* Some contents of this manual may differ from your phone depending upon the software of the phone or your service provider.

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SAMSUNG

PORTABLE CELLULAR TELEPHONE SCH-N353

User's Manual

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

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Important Safety Precautions

Read these guidelines before using your wireless phone. Failure to comply with them may be dangerous or illegal.

Road Safety at All Times
Do not use a hand-held phone while driving; park the vehicle first.

Switching Off When Refueling
Do not use the phone at a refueling point (service station) or near fuels or chemicals.

Switching Off in an Aircraft
Wireless phones can cause interference. Using them in an aircraft is both illegal and dangerous.

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

Interference
All wireless phones may be subject to interference, which could affect their performance.

Special Regulations
Meet 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).

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

Emergency Call
Ensure the phone is switched on and in service.
Key in the emergency number for your present location, then press . You must deactivate any unnecessary features before you can make an emergency call. Give all the necessary information as accurately as possible. Do not end the call until given permission to do so.

Water Resistance
Your phone is not water-resistant. Keep it dry.

Accessories and Batteries
Use only Samsung-approved accessories and batteries.

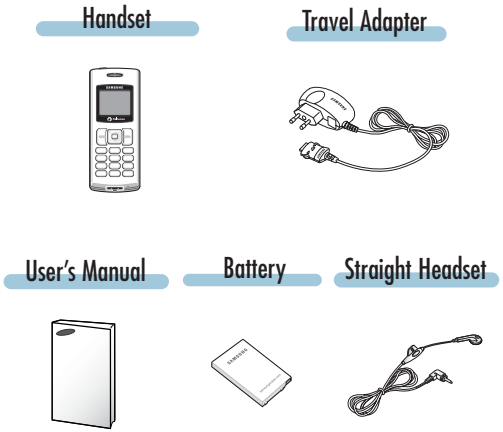
Qualified Service
Only qualified service personnel may install or repair your phone.

CAUTION
RISK OF EXPLOSION IF A BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

For more detailed safety information, see "Health and Safety Information" on page 96.

Unpacking

Your package contains the following items.



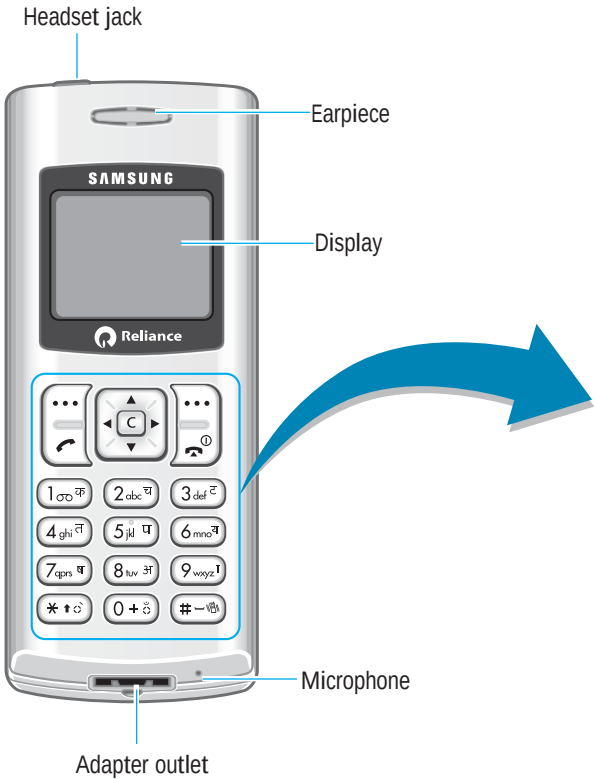
In addition, you can obtain the following accessories for your phone from your local Samsung dealer:

- Car charger
- Straight Headset

Your Phone

Phone Layout

The following illustrations shows the main elements of your phone.



Keys

Key	Functions
(soft keys)	Perform the functions indicated by the text above them, on the bottom line of the display.
	In menu mode, scroll through the menu options and Phonebook memory. *In standby mode*, enters the **Messages** menu, enters the **Phone Book** menu, enters the **Scheduler** menu, enters the **Sound** menu.
	Deletes characters from the display. *In menu mode*, returns to the previous menu level.
	Makes or answers a call. *In standby mode*, redials the last outgoing number when pressed twice or held down.
	Ends a call. Also switches the phone on and off when held down. *In menu mode*, cancels your input and returns to standby mode.
0 ~ 9	Enters numbers, letters and some special characters.

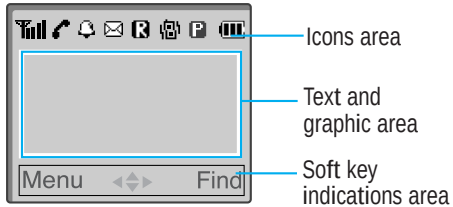
Keys *(continued...)*

Key	Functions
*	*In standby mode*, activates the key guard mode when held down. *In text input mode*, changes the case.
#	*In standby mode,* enters or exits vibrate mode when held down. *In text input mode*, inserts a space.

Display

Layout

The display has three areas.



Icons

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

Service: Appears when a call is in progress.

No Service: Appears when you are outside a service area. When it appears, you cannot make or receive calls.

New Message: Appears when a new text message is received.

Icons *(continued...)*

Alarm: Appears when you set an alarm.

Vibrate mode: Appears when vibrate mode turns on. Incoming calls vibrate the phone instead of ringing.

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

Ringer Off: Appears when you set the **Ringer Vol** option to **Off**.

Roaming: Appears when you are out of your home area and have logged onto a different network, when traveling in other countries, for example.

Voice Privacy: Appears when the Voice Privacy feature is activated.

Backlight

A backlight illuminates the display and the keypad. When you press any key, the backlight lights up. It turns off if no key is pressed within a given period of time, depending on the **Backlight** option set under the **Display** menu.

In key guard mode, the backlight turns on only when you press C.

To specify the length of time the phone waits before the backlight turns off, set the **Backlight** menu option (**Menu 5-5**); see page 75 for further details.

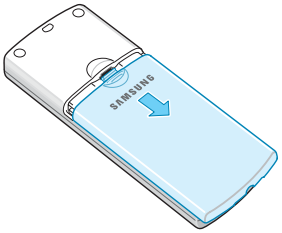
Service Light

The service light is on the top left of the phone. It flashes to indicate an incoming call or a message. It also flashes for a few seconds when you turn the phone on or off.

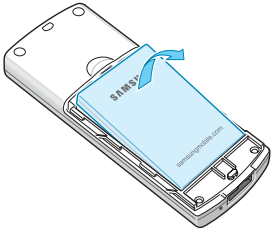
Getting Started

Installing the Battery

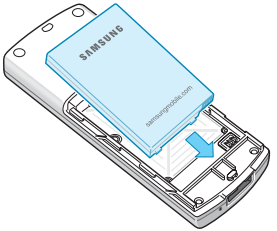
1. Remove the battery cover by pressing down the groove and then sliding the cover out.



2. Place the battery into the battery slot, making sure that the metal contact is facing down on the top right.



3. Place the battery cover, as shown, and slide it toward the top of the phone until it clicks into place.



Charging the Battery

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

You can use the phone while the battery is charging.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery is fully recharged in approximately 3 hours.

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

2. Plug the adapter into a standard AC wall outlet.

   The service light indicates the status of the battery being charged.
   - Red: the battery is charging.
   - Green: the battery is fully charged.
   - Orange: the battery is not plugged properly or operating at a temperature that is too high or too low. Please check the adapter and battery.

3. When charging is finished and the lamp on the charger turns green, unplug the adapter from the AC wall outlet and then from the phone.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery sensor lets you know by blinking an empty Battery Strength icon ( ), you will hear a warning tone and the "Battery is low" message will be repeated at regular intervals on the display. When the battery becomes too weak for the phone to operate, it switches off automatically.

