

**SAMSUNG**

**PORTABLE CELLULAR  
TELEPHONE  
SCH-A101  
User's Manual**

**DRAFT 2 Number 1999**

**SAMSUNG**

**ELECTRONICS**



Printed in Korea  
Code No. : Test Version  
Basic. 10/99. Rev.1.2



## FCC RF EXPOSURE INFORMATION

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

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

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

### Body-worn Operation

This device was tested for typical body-worn operations using the optional belt-clip/holster placed 0.7 inches (1.8cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.7 inches (1.8cm) must be maintained between the user's body and the phone, including the antenna, whether extended or retracted. The use of third-party belt-clips/holsters with no metallic components that provide the minimum separation distance of 0.7 inches (1.8cm) can be used to satisfy FCC RF exposure requirements. The use of non-tested accessories or other body-worn operations may not comply with FCC RF exposure requirements and should be avoided. Contact your local dealer for optional accessory items.

### Vehicle Mounted External Antenna (optional, if available.)

A minimum separation distance of 7.9 inches (20cm) must be maintained between the user/bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements.

For more information about RF exposure, please visit the FCC website at [www.fcc.gov](http://www.fcc.gov)

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**Safety Precautions and Important Notices**

Read these simple guidelines. Failure to comply with these guidelines may be dangerous or illegal.

For more detailed safety information, see Safety Information on page 67.

**ROAD SAFETY COMES FIRST**

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

**SWITCH OFF IN AIRCRAFT**

Mobile phones can cause interference. Using them on aircraft is illegal.

**SWITCH OFF NEAR BLASTING**

Do not use the phone where a blasting operation is in progress. Observe restrictions, and follow any regulations or rules in force.

**SWITCH OFF WHEN REFUELLING**

Do not use the phone at a refuelling point or near fuels or chemicals.

**INTERFERENCE**

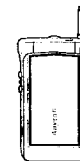
All mobile phone may be subject to radio interference, which may affect their performance.

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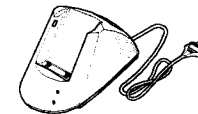
## Unpacking

Your package contains the following items.

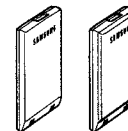
Handset



Desktop Charger



Batteries



Hand Strap



User's Manual



Ear Microphone



In addition, you can obtain the accessories for your phone from your local SAMSUNG dealer. For information on the accessories, see page 64.

### QUALIFIED SERVICE

Only qualified service personnel must install or repair cellular equipment. Use only approved accessories and batteries.

### USE SENSIBLY

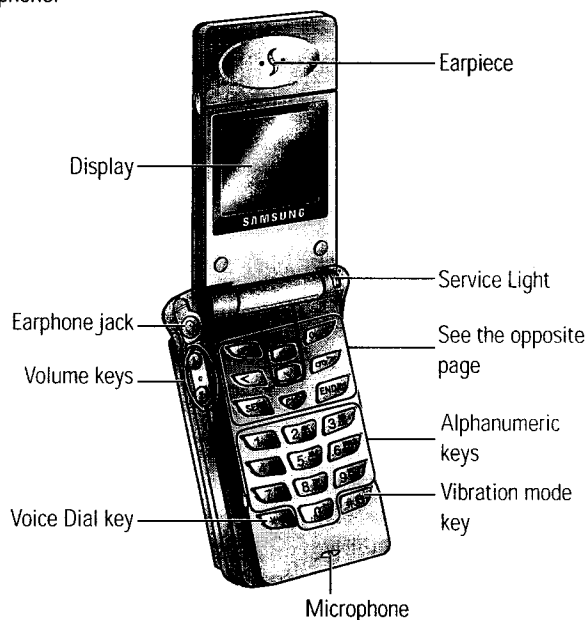
Use only in the normal position (to ear).  
Avoid unnecessary contact with the antenna when the phone is switched on.

**IMPORTANT!** Use only accessories approved by the phone manufacturer. This apparatus is intended for use when supplied with power from SAMSUNG approved Travel adapter and Desktop charger. The use of any other types will invalidate any approval or warranty applying to the phone, and may be dangerous.



When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.

## Phone Layout

The following illustrations shows the main elements of your phone.














### Key Functions


-  Enters the menu facility. Also, scrolls through the menu options.
-  *In idle mode*, enters message menu.  
*In the menu facility*, selects a menu function or stores information that you have entered (such as a name in the phone memory).

8 Getting Started

### Key Functions

-  *In the menu facility*, scroll through the menu options and phonebook memory.
-  *In idle mode*, displays Phone Book names.
-  *In the menu facility*, scroll through the menu options and phonebook memory.
-  When entering a name, move the cursor left and right respectively.  
When the  key is held down in idle mode, records a voice memo. (For details, refer to page 26).
-  Makes or answers call.  
*In the idle mode*, enters Outgoing CallLog.
-  Deletes characters from the display.  
*In the menu facility*, returns to the previous menu level.
-  Ends a call. Also, switches the phone on and off when pressed and held.  
*In the menu facility*, returns to the idle mode and cancels your input.
-  Enters numbers, letters and some special characters.
-  *In the idle mode*, enters Voice Dial mode when pressed and held. *In name input mode*, moves cursor to right.
-  *In the idle mode*, quickly changes to Vibration mode when pressed and held.  
*In name input mode*, moves cursor to right.

