

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



**CELLULAR PHONE
SCH-A603
User's Manual**



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

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

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 0.78 inches (2.0cm) from the body. To comply with FCC RF exposure requirements, a minimum separation distance of 0.78 inches (2.0cm) 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 0.78 inches (2.0cm) 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 a person and the vehicle mounted external antenna to satisfy FCC RF exposure requirements.

For more information about RF exposure, please visit the FCC web site at www.fcc.gov

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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. For more detailed safety information, see "Health and Safety Information" on page 127.

Road Safety at All Times

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

Switching Off When Refuelling

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

Switching Off in Aircraft

Wireless phones can cause interference. Using them in 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).

Important Safety Precautions

Sensible Use

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

Accessories and Batteries

Use only Samsung-approved accessories and batteries.

Qualified Service

Only qualified service personnel may install or repair your phone.

Unpacking

Your package contains the following items:

Handset



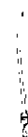
Battery



Travel Adapter



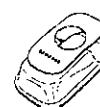
Hand Strap



User's Manual



Leather Case



Ear-microphone



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

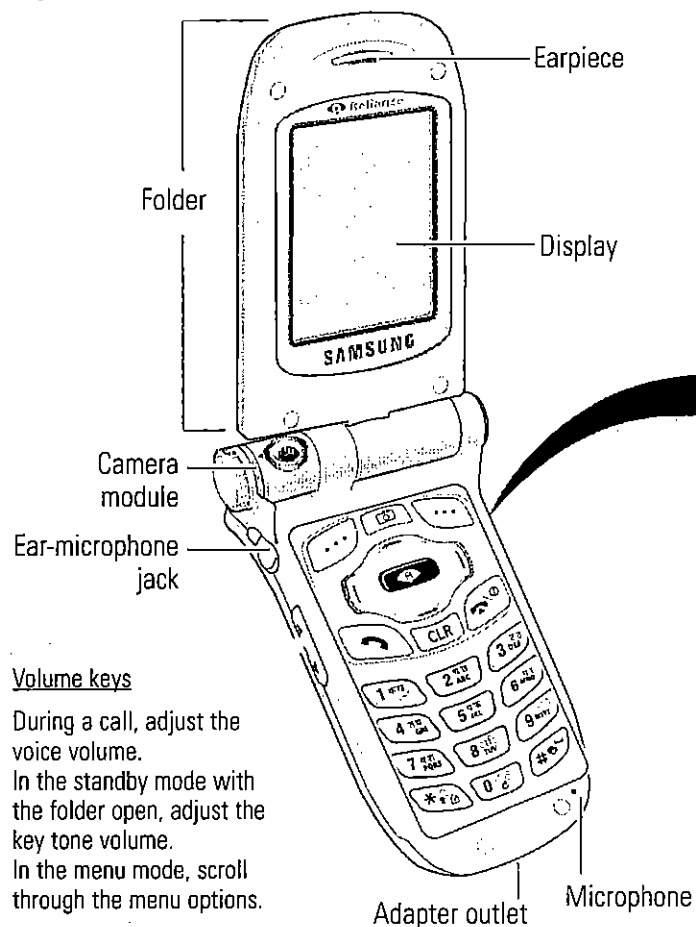
- Ear-microphone
- Travel adapter
- Standard and extended batteries
- Cigarette lighter adapter
- Hands-free car kit
- Data cable
- Leather case

Your Phone

Phone Layout

The following illustrations shows the main elements of your phone.

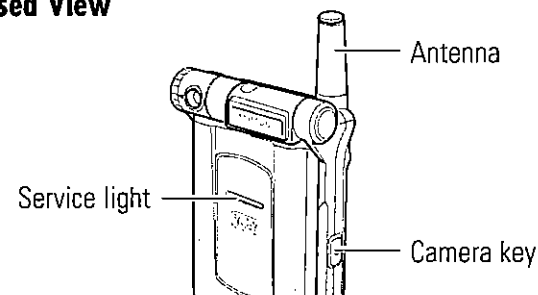
Open View




Volume keys


During a call, adjust the voice volume.
 In the standby mode with the folder open, adjust the key tone volume.
 In the menu mode, scroll through the menu options.


Closed View




Key Functions

 Perform the functions indicated by the text above them, on the bottom line of the display.

 Quickly enters the **Pictures** menu. Turns the camera on when held down. In the capture mode, works as a camera shutter.

 In the menu mode, scrolls through the menu options and phonebook memory. In the standby mode, accesses the following menus:

-  : **Find**
-  : **Ringer Type**
-  : **Scheduler**
-  : **Voice Memo**.

 Quickly launches R-World.

Key Functions *(continued...)*

Makes or answers a call.

In the standby mode, recalls the last outgoing numbers you dialed. Redials the last outgoing number when pressed twice.



Ends a call. Also switches the phone on and off when held down.

In the menu mode, cancels your input and returns to the standby mode.



Deletes characters from the display.

In the menu mode, returns to the previous menu level.



Enters numbers, letters and some special characters.



In the standby mode, initiates the voice dialling feature when held down.

While entering text, allows you to change the case.

Also, use this key for the special star calling feature.

Key Functions *(continued...)*

In the standby mode, enters or exits the silent mode when held down.

Also, use this key when you make a call to an automated system, especially when using teleservices.

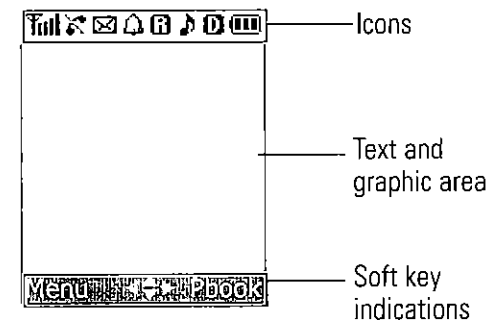


(on the right side of the phone)
Turns the camera on when held down so that you can take a picture when the folder is reversed. In the capture mode, works as a camera shutter.

Display

Layout

The display has three areas; an upper line of various icons, the lower text and graphic area and the last line containing the soft key indications.



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 message is received.



Alarm: Appears when you set an alarm to ring at a specified time.



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



Ringer On: Appears when you set the ringer volume for calls to one from **Level 1** to **Level 8** or to **1-Beep**.



Ringer Off: Appears when the ringer volume is turned off.



Vibration: Appears when you set the ringer volume for calls to **Vibrate** or when the phone is in the silent mode.



Digital Mode: Indicates when the phone is in a digital network.



Analogue Mode: Indicates when the phone is in an analogue network.



1x Mode: Indicates when the phone is in the 1x mode.



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

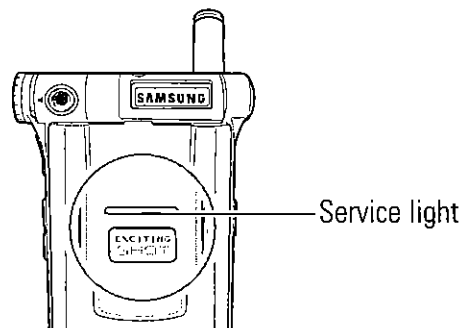
Backlight

The display and the keypad are illuminated by a backlight. When you press any key or open the folder, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the **Backlight** option set in the **Display** menu. The backlight remains on at all times when the phone is connected to an optional car kit.

To specify the length of time for which the backlight is active, set the **Backlight** menu option (**Menu 8-5**); see page 105 for further details.

