menu 1	Main menu 2
6. Display	1. Backlight	
	2. Banner	
	3. Animation	1. Power On
		2. Power Off
		3. Idle Mode
	4. My Phone #	
	5. Language	
	6. Set Time	
	7. Auto Hyphone	
	8. Version	
	9. Menu Style	
7. Games	1. Flying tight	
	2. Run for Money	
	3. Racing	
8. Setup	1. Auto Retry	
	2. Auto Answer	
	3. Answer Mode	
	4. Tone Length	
	5. Set NAM	
	6. Set System	
	7. Data/Fax	
	8. Set Network	
	9. Whisper Mode	
	0. Key Guard	
9. Security	1. Lock Mode	
	2. Restict	
	3. Lock Code	
	4. Emergency	
	5. Send Pen	
	6. Clear MEM	
	7. Reset Phone	
	8. Voice 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 ...	**Press ...**
Select an entry	up or down naviagiton 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 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.

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 numbers.

Find Name

Menu 2-1

This option allows you to find an entry by its name.

1. Press up or down navigation to scroll to the desired name.

   To find an entry with a character(s). Press **MENU** and enter the character you want with the desired Input mode. Then press **OK**.
   The phone searches for the first entry in the list containing that character(s).

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

   Note: If you have stored the several numbers into different categories under one entry, they are listed under the name. Press up or down navigation key to find the number you want.

3. The phone shows the details on the name.
   Press to place a call.

With an entry selected, if you press **MENU**, you can access the following options:

Talk: dials the number.

Add #: allows you to add a new entry or a number to an existing entry.

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

Prepend: allows you to add digits such as area codes and network feature activation codes to a phone number .

Erase: erases the number.

Name Ring: allows you to designate a unique ring tone to signal an incoming call from the number.

E-mail addr: allows you to store an email address in the entry.

Add Entry

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. Highlight the desired option you want to customize by using the navigation key. The following options are available:

   - **New Name**: Enter the desired name. You can enter up to 12 characters. For further information on how to enter text, see page xx.
   - **Entry**: The first available location displays. If necessary, enter the location number using the number keys.
   - **Secret**: To set the number in secret, select **On**. Setting **Secret** prevents a number from being displayed when it is accessed by unauthorized user, or dialed. When you have made the number secret, only a person with your phone's lock code can view the number.
   - **Category**: Select the label for the number. The available categories are Speed Dial, Home, Mobile, Office, Pager, Fax, or No Label.
   - **Relation**: Select the desired one of the four predefined relation groups, where the entry is included. Grouping the entries enables you to locate only the numbers in the desired group.
   - **Ringtype**: 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.

4. Press **MENU** 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, then automatically returns to Standby mode.

Storing Phone Numbers at Call End

To store a phone number at your call end:

1. Press 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."

Find Entry

Menu 2-3

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

1. Enter the location by pressing the numeric keys.
2. When the desired entry highlighted, press **OK** to view the details, press to make a call to the number.

If you press **MENU** , you can access the options. For further information on **Options**, refer to the **Find Name** menu on page 51.

Relation Search

Menu 2-4

This option allows you to find an entry by its relation group.

1. Select the group containing the entry you want to find using up or down navigation key and press **OK**.
   The phone lists all entries in the selected group.
2. Scan through the list using up or down navigation key to find the desired entry.

Add E-mail

Menu 2-5

This option allows you to store an e-mail address as a phonebook entry.

1. Enter the e-mail address and press **OK**.

   For further information on entering text, see page 36.

2. The phone asks if you want to make a new entry. Press **OK** and complete storing the address.

Web

Your phoen comes equipped with Wireless Web Internet acess through a Browser. The Browser displays immediate information through your phoen. You can view specially designed versions of popular sites which include sprots, 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 tot he Internet. Rates and pricing vary according to your service option. For further information contact your service provider.

Note: The phone mnust 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 ☎/⏻ 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 amy 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. For more information on entering letters, see page 36.

2. Press **OK** to accept your entry.

3. Enter the Start Time and Date using the numeric keys and press **OK**.

4. Enter the End Time and Date using the numeric keys and press **OK**.

5. Select when an alarm will notify you of your event by pressing up or down navigation key. Selecting **No alarm** does not ring the alarm.

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 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** .

Add new: allows you to add a new event.

Edit : allows you to edit a scheduled event.

Erase : allows you to erase a selected event.

Erase all : allows you to erase all events.

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

View Month

Menu 4-2

You can to enter the scheduler menu by pressing in standby mode.

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.

- You can move up or down the Calendar by one week by pressing or .
- You can move right or left one day by pressing * or #.
- To display the next or previous month, press or .

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

View: allows you to view the scheduled events of the selected day.

Add new: allows you to add a new event on the selected day.

Creating a New Event

Scroll to the desired date in the calendar using the navigation keys and volume keys and then press **OK** to confirm the selected date. And schedule a new event referring "Today" on page 62.

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" on page 62.

Jump To 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.

Enter the date using the numeric keys, and press **OK**.