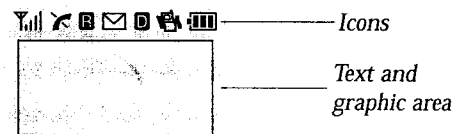
(On the side of the phone)

-  Adjusts voice volume during conversation and key beep volume in the idle mode. *In the menu facility*, scrolls through the menu options.








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## Display

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



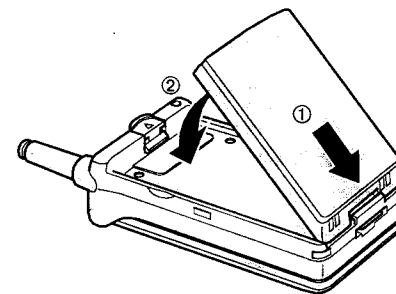
### Icons

-  Shows the received signal strength. The greater the number of bars, the better the signal strength.
-  Indicates that the phone is outside a service area and cannot send or receive calls.
-  Appears when you are out of your home area and have registered with a different network (when travelling in other countries, for example).
-  Appears when a new message has been received.
-  Indicates a Digital mode.
-  Indicates a Vibrate mode.
-  Shows the level of your battery. The more bars you see, the more power you have left.

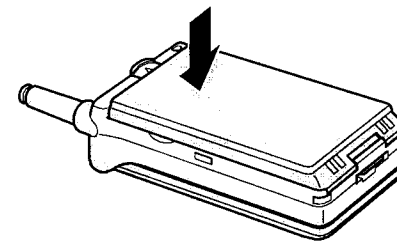
## Installing Battery

### To Install the Battery

1. Insert the tabs on the base of the battery into the notches on the base of the phone as shown.




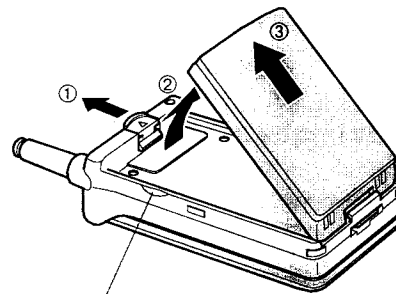
2. Press the battery down until you hear a click.



## To Remove the Battery

If you want to remove the battery, do as follows:

1. If necessary, switch off the phone by holding down  key until the power-off message is displayed.
2. Push up and hold the catch above the battery on the back of the phone and lift the battery away. (① ~ ③)



Use the grooves on both sides of the phone when you lift the battery away.

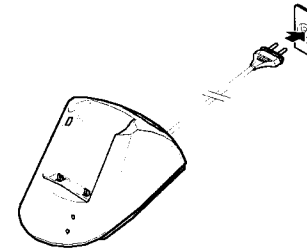
## Charging a Battery


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

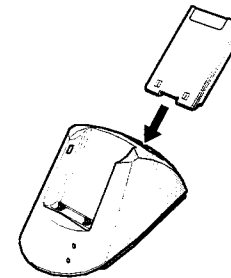
The phone can be used while the battery is charging.


**Note:** You must fully charge the battery before using your phone for the first time. A discharged battery is fully recharged in approximately 180 minutes.

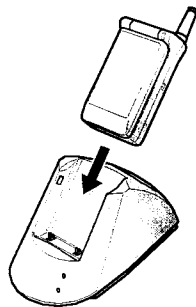
1. Plug the power cord of the charger into a standard wall outlet.



2. Remove the battery from the phone and place it in the rear compartment of the charger. The red lamp marked  on the front of the charger lights up.

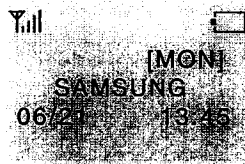


3. If you do not wish to use your phone while charging the battery, you can leave the battery attached to the phone. Place the phone with the battery attached in the front compartment of charger with the keypad facing forward. The red lamp marked  on the front of the charger lights up.




### Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, a clear battery icon (no bars displayed) flashes in the upper right corner of the screen. You will hear a warning tone.





When the battery becomes too weak for the phone to operate, it switches off automatically.

### Switching the Phone On/Off

1. Open the flip cover.
2. Hold down  key for more than one second to switch the phone on.

The red light flashes, an alert sounds:

- When the system locates services, the greeting message displays along with the date and time. You can now place and receive calls.
- If the system cannot locate service, the greeting message displays without the date and time. In this case, you cannot place and receive calls. Power off the phone, then try again later when service is available.
- If your phone is locked, '-Locked-' displays. Press  key, and enter the four-digit lock code to unlock the phone.

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

## General Functions

### Making a Call

---

When the idle screen is displayed, key in the area code and phone number and press  key.

**Note:** If you have set **Auto Retry** option (7-1) to **On** (see page 53), and the call does not connect, the phone automatically retries to make the call.


### Correcting the Number


#### To clear...

The last digit displayed


The whole display

#### Then

Press the  key.

Hold down the  key for more than one second.

### Ending a Call

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




### Emergency Dialing

You can place calls to 100, 101, \*166(??) or one of the three emergency numbers that are in your emergency number list even if your phone is locked. For further information on emergency number list, refer to page 57.

### Prepend Dialing

The **Prepend** option enables you to add up to three digits, such as area codes and network feature activation codes, to a phone number of up to 10 digits. You can prepend an existing entry in the Phone Book or Call Logs before dialing.