Switching the Phone On/Off

1. Press and hold down for more than one second to switch the phone on.

   The service light on the left of the phone flashes, and an alert sounds. When the system locates services, it displays the date and time. You can now place and receive calls.
   If the phone is out of the service area, the No Service icon ( ) appears on the display and you cannot make and receive calls. You can try again later when service is available.

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

WARNING!
Do not switch the phone on when mobile phone use is prohibited or when it may cause interference or danger.

Note: If you want to switch the phone off in key guard mode, unlock the keys first by pressing C and * .

Your Phone's Modes

Standby Mode

Standby is the most basic state of your phone. The phone goes into standby mode after you turn it on, or whenever you briefly press . When your phone is in standby mode, you will typically see the banner message and current date and time. If you enter a phone number, you can press to dial it or press the **Save** soft key to save it in the internal Phonebook.

Press at any time to return to standby mode. Be careful; if you are on a call when you press , you will disconnect the call and return to standby mode.

The Main Menu can be accessed when you are in standby mode.

Talk Mode

You can place and answer calls only when your phone is turned on. During a call, the phone is in Talk mode. While you are in talk mode, pressing the **Menu** soft key gives you a list of options. See page 27 for details on the options.

Power Save Mode

Your phone comes with a Power Save feature that will automatically be activated if your phone is unable to find a signal after 15 minutes of searching.

While this feature is active, the phone's battery charge is conserved. The phone will automatically recheck for a signal periodically. To manually force the phone to recheck for a signal, press any key. A message on the display lets you know when your phone is operating in power save mode.

Key Guard Mode

You can lock the keypad by pressing and holding in standby mode. You can prevent accidental key pressing with this key guard mode.

To unlock your keypad, press C and .

When you have incoming calls or alarm occurs in the key guard mode, the key guard is automatically deactivated and the phone goes to standby mode. The key guard will be automatically activated after the predetermined amount of time.

See page 88 for details, **Key Guard** menu option (**Menu 7-2-1**).

Lock Mode

When you lock your phone using the **Lock Mode** menu option (**Menu 7-3-1**) in the **Security** menu, you cannot use the phone's features. In lock mode, you can receive messages and calls, but you cannot place an outgoing call until you unlock the phone.

For details about locking and unlocking your phone, see page 90.

Using the Soft Keys

Your phone offers a set of functions that allow you to customize it. These functions are arranged in menus and sub-menus, accessed via the two soft keys marked and . Each menu and sub-menu allows you to view and alter the settings of a particular function.

The roles of the soft keys vary according to the current context; the label on the bottom line of the display just above each key indicates its current role.

Example:

Press the left soft key to access the **Menu** options.

Press the right soft key to access the **Find** menu.

Call Functions

Making a Call

In standby mode, enter the area code and phone number and press .

Note: If you have set **Auto Redial** option (**Menu 7-1-2**) to on, the phone will automatically retry the call up to 10 times when a connection fails. See page 87.

Correcting the Number

To clear	Action
the last digit displayed	press .
the whole display	hold down for more than one second.

Ending a Call

When you want to finish your call, briefly press .

If you press , the call time, or the length of the call, displays briefly and the phone returns to standby mode.

Making a Call from the Phone book

You can store the phone numbers that you use regularly in the phone's memory, which are collectively called the Phone book. Simply select the required name to recall the associated number to dial.

For further details about the Phone book feature, refer to page 50.

Redialling the Last Number

To redial the last call you made, press twice quickly or press and hold the key down.

Your phone stores the last 10 numbers you dialled. To redial any of these numbers:

1. If you have typed any characters on the display, press to return to standby mode.
2. Press to display the list of the dialled numbers.
3. Use and to scroll through the numbers until the required number display.
4. To dial the number displayed, press .

Emergency Dialling

You can place emergency call from your priority number list even if your phone is locked. For further information on emergency numbers, see page 91.

Speed Dialling

Once you have stored phone numbers in the phone book memory, you can dial them easily whenever you want. You can assign up to 400 numbers for Speed Dialling.

One-Touch Dial

You can dial the phone numbers stored in the phonebook 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 dialled.

For example: Location no. 009
press and hold .

The stored number and name display and then the phone dials the number.

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 location.

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

The stored number and name display and then the phone dials the number.

Three-Touch Dial

Memory locations 100 through 400 are special three-touch locations.

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

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

The stored number and name display and then the phone dials the number.

Note: When several numbers are saved in one location, only the phone number which is specified with the **Speed dial** label will be automatically dialled. For details, refer to page 54.

Pause Dialling

When you call automated systems, 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 them in your Phonebook, separated by special characters, which are called pauses.

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 **Options** soft key and then select **Hard Pause**.

   The letter "P" displays within the number, meaning that a hard pause will occur at that point in the calling sequence.
3. Continue entering numbers and using **Hard Pause** of the **Options** soft key to enter pauses.
4. Store the number in your Phone book as you normally would by pressing the **Save** soft key and following the screen prompts.

Pause Dialling from a Stored Phone book Entry

1. Dial the number from the Phone book.
2. Wait for the appropriate prompt for the number, such as a credit card number or a bank account number.
3. When prompted, press to send the DTMF (Dual-Tone Multi-Frequency) number that follows your pause.

Manual Pause Dialling

You can enter pauses manually during the dialling 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 **Options** soft key and then select **Hard Pause**.

   The letter "P" displays within the number, meaning that a hard pause will occur at that point in the calling sequence.

3. Continue entering the number and using the **Hard Pause** of the **Options** soft key to enter pauses.
4. When the number is completed, press to make a call to the number.

Answering a Call

When someone calls you, the phone rings and displays the phone icon in the middle of the display.

When the caller can be identified, the caller's phone number, or name, if it is stored in your Phonebook, displays. If the caller cannot be identified, the phone icon and 'Blocked ID' are displayed.

1. To answer a call, press .

   If the **Answer Mode** menu option (**Menu 7-1-1**) is set to **Any Key**, you can answer the call by pressing any key, except for and the **Silence** softkey.

   If the menu is set to **Call Key**, you must press to answer the call. For further details on the **Answer Mode** menu, see page 86.

   If you press or the **Silence** soft key once, when a call is received, the phone stops ringing or vibrating depending on the mode it is in. You can still answer the call by pressing or by pressing or the **End** soft key to disconnect without answering the call.

2. To end an answered call press .

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

Options During a Call

Your phone provides a number of control functions that you can use during a call. As many of the functions are network services, you may not be able to use all of them at all times.

Press the **Menu** soft key during a call to access the following options:

Phone Book: allows you to access the **Phone Book** menu. See page 50 for details.

Mute/Quit: allows you to switch your phone's microphone off or on. When you mute the microphone, the other party cannot hear you.

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

Silent/Quit: allows you to switch the key tones off or on. By switching the tones off, you can press the keys without hearing annoying key tones during a call.

Call History: allows you to access the **Call History** menu. See page 66 for details.

Messages: allows you to use the **Messages** menu. See page 57 for details.

Organizer: allows you to access the **Organizer** menu. See page 77 for details.

Voice Privacy : encrypts the voice channel so that people cannot eavesdrop on your conversation. See page 92 for details.

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 Phonebook, the corresponding name displays along with the number. If you call someone whose phone is available this feature, your phone number displays on her or his phone.

Note: For further details about the Caller ID service, contact service provider.

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 or the **Call** soft key to call the displayed number.

To view missed calls, access the **Missed** menu option (**Menu 3-1**). For further details, see page 66.