To create, edit or erase the events, refer to "View Month" on page 63.

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 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.

4. Select high or low priority using up or down navigation key and then press **OK** to store the task.

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 (**4-4**), the current contents are displayed with the deadline and the associated priority (High or Low).

Scroll to the desired item by pressing left or right navigation key.

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

Add new: allows you to add a new task.

Edit: allows you to edit a saved task.

Erase: allows you to erase the selected task.

Erase all: allows you to erase all tasks.

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 20 Count down timers using this menu.

Creating a Count Down Timer

1. Enter a name for your new Count down item and press **OK**. For details on entering text, see page 36.

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.

Adding, Editing and Erasing a Count Down Timer

If a Count Down timer is already defined when you select the **Count Down** menu option (**4-5**), 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 delete the item.

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 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.

1. Enter the first number using the numeric keys.
2. Set the operator for your calculation by pressing the navigation keys 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.

Note:
- 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

Menu 4-8

This option allows you to set or release the alarm to ring at a specific time. Press **MENU** to access the options.

Set: to set the alarm, proceed as follows:

1. Select the alarm frequency option by pressing up or down navigation key and press **OK**.
   - **Once**: the alarm rings only once and is then deactivated.
   - **Daily**: the alarm rings every day at the same time.
2. Enter the required time when an alarm rings using the numeric keys.
3. Press **OK** to save the setting.

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

Release: to release the alarm, press **OK**.

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 Vol

Menu 5-1

This menu option allows you to adjust the ringer volume.

Voice: allows you to adjust the voice volume during a call.
Calls: allows you to adjust the ringer volume for the incoming calls.
Alarm: allows you to adjust the ringer volume for an alarm.
Key Beep: allows you to adjust the volume for the key beep. you can adjust the the volume using the volume keys on the left side of the phone in standby mode.
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.
Silent: does not sound the ring.

Sounds Type

Menu 5-2

This option allows you to set a unique ring for voice calls, messages, data/fax, alarm, and schedule. Select a unique ring tone from 25 melodies. As you change it, it sounds for a few seconds.

Calls: allows you to set a unique ring for incoming voice calls.

Alarm: allows you to have a distinctive ring for an alarm.

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 an schedule alarm.

Note: You can select Bell, Melody, Music Bell and My Melody

Alerts Set

Menu 5-3

Your phone gives audible alerts (beeps) at a specified time to inform you that certain things have happened. The alerts only occur in your earpiece so the other party does not hear them.

The available alerts are:

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.

Power On/Off: You can set your phone to sound when Power On/Off.

Display

The Display feature enables you to:

- Set the length of time for backlight.
- Create your own greeting, and select an animation to be displayed in Standby mode or when powered on or off.
- View the version of your phone.

Backlight

Menu 6-1

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

The following options are available:

30 (/**15/7**) **seconds:** The backlight comes on when you press a key or receive a call and switches off 30(/15/7) seconds after the last key is pressed.

Always off: The backlight is always off.

Banner

Menu 6-2

This option allows you to set a banner message to be displayed at the bottom of the display in Standby mode.

To change the banner:

1. If necessary, press **CLR** repeatedly to delete each letter of the old greeting.
   Press are hold **CLR** to clear off the old greeting.

2. Enter your banner message up to 28 characters in English or 14 characters in Chinese by using the alphanumeric keys. For further information on how to enter letters, refer to page 36.

3. When entering is completed, press **OK** to save the new banner.

Animation

Menu 6-3

Your phone displays graphics images when you set this option. This setting is just for fun and grins so have fun with it.

The following options are available:

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.

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

My Phone Number

Menu 6-4

This option shows your phone number.

After viewing the number, pressing **OK** returns to Standby mode.

Language

Menu 6-5

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.

Set Time

Menu 6-6

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

To set the date and time, proceed as follows:

1. Enter the current time and date using the numeric keys.

   The month, day, hour and minute must be entered with 2 digits. The year requires all four digits. And you must enter the hour in 24-hour format.

3. When entering is completed, press **OK** to save the time and date.

   If you enter a wrong time, the phone displays '**Invalid time**' and prompts you to enter again.

Auto Hyphen

Menu 6-7

With this menu option set to **Yes**, your phone automatically hyphenates numbers when you dial a number. This hyphenates numbers as follows: 000-000-0000. Digits following a pause are not hyphenated.

Version

Menu 6-8

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.

Menu Style

Menu 6-9

This option allows you to set the style of showing main menu list.
Horizontal and **Vertical** are available.

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 8-1

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**, **every 30 sec**, and **every 10 sec** are available.
Select **Off** deactivates this feature.

Auto Answer

Menu 8-2

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

To activate this feature, select how many times your phone rings before answering an incoming call. **after 1 sec**, **after 3 sec** and **after 5 sec** are available.

With this menu option set to **Off**, the phone does not answer an incoming call, and if you do not answer the call, it is stored in Missed Call log (see page 49).

Answer Mode

Menu 8-3

This menu option allows you to select how to answer an incoming call. The following options are available:

By any Key: The phone answers when you press any key except .