To prepend existing phone numbers in the Phone Book or Call Logs:

1. Access the phone number entry.
2. When the desired phone number displays, press  key to access Options.
3. Press  key to select **Prepend** option.
4. Enter the area code or feature code.
5. Press  key to dial the number.

## Making a Call from the Phone Book




You can store the phone numbers called regularly in memory, called the Phone Book. You then simply recall the number to dial.

For further information on Phone Book, refer to page 35.

### FINDING ENTRIES BY NAME, THEN DIAL

1. Press  or  key in the idle mode.


The screen shows the names stored in the Phone Book in the alphabetical order.

2. Use  or  key to find the desired name. You can also enter the first letter of the name by pressing the associated alphanumeric key.
3. Press  key to dial the stored number with the name.

### ONE-TOUCH DIALING BY MEMORY LOCATION

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 second digit of the memory location containing the number to be dialed.

For example: Location no. 09  
Press  and hold.



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

### TWO-TOUCH DIALING BY MEMORY LOCATION

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

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


For example: Location no. 23

Press  briefly and hold down .

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

**Note:** When several numbers are saved in one location, only the phone number which is specified with **Set Speed Dial** option will be automatically dialed. For details, refer to **Options on Phone Book menu (2)** on page 35.

## Voice Dialing

1. To place the call, press and hold  key, or open the flip, depending on the **Set Active (5-4)** option (see page 43).
2. At the voice prompt, say the name into the phone.
  - If the phone recognizes the name, the phone attempts a connection.
  - If the phone does not recognize the name, the screen prompts for the name again.
  - If the phone is unable to recognize the name after two attempts, the message **Cannot Recognize Name. Please check name** displays. Try the call again later, or check the recorded name.

## Last Number Redial

The phone stores the last 10 numbers dialed. To recall any of these numbers, proceed as follows.

1. If there are any characters on the display, clear the display by holding down the **CLR** key for more than one second.
2. Press **SEND** key. The list of outgoing calls are displayed.
3. Use **▲** or **▼** key (or **⊗** **⊙** on the left side of the phone) to scroll through the numbers until you select the required number.
4. Press **SEND** key to dial the number displayed.

## Answering a Call

When somebody calls you, the phone rings and **CALL** in the middle of the screen is displayed.



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 message **CALL** appears.

1. To answer a call, open the flip cover. If the flip is already open, press any key except for **END/ID** key.

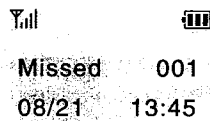
If the **Answer Mode** menu (7-4) is set to **Send=Answer** option, you can answer a call only by pressing the **SEND** key.

2. End the call by closing the flip cover or pressing **END/ID** key.

**Note:** You can answer a call while using the phone book or menu features. Your setting will be cancelled.

## Viewing Missed Calls

If you are unable to answer a call for any reason, you can find out who was calling you, if this service is available. In this way, you can call the person back, if necessary.




Missed 001  
08/21 13:45

The number of missed calls is displayed on the idle screen immediately after the call was missed.

To view the missed call, refer to '**Incoming**' (1-2) under '**Calls**' on page 33.

## 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  key during a call to access the following in-call options:

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

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

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

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

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

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

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

**Send Tel #:** sends DTMF tones of your number.



**SEND:** 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.

## Call Waiting

You can answer an incoming call while you have a call in progress, if this service is supported by the network. Contact your service provider to activate Call Waiting.

When a waiting call comes, the incoming call alert sounds, when set, and a text notification displays.




To answer a waiting call:

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

## Three-Way Calling

This feature enables you to conduct conference calls with two separate parties at the same time. You are billed airtime for each outgoing call separately. Contact your service provider to activate Three-Way Calling.



To place a Three-Way call:

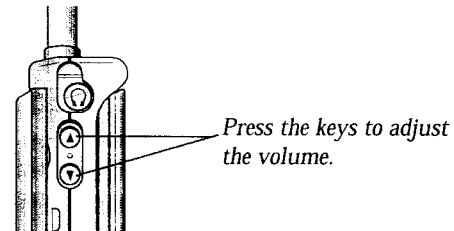
1. During conversation, press  key, enter the phone number for the third party, and then press  key again. The phone places the other party on hold.
2. When the third party answers, press  key again to connect with the original party.

## 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 earpiece volume, use the volume keys on the left side of the phone. Press  key to increase and  key to decrease the volume.




In the idle mode, you can adjust the key tone volume using the same keys.

## Quick Switching to Manner Mode

---

You can quickly switch your phone to vibration mode with a touch of  key. Press and hold the key until the  icon and **-MannerMode-** appears in the display. Your phone goes to the vibration mode immediately.

Press and hold  key again to resume the phone's alert type which was previously set through the **Ring** menu under **Sounds** menu; see page 39 for further details.



This feature is convenient when you are in a hurry to mute the phone's ringer in a theater for example.


## Recording a Voice Memo

---

Your phone can record 10 Voice Memos. Each Voice Memo can be up to one minute in length. When recording, a 60-second timer displays and an alert sounds to indicate when recording time expires.

### To Record a Voice Memo

Press and hold the  key. The message "Recording" displays, along with the timer. You must continue to hold down the  key to record; when you release the key the recording stops.

To stop recording, release the  key.

The following options for the current voice memo becomes available:

**Add Label:** allows you to add a label for the memo you have just recorded. Enter a proper name up to 12 digits using the number keypad. If you do not add a label, the recorded date and time will be used to identify the memo.