Service Light

The service light is on the folder. It flashes to indicate incoming calls or messages. The light also flashes for a few seconds when you turn on or off the phone and is used for indicating the charging progress.



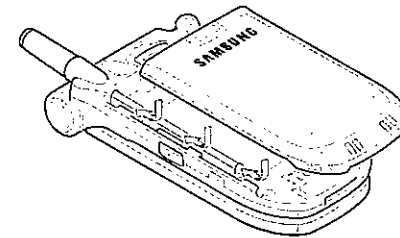
Getting Started

Using a Battery

Your Samsung phone comes packaged with a partially charged, rechargeable Lithium Ion (Li-ion) battery.

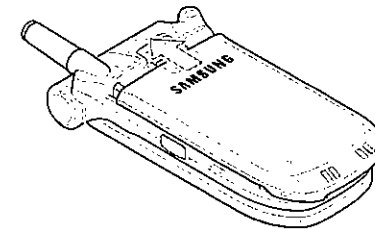
Installing the battery

1. Place the battery back on the phone so that its tabs match the slots on the phone.




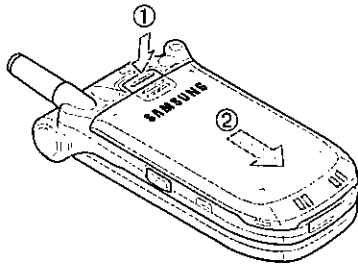
2. Slide the battery towards the top of the phone until it snaps into place.

Make sure that the battery is correctly installed before switching on the phone.



Removing the battery

1. If necessary, switch off the phone by holding down  until the power-off image displays.
2. Press the catch above the battery and slide the battery away.



Charging the Battery

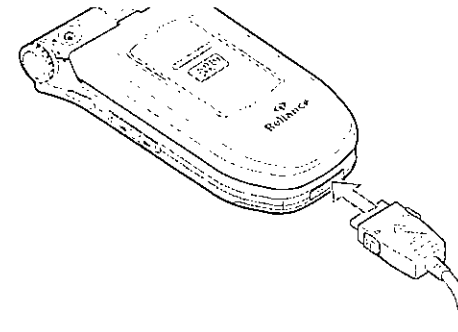
The travel adapter is provided with your phone to allow you to charge your phone's battery from a standard AC wall outlet. Use only approved batteries and chargers.

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

You can use your phone while the battery is charging, but this increases time it will take to charge the battery. An "empty" standard battery can be fully charged in approximately 4 hours.

To charge the battery:

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



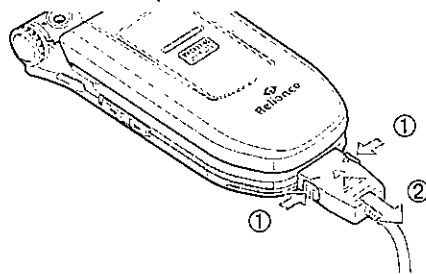
2. Plug the adapter into a standard wall outlet.

The battery begins charging immediately, and the service light turns on and blinks while the battery is charging.


3. The service light tells you the status of the battery being charged.


- Red: the battery is charging.
- Green: the battery is fully charged.
- Yellow: the battery is not correctly connected or operating in a too low or too high temperature.

4. When charging is finished and the service light stops blinking, unplug the adapter from the power outlet and from the phone.



Low Battery Indicator

You can easily tell if your battery needs to be recharged by checking the Battery Status icon () at the upper-right corner of your phone's display. The presence of all three bars indicates a full charge, two bars indicates a smaller charge, and one bar indicates an even smaller charge.


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

Battery Talk Time and Standby time


Battery times can vary depending on operating conditions, usage, signal strength and backlight setting. Talk time usage will decrease standby time.

- Talk time: xx hours
- Standby time : xx hours


Switching the Phone On or Off

1. Press and hold  until the power-on image displays to switch the phone on.

The service light on the phone flashes and 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 phone is out of service, the No Service icon () appears on the display. In this case, you cannot make and receive calls. You can try again later when service is available.

Note: You can change the display language. To change the language, use the **Language** menu option (**Menu 8-1**); for further details, refer to page 103.



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

WARNING!

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

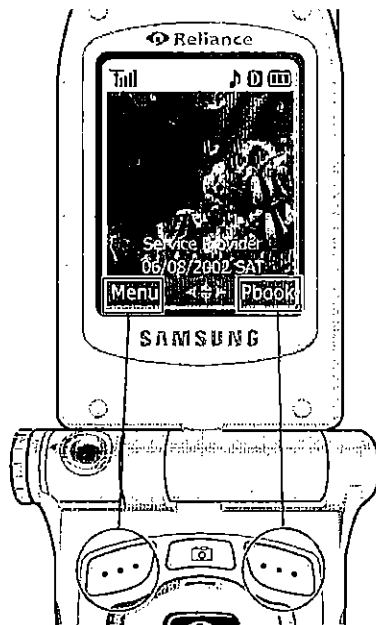
Note: As with any other radio-transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects the call quality and may cause the phone to operate at a higher power level than otherwise needed.

Using the Soft Keys

Your phone offers a set of functions that allow you to customise your phone. These functions are arranged in menus and sub-menus, accessed using 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 main menu mode.

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

Your Phone's Modes

Standby Mode

Standby is the most basic state of your phone. The phone goes into the standby mode after you turn it on or whenever you briefly press . When your phone is in the standby mode, you will typically see the greeting message and the 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 the standby mode. Be careful; if you are on a call when you press , you will disconnect the call and return to the standby mode. Press  several times or hold it to return to the standby mode without ending the call.

Talk Mode

You can place and answer calls only when your phone is turned on. During a call, the phone is in the talk mode. While you are in the talk mode, pressing the **Menu** soft key gives you a list of options. See page 37 for details about 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 10 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 the Power Save Mode.

Lock Mode

When you lock your phone using the **Lock Phone** menu option (**Menu 9-4-1**) in the **Setup** menu, you cannot use the phone. In the lock mode, you can receive messages and calls, but you cannot place an outgoing call until you unlock the phone. To unlock the phone, you need to enter the lock code.

For details about locking and unlocking your phone, see page 110.



Call Functions

Making a Call

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

Note: If the **Auto Redial** option (**Menu 9-1-2**) have been enabled, the phone automatically retries to make the call when the line is busy or the remote person does not answer. See page 107.

While entering a number, press the **Menu** soft key to use the following menu options:

Talk: places a call to the number.

Save: allows you to save the number in the phonebook.

Find: allows you to find a number from the phonebook.



Hard Pause: enters a hard pause.

2sec Pause: enters a 2-second pause.


Notes:


- When you enter a number corresponding to a phonebook location, the **Speed Dial** option is available. For details about speed dialling, see page 29.
- When you enter four digits, the **4-digit Dial** option is available. For details about four-digit dialling, see page 30.

Correcting the Number

To clear the	Press
last digit displayed	
whole display	 for more than one second.

Ending a Call

When you want to finish your call, briefly press  or close the folder.


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

Emergency Dialling





You can place emergency calls from your emergency number list even if your phone is locked or all of the outgoing calls are restricted.

For more information about emergency numbers, see page 111.

Redialling the Last Number

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

Your phone stores the last 10 outgoing calls. To recall any of these numbers:

1. In the standby mode, press . The list of the outgoing calls displays.
2. Press  or  until you find the required name or number.
3. Press  to dial the number displayed.