Quickly Switching to Vibrate Mode

The vibrate mode disables all sounds on the phone. This feature is best used in situations where the phone might disturb others, such as in a meeting, at a library or in a theater. You can switch your phone to vibrate mode with one touch of a key.

In standby mode, to enter the vibrate mode, press and hold down # until "Enter! Vibrate Mode" and the Vibrator icon ( ) display.

To exit the vibrate mode and reactivate the previous sound settings, press and hold down # again until "Exit! Vibrate Mode" appears. The Vibrator icon no longer displays.

Quickly Switching to 1-Beep Mode

In 1-Beep Mode, your phone beeps only once when a call is incoming. You can switch your phone to the 1-Beep Mode with one touch of a key.

In Standby Mode, press and hold the 0 key until "Enter! 1-Beep Mode" displays.

To exit and reactivate the previous sound settings, press and hold the 0 key again until "Exit! 1-Beep Mode" displays.

Call Forwarding

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

Note: Contact service provider for availability.

Call Waiting

The Call Waiting feature allows you to receive another call while you have a call in progress. Your phone alerts you to 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 service provider for availability.

To answer a waiting call:

1. Press and the current call is put on hold and you can answer the waiting call.
2. Press again to switch between the two calls.

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

Three-Way Calling

This feature allows up to three people to take part simultaneously in a call. The phone records each party into the Dialled Calls Log.

To place a Three-Way call:

1. Enter a phone number of the second participant, and press .
2. When you are connected to the second participant, press to begin the three-way call.

If one of the callers hangs up, the call ends with that participant, but you can continue to talk with the other participant. If you initiated the call and you hang up first, all three parties are disconnected.

Entering Text

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

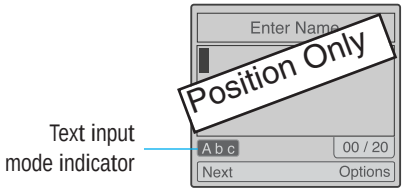
Your phone has the following text input modes:

- **T9(English) :** This mode allows you to enter words with only one keypress per letter. Each key on a keypad has more than one letter - when you press once, J,K or L displays. The T9 mode automatically compares your key presses to an internal linguistic database to determine the correct word thus requiring far fewer keystrokes than the traditional multi-tap method, ABC mode.
- **Alphabet :** This mode allows you to enter letters by pressing the key labeled with the desired letter once, twice, or three times until the letter displays.
- **Symbol:** This mode allows you to enter various symbols and special characters.
- **Number:** This mode allows you to enter numbers.

Changing the Text Input Mode

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

Example: When you are entering a name



To change the text input mode:

1. Press the **Options** soft key.
2. Scroll to the desired mode by pressing ▲ or ▼.
3. To select the mode highlighted, press the **Select** soft key.

   You will find the selected text input mode indicator on the display.

Note: If you want to exit the menu without changing to a new mode, press C.

Using the T9(English) Mode

The T9 predictive text input mode allows you to enter any character using single keystrokes. This text input mode is based on a built-in dictionary.

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

   Example: To enter Hello in T9 mode, press 4, 3, 5, 5 and 6.

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

2. Type to the end of the word before editing or deleting any keystrokes.

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

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

   Example: both “Of” and “Me” have the sequence of 6 and 3. The phone displays the most commonly used choice first.

4. Put a space between words by pressing #.

- To type words not found in T9(English) mode, change the text input mode to Alphabet mode.

- To enter full stops, hyphens or apostrophes, press 1. The T9(English) mode applies grammar rules to ensure that the correct punctuation is used.

  Example: 1 is used twice to display two punctuation marks:

5	3	8	1	7	#	3	2	8	1
L	e	t	‘	s		e	a	t	.

- To change the case in T9 mode, use *. There are three cases:
  - T9 Word : initial letter is capitalized.
  - T9 WORD : all letters are capitalized.
  - T9 word : all letters are lower case.

- You can enter a space by pressing #.

- You can move the cursor to the left or right through your text by pressing ◄ or ►.

- To delete letters, press C. Press and hold down C to clear the display.

- To enter a number between letters without exiting the T9 input mode, press and hold the desired number key.

Using the Alphabet Mode

When typing in Alphabet mode, you should press the keys labeled with the required letter:
- Once for the first letter
- Twice for the second letter
- And so on.

This method is called Multi-tap typing.

For example, you press 2 three times to display the letter “C” and 5 two times to display the “K.”

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

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

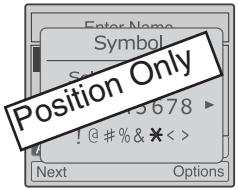
Key	Characters in the Order Displayed	
1	1 ! @ # % & * < > _ + = : “ ‘ ( ) \ ? . , { } [ ] ; - / $ ` ~ | ^	
2	A B C 2	a b c 2
3	D E F 3	d e f 3
4	G H I 4	g h i 4
5	J K L 5	j k l 5
6	M N O 6	m n o 6
7	P Q R S 7	p q r s 7
8	T U V 8	t u v 8
9	W X Y Z 9	w x y z 9
0	0	

(Caps Lock mode)

- To change the case of the next letters that you type, press *. There are three cases:
  - Abc : initial letter is capitalized.
  - ABC : all letters are capitalized.
  - abc : all letters are lower case.
- You can enter a space between words by pressing #.
- You can move the cursor left or right through your text by pressing ◄ or ►.
- To delete letters, press C. Press and hold C to clear the display.
- To enter a number between letters without exiting the Alphabet mode, press and hold the desired number key.

Using the Symbol Mode

The Symbol mode allows you to enter symbols.



Press ◄ or ► to display more symbols.

Press the number keys corresponding to the desired symbol. The phone automatically switches back to the text entry mode used just prior to selecting the Symbol mode.

Using the Number Mode

The Number mode enables you enter numbers. Press the keys corresponding to the desired digits, and manually switch back to text input mode of choice; see page 38 for changing the text input mode.

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 Menu Functions by Scrolling

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

2. Press or to reach the desired main menu; for example, **Display**. Press the **Select** soft key to enter the **Display** menu.

3. If the menu contains any submenus; for example, **Backlight**, find the one you want by pressing or . Press the **Select** soft key to enter the submenu.

   If the selected menu contains submenus, repeat this step.

4. Press or to find the setting of your choice. Press the **Select** soft key to confirm the chosen setting.

Notes:
- You can return to the previous menu level by pressing the **Back** soft key or .
- You can exit the menu without changing the menu settings by pressing .

Accessing Menu Functions by Using its Shortcut

The menu items, such as menus, submenus and setting options, are numbered and can be accessed quickly by using their shortcut numbers.

Note: The numbers assigned to each menu function are indicated on the list on page 46.

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

2. Enter the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

   Example: Selecting a ringtone for SMS

   Press , , , and

   4 selects **Sounds**, **1** selects **Ringtones** , **2** selects **Messages** and **1** selects the **SMS** menu function.