**Continue:** allows you to continue recording the memo.

**Erase:** allows you to erase the memo you have just recorded.

### To Review a Voice Memo

This option allows you to play back all memos recorded, starting with the most recent memo. The screen displays the label if you have entered. If not, the screen displays the date and time when the memo was recorded.

While the memos are playing, the following options are available.

**Replay:** plays the current memo once again.

**Erase:** erases the memo currently being played.

**Next Memo:** skips to the next memo.









**Prev Memo:** skips to the previous memo.

# Using the Menus







A three-level menu structure is available to set the various options available on your phone. You can set the menu options in two different ways.

## Using the Navigation Keys


The following keys are used to set menu option by scrolling then selecting an option.

Key	Purpose
	Enters the menu structure. <i>In the menu mode, moves to the next menu in the main menu level and moves to the next screen in the sub-menu level.</i>
 or   or 	<i>In the menu mode, moves to the next menu or option.</i>  You can also use the  or  key on the left side of the phone to move to the next or previous option.
	Access the menu displayed or the highlighted option.




Example: Connecting the **Record** option in **VOICE DIAL** menu

1. Press  key to access the main menu.
2. Press  or  (or ) key repeatedly until **VOICE DIAL** is displayed, then press  key. The **VOICE DIAL** menus are displayed.
3. Press  key to select **Record** highlighted. You are connected to **Record** option.

## Using the Index System






Each menu option is assigned a hierarchical number. You can use this number to access the corresponding option directly. Simply press  and key in the required number.




Example: Connecting the **Record** option in **VOICE DIAL** menu

1. Press  key to access the main menu.
2. Press  key to access **VOICE DIAL** menu. The **VOICE DIAL** menus are displayed.
3. Press  key to select **Record**. You are automatically connected to **Record** option.

The numbers assigned to each option are indicated on the following menu map.

## Menu Map

Main Menu	Menu Level 1	Menu Level 2
1. CALLS 	1: Outgoing 2: Incoming 3: Erase Logs	1: Outgoing 2: Incoming 3: All 1: Last Call 2: Total 3: EraseTotal
2. PHONE BOOK 	1: Find Name 2: My Phone # 3: Add Entry 4: Find Entry	
3. SOUNDS 	1: Ring  2: Key Beep 3: Alert  4: Alarm 5: Diff. Ring 6: Power-on/off	1: Ring Vol 2: Ring Type 3: Ring Tone  1: MinuteBeep 2: SVC Area
4. DISPLAY 	1: Backlight 2: Greeting 3: Version 4: Language	
5. PIM 	1: Schedule 2: To Do List 3: Calculator 4: World Time	

Main Menu	Menu Level 1	Menu Level 2
5. PIM	5: D-Day 6: Tetris Game 7: Slot Machine	
6. VOICE DIAL 	1: Record 2: Rev/Erase 3: Erase All 4: Set Active	
7. SETUP 	1: Auto Retry 2: Auto Receive 3: Auto Hyphen 4: Answer Mode 5: Tone Length 6: Tone 7: Set Time 8. SVC Light 9. Data/Fax 0. Power ON/OFF Animation	
0. SECURITY 	1: Lock 2: Restrict  3: Lock Code 4: Emergency # 5: Send PIN 6: Clr Memory 7: NAM Mode  8: Block Own # 9: System Select  0: Reset Phone	1: Phone Book 2: Incoming 3: Outgoing  1: Manual NAM 2: Auto NAM  1: FM 2: CDMA

# ■ Calls





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


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

## Outgoing

Menu 1.1

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

To ...	Press ...
Select an entry	 or  key
Dial the selected entry	 key
View the date and time at which the call was dialed and use option features	 key

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

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

**Talk:** dials the selected number.





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


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

## Incoming

Menu 1.2

This option lets you view the last 9 calls received. When you access this menu, the last of incoming calls are displayed.

To...	Press ...
Select entry	 or  key
Dial the selected entry	 key
View the date and time at which the call was received and use option features	 key

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

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

**Talk:** dials the selected number.

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

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

## Erase Logs

Menu 1.3

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.

**All:** All calls you dialed and received are erased.

## Air Time

Menu 1.4

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:** duration of the last call

**Total:** total duration of all calls made since the timer was last reset.

**Erase Total:** resets the call timers.



## 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 79 numbers.

### Find Name

Menu 2.1

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

Press  or  key to scroll to the desired name. You can also enter the first letter of the name by pressing the associated alphanumeric key. Using this method, the phone searches for the names in the list beginning with that letter, and then displays the first name in that section of the list. If desired, you can also enter the second letter in the name by pressing the associated alphanumeric key.

When the desired entry displays, press  key to place a call. If you press  key, then  key, you can access the following options:

**Talk:** dials the number.





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

**Edit:** allows you to edit phone number, name, or entry number. **Secret** option prevents the number from being displayed on the screen. **Set Speed Dial** option allows you to designate the number to be dialed as a one-touch or speed-dial number. For details, refer to page 19.

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



**Erase:** erases the number.

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

**Note:** You can locate Phone Book entries quickly when the phone is in the idle mode. Press  or  key to access **Find Name** menu in one step and then press  or  key to scan entries.

## My Phone Number

Menu 2.2

You can check your phone number. If you have more than one phone number, press  or  key to check the next number.