Making a Call from the Phonebook




You can store the phone numbers called regularly in the memory, which is called the phonebook. You then simply recall the number to dial.

For further information about the phonebook feature, refer to page 58.

Prepend Dialling

The prepend option lets you add digits, such as area codes and network feature activation codes, to a phone number that is in your call logs or phonebook.

To prepend a phone number stored in your phone:

1. Access outgoing call logs by pressing  or phonebook entries by referring to page 58.
2. Scroll to the required number.
3. Press the **Menu** soft key to access the options.
4. Press  to select the **Prepend** option.
5. Enter the area code or feature code.
6. Press  to dial the number.

Speed Dialling

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

Note: When several numbers are saved in one name entry, the first number you entered is automatically specified as a speed dial number. To change the speed dial number, use **Speed dial** of the phonebook options; see page 61.

One-Touch Dial

Memory locations 001 through 009 are special one-touch locations. You can dial the phone numbers stored in the phonebook memory from 001 through 009 simply by pressing one key.

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 number (and name) stored is displayed, then dialled.

Two-Touch Dial

Memory locations 010 through 099 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  briefly and hold down .




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

Three-Touch Dial

Memory locations 100 through 250 are special three-touch locations.

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

For example: Location no. 123




Press  and  briefly, then hold down .

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

Four-digit Dialling

You can enter any four consecutive digits of a phone number in the phonebook and your phone can dial the entire number for you. This feature is convenient if you have the number memorised, but you have forgotten where the number is stored in your phonebook.


Enter the last four digits of the phone number you want to dial. Press the **Menu** soft key and select the **4-digit Dial** option. The phone automatically dials the phone number matching the four digits.

If the phone found more than one number that contains those four digits, it displays the first number. Scroll through the number using  or  to select a number and press  to dial it.

Pause Dialling

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

There are two kinds of pauses that can be entered on your phone:



- **Hard pause:** A hard pause stops the dialling sequence until you press .
- **2-second pause:** A two second pause stops the dialling sequence for two seconds and then automatically sends the remaining digits.

Note: Multiple two second pauses can be entered to extend the length of a pause. For example, two consecutive pauses cause a total pause time of two seconds. However, keep in mind that pauses count as digits towards the 32 digit dialling maximum.


Storing Pauses in a Phonebook Entry

To store a number in your phonebook that contains pauses:

1. Enter the phone number you want to store, such as the bank's teleservice phone number.
2. Press the **Menu** soft key to access the options.

3. Select the required pause type.
 - Press  for **Hard Pause**. The letter "P" displays, meaning that a hard pause will occur at that point in the dialling sequence.
 - Press  for **2sec Pause**. The letter "T" displays, meaning that a "Timed" pause will occur at that point in the dialling sequence.
4. Enter the digits that need to follow the pause, such as your account number.
5. Repeat steps 2 through 4 to add more pauses and numbers, if necessary.
6. Store the number in your phonebook as you normally would by pressing the **Save** soft key and following from Step 2 on page 60.





Pause Dialling from a Stored Phonebook Entry

1. Dial the number of the service from the phonebook.
2. Wait for the appropriate prompt from the system you are calling.
3. When prompted, press  to send the DTMF (Dual tone multi-frequency) number that follows your pause.

"SENDING DTMF" flashes on the display and the transmitted tone sounds.
4. Repeat from Step 2, if necessary.


Manual Pause Dialling

You can enter pauses manually during the dialling process.

1. Enter the phone number of the service you want to call, such as a bank's teleservice phone number.
2. Press the **MENU** soft key to access the options.
3. Select the required pause type.
 - Press  for **Hard Pause**. The letter "P" displays, meaning that a hard pause will occur at that point in the dialling sequence.
 - Press  for **2sec Pause**. The letter "T" displays, meaning that a "Timed" pause will occur at that point in the dialling sequence.
4. Enter the number to be sent after the pause and then press  to dial the first number.
5. To transmit the additional number after connecting, press  again at the prompt for the pause.



Voice Dialling

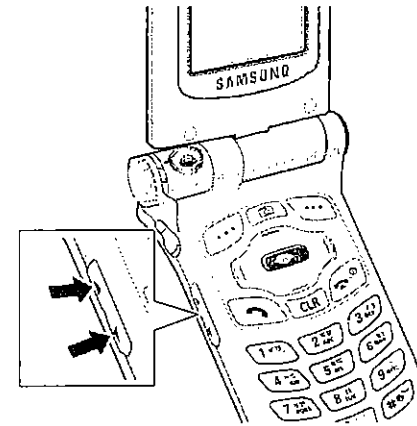
Before using the voice dialling feature, you must record names and numbers in your phone using the **Voice Dial** menu (**Menu 6-1**). For further details, see page 91.

1. To place a call, press and hold  or open the folder, depending on the **Set Active** menu option (**Menu 6-1-4**). See page 93.
2. At a voice prompt, say a name into the microphone.
 - If the phone recognises the name, the phone attempts a connection.
 - If the phone does not recognise the name, the screen prompts for the name again.
3. The phone dials the corresponding number.

Adjusting the Volume

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

Press  to increase the volume level and  to decrease the level.





You can also adjust the key tone volume using these keys in the standby mode.

Answering a Call

When somebody calls you, the phone rings and displays the incoming call animation.


If the caller can be identified, the caller's phone number, or name if available in your phonebook, displays.

1. To answer a call, press .

If the **Answer Mode** menu option (**Menu 9-1-1**) is set to **Any Key**, you can answer a call by pressing any key except for .

When the menu option is set to **Folder Open**, you can simply open the folder to answer the call.

For details about the **Answer Mode** menu option, see page 107.

2. To end the call, press  or simply close the folder.

Notes:

- You can answer a call while using the phonebook or menu functions. The current operation is interrupted.
- If you cannot answer incoming calls, you can set the phone to answer the call by playing a greeting message and record callers' messages. For further details, see page 96.

Options During a Call

Your phone provides you with a number of functions that you can use during a call.

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

Phone Book: allows you to access the **Phone Book** menu. For details, see page 58.

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

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

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

Calls: allows you to access the **Calls** menu. For details, see page 54.

Messages: allows you to use the Message features. For details, see page 64.

Organiser: allows you to access the **Organiser** menu. For details, see page 81.


Using Caller ID

This feature tells you who is calling you by displaying the caller's number when the phone rings. If the name and number are stored in your phonebook, the corresponding name is also displayed. If you call someone who has this feature, your phone number displays on her/his phone.

Note: Contact Reliance to set up the Caller Line Identification service.

Viewing Missed Calls



If you fail to answer a call for any reason, the phone indicates the missed call by displaying a text notification on the screen. Additionally, if caller information is available, the screen displays the phone number of the most recent missed call.


Press  to call the displayed number or the **Save** soft key to save the number in the phonebook.

To view missed calls, access the **Missed** menu option (**Menu 1-3**) on page 56.

Quickly Switching to the Silent Mode

The silent mode disables all of the 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 the silent mode with one touch of a key.

In the standby mode, to enter the silent mode, press and hold  until "Enter! Silent Mode" and the Vibration indicator () display.

To exit the silent mode and reactivate the previous sound settings, press and hold  again until "Exit! Silent Mode" appears. The Vibration indicator no longer displays.

Call Forwarding

This network feature allows you to forward incoming calls to another phone number, even while your phone is turned off. Activating Call Forwarding does not affect outgoing calls made from your phone. Contact Reliance to activate Call Forwarding.