3. Find the setting of your choice by pressing or and then press the **Select** soft key.

Using the Menus

List of Menu Functions

1. Phone Book Page 50
   - 1: Find
   - 2: Add Entry
     - 1: Add Number
     - 2: Add Email
     - 3: Add URL
   - 3: Groups
   - 4: Memory Status

2. Messages Page 57
   - 1: Write
   - 2: Inbox
   - 3: Outbox
   - 4: Draft
   - 5: Templates
   - 6: Erase Messages
     - 1: Inbox
     - 2: Outbox
     - 3: Draft
     - 4: All Messages
     - 5: Voice Mail
   - 7: Settings
     - 1: Auto Scroll
     - 2: Msg Reminder
     - 3: New Messages
   - 8: Voice Mail

3. Call history Page 66
   - 1: Missed
   - 2: Received
   - 3: Dialled
   - 4: Erase History
     - 1: Missed
     - 2: Received
     - 3: Dialled
     - 4: All
   - 5: Call Duration
     - 1: Last Call
     - 2: Total Dialled Calls
     - 3: Total Received Calls
     - 4: Reset All
     - 5: Life Time

4. Sound Page 70
   - 1: Ringtones
     - 1: Calls
     - 2: Messages
     - 3: Schedules
   - 2: Ringer Volume
     - 1: Calls
     - 2: Messages
     - 3: Alarm/Schedules
   - 3: Alerts
     - 1: Call Connect
     - 2: Call Disconnect
     - 3: Privacy
   - 4: Key Tone
     - 1: Tone Volume
     - 2: Tone Length
   - 5: Power On/Off Melody

5. Display Page 74
- 1: Language
- 2: Service Area
- 3: Wallpaper
- 4: Banner
- 5: Backlight
- 6: LCD Contrast

6. Organizer Page 77
- 1: Scheduler
- 2: Task List
- 3: Memo Pad
- 4: Alarm
- 5: Calculator
- 6: World Time
- 7: Countdown

7. Setting Page 87
- 1: Call
  - 1: Answer Mode
  - 2: Auto Redial
  - 3: Call Forward
  - 4: Call Waiting
- 2: Phone/System
  - 1: Key Guard
  - 2: Set Time
  - 3: Set NAM
  - 4: Version
- 3: Security
  - 1: Lock Mode
  - 2: Change Code
  - 3: Emergency Numbers
  - 4: Voice Privacy
  - 5: Clear Phone Book
  - 6: Reset Phone

8. Game Page 94
- 1: Setting
  - 1: Volume
  - 2: Backlight
- 2. Games
  - 1: Magic Puzzle
  - 2: Child Monk Adventure
  - 3: Ice Fishing
  - 4: Jumping Baby
  - 5: Black Planet

During a Call + **Menu** Page 27
- 1: Phone Book
- 2: Mute/Quit
- 3: Silent/Quit
- 4: Call History
- 5: Messages
- 6: Organizer
- 7: Voice Privacy

Phone Book

The Phonebook 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 remembering or entering the phone number. You can store up to 400 numbers. Each entry can contain up to 32 digits including hard pauses, with an associated name of up to 20 characters. (Name entry is optional.)

Note: You can quickly access this menu by pressing in standby mode.

Find

Menu 1-1

By Name

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

Note: You can quickly access this menu by pressing the **Find** soft key in standby mode.

1. Press or to scroll to the desired name.

   To find an entry with a name, enter the first letters of the name you want to find. The phone searches for the first entry starting with that character.

2. When the desired entry highlights, press the **Select** soft key to access the entry.

Note: All of the numbers assigned to an entry display, including numbers stored into different categories. Press or to find the number you want.

3. To	Press
place a call to the number	or call soft key.
use the menu options	the **Options** soft key. For details, see below.

When you press the **Options** soft key, the following options are available:

Edit: allows you to edit the 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.

Send Msg: allows you to write and send a message to the number.

By Entry

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

1. Enter the location by pressing the numeric keys.
2. When the entry you want highlights, press the **Select** soft key to view the details.

By Group

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

1. Select the group containing the entry you want to find by pressing or .

   The phone displays the list of all entries in the selected group.

2. Scan through the list using or to find the desired entry and press **Select** soft key.

3.

To	Press
place a call to the number	or Call soft key .
use the menu options	the **Options** soft key. For details, see page 51.

Add Entry *Menu 1-2*

This menu allows you to store a number with a name in your Phone Book. You can save a person's numbers, such as workplace number, mobile number and fax number, into one entry. A Phone Book entry can contain up to six numbers, one in each category.

Add Number *(Menu 1-2-1)*

1. Enter a phone number and press the **Save** soft key.
2. Enter a name and press the **Select** soft key.
   For further details about entering characters, see page 37.
3. Select an icon to identify the category of number to be stored using the navigation keys and press the **Select** soft key.
4. To select an option, scroll to it by pressing or Press the **Edit** soft key to enter information or use or to change the setting.
   The following options are available for the entry:
   - **Enter Name**: allows you to edit a name of up to 20 characters.
   - **Entry**: The first available location displays. If necessary, enter the location number using the number keys.
   - **Home/Office/Mobile/Pager/Fax/No label**: allows you to store more numbers for each category.

- **Speed Dial**: allows you to select one of the stored numbers for speed dialling.
- **Email**: allows you to store an e-mail address.
- **URL**: allows you to store a URL address.
- **Group**: allows you to assign an entry to a caller group. To remove the entry from a group, select **No Group**.
- **Name Ringer**: allows you to select the unique ringer to be used for alerting you to an incoming call from the person.
- **Secret**: allows you to prevent a number from being displayed when it is accessed or dialled by unauthorised users. When this option is set to **On**, only people with your phone's lock code can view the secret number.

5. When you finish setting the options, press the **Save** soft key to store the entry.

   After storing, the phone displays the Phone Book entry number that you just saved and the remaining slots you can further store phone numbers.

Add Email *(Menu 1-2-2)*

This option allows you to store an e-mail address instead of a phone number.

1. Enter an e-mail address and press the **Next** soft key.

   For further details about entering characters, see page 37.

2. Enter a name and press the **Next** soft key.

3. To complete storing the e-mail address, follow the procedure from step 4 in "Add Number" on page 53.

Add URL *(Menu 1-2-3)*

1. Enter an URL address and press the **Next** soft key.

2. Enter a name. For further details about entering characters, see page 37.

3. Press the **Next** soft key.

4. To complete storing an URL address, follow from Step 4 in "Add Number" on page 53.

Groups

Menu 1-3

This option allows you to change the settings for the caller groups.

To change the ringer for a caller group:

1. Scroll to the group you want to edit using or
2. Press the **Ringer** soft key to select a ringer melody to indicate when a call comes in from any members of the group.
3. Select the ringer category you want by pressing the or key and press .
4. Select the ringer melody you want by pressing the or key.
5. Press the **Select** soft key.

To change the name of a caller group:

1. Press the or key to scroll to the group you want to edit.
2. Press the **Rename** soft key.
3. Press the key to clear the current group name.
4. Enter a new name and press the **Save** soft key.

   For further details about entering characters, see page 37.

Memory Status

Menu 1-4

This option shows the memory status for Phone Book.

Message

Your phone can receive voice mail notification and text messages. It can also send text messages and pages if your Service Provider provides this service.

When the phone receives a message, an alert sounds, a text notification displays along with the name and phone number of the caller if available. The New Message icon ( ) remains on the screen until you read the new text messages or numeric pages, or you listen to the new voice mail messages.

Messages are received even when your phone is in the lock mode. However, the screen does not display information about the message. To access a message, you must unlock the phone.

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.

You can quickly access the **Messages** menu by pressing in the standby mode.

Write *Menu 2-1*

You can create short text messages of up to 160 characters and send it to other mobile phones.

Note: Message transmission is only supported when your phone is operating in digital networks and the network supports this service. Contact service provider for more information.

1. Enter the message contents and press the **Next** soft key. For further details about how to enter text, see page 37.

   Press the **Options** soft key and select **Templates** to add a template message. For further details about how to enter text, see page 62.

2. Enter a destination number using the numeric keys.

   Pressing the **Ph Book** soft key allows you to search your Phone Book for a number.

Note: You can enter other numbers by using the key after entering a number. You can send to 10 destinations at the same time.

3. When you finish entering, press the **Next** soft key.

4. To select an option, press or and press the **Edit** soft key. The following options are available:

   - **Msg**: allows you to change the message contents you've already entered.
   - **Send To**: allows you to change the send-to phone number.
   - **Settings**: displays the following setting options. Change the setting using the navigation keys.