**Note:** You can block this feature by setting **Block Own Number** option to **ON**. Refer to page 59.


## Add Entry








Menu 2.3

This menu allows you to store a number with a name in your Phone Book. You can save a person's different kinds of numbers, such as workplace number, mobile number and fax number, into one entry. Using this feature, you can keep one's information together. It also helps you to find numbers easily in Phone Book.






### Creating a New Entry

1. Enter a number and press  key. The phone book entries are displayed.

 Phone Book



2. Press  key to confirm **<NEW>**. You are asked to select a label. The following labels are available: **Home, Work, Mobile, Pager, Fax, No Label**.
3. After selecting the label, press  key. The first available location displays.
4. To accept the displayed location, press  key. To select another location, press  or  key to scroll to the desired location or enter the location number using the number keys, then press  key.
5. To include a name with the entry, enter the desired name, then press  key. For information on how to enter a name, see page 38.


### Adding a Number in an Existing Entry

1. Enter a number and press  key. The phone book entries are displayed.
2. Select the entry you want to add a number with  or  key, then press .
3. Available labels are displayed. After selecting the desired label, press  key to save the setting.

### Storing Phone Numbers at Call End

To store a phone number at your call end:

1. Press  key to end the call. The call time and the phone number display.
2. To store the phone number, press  key.
3. To complete storing the number, follow the instructions mentioned above.

Phone Book 

## Entering a Name

1. Press the key labeled with required letter.

Since each key has three or more letters, press the key repeatedly until the desired letter appears in the display.

2. Select the other letters in the same way.

**Note:** The cursor moves to next available space when you press a different key. When entering the same letter twice (or a different letter on the same key), just wait for a second for the cursor to move automatically, and then select the next letter. You can also move the cursor by using **\*A** and **#B** keys. To delete letters, press **CLR** key.

## Find Entry

Menu 2.4

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

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

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

If you press **OK/ES** key, then **MENU** key, you can access **Options**. For details on **Options**, refer to the Options on **Find Name** menu on page 35.

# Sounds

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

- Ring volume, type, and tone
- Alert sounds

## Ring

Menu 3.1

### Ring Volume

This option allows you to adjust the ringing volume to one of nine levels. You can also turn the ringer off. Use **v** or **^** key (or **A** or **B** key on the left side of the phone). The more the bars, the louder the volume.

**Note:** During an incoming call, you can mute the ringer by pressing **END/ID** key.

### Ring Type

This option allows you to indicate how you are to be informed of any incoming calls. The following options are available.

**BELL:** The phone rings using the ring tone selected via the menu option.

**LAMP:** The backlight is switched on and the lamp blinks; the phone neither rings nor vibrates.

**VIBRATOR:** The phone vibrates but does not ring.



**VIB + BELL:** The phone vibrates first, then rings.

## Ring Tone

This option allows you to select the required ringing tone. You can choose among 20 different tones or melodies. Each time you select a tone, it sounds for a few seconds.

## Key Beep

Menu 3.2

This option allows you to adjust the tone volume that the keypad generates when you press a key. You can also use  or  key on the left side of the phone to adjust key volume in the idle mode.

## Alert

Menu 3.3

### Minute Beep

With this menu option set to **ON**, the phone beeps every minute during an outgoing call to keep you informed of the duration of your call.

### Service Area



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


## Alarm


Menu 3.4

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

To set the alarm, proceed as follows.

1. Select **Set**.
2. Choose the alarm frequency option, and press  key.
  - Daily:** the alarm rings every day at the same time.
  - One Time:** the alarm rings only once and is then deactivated.
3. Enter the required time.
4. Press  key.

To stop the alarm when it rings, simply open the flip cover or press  key.

To deactivate the alarm, select **Release**, then press  key.

## Differential Ring

Menu 3.5

This option allows you to designate a unique ring to signal an incoming call by a stored caller number.

You can specify up to 5 callers and select a unique ring tone for each caller from 20 different tones and melodies.

## Power OnOff

Menu 3.6

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

The following options are available:

**Enable. Enable.:** the phone sounds both when it is switched on and off.

**Disable. Enable.:** the phone does not sound when it is switched on, and sounds when off.

**Enable. Disable.:** the phone sounds when it is switched on, and does not sound when off.

**Disable. Disable.:** the phone does neither sound when it is switched on nor off.

# Display

## Backlight

Menu 4.1

You can select whether or not the phone uses the LCD backlight. The following options are available.

**8 SECONDS:** The backlight comes on when you press a key or receive a call and switches off 8 seconds after the last key is pressed.

**OFF:** The backlight is not used.

## Greeting

Menu 4.2

This option allows you to set a greeting message to be displayed in the idle mode. It is preset to **SAMSUNG**. You can change the greeting message according to your own preference.

Enter your personal greeting up to 12 digits by using the alphanumeric keys. For more information on entering a name, refer to page 38.

## Version

Menu 4.3

This option allows you to view the software and hardware version of your phone.

## Language

Menu 4.4

You can select a voice and text language on your phone. Your choice also determines key-input language.

## **PIM (Personal Information Manager)**

The PIM feature enables you to:

- View the calendar and organise your schedule
- Define a list of things to do
- Use the phone as a calculator
- Check the current time for 24 major cities around the world
- Set and count D-Day
- Play games

### **Scheduler**

Menu 5.1

With the scheduler feature, you can:

- Consult the calendar
- Write memos to keep a track of your schedule and trigger an alarm if necessary

#### **Consulting the Calendar**

When you select the **Scheduler** menu option (5.1), the current month calendar is displayed with the day highlighted with the cursor.