By send key: The phone answers only when you press .

Tone Length

Menu 8-4

The tone length setting enables you to select **normal** 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.

Set Nam

Menu 8-5

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 up or down 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.

Set System

Menu 8-6

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.

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.

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.

B Only : This works just like the “A Only” seting except you will only be able to roam in the “B” network or system. To select the system.

Digital Only : This setting forces the phone to seek an digital roaming system. The previous setting is restored the next time the phone is turned on.

Data / Fax

Menu 8-7

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: 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.

Set Network

Menu 8-8

Your phone is preset to digital mode. If you wish to place a call in analog mode use this menu. Your phone allows you to search for analog service.

The following options ar e available:

Automatic: Automatically looks for all forms of service according to the PRL(Preferred Roaming List) supplied by the carrier.

1-Time Analog Call: Automatically switches the phone into analog mode for one call. When the call is completed, the phone automatically resets to the normal setting.

Whisper Mode

Menu 8-9

Whisper mode automatically increases the receiving sensitivity of the microphone to obtain the maximum quality of a call even when you speak in a softer voice so that the caller can hear you as if you are speaking normally.

Note: It is not recommended that the ear piece be used while using Whisper mode. Audio level may increase without notice depending on the surrounding conditions.

Select **On** to use this mode, or **Off** not to use it.

Key Guard

Menu 8-0

You can make the keypad lock manually by pressing and holding **MENU** in standy mode.
When the Key Guard menu option is set to **On**, in standyby mode key guard will activate automatically after the predetermind amount of time.

To unlock you keypad, press **CLR** and hold **MENU**.

Security

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 Mode

Menu 9-1

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.

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 . The phone recognizes emergency numbers and the seven emergency numbers of menu **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 .

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

Restrict *Menu 9-2*

This feature allows you to restrict your calls.

Yes: the phone restricts your calls.

No: the phone doesn't restricts your calls.

Lockcode *Menu 9-3*

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 Number *Menu 9-4*

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 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 emergency number, then press .

Send PIN(Personal Identification Number) *Menu 9-5*

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.

Clear Memory

Menu 9-6

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 9-7

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.

Voice Privacy

Menu 9-8

When in an area that supports the voice privacy option and it is enabled, the phone makes an audible beep.

Your servic e provider must enable this feature. Contact your service provider verify if this feature is available on their network.

Message

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 -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.
   - **Options**: edits following options.
     Priority: Urgent/Normal
     Validity: None/30min/1,2 or 12Hours/1,2,or 3days
     Send Later: None/30min/1,2,or 12 Hours/1,2 or 3days
     Delivery Ack: On/Off
     Message: Do not save/Prompt save/Auto save
   - **Action**: shows the button commands.

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

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

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

Voice

Menu ✉*-2*

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.)

Inbox

Menu -3

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.

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 52.

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

Outbox

Menu -4

Your phone can store up up to 95 transmitted messages until the total length of the message exceeds 16 kbytes. 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 94.

Delete: deletes the message from Outbox.

Filed Msg

Menu ✉ *-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 **MENU** 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 Alerts

Menu ✉ *-6*

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

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.

Erase Msg

Menu ✉ *-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.

Msg Setup

Menu ✉ *-8*

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

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

Off: It doesn't alerts when you receive an incomming call.
Once: It alert just once when you receive an incomming call.
Every 2 min: It alert every 2 minutes when you receive an incomming call.

Message Volume

You can set the volume level or type using the up or down navigation key.

Ringer Type

You can set the ringer type for Voice Mail, Page, Text, Browser Msg.

New Message

You can set up the following options as default setting when creating a new message.

Call Back #: You can set the call back number. Your phone number is preset at factory.

Save Message: allows you to set whether you want the transmitted message to be saved in Outbox or not.

- Do not save : not to save automatically
- Prompt Save: asks you to save it or not
- Auto Save: save the message automatically

Entry Method: You can select the text input mode between **T9 Word** and **Alphabet** (ABC).

Delivery Ack: allows you to activate or deactivate the delivery acknowledgement feature. When this is activated, the network informs you whether your message has been read or not by the recipient.Select **On** to turn on the feature or **Off** to turn it off.

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

Exposure to Radio-Frequency Energy (SAR Information)

This model phone meets the ACA(Australian Communication Authority) requirements (AS/NZS 2772) for exposure to radio waves.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the limits for exposure to radio-frequency(RF) energy recommended by the ACA. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through periodic and through evaluation of scientific studies. The limits include a substantial safety margin designed to ensure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employes a unit of measurement known as SAR(the Specific Absorption Rate). The SAR limit recommended by the ACA is 1.6W/Kg *.

* The SAR limit for mobile phones used by the public is 1.6 watts/kilogram (W/kg) averaged over one gram of body tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. The SAR values may vary depending on the national reporting requirements and the network band.

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 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 instrutions. 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, 000 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 nomal 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 neccessary, 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 conversion 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. EVRCuses 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