     - Priority: Select **Normal** or **Urgent** the message priority.

Note: The **Delivery Ack**, **Save Message** options can be preset in the **New Messages** menu option (**Menu 2-7-3**); for details, see page 64.

- **Save Msg**: allows you to store the message contents in the **Draft** menu for future use.

5. Repeat Step 4 to set the message options.

6. After changing the setting options, press or the **Send** soft key to send the message.

Inbox

Menu 2-2

Your phone can store up to 50 messages total in Inbox, Outbox and the Draft message box. When the memory is full, a warning message displays and the phone rejects additional messages until you erase the obsolete ones.

When you access the **Inbox** menu option, the message list appears.

To view details, press or to scroll to one of the messages in the list and press the **Select** soft key. If necessary, press or to scan through the contents.

While viewing a message, press the **Reply** soft key to send a reply message to the sender.

Press the **Options** soft key to use the following options:

Erase: erases the message from Inbox.

Forward: allows you to forward the message to another person.

Call: places a call to the callback number.

Save: allows you to save the callback number of the message.

Outbox

Menu 2-3

Your phone can store up to 50 messages total in Inbox, Outbox and the Draft message box.

When you access the **Outbox** menu option, the message list appears.

To review a message, press or to scroll to it and press the **Select** soft key. If necessary, press or to scan through the contents.

While reviewing a message, press the **Resend** soft key to resend the message. For more information about sending a message, see page 58.

Press the **Erase** soft key to erases the message from Outbox.

Draft *Menu 2-4*

Your phone can store draft messages that are yet to be sent in the Saved message box. If you save the message content using the **Save Msg** menu option before sending it (see page 59), you can access them using this menu.

To review a stored message. press or to scroll to it and press the **Select** soft key.

While reviewing a message, press the **Send** soft key to send the message. For more information about sending a message, see page 58 and follow step 2.

Press the **Erase** soft key to erases the message.

Templates *Menu 2-5*

Using this menu, you can preset up to ten messages that you use most frequently. When you access this menu, the preset message list is displayed.

1. Scroll to the required message or an empty entry by pressing the or key.
2. Press the **Select** soft key to send the message. For details on how to send a message, see page 58 and follow step 2.
3. Press the **Edit** soft key to edit the message. For further details about how to enter characters, see page 37.

Erase Messages *Menu 2-6*

Using this menu option, you can erase the messages in each message box; Voice Mail box, Inbox, Outbox, and Draft message box. For Inbox, you can erase only the messages you read or all of the messages.

You can also erase all of the messages at one time by selecting **All Messages**.

When a confirming message appears, select **Yes** and press the **OK** soft key.

Settings *Menu 2-7*

In this menu, you can preset several options for using the messaging features.

Auto Scroll *(Menu 2-7-1)*

If an incoming message is too long for the display, the phone displays it by scrolling the screen automatically. You can set how often the phone scrolls the message to the next screen.

If you select **Off**, you need to scroll to the next screen manually using or .

Msg Reminder *(Menu 2-7-2)*

When a message is received, the phone alerts you by sounding the selected ringer. You can set how often you want to be alerted. Selecting **Off** means that the message alert sounds once when the message is received. Selecting **Once** means that the message alert sounds once when the message is received and sounds again after 2 minutes. Selecting **Every 2 min** means that the message alert sounds every 2 minutes.

New Messages *(Menu 2-7-3)*

You can set up the default settings of the options for creating a new message. The following options are available:

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

- Do not save: The phone does not save the message.
- Prompt Save: The phone asks you if you want to save the message or not.
- Auto Save: The phone automatically saves the message.

Entry Method: allows you to select the text input mode between **T9 Word** (T9 English) and **Alphabet**.

Delivery Ack: allows you to receive a report to let you know that your message is correctly delivered.

Voice Mail *Menu 2-8*

When multiple new voice messages are received but you haven't checked them, information of the last one displays. The information display includes the time/date stamp, the number of new voice messages and the callback number.

While reviewing the message, press the soft key to access the following options:

Listen: allows you to listen to the voice message. The phone automatically dials the number of your voice mail centre.

Reset: clears the New Message icon and resets the counter for a new voice message, if necessary. The system resets the counter automatically after you listen to all of the new messages.

Call History

You can use the **Call History** menu to:
- view and dial the last calls you dialled, received or missed.
- erase the numbers in the call log memory.
- view the length of calls.

Missed *Menu 3-1*

If Caller Line Identification service is available, your phone keeps a list of the last 10 incoming calls that you failed to answer. Contact service provider for more information about the service. When you access this menu, a list of the missed calls displays.

1. Press ▲ or ▼ to find the desired number, or name if it is saved in Phone Book.

2. Press the **Select** soft key to confirm the highlighted number. The dialled number, or name if it is saved in Phone Book, displays along with the date and time when the call was made.

3.

To	Press
place a call to the selected number	or the **Call** soft the key
use the options	the **Options** soft key. For details, see the following page.
exit the call log	.

When you press the **Options** soft key on the call log list, the following options are available:

Save: allows you to save the number in Phone Book.

Show Entry: (available when the number is stored in your phonebook) displays the detailed information stored in the phonebook entry, such as a name, memory location, numbers, speed dial number and other settings.

Edit: allows you to change the phone number to dial it or save it in Phonebook.

Erase: erases the selected number.

Send Msg: allows you to send a message.

Received *Menu 3-2*

This option lets you view up to 10 of the last calls you received if you are subscribed to the Caller Line Identification service. Contact service provider for more information about this service.

When you access this menu, a list of the incoming calls displays.

For more information about scrolling through the list and accessing the call log, see “Missed” on page 66.

Dialled

Menu 3-3

Note: You can also access this menu by pressing in the standby mode.

The phone stores up to 10 of the last calls you dialled. When you access this menu, a list of the outgoing calls displays.

For more information about scrolling through the list and accessing the call log, see “Missed” on page 66.

Erase History

Menu 3-4

You can erase the entries stored in each of the three call histories or all three histories at once.

When a confirming message displays, select **Yes** to erase the selected history or all of the histories. If you want to cancel the selection, select **No**. Press the **OK** soft key to confirm the selection.

Call Duration

Menu 3-5

Your phone records the amount of air time, or talk time, used. Using this option, you can view the number of the calls to or from your phone, and the air time for all of the calls. You can easily erase the call time record at any time. This option is convenient for estimating your usage.

Note: This feature is not intended to be used for billing purposes.

The following options are available:

Last Call: shows information about the last call, such as the duration of the call, the other person’s phone number and the date and time when the call was made.

Total Dialled Calls: shows the number of all calls you made and the total duration of the calls since the time counter was last set to zero by using the **Reset All** option.

Total Received Calls: shows the number of all calls you received and the total duration of the calls since the time counter was last set to zero by using the **Reset All** option.

Reset All: erases the last call, the “Total Received/Dialled Calls” time measurements, and resets the air time counters.

Life Time: shows the number and total duration of all calls made to or from your phone since the phone was shipped from the factory.

Sound

You can use the **Sound** menu to customise various sound settings, such as the:

- ringer volume, type, and tone.
- key tone and alert sounds.
- sound which plays when the phone is switched on or off.

Note: You can quickly enter this menu by pressing in the standby mode.

Ringtones *Menu 4-1*

This option allows you to set the unique ringer melodies for the following items:

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

Messages: allows you to have a distinctive ring for incoming voice mail and text messages independently.

Schedules: allows you to have a distinctive ring for schedule settings.

Select a unique ringer using the navigation keys. After you change it, it sounds for a few seconds.

Ringer Volume *Menu 4-2*

This menu option allows you to adjust the ringer volume.

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

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

Alarm/Schedules: allows you to adjust the ringer volume for alarm and schedules.