To view the previous or next month, press **▲** or **▼** key on the left side of the phone.

To move the cursor, use the navigation keys.

#### **Writing a Memo**

To write or edit a memo on a specific date, proceed as follows.

1. Select the required date in the calendar, using the navigation keys.

**Note:** To skip to the previous or next month, press **▲** or **▼** key on the left side of the phone.

2. Press **OK/END** key.

The cursor blinks to allow you to enter the desired time.

3. Enter the time and then press **✓** key to write a memo.

4. Enter your memo and then press **OK/END** key.

**Note:** For further details on how to enter characters, refer to page 38.

5. If you want the alarm to ring on the time of the chosen day, select **Melody Mode** or **Bell Mode**. Selecting **Sound Off** does not ring on the selected time.

6. Press **OK/END** key. The phone saves your setting.

#### **Editing, Adding or Deleting a Memo**

If you select a day for which a memo already exists, you can press **MENU** key to edit, add or delete the memo.

The following options are available:

**Edit:** allows you to edit the memo.

**Add:** allows you to add a memo on the day.

**Del:** allows you to delete the memo.

After you select an option, press **OK/END** key. Then follow the window prompt.


## To Do List



Menu 5.2

This feature allows you to draw up a list of tasks to be done.


### Creating the To Do List

1. Enter a task.

**Note:** You can enter up to 48 characters. For further details on how to enter characters, see page 38. Press  key.

2. Press  key two times to write a desired date and time by when the task has to be done.
3. Enter your task, then press  key.

### Editing the To Do List


If a task is already defined in the To Do List, it is displayed when you select the **To Do List** menu option (5.2). Press  key to edit the content.

The following options are available.

**Edit:** allows you to edit the task.

**Add:** allows you to add another task by the time or create a new task.

**Del:** allows you to delete the task.


Select an option, and press  key. Then follow the window prompt.


## Calculator

Menu 5.3

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

### Using the Calculator

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

**Note:** To erase any mistakes and clear the display, press  key.

## World Time

Menu 5.4

This option allows you to check the current time for 24 major cities around the world, by using the navigation keys.


The screen shows the:

- City name
- Current date and time

## D-Day

Menu 5.5

The phone counts how many days, hours and minutes are left for the day on which an important action is planned to happen or begin. Enter the D-Day Title and the date. It is preset to the coming Millenium.

When D-Day is displayed, press  key to edit the title or the date.

## Tetris Game

Menu 5.6

This menu allows you to play Tetris game.

When you select the **Tetris Game** menu option (5.6), the screen shows several options to allow you to configure the game level amd environment according to your preference.

You can choose the following options:






**High Score:** displays the top score.



**Level:** allows you to select the level of difficulty.


**Next Block:** allows you to choose whether next block is shown or hidden.


**Back Light:** allows you to turn the backlight on or off.



**Sound:** allows you to turn the sound on or off.



Move the cursor with  or  key and toggle the value with  or  key. After configuring the game, press  key to start playing the game.

To move the blocks left or right, use  or  key.

To change the block shape, press  key once or more.


To move down the blocks, press  key.

While you playing the game, to pause the game temporarily, press  key. To resume the game, press  key again.

After the game is over, your score is displayed. If you want to return to the game start screen, press  key. If you return to the **PIM** menu (5) list, press  key.

## Slot Machine

Menu 5.7


When the game start screen is displayed, press  key to get a 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 be sure to finish the game. Selecting **No** returns to the idle mode.

Now you know how to play the game. Press  key to return to the game start screen, and play the game.


## Erase All

Menu 6.3


This option allows you to delete all voice dialing entries. Press  key, when you asked to confirm. Otherwise, press  or  key to exit this menu without deleting the voice dialing entries.


## Set Active

Menu 6.4

Voice Dialing is always active once you have recorded a name and have entered the associated phone number. To place a call using Voice Dialing, simply press and hold  key in the idle mode and then say the name into the phone after you hear the prompt.

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

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

**[\*]/Flip:** Enables Voice Dialing by pressing and holding  key or by opening the flip.

# Setup

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

## Auto Retry

Menu 7.1

With this menu option set to **ON**, when you place a call and the call does not connect, your phone continues to place the call to the entered phone number.

## Auto Receive

Menu 7.2

With this menu option set to **ON**, the phone automatically answers calls.

When a call comes in, your phone will answer the call automatically after 2 rings. The feature does not work if you have chosen **Vibrate** as a ring type or **Off** as your ring volume.

## Auto Hyphen

Menu 7.3

With this menu option set to **ON**, your phone automatically hyphenates numbers as follows: 012-345-6789. Digits following a pause are not hyphenated.

## Answer Mode

Menu 7.4

This menu option allows you to select an answer mode when an incoming call comes. It is preset to **Open=Answer**.

The following options are available:

**Open=Answer:** The phone answers when you open the phone.

**AnyKey=Answer:** The phone answers when you press any key except **END/0** key.

**Send=Answer:** The phone answers when you press **SEND** key.

## Tone Length

Menu 7.5

Some phones you call can recognize only longer tones. You may have to change the length to **LONG** for some calls. When calling a paging system, your phone should be in the **SHORT** mode.