Call Waiting

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

Your network provides you with 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 an undisturbed conversation, simply turn off the feature for the current call.

Note: Contact Reliance to activate the Call Waiting service.

To answer a waiting call during a call:

1. When you hear a beep telling that you have a waiting call, press . The phone connects the calling person and places the current call on hold.
2. Press  again to switch between the two calls.




Note: If you do not respond to a Call Waiting notification, the phone will forward the call to voice mail server or another number that you have set up. Contact Reliance for more information.

Three-Way Calling

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

Note: Contact Reliance to activate Three-Way Calling.

To place a Three-Way call:


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

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

Entering Text

At many times when using your phone, you will need to enter text; for example, when storing a name in the phonebook, creating your personal greeting or scheduling events in your calendar. You can enter alphanumeric characters into your phone using your phone's keypad.

Your phone has the following text input modes:

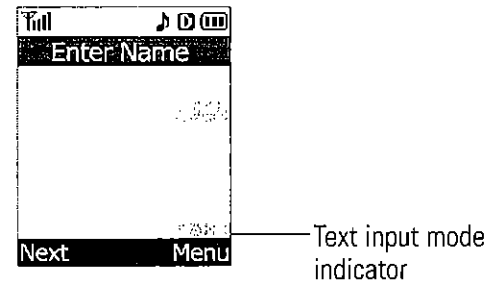
- **T9(English):** This mode allows you to enter words with only one key press per letter. Each key on a keypad has more than one letter - a single press on  could be J, K or L. The T9 mode automatically compares your key presses to an internal linguistic database to determine the correct word. The T9 mode requires far fewer keystrokes than the traditional multi-tap method, Alphabet 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 appears on the display.
- **Symbol:** This mode allows you to enter special characters.
- **Number:** This mode allows you to enter numbers.

Note: T9 mode supplies an appropriate language database as your language setting menu (**Menu 8-1**).

Changing the Text Input Mode

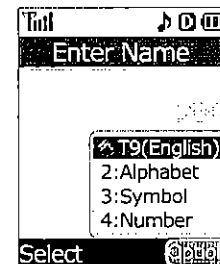
When you are in a field that allows characters entry, you should notice the text input mode indicator on the display.




Example: Entering a name for a phonebook entry



To change to another text input mode:

1. Press the **Menu** soft key.








2. Scroll to the mode by pressing  or .
3. To select the highlighted mode, press the **Select** soft key. If you want to exit the menu without changing to a new mode, press .


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




Using the T9 (English) Mode

To type a word, press keys corresponding to the letters you need. Remember the following as you are typing:

1. Press alphanumeric keys on the keypad just once per desired letter. For example, to enter "Hello," press , , ,  and .



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

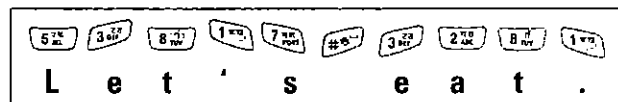
2. Type to the end of the word before editing or deleting any keystrokes.
3. Put a space between words by pressing .

If the word that appears on the display is not the word that you desire, press  one or more times to display alternative word choices for the keys you have typed. For example, both "of" and "me" have the sequence of  and . The phone displays the most commonly used choice first.

4. Continue entering the next word.

Smart Punctuation

Periods, hyphens, and apostrophes are available by pressing . The T9 mode applies rules of grammar to insert the correct punctuation. Notice that  is used twice in this example to display two punctuation marks:




Including a Number

You can include a number between letters without exiting the T9 input mode. Press and hold the desired number key.






Changing the Case

Your phone offers three cases:

- T9 Word: initial letter is capitalised
- T9 WORD: all letters are capitalised
- T9 word: all letters are lower case

Press  one or more times to display the appropriate case indicator and begin typing normally.

Another Usages



- Press  to insert a space.
- To move the cursor to the left or right through your text, press  or .
- Press  one or more times to delete the letters one by one to the left. Press and hold  to clear the display.

Using the Alphabet Mode

When typing in the Alphabet mode, you need to 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  three times to display the letter "C" and  two times to display the letter "K."

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 enter the next letter.

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


Key	Characters in the Order Displayed
	. , - ? ! ' @ : 1
	A B C 2
	D E F 3
	G H I 4
	J K L 5
	M N O 6
	P Q R S 7
	T U V 8
	W X Y Z 9
	0

(Caps Lock mode)






Changing the Case

Your phone offers three cases:

- Abc: initial letter is capitalised
- ABC: all letters are capitalised
- abc: all letters are lower case

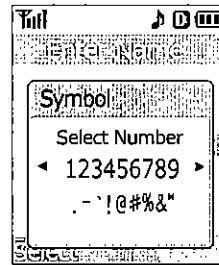
Press  one or more times to display the appropriate case indicator, and begin typing normally.



Another Usages

- Press  to insert a space.
- To move the cursor to the left or right through your text, press  or .
- Press  one or more times to delete the letters one by one to the left. Press and hold  to clear the display.

Using the Symbol Mode

The Symbol mode enables you to enter symbols.



You can display more symbols by pressing  or .

Press the number key corresponding to the symbol you want to enter. 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 to enter numbers.



Press the keys corresponding to the digits you want to enter and manually switch back to the text entry mode of choice. For details about changing the mode, see page 43.

Using the Menu



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

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

Accessing a Menu Function by Scrolling

1. In the standby mode, press the **Menu** soft key to access the menu mode.
2. Scroll with the navigation keys to reach the desired main menu; for example, **Display**. Press the **Select** soft key to enter the menu.
3. If the menu contains any submenus; for example, **Language**, find the one you want by scrolling with  or . Press the **Select** soft key to enter the submenu.

If the menu you have selected contains submenus, repeat this step.

4. Scroll with  or  to find the setting of your choice.
5. Press the **OK** soft key to confirm the chosen setting.

Notes:

- You can return to the previous menu level by pressing **CLR** or the **↶** soft key.
- You can exit the menu without changing the menu settings by pressing **END**.

Accessing a Menu Function by Using its Shortcut

Menu, submenus and setting options are numbered and can be quickly accessed by using their shortcut numbers.

Note: The numbers assigned to each menu function are indicated on the list on page 51.

1. In the standby mode, press the **Menu** soft key to access the menu mode.
2. Within three seconds, enter the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

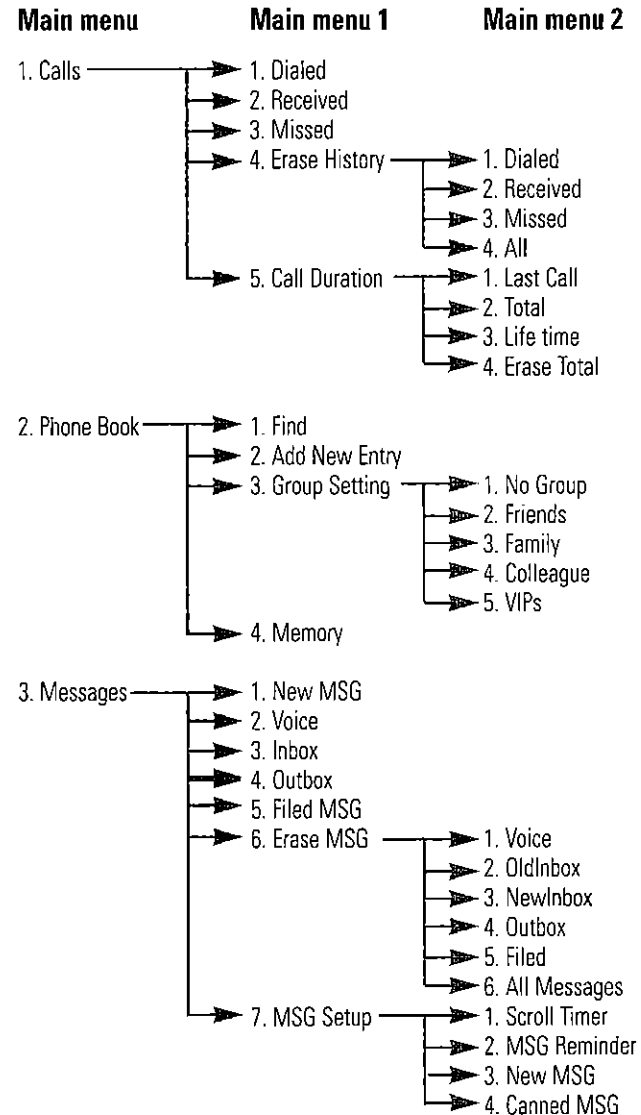
Example: Accessing the **Language** menu option