Press the navigation keys to adjust the volume level or select a ringer type. The following options are available:

- Light: the phone does not sound a ring.
- Vibrate: an incoming call vibrates the phone.
- 1-Beep: the phone sounds a beep.
- Level 1 ~ 5: adjust the volume level. The more bars, the louder.
- Low + Vib/High + Vib: the phone rings in the lowest/highest volume level and then vibrates. This option is only shown for **Calls**.

Note: When “Emergency call only” appears after you end an emergency call, the ringer volume for calls and messages is automatically set to Level 4.

Alerts

Menu 4-3

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 that the other person does not hear them.

The available alerts are:

Call Connect: when this option is set to **On**, the phone sounds the connect tone when your call is connected to the system.

Call Disconnect: when this option is set to **On**, the phone sounds the disconnect tone when a call is disconnected.

Privacy : when this option is set to **On,** the phone sounds an audible beep when you loose a private encrypted CDMA line. For this option to work correctly, you must have the enhanced privacy option set in the Security options.

Key Tone

Menu 4-4

In this menu, you can set up the sound your phone generates when you press a key.

The following options are available:

Tone Volume: adjusts the volume using the navigation keys.

Note: When "Emergency call only" appears after ending an emergency call, the key tone is automatically set to Level 4.

Tone Length: enables you to select **Short** or **Long** DTMF (dual-tone multi-frequency) tones. DTMF tones are sent by your phone to access teleservices, such as a bank account. The system used by the bank or other service determines if you need short or long DTMF tones. If the service is digital, as most are, short DTMF tones will almost always work.

Power On/Off Melody

Menu 4-5

You can turn on or off the tone that the phone sounds when it is switched on or off.

Choose **On** to use a power on/off sound or **Off** not to use it.

Display

The Display feature enables you to customize various settings for the display and the light.

Language *Menu 5-1*

This menu allows you to change the display and input language.

Service Area *Menu 5-2*

This menu displays the current service area the user is in. The service area is also displayed for about 2 seconds when your phone is registered onto a network or when you make or receive a call.

Wallpaper *Menu 5-3*

You can select the background image (wallpaper) to be displayed in the standby mode.

Banner *Menu 5-4*

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

1. If necessary, press C repeatedly to delete each letter of the old greeting. Press are hold C to clear the display.
2. Enter your banner message of up to 15 characters. For further information about how to enter characters, see page 37.
3. When you finish entering the message, press the **Save** soft key to store the new banner.

Backlight *Menu 5-5*

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

The following options are available:

Always On: The backlight remains on while the phone is on.

15 seconds: The backlight switches on when you press a key and switches off 15 seconds after that.

8 seconds: The backlight switches on when you press a key and switches off 8 seconds after that.

Always Off : The backlight is always off.

LCD Contrast *Menu 5-6*

The menu allows you to adjust the brightness of the main LCD screens.

Press to make the screen brighter, and to make the screen darker.

Each time you press the key, you will see the selected status of the LCD.

Press the **Select** soft key to save your setting.

Organizer

The Organizer feature enables you to:

- keep track of important dates and events
- create a list of things to do
- make a memo
- set an alarm to ring at a specific time
- use the phone as a calculator
- check the time in another part of the world
- use the countdown

Scheduler *Menu 6-1*

In this menu, you can keep track of your daily or monthly schedule.

Today (*Menu 6-1-1*)

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 starts. Events scheduled for future dates automatically appear on your Today display for that particular day.

Scheduling a New Event

1. Enter your event contents and press the **Next** soft key.

   You can enter up to 32 characters. For more information about entering letters, see page 37.

2. Enter the start time and date using the numeric keys.

   You need to enter the time in 12-hour format. You can set AM by pressing 2, PM by pressing 7.

Note: You can move through the input fields using the navigation keys.

3. Enter the end time and date using the number keys.

4. Select when an alarm will inform you of the event, by pressing ◄ or ► . Selecting **No Alarm** means that the phone does not ring the alarm.

5. Press the **Save** soft key to store your event.

Viewing Your Today's Schedule

The list of the events stored on the current day displays when you select the **Today** menu option(**Menu 6-1-1**).

While viewing the schedule list:

- Press the **Options** soft key to use the following options:

  Add New: allows you to add a new event.

  Erase : allows you to erase the selected event.

  Erase All: allows you to erase all of the events.

- To view details, press navigation keys to scroll to an event and press the **View** soft key. While viewing the event, press the **Edit** soft key to edit the event. Press the **Erase** soft key to erase the event.

All (*Menu 6-1-2*)

This option allows you to view the current month, as well as a past or future month, in calendar format. On the calendar, the current day is highlighted and days with scheduled events are indicated by a box inside the calendar day.

Note: You can to quickly access this menu by pressing ◄ in the standby mode.

Scrolling Through the Calendar

- You can move left or right by one day by pressing ◄ or ► (and 4 or 6).
- You can move up or down by one week by pressing ▲ or ▼ (and 2 or 8).
- To display the next or previous month, press 7 or 9 .
- To display the next or previous year, press 1 or 3 .

On the calendar, press the **View** soft key to view the scheduled events of the selected day.

Press the **Options** soft key to use the following options:

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

Erase All: allows you to erase all of the events.

Creating a New Schedule

You can store up to 70 events total in the scheduler, with up to 9 events for one day.

1. Select a day on the calendar, referring to “Scrolling Through the Calendar” on page 79 and press the **Options** soft key and select **Add New** option.
2. Enter your event contents and press the **Next** soft key.

   You can enter up to 32 characters. For more information about entering letters, see page 37.
3. Enter the start time and date using the numeric keys.

   You need to enter the time in 12-hour format. You can set AM by pressing 2, PM by pressing 7.

Note: You can move through the input fields using the navigation keys.

4. Enter the end time and date using the number keys.
5. Select when an alarm will inform you of the event, by pressing ◄ or ►. Selecting **No Alarm** means that the phone does not ring the alarm.
6. Press the **Save** soft key to store your event.

Viewing Your Schedule

Select a day with scheduled events on the calendar, referring to “Scrolling Through the Calendar” on page 79 and press the **View** soft key.

To view details, press navigation keys to scroll to an event and press the **View** soft key. While viewing the event, press the **Edit** soft key to edit the event. Press the **Erase** soft key to erase the event.

To view the Start and End time settings, use the ▲ or ▼ keys. You can move to the previous or next event by pressing the ◄ or ► key.

Task List

Menu 6-2

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

Creating a New Task

1. Enter the first task and press the **Next** soft key to confirm.

   You can enter up to 32 characters. For further details on how to enter characters, see page 37.
2. Enter the time and date by which the task needs to be done, by using the numeric keys.

Note: You can move through the input fields using the navigation keys.

3. Select High or Low priority using or and then press the **Save** soft key to store the task.

Viewing a Task

The list of the tasks displays when you access the Task List menu option (**Menu 6-2**).

While viewing the task list:

- Press the **Options** soft key to use the following options:

  Add New: allows you to add a new task.

  Erase : allows you to erase the selected task.

  Erase All: allows you to erase all of the tasks.

- To view details, press or to scroll to a task and press the **View** soft key. While viewing the task, press the **Edit** soft key to edit the task. Press the **Erase** soft key to erase the task.

Memo Pad

Menu 6-3

This feature allows you to write down memos about anything you need to remember.

Writing a New Memo

1. Enter the memo.

   You can enter up to 64 characters for each memo. For further details on how to enter characters, see page 37.

2. Press the **Save** soft key to store the memo.

Viewing a Memo

The list of your memos displays when you access the **Memo Pad** menu option (**Menu 6-3**).

While viewing the memo list:

- Press the **Options** soft key to use the following options:

  Add New: allows you to add a new memo.