## Tone

Menu 7.6

**Release Tone:** You can set your phone to sound the release tone when a call is released or dropped.

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

## Set Time

Menu 7.7

The option enables you to set the current date and time. Enter the time and date.

The current time, if set, displays. The month, day, hour and minute must be entered with 2 digits. The year requires all four digits. If you do not input the time or you input the wrong time, **Invalid Time** displays.

**54** Setup

## Service Light

Menu 7.8

The **SVS Light** option allows you to select whether or not the service light in the top right-hand corner of the phone is used.

The following options are available.

**OFF:** the service light is not used.

**ON:** the service light flashes when the phone is ready for use.

## Data/Fax

Menu 7.9

To send or receive data or fax through the phone, you have to set this option to **Data** or **Fax**. When you want to use the phone for a normal voice call, set to **Voice Call**.

The following options are available:

**Voice Call:** receives a call.

**Data:** receives or sends data.

**Fax:** receives or sends fax.

## Power ON/OFF Animation

Menu 7.0

This menu allows you to select animations displayed when you switch the phone on and off.

**On Ani:** You can select a power-on animation. There are three graphics you can choose.

**Off Ani:** You can select a power-off animation. There are three graphics you can choose.

Security **55**

# 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.

## Lock

*Menu 0.1*

Locking the phone restricts outgoing calls to emergency numbers.

The following options are available:

**OFF:** the phone remains unlocked.

**NOW:** the phone locks immediately.

**ON POWER-UP:** the phone locks automatically at the next power-up.

To place an emergency call on Lock mode:

- To call an emergency number, enter the number and then press **SEND** key.
- To place normal outgoing calls, press **MENU** key to display the Lock Code screen, and then enter the lock code. When the Standby screen displays, enter the phone number, and then press **SEND** key.

## Restrict

*Menu 0.2*

This feature allows you to restrict your calls. Call Restriction can be set up in the following ways.

**Phone Book:** the phone restricts the use of the Phone Book.

**Incoming Call:** calls cannot be received.

**Outgoing Call:** calls cannot be made.

Each option can be restricted or unrestricted individually.

## Lock Code

*Menu 0.3*

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 the **OK/YES** key.

## Emergency Number

*Menu 0.4*

This feature allows you to call to emergency numbers when the phone is locked or when the outgoing call is restricted.

This menu provides the option of storing three emergency numbers. Select a location and enter the desired number.

To dial emergency numbers in Lock mode; enter the emergency number, then press **SEND** key.

## Send PIN

Menu 0.5

This feature prevents the phone from being used by unauthorized persons. The feature is only available when if your system supplier provides this service and you have a PIN assigned by the system supplier.

These options are available:

**Never:** The option is not activated

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

For information about this service in detail, contact your service provider.

## Clear Memory

Menu 0.6

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

## NAM Mode

Menu 0.7

The NAM (Number Assignment Module) enables you to subscribe to one or more service networks.

The following options are available:

**Manual NAM:** You set the phone to the network you want to use. You can select a NAM from a maximum of 2 NAMs. If you select a new network manually, the phone shows the greeting message and sounds the starting beep, and then returns to the Standby mode. For details, contact your service provider.

**Auto NAM:** With this option is set to **ON**, the phone selects the networks automatically based on system information for the area you are in.

## Block Own Number

Menu 0.8

This feature allows you to block your own number display, and others cannot view your phone number. If you turn this feature on, the message **Blocked for phone number** displays when the **My phone #** feature is accessed.

# Messages

## System Select

Menu 0.9

With this menu option, you can select the system service mode between FM(analog) and CDMA(digital). Each service mode allows you to select a roaming option. Roaming is a feature which is only relevant in areas where there are at least two cellular service providers and having valid roaming agreements.

Roaming, when available, allows you to register your phone on one of the networks, but use the facilities of the other if your own network is not available. This system priority feature allows you to program your phone for optimum operation when within your home service area or when outside your home service area.

Contact your home cellular service provider for information on the availability of this feature and roaming agreements they have with other cellular service providers.

There are five different roaming options:


- A Only:** the phone uses A system only.
- A Pref:** the phone tries A system first, then tries the other.
- B Only:** the phone uses B system only.
- B Pref:** the phone tries B system first, then tries the other.
- Home Only:** the phone uses your home network only.

## Reset Phone

Menu 0.0

With this menu option, you can easily reset your phone to its default configuration. Also, all phone memories are cleared.

**60** Security

Your phone receives voicemail notification, text messages, and pages. And your phone transmits text messages and pages if your system supplier provides this service. When the phone receives a message, an alert sounds, and a text notification displays. The  icon remains on the screen until you read the pending text messages or until you listen to the voicemail notification messages.


Your phone can store up to 20 pages and text messages, depending on the length of the message. If the message memory is full, an error message is displayed and you cannot receive any new messages. Delete obsolete messages.


## Reading Message

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The menu allows you to read voicemail notification, text messages, and pages.

The following options are available:



**Voice ( 1-1):** The screen displays the time, date and the number of new, unplayed messages.

Press  key to access the following options.

- **Listen:** You can listen to the voicemail.
- **Reset:** You can reset the counter for voicemail messages, if desired. (The system resets the counter automatically after you listen to all new messages.)



**Page ( 1-2):** An indexed list of page messages displays. An exclamation point next to an entry indicates an urgent message. A check mark next to an entry indicates that you have read and stored the message.