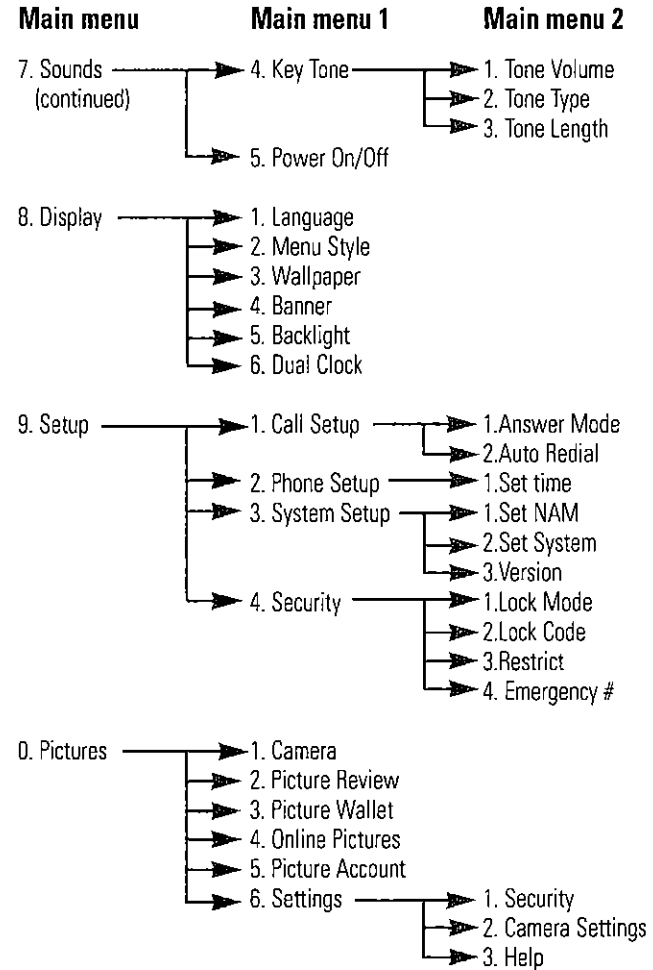
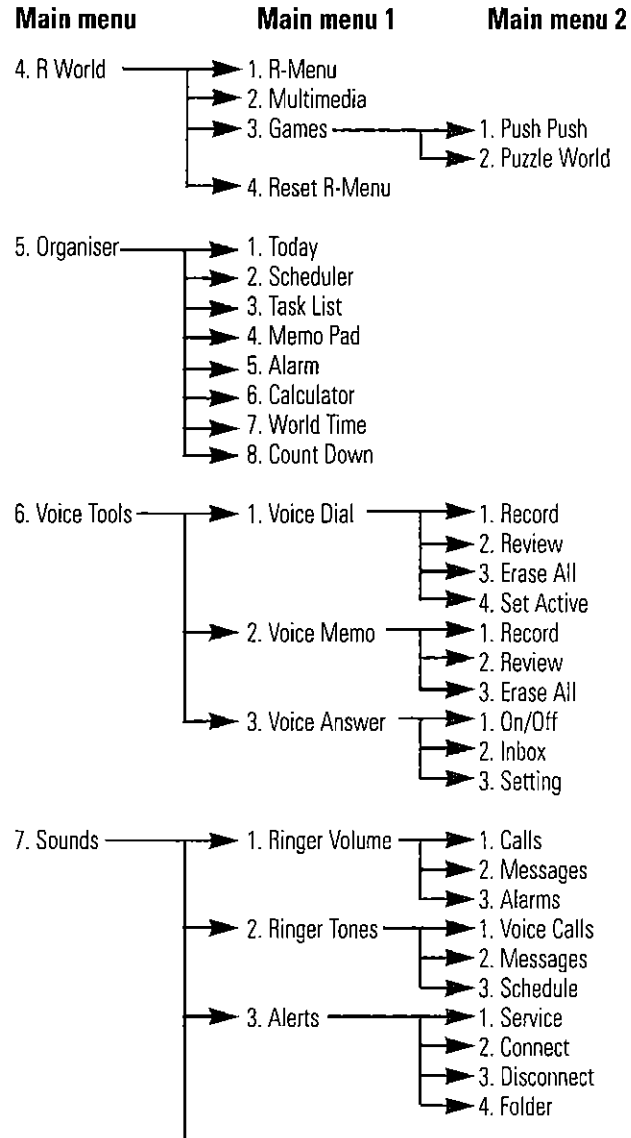
Press **8** and **1**.

8 selects **Display** and **1** selects **Language**.

3. Find the setting of your choice by pressing **↷** or **↵**.
4. Press the **OK** soft key to confirm the chosen setting.

List of Menu Functions






Calls

You can use the **Calls** 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.



Dialed

Menu 1-1

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.

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

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

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

Talk: dials the selected number.

Save: (shown when the number is not stored in your phonebook) allows you to save the number in the phonebook.

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

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

Received

Menu 1-2

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 Reliance 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 "Dialed" on page 54.

Missed

Menu 1-3

If Caller Line Identification service is available, your phone keeps a list of the last 10 incoming calls that you failed to answer. Contact Reliance for more information about the service.

For more information about scrolling through the list and accessing the call log, see "Dialed" on page 54.

Erase History

Menu 1-4

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

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

Call Duration

Menu 1-5

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 the time of the last call.

Total: shows the number of all calls made to or from your phone and the total duration of the calls since the time counter was last set to zero by using the **Erase Total** option.

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.

Erase Total: erases the "Total" time measurement and resets the air time counter.

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 having to remember or enter the phone number. You can store up to 250 entries including E-mail and URL addresses.






You can quickly enter this menu by pressing the **Pbook** soft key.



Find


Menu 2-1

This option allows you to find an entry in the phonebook.

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

1. Press  or  to scroll to the desired method.
 - **By Name:** Enter the first few letters of the name you want with the Alphabet input mode. The phonebook entries are listed starting with the first entry matching your input.
 - **By Entry:** Enter the location number of the number you want to find, using the numeric keys.
 - **By Group:** Press  and select the group containing the entry you want to find, using  or . The phone lists all of the entries in the selected group.

2. If necessary, press  or  to scroll through the entries.
3. When the entry you want highlights, press the **Select** soft key to access the entry. The phone shows the details about the name.