  Erase : allows you to erase the selected memo.

  Erase All: allows you to erase all of the memos.

- To view details, press or to scroll to a memo and press the **View** soft key. While viewing the memo, press the **Edit** soft key to edit the memo. Press the **Erase** soft key to erase the memo.

Alarm

Menu 6-4

This option allows you to set up to the alarm to ring at a specific time.

To set an alarm:

1. Select an alarm type, **Daily Alarm** or **Weekly Alarm**, and press the **Select** soft key.
2. Select **On** by pressing the or key.
3. Press the key and enter the required time for the alarm to ring.
   You need to enter the time in 12-hour format. You can set AM by pressing , PM by pressing .
4. Press the key and select an alarm melody by pressing the or key.
5. Press the key and select a repeat option by pressing the or key.

   You can choose either **Daily** or **Once** for the daily alarm, or select a day of the week for the weekly alarm. In case of weekly alarm, press to select and to deselect Day.
6. Press the **Save** soft key to save the alarm setting.

To stop the alarm when it rings, press the **Stop** soft key, key or key. If you stop the alarm using other keys, the Snooze function is activated and the phone rings the alarm after 10 minutes.

To deactivate an alarm setting, access it from the alarm list and select **Off**.

Calculator

Menu 6-5

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.

Notes:
- To erase any mistakes or clear the display, press the key.
- Use the key to enter a decimal point and the key to change the sign of a number to a negative (-)

2. Enter the operation for your calculation on the second line by pressing the navigation keys, according to the graphic on the display.
3. Enter the second number.
4. Repeat step 2 and 3 as many times as required.
5. To view the result, press the **Result** soft key.
6. To perform another calculation, press the **CLR** key to reset the calculator and repeat from step 1.

World Time

Menu 6-6

This menu allows you to check the 24 current times for 34 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 display.

Press the **Save** softkey to set the time as the default world time.

To turn on or off the DST (Daylight Saving Time) setting:

1. After selecting the time zone you want to apply the DST, press the **DST** soft key.
2. Select **On** or **Off** and press the **OK** soft key.

Note: If you want to cancel the DTS setting, select **Off** and press the **OK** soft key.

Countdown

Menu 6-7

This menu helps you know how much time it takes for you to do something, or how many months, days, hours and minutes until a specific day arrives. You can create up to 9 counters using this menu.

Creating a New Counter

1. Enter the contents for your counter and press the **Next** soft key.

   You can enter up to 16 characters. For details about entering text, see page 37.

2. Enter the time and date you want to count down from.

   You need to enter the time in 12-hour format. You can set AM by pressing 2, PM by pressing 7.

   Note: Enter a year between the present and 2099. You cannot enter the past years.

3. Press the **Save** soft key to store the counter.

Viewing a Counter

The list of the counters displays when you access the **Countdown** menu option (**Menu 6-7**).

While viewing the counter list:

- Press the **Options** soft key to use the following options:

  Add New: allows you to add a new counter.

  Erase : allows you to erase the selected counter.

  Erase All: allows you to erase all of the counters.

- To view details, press or to scroll to a counter and press the **View** soft key. While viewing a counter, press the **Edit** soft key to edit the counter. Press the **Erase** soft key to erase the counter.

Setting

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

Call *Menu 7-1*

This menu option contains the suboptions for answering or redialling a call.

Answer Mode (*Menu 7-1-1*)

This menu option allows you to select how to answer an incoming call.

The following options are available:

Any Key: the phone answers when you press any key except for and **Silence** soft key.

Call Key: the phone answers only when you press .

Auto Redial (*Menu 7-1-2*)

When this menu option is activated, your phone automatically redials the call up to 10 times when a connection fails.

To activate this feature, select how often the phone automatically retries the call; 60, 30 and 10 Seconds are available.

Select **Off** to deactivate the Auto Redial feature.

Call Forward (*Menu 7-1-3*)

This network service allows incoming calls to be forwarded to another number.

Note: This feature is only available when your service provider supports it. Contact your service provider to check its availability.

The following options are available:

Busy: Calls are forwarded if you are already on the phone.

No answer: Calls are forwarded if you do not answer the phone.

Unconditional: All of the calls are forwarded.

Busy/No answer: Calls are forwarded if you are already on the phone or do not answer.

To set your forwarding options:

1. Select the type of call forwarding and press the **Select** soft key.
2. Select **Enable** and press the **Save** soft key.
3. Press the **Send** soft key. The phone sends your setting to your network.

Once Call Forwarding is enabled, a notification text appears to inform you that your call will be diverted, each time a call is forwarded or you switch the phone on.

To deactivate the call forward setting:

1. Select the call forwarding option.
2. Select **Disable** and press the **Save** soft key.

Call Waiting (*Menu 7-1-4*)

The Call Waiting feature alerts you of incoming calls while you are on a call.

To enable the feature, select **Enable** by using the Navigation keys and press the **Save** soft key.

When this feature is enabled, you can respond to an incoming call by pressing while you are on a call. This puts the first caller on hold and answers the second call. To switch to the first caller, press again.

Note: If you press or close the folder, all calls are disconnected.

To disable, select **Disable** and press the **Save** soft key.

Phone/System *Menu 7-2*

Key Guard (*Menu 7-2-1*)

You can prevent accidental key pressing with this key guard mode. When you have incoming calls in key guard mode, the key guard is automatically deactivated and the phone goes to standby mode. The key guard will be automatically activated after the predetermined amount of time.

The following options are available:

Off: the key guard is not activated.

15/30 Seconds, 1 Minute: the key guard will be automatically activated after 15, 30 seconds or 1 minute.

You can lock the keypad manually by pressing and holding * in standby mode. When this feature is activated, 🔒 displays on LCD.

You can temporarily unlock you keypad by pressing C and *. If you do not want to use the key guard feature, set this menu option to **Off**.

Note: When you have incoming calls or alarm occurs in key guard mode, the key guard is automatically deactivated. After then, the phone returns to standby mode and automatically activates the key guard after the predefined time.

Set Time (*Menu 7-2-2*)

To display the correct date and time on the idle screen or to use the Organiser features, such as Scheduler, Task List, Count Down, Alarm and World Time, you need to set the current time and date using this menu.

Enter the time and date using the numeric keys.

The hour, minute, day and month year each must be entered using 2 digits and the year requires all 4 digits. you need to enter the hour in 12-hour format. You can set AM by pressing 2, PM by pressing 7

Set NAM (*Menu 7-2-3*)

NAM stands for Numerical Assignment Module, essentially your phone number. Your phone can have two NAMs. This means that you can have two phone numbers for using your phone and can quickly and easily switch your service back and forth between the two numbers.

Do not change the setting and use NAM1 only.

Version (*Menu 7-2-4*)

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

Security *Menu 7-3*

Your phone provides you with many security options, including a user-programmable lock code.

To access the **Security** menu, you need to enter a lock code. **The lock code is preset to "0000" at the factory.**

Lock Mode (*Menu 7-3-1*)

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.

On Power-Up: the phone locks automatically the next time you turn it on.

Now: the phone locks immediately.

To place an emergency call, enter the number and then press . The phone recognises three emergency numbers stored in the **Emergency Numbers** menu (**Menu 7-3-3**).

To unlock the phone, press the **Unlock** soft keys and enter the lock code. The phone returns to the standby mode.

Change Code (*Menu 7-3-2*)

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

Enter a new, four-digit lock code.

Emergency Numbers (*Menu 7-3-3*)

Your phone provides you with the option for storing three emergency numbers.The default numbers are 100, 101, and 102. All of these numbers can be manually dialled at any time even when your phone is locked or all of the outgoing calls are restricted.