Messages **61**

Select the desired message to review, then press  key. After reviewing the message, press  key to access the following options.

- **Talk:** To call the phone number.
- **Save:** To store the phone number in your Phone Book.
- **Next:** To review the next message.
- **Previous:** To review the previous message.

**Text (✉ 1-3):** An indexed list of text messages displays. An exclamation point next to an entry indicates an urgent message. A check mark next to an entry indicates that you have read and stored the message.

Select the desired message to review, then press  key. After reviewing the message, press  key to access the following options. For details on **Option**, refer to the **Page (✉ 1-2)** menu.

Via the **Alert (✉ 1-4)** menu, the phone alerts you when a message is received. You can choose how frequently this happens. The three options are: **EVERY 2 MIN, OFF, ONCE**.

To delete all stored messages you have received, select **Erase All (✉ 1-5)**.

## Transmitting Message



The menu allows you to transmit pages and text messages, and to store the messages you have transmitted.

The following options are available:

**Paging (✉ 2-1):** When prompted, enter destination address number, then a number you want to be called back.

**Messaging (✉ 2-2):** When prompted, write the message and enter its destination address number, then a number you want to be called back. You can set text message's priority. Priority options are available: **NORMAL, URGENT, EMERGENCY**.

The messages you have transmitted are stored in **Tx Box (✉ 2-3)**.

- **Stored Msg:** This menu allows you to read the stored messages you have transmitted.
- **Erase All:** This menu allows you to erase all messages you have transmitted.

## Accessories

### Batteries

Three types of Li-ion batteries are available for use with your phone:

- SLIM Battery
- STANDARD Battery
- EXTENDED Battery

### Cigarette Lighter Adapter

The Cigarette Lighter Adapter charges your phone in a vehicle while you drive and enables you to operate the phone from a vehicle cigarette lighter socket.

### Travel Charger

The Travel Charger plugs into a wall outlet and enables you to charge a single battery at your home or office or while traveling.

### Hands-Free Car Kit

The Hands-Free Car Kit provides safety, freedom and convenience in your vehicle. (Kit includes Cradle and Microphone.)

### Ear-Microphone

The Ear-Microphone includes both the earpiece and microphone in a convenient, lightweight unit.

### RS-232C Cable

The RS-232C Cable connects your SCH-A101 to your computer port, allowing you to use Internet or other communication programs.

## Using the Batteries

Your phone is powered by a rechargeable Li-ion 1000 mAh standard battery.

The following batteries are also available (ask your SAMSUNG dealer for further details):

- SLIM Battery (500 mAh)
- STANDARD Battery (1000 mAh)
- EXTENDED Battery (1600 mAh)

### 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 times are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging times depend 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.

## Safety Information

### Road Safety

- Remember, road safety always comes first!
- Do not use a hand-held phone while driving a vehicle. Always park the vehicle before having a conversation.
- Make sure that the phone is stored safely and will not fall or be broken in the event of a collision or emergency stop.
- The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.
- Only qualified personnel should install or service the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the unit.
- Electronic fuel injection, anti-skid braking, electronic cruise control or any other electronic systems may malfunction due to the lack of protection from radio signals. Check regularly that all cellular phone equipment in your vehicle is mounted and operating correctly.

### 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 (in a hospital for example).

- 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.

- Operation of any radio transmitting equipment, including cellular phones, may interfere with inadequately protected medical devices. Consult a physician or the manufacturer of the medical device if you have any questions. Other electronic equipment may also be subject to interference.
- As with other mobile radio transmitting equipment, you are advised that for satisfactory operations and personal safety, the equipment should only be used in the normal operating position.
- Always switch off the phone when at a refuelling point (service station). You 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.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- Switch off your cellular phone when in an aircraft. The use of cellular phones in an aircraft is illegal and may be dangerous to the operation of the aircraft or disrupt the cellular network. Failure to observe these instructions may lead to the suspension or denial of cellular telephone services to the offender, 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 the warranty obligations and 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 containing minerals will corrode the electronic circuits.
- Do not use or store the phone in dusty, dirty areas as its components 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 temperature), moisture can form inside the phone, which may damage the electronic circuits.
- Do not attempt to open the phone. Non-expert handling of the phone may damage it.
- Do not drop or knock the phone. Rough handling may damage the internal circuits.

- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in mild, soapy water.
- If the phone or any of its accessories are not working properly, take them to your nearest qualified service centre. The personnel there will assist you, and if necessary, arrange for the phone to be repaired.

## Emergency Calls

**Important!** This phone, like any cellular phone, uses radio signals, cellular and landline networks, as well as user-programmed functions that cannot guarantee connection in all conditions. Therefore, you should never rely solely on any cellular 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 cellular signal strength.

Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use. Check with local cellular service providers.

# Glossary of Terms

**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 seen as cell or cell site)

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

**Channel** - Communications signals transmit along paths called channels.

**Codec** - Compression & Decompression.

**Deactivation** - The process of rendering a wireless phone inactive.

**DTMF** - (Dual-tone Modulated Frequency ) You send DTMF signals when you enter numbers by pressing the digit keys.

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

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

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

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

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

**Voicemail** - A computerized answering service that answers a call, plays a greeting and records a message. Depending on the sophistication of the service, it can notify the subscriber, via a pager, of an incoming call or message. (Also called voice messaging)

**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.