To	Press
place a call to the selected number	
use the options	the Menu soft key. For details about the options, see below.

When you press the **Menu** soft key in the details display, the following options are available:

Talk: places a call to the number.

Edit: allows you to change the phone number, name, location number, label category and many others.

Prepend: allows you to add digits, such as area codes, ahead of the selected number before dialling.

Erase: erases the selected entry.





Add New Entry

Menu 2-2

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

Creating a New Entry


1. Enter a phone number and press the **Save** soft key.
2. Press the **Select** soft key to confirm to add a new entry. If you are creating an entry for the first time, skip to Step 3.
3. Select an icon to identify the category of number to be stored using the navigation keys and press the **Select** soft key.
4. Enter a name. For further details about entering characters, see page 42.
5. Press the **Next** soft key. The displays shows the following options for the entry.
 - **Enter Name:** allows you to enter a name of up to 12 characters, if you didn't in Step 4. For further details about how to enter text, see page 42.
 - **Entry:** The first available location displays. If necessary, enter the location number using the number keys.
 - **Home/Work/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.
 - **E-mail:** 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.
 - **Birthday:** allows you to save the date of the person's birthday.
 - **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.
 - **Image:** allows you to select an image to be used for alerting you to an incoming call from the person.
6. 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.
 7. When you finish setting the options, press the **Save** soft key to store the entry.



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

Storing Phone Numbers at Call's End

To store a phone number at the end of your call:

1. Press  to end the call. The call time and the phone number display.
2. To store the phone number, press the **Save** soft key.
3. To complete storing the number, follow from Step 2 in "Creating a New Entry" on page 60.



Adding a Number into an Existing Entry

1. Enter a number and press the **Save** soft key.
2. Scroll to the entry where you want to add a number by pressing  or . Press the **Select** soft key.
3. To complete storing the number, follow from Step 3 in "Creating a New Entry" on page 60.

Group Setting

Menu 2-3


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

1. Scroll to the group you want to edit using  or .
2. Press the **Menu** soft key. The following options are available:
 - **Rename:** allows you to change the group name.
 - **Color LED:** allows you to select a color of the service light to indicate when a call comes in from any members of the group.
 - **Sounds:** allows you to select a ringer melody to indicate when a call comes in from any members of the group.
3. Select an option and press the **Select** soft key.
4. Enter a name or select the setting you want and press the **Next** or **Save** soft key.
5. Repeat Step 2 though 4, if necessary.

Memory

Menu 2-4

This option shows the memory status for the phonebook.

Press the  soft key to go back to the previous menu level.

Messages

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

When the phone receives a message, an alert sounds, a text notification displays 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.

New Messages

Menu 3-1

You can create short text messages of up to 156 characters and send it to other mobile phones.



Note: Message transmission is only supported when your phone is operating in digital networks and if service is provided by Reliance.





1. Enter a destination number using the numeric keys and press the **Next** soft key.

Pressing the **Menu** soft key allows you to search your phonebook for a number.

2. Enter the message contents. For further details about how to enter text, see page 42.

When you press the **Menu** soft key, the **Canned MSG** option is available to allow you to use the ten canned messages preset in the **MSG Setup** menu; for details, see page 71.


3. When you finish entering, press the **Next** soft key. The following options are displayed. To select an option, press  or  and press the **Edit** soft key.


- **Send To:** allows you to change the send-to phone number.
- **Message:** allows you to change the message contents you've already entered.
- **Options:** displays the following setting options. Scroll to an options using  or  and change the setting using  or .
 - Priority: Select the message priority.
 - Validity: Select how long your message is valid at the SMS centre while attempts are made to deliver them to the recipient.
 - Send Later: Select how long the delivery of the message will be delayed at the SMS centre, if you do not want to send it immediately.

- Delivery ACK: Turn the delivery acknowledgement feature on or off. When this is activated, the network informs you whether or not your message has been read by the recipient.
- Message Save: Set if the phone will save the message in the Outbox after transmission. When you select **Prompt Save**, the phone will ask if you want to save the message.

Note: The **Delivery ACK**, **Message Save** options can be preset in the **New MSG** menu option (**MENU 3-7-3**); for details, see page 72.



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

4. Repeat Step 3 to set the message options.
5. After changing the setting options, press  to send the message.

Note: Closing the folder or pressing  before the message is sent terminates the transmission.

Voice

Menu 3-2

When the voice mail list displays, press  or  to scroll to a voice message and press the **Select** soft key to review the message.

If multiple new voice messages are received but not reviewed, information of the last one will be displayed. The information display includes the time/date stamp, the number of new voice messages and the callback number.

While reviewing the message, press the **Menu** 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.





Clear Icon: 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.

Inbox

Menu 3-3

Your phone can store up to 99 messages total in Inbox, Outbox and Filed 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 **Menu** soft key to use the following options:

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

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

Delete: deletes the message from Inbox.

Talk: places a call to the callback number.





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

Outbox

Menu 3-4

Your phone can store up to 99 messages total in Inbox, Outbox and Filed Message box.

When you access the **Outbox** menu option, the message list appears. A red number means that it is an urgent message.

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 **Menu** soft key to use the following options:



Resend: allows you to resend the message. For more information about sending a message, see page 42.

Delete: deletes the message from Outbox.

Filed Messages

Menu 3-5

Your phone can store draft messages that are yet to be sent in the Filed Message box. If you save the message contents using the **File MSG** menu option before sending it (see page 66), 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 **Menu** soft key to use the following options:

Resend: allows you to resend the message. For more information about sending a message, see page 42.

Delete: deletes the message from the Filed Message box.

Erase Messages

Menu 3-6

Using this menu option, you can erase all of the messages in each message box; Voice mail box, Old Inbox, New Inbox, Outbox and Filed Message box. 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.



Message Setup

Menu 3-7


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

Scroll Timer *(Menu 3-7-1)*

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 .

Message Reminder *(Menu 3-7-2)*

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 does not sound, but the New Message icon () appears.

New Message *(Menu 3-7-3)*

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 activate or deactivate the delivery acknowledgement.

Canned Messages *(Menu 3-7-4)*

This menu option allows you to change the ten canned messages.

1. Scroll to a message in the list and press the **Edit** soft key.
2. Change the message as needed. For further details about entering characters, see page 42.
3. When you are finished, press the **Save** soft key.



R World

This **R World** menu allows you to:


- launch the web browser
- play the downloaded multimedia items
- enjoy the games

R-Menu

Menu 4-1

Your phone comes equipped with a web browser which makes it possible for you to access the wireless web.


The web browser allows you to access up-to-the-minute information through your phone. Browsing the wireless web through your phone is unlike using your computer; site providers have selected only the critical aspects of their sites to present to wireless phone users and they have removed most of the graphics.

Each time you start the web browser, the phone will connect to the wireless web and the Service icon () will appear on the display. Any time this icon is visible on the display, you are connected to the wireless web and will be billed accordingly. Rates will vary according to your service plan.



The web browser will end the connection after a certain period of network inactivity and will automatically reconnect as necessary. For this reason, you may find that you are billed for several network connections within a single session. This is normal and is designed to minimise your bill.

Launching the Web Browser


Note: The first time you use the web browser, you will go through a security setup process that takes 3 to 5 minutes. Please follow the on-screen prompts to complete the security setup process. This initial setup process occurs only the first time you access the service.