IMPORTANT NOTICE!
Emergency calling may not be available on all wireless networks at all times. A connection cannot always be guaranteed, due to various transmission methods, network parameters and user settings used to complete a call from your wireless phone.
DO NOT depend on this phone as a primary method of dialling 100 or for any other essential or emergency communications.
Remember to always turn your phone on and check for the adequate signal strength before placing a call.

To store an emergency number:

1. Press or to select a location and press the **Select** soft key.
2. Enter the desired number.

   Each emergency number can be up to 32 digits long. The number already stored in the selected location is automatically deleted when you enter a new number.

3. Press the **Save** soft key to store the number.

To make an emergency call in the lock mode, simply enter a programmed number, and then press .

Voice Privacy (*Menu 7-3-4*)

Used only in digital networks, Voice Privacy encrypts the voice channel so that people cannot eavesdrop on your conversation.

The following options are available:

Standard: The phone will use a standard line for calls.

Enhanced: The phone will make and receive calls on an encrypted high security line.

Note:
- This feature may not be available in all areas. Contact service provider for details and availability.
- You can also enable the Privacy mode option during a call secure. Simply enable the Privacy mode from the In Use Menu while connected to a call.

When this option is enabled and you are located in an area that supports the privacy option, the Privacy icon P is displayed at the top of the screen.

Clear Phone Book (*Menu 7-3-5*)

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

When a confirming message displays, select **Yes** and press the **OK** soft key.

Reset Phone (*Menu 7-3-6*)

Resetting the phone cancels all of your selection in the user-selectable setting options and returns them to the factory default settings.

When a confirming message appears, select **Yes** and press the **OK** soft key. The phone turns itself off and back on and then returns to the standby mode.

Game

You can experience the fun of playing games on your phone.

Settings *Menu 8-1*

This menu allows you to setup volume and backlight.

Press the navigation key to scroll the entries, and then press **Select** soft key to select the desired one.

Volume (*Menu 8-1-1*)

This menu option allows you to adjust the game volume.

- Silent: the game is played in a vibrate mode.
- Level 1 ~ 5: adjust the volume level. The more bars, the louder.

Backlight (*Menu 8-1-2*)

This option allows you to set a backlight on or off during the game.

Game *Menu 8-2*

You can enjoy five fun games on your phone:

To start a game:

1. Select a game by pressing the navigation keys and press the **Select** key.
2. To play a game, press any key.
3. Follow the directions the game screen displays.
4. During the game, to see the menu, press the **CLR**.
5. To end the game, press the ☎/⏻ key.

Note:
- If the battery power is low, the games menu would not be accessed. Charge the battery before using this games menu.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on the safety standards that were developed by independent scientific organizations through periodic and through evaluation of scientific studies.

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

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

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

SAR tests are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.
Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID printed in the label on the phone.

FCC certification information for this model phone is attached separation paper.

For Body 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. 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.

For more Information concerning exposure to radio frequency signals, see the following websites:

Federal Communications Commission (FCC)
http://www.fcc.gov/oet/rfsafety

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

U.S.Food and Drug Administration (FDA)
http://www.fda.gov/cdrh/consumer

World Health Organization (WHO)
http://www.who.int/peh-emf/en

Health and Safety Information

Precautions When Using Batteries

- 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, including 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 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, one that every user must uphold.

When driving a car,driving is your first responsibility. When using your wireless phone behind the wheel of a car,make sure that you are following the special regulations in a given area or country.

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 or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic Devices

Most modern electronic equipment are shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on;
- should not carry the phone in a breast pocket;
- should use the ear opposite the pacemaker to minimise potential 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 wish to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch 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 require you to do so.

Potentially Explosive Environments

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 refuelling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

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

Emergency Calls

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

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

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location. Emergency numbers vary by location.
3. Press .

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 applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch off your phone before boarding an aircraft. The use of wireless phones in aircraft may be dangerous to the operation of the aircraft, and is 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 fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not touch the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.

- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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 Multi-Frequency) You send DTMF signals when you enter numbers by pressing the digit keys.

EVRC - (Enhanced Variable Rate Codec) EVRC is a new global standard for compressing and decompressing voice signals. EVRC uses a lower bit rate (the number of bits sent per second) than existing CDMA vocoders, while providing significant improvements in voice quality. This technology enables your phone to provide superb voice quality while benefiting from the ability to process more cellular voice calls using less bandwidth than the voice codecs in CDMA networks today.

Frequency - A measure based on time, as one or more waves per second, in an electrical or light wave information signal. A signal's frequency is stated in cycles-per-second or Hertz (Hz).

Hands-Free - A feature that permits a driver to use a wireless phone without lifting or holding the handset - an important safety feature for automobiles, tractors and most other motorized vehicles.

LCD - (Liquid Crystal Display) Commonly used to refer to the screen display on the wireless phone.

LED - (Light Emitting Diode) Commonly used to refer to a small light on the wireless phone or on the Desktop Charger. The LED lights on the phone to indicate an incoming call. The lights on the charger indicate that battery charging is taking place.

Prepend - The addition of a prefix, such as an area code, to a phone number.

RF - Radio Frequency

Roaming - The ability to use a wireless phone to make and receive calls in places outside of the home service area.

Service Charge - The amount paid each month to receive wireless service.

Standby Time - The amount of time a fully charged wireless portable or transportable phone can be on and idle without being in use. (See Talk Time)

Talk Time - The length of time a person can talk on a portable or transportable wireless phone without recharging the battery.

Vocoder - Voice Coder. A device used to convert speech into digital signals.

Wireless - Radio-based Systems that allow transmission of telephone or data signals through the air without a physical connection, such as a metal wire (copper) or fiber optic cable.

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SCH-N353 Quick Reference Card

BASIC OPERATIONS			
Make a call	Phone number + ✆	Speed dialling	Enter memory location of desired number, holding the last digit to automatically dial.
End a call	✆/⏻		
Receive a call	✆	Save a Number	Number + **Save** + Enter name + **Select** + ◀/▶ (Category) + **Select** + If necessary, ▲/▼ + ◀/▶ to change the settings or enter information + **Save**
Redial the last call	✆ twice		
Switch to the Vibrate mode	Hold #		
Switch to the 1-Beep mode	Hold **0**	Phone book Search	Press **Find** soft key + ▲/▼ + ▲/▼ + **Select** or ✆
Lock Keypad	Press and hold *		
Unlock Keypad	Press **C** and *		

MENU TREE

Main Menu *(To access, press the **Menu** soft key)*

1 : Phone Book	1 : Find 2 : Add Entry 3 : Groups 4 : Memory Status	6 : Organizer	1 : Scheduler 2 : Task List 3 : Memo Pad 4 : Alarm 5 : Calculator 6 : World Time 7 : Countdown
2 : Message	1 : Write 2 : Inbox 3 : Outbox 4 : Draft 5 : Templates 6 : Erase Messages 7 : Settings 8 : Voice Mail	7 : Setting	1 : Call 1. Answer Mode 2: Auto Redial 3: Call Forward 4: Call Waiting 2 : Phone/System 1; Key Guard 2: Set Time 3: Set NAM 4: Version 3 : Security 1. Lock Mode 2: Change Mode 3: Emergency Numbers 4: Voice Privacy 5: Clear Phone Book 6: Reset Phone
3 : Call History	1 : Missed 2 : Received 3 : Dialled 4 : Erase History 5. Call Duration		
4 : Sound	1 : Ringtones 2 : Ringer Volume 3 : Alerts 4 : Key Tone 5. Power On/Off Melody		
5 : Display	1 : Language 2 : Service Area 3 : Wallpaper 4 : Banner 5 : Backlight 6 : LCD Contrast	8 : Game	1 : Settings 2 : Games

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