1. Accessing the **R-Menu** menu (**Menu 4-1**) connects your phone to the wireless web. You can also press  in the standby mode.
2. Once you are connected, the home page or the last page you visited displays.

The opening page contents may be different according to your wireless web service provider.

3. To scroll through the screen, use  or .

Exiting the Web Browser

To exit the web browser, simply press  at any time.

Navigating the Web Browser

When you use the web browser, some keys on your phone operate differently than when on a normal phone call. These keys are explained below. The web browser presents on-screen items in one of the following ways:

- text or numeric input
- links (embedded in content)
- numbered options (some options may not be numbered)
- simple text

Here's how the keys work in the Web Browser:



Navigation keys: Use these keys to scroll to and select browser options. The currently selected option is indicated by an arrow. You can also use them to move the cursor when editing text.



Left soft key: This is the left soft key used to execute the commands at the bottom left of the browser display. It is primarily used for selecting the highlighted item.



Right soft key: This is the right soft key used to execute the commands at the bottom right of the browser display. It is primarily used for secondary options or a menu of secondary options.



Cursor Keys: Use these keys to move the cursor when editing text.



END Key: This key ends the web browser connection and returns the phone to the standby mode.



Clear Key: This key performs two important functions:

- Sends you back in the browser. Pressing it once sends you back one page. Pressing and holding this key sends you back to the home page.
- Clears out the entered text or numbers. When entering characters, press this key to clear the last number, letter or symbol. Press and hold this key to completely clear the input field.



Numbered Keys 0 - 9: If the items on a page are numbered, you can use these keys to select them.



Volume Keys: These keys allows you to scroll up or down by a page or change the volume setting.

Using the Web Browser Menus

On the web browser, you can access the following options by pressing the **Menu** soft key:

Reload: reloads the current web page.

Home: takes you back at any time to the homepage of the wireless web service provider.

Bookmarks: allows you to load a bookmarked web page directly.

Mark Site: allows you to set a bookmark for most pages; they can be accessed directly from any web page. Bookmarks save you time by reducing the number of steps required to access a given page.

About Openwave: provides you with information about Openwave and your version of the web browser.

Advanced: gives you access the following advanced features:

- Show URL: displays the URL address of the site where you are currently connected. It also enables you to declare the current site as the startup homepage.
- Homepage: allows you to change the startup homepage manually.
- Set WAP Proxy: allows you to configure the proxy settings required for connecting to the wireless web.
- Offline Service: Most applications are stored on a server that cannot be accessed outside your wireless coverage area. However, some applications can be stored in the cache of your phone, enabling you to use them offline. You can remove the associated site from the cache at any time.
- Outbox: stores outgoing requests from the browser so that they can be processed at a later date.
- Restart Browser: restarts the browser without exiting it.
- Encryption: This option is automatically set by the service provider. You do not need to change it.

Entering Text in the Web Browser



When prompted, you can enter letters, numbers or symbols same way as in the phone mode. See page 42 for more information about how to enter characters.



Multimedia

Menu 4-2

In this menu option, you can use the multimedia files downloaded from R-World. You can download up to 3 items.



To play back a multimedia item:

1. When the list of the downloaded items displays, scroll to the item you want to play by pressing  or .
2. Press the **Play** soft key to start playing the file.
3. During a playback :

To	Press
pause	the PAUSE soft key.
resume the playback	the Play softkey.
adjust the volume	the volume keys.
repeat the playback	 . The REPEAT message appears.
cancel the repeating mode	 again.

4. To exit the screen, press the **Exit** soft key.





To remove a multimedia item from the phone's memory:

1. When the list of the downloaded items displays, scroll to the item you want to delete by pressing  or .
2. Select the **Erase** soft key.
3. When a confirming message displays, select **Yes** and press the **OK** soft key.

Games

MENU 4-3

This menu option allows you to play the two games; **Push Push** and **Puzzle World**.

1. Press  or  to scroll to a game and press the **Select** soft key.
2. When the game start screen displays, press the left soft key. You can get help for playing the game.
3. Press the left soft key.
4. To stop the game, press ,  or the right soft key.

Reset R-Menu

Menu 4-4

If the screen is not clear or it often freezes when you are navigating the web browser, you can use this feature to clear the problem.

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



Organiser

The Organiser 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

Today

Menu 5-1



You can schedule up to 9 events for the current day, indicating each event's start and end time. You can even have your phone's calendar alert you before an event commences. Events scheduled for future dates automatically appear on your Today events schedule on that 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 42.

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

You need to enter the time in 12-hour format. Press  for **A** (AM) or  for **P** (PM).

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 **On** or **Off**. 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 5-1**).

While viewing the schedule list:

- Press the **Menu** 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 **Left** or **Right** to scroll to an event and press the **View** soft key. While viewing the event, press the **Menu** soft key to use the following options:
 - Edit :** allows you to edit the event.
 - Erase :** allows you to erase the event.

Scheduler

Menu 5-2

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 boldfaced and days with scheduled events are indicated by a box inside the calendar day.

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

Scrolling Through the Calendar

- You can move up or down by one day by pressing **Up** or **Down**.
- You can move right or left by one week by pressing **Right** or **Left**.
- To display the next or previous month, press **Next** or **Previous**.

On the calendar, press the **Menu** soft key to use the following options:

- View:** allows you to view the scheduled events of the selected day.
- Add New:** allows you to add a new event on the selected day.

Creating a New Schedule

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

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.

Ringer Tones

Menu 7-2

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

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

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

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

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

Alerts

Menu 7-3

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:

Service : When this option is set to **On**, the phone sounds an alert when you exit or return to a service area.

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

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

Folder: When this option is set to **On**, the phone sounds an alert when you open or close the folder.

Key Tone

Menu 7-4

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 or the volume keys on the left side of the phone.

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

Tone Type: allows you to select the type of key tone.

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

Menu 7-5

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

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



Display

The Display feature enables you to:

- change the language and the display style of the menus.
- select an image to be displayed in the standby mode or create your own greeting .
- set the length of time for backlight.

Language

Menu 8-1

This menu option allows you to change the language of voice prompts, menus and key input.

You can choose a language between **English** and **Hindi**.

Note: This setting does not affect the web browser.

Menu Style

Menu 8-2

This options allows you to select the menu display style.

You can choose a style between **Camera** and **Nature**.

Wallpaper

Menu 8-3

You can change the background image (wall paper) to be displayed in the standby mode.



In addition to the animation images, you can choose **Digital Clock**, **Analog Clock** or **Dual Clock**.

When you select **Dual Clock**, the phone displays the analogue clocks for the two time zones selected in the **Dual Clock** menu option (**Menu 8-6**). See page 105.

Banner

Menu 8-4

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

1. If necessary, press  to delete each letter of the old greeting. Press and hold  to clear the display.
2. Enter your banner message of up to 15 characters. For further information about how to enter characters, see page 42.
3. When you finish entering the message, press the **Next** soft key to save the new banner.

Backlight

Menu 8-5

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

The following options are available:

Folder open: The backlight remains on when the folder is open.

30 seconds: The backlight switches on when you press a key or open the folder and switches off 30 seconds after that.







8 seconds: The backlight switches on when you press a key or open the folder and switches off 30 seconds after that.

Dual Clock





Menu 8-6

You can choose two time zones to be displayed when you select **Dual Clock** for the wall paper image; for details, see page 104.

To select time zones for the dual clock:

1. When **Location** is highlighted, press .
2. Select the time zone for the first clock by pressing  or  and press .
3. Select the time zone for the second clock by pressing  or .
4. Press the **Save** soft key to confirm the selection.

To apply the daylight saving time:

1. When **Location** is highlighted, press  or  to display **DST**. Press .
2. Select **Yes** to use the daylight saving time for the first clock. Otherwise, select **No**.
3. Press  and repeat Step 2 for the second clock.
4. Press the **Save** soft key to confirm the selection.



Setup

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

Call Setup


Menu 9-1

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


Answer Mode *(Menu 9-1-1)*

This menu option allows you to select how to answer.

The following options are available:

Any Key: the phone answers when you press any key except for .

Folder Open: the phone answers when you open the folder.

SEND Key: the phone answers only when you press .

Auto Redial *(Menu 9-1-2)*

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 will automatically retry the call; **60 Seconds**, **30 Seconds** and **10 Seconds** are available.

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

Phone Setup



MENU 9-2

In this menu option, you can set the current date and time.

Set Time *(Menu 9-2-1)*

To display the correct date and time on the idle screen or to use the Organiser features, such as Today, 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 minute, hour, month and day each must be entered using 2 digits and the year requires all 4 digits. You need to enter the hour in 12-hour format. Press  for **A** (AM) or  for **P** (PM).

System Setup

MENU 9-2

This menu option contains the suboptions for your network or phone's system.

Set NAM *(Menu 9-3-1)*


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.

If you change the NAM, the phone turns off by itself and back on and acquires service using the new NAM setting.

Set System *(Menu 9-3-2)*

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

The following methods are available:

Home Only: You cannot roam. When your home system is not available, your call is not be connected and the No Service icon () displays. In some service areas, an operator may come on line asking you how you would like to pay for the call.

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

Version *(Menu 9-3-3)*

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 9-4

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

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

Lock Phone *(Menu 9-4-1)*


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 #** menu (**Menu 9-4-4**).

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

Lock Code *(Menu 9-4-2)*

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 and then press the **Save** soft key.

Restrict *(Menu 9-4-3)*

This feature allows you to restrict the following types of calls independently or all together:

Long Distance: restricts long distance calls.

International: restricts overseas calls.

Outgoing: restrict all of the outgoing calls.

Select **On** to restrict the calls, or **Off** to deactivate the restriction.

Emergency Number *(Menu 9-4-4)*

Your phone provides you with the option for storing three emergency numbers. 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 24 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 .

Pictures


Using the camera module built in your phone, you can take pictures of people or events while on the move. You can send a picture to other people using an e-mail or SMS message and set a picture as a wall paper image or caller image. You can also upload the pictures to your wireless web page, if you are subscribed to the associated service.

Camera

Menu 0-1

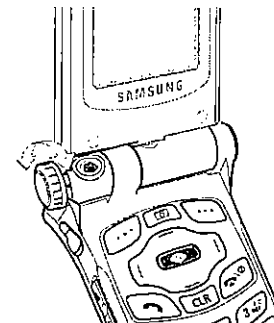
In this menu, you can take a picture. The camera produces JPEG pictures.

Taking a Picture with the Folder Open


1. Accessing the **Camera** menu turns on the camera at the top left of the phone. Or, press and hold  in the standby mode.

The image to be captured appears on the display.

2. Adjust the image by rotating the camera module and aiming it at the subject.




3. To	Press
flip the image vertically	one of the volume keys.
zoom in the image	⏪ or ⏩.
change the image resolution	⏮ or ⏭.
use the options	the Options soft key. See below.
preview the picture to be stored	the Review soft key.
return to the capture mode from the preview screen	the Camera soft key.

- Press and hold  to take the picture.
- Press the **Save** soft key to save the picture.

If you want to use the options before saving, press the **Options** soft key.


- **Discard:** discards the picture.
- **Share:** allows you to send the picture to other people by attaching it to an e-mail or message. For details, see page 119.
- **Upload this:** allows you to upload the picture to the wireless web page assigned to you.

- When you are finished, press  to return to the standby mode.



Using the Camera options

When you press the **Options** soft key in the capture mode, the following options are available for the current shot:



Flash

You can use the flash which allows you to take a picture of the best quality when it is dark. Select **On this Shot** to use the flash only for the current shot and **Always On** to use it for all of the pictures you take. When the flash turns on, the flash icon () appears on the top right of the image



Self timer

You can set the phone to take a picture at a predefined time. Once you set the time, the timer () appears on the top right of the image. When you press and hold , it counts down and turns red before 3 seconds. The phone automatically takes and saves a picture when the specified time expires.



Brightness

You can adjust the brightness of the image. Use  or  to find the desired status. When the brightness is selected **Auto**, the phone automatically determines the setting.



Multi-Shot

You can take action stills. Set the the number of picture you want to take, and the Multi-shot icon () appears on the top left of the image. Once you press and hold , the phone automatically takes and saves pictures successively as many times as you set.



Fun Frames

This option allows you to use a frame on the picture. Press ( or ) to find the frame format you want to use.


Color Tones

This options allows you to change the color tone of the picture. Press ( or ) to find the tone you want to use. **Sepia**, **Monochrome**, and **Negative** are available.

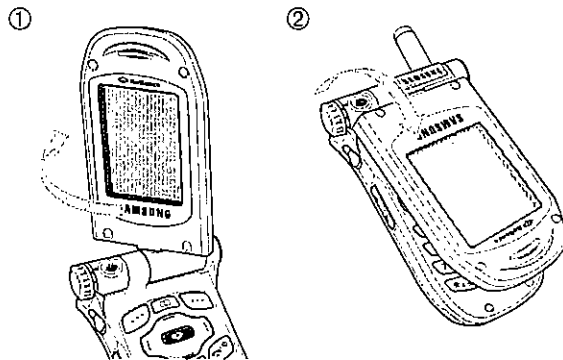
White Balance


This setting adjusts the color balance of the picture to remove the current lighting conditions add. With this setting, you can make your picture appear warm or cool. Press ( or ) to find the setting you want to use.

Taking a Picture with the Folder Reversed

Your phone's folder can be rotated and reversed. When the folder is reversed, you can take a picture using  on the right side of the phone.

1. To reverse the folder, rotate and close it, as shown.



2. To turn the camera on, press and hold .

The image to be captured appears on the display.



3. Adjust the image by rotating the camera module and aiming it to the subject.

To use the options to adjust the image, see below.


4. Press and hold  to take the picture.


Using the Camera options


In the capture mode with the folder reversed, the option icons appear on the bottom of the display.


To	Press
select an option	 . For details about the options, see below.
change the setting of the selected option.	 .

Available options

: (Inversion) flips the picture vertically.

: (ZoomX1) zooms in the image to enlarge the picture size by two (X2) or four (X4) times.

: (Flash On) turns the flash on or off.

: (Brightness) adjusts the brightness of the image.



: (Resolution) changes the image resolution.



: (Review) allows you to review the pictures stored in the phone's memory. You can scroll through the pictures using .

Picture Review

Menu 0-2

In this menu option, you can review the pictures you have taken. By default, your phone displays them in the expand mode, which shows a picture on the full screen.

To	Press the
scroll through the pictures	navigation keys.
use the options	Options soft key. For details, see below.
switch to the capture mode	Camera soft key. For details about taking a picture, see page 113.

Using the Picture Options

When you press the **Options** soft key while reviewing a picture, the following options are available:

Thumbnail/Expand

You can switch the display to the thumbnail mode or the expand mode.

Share

This option allows you to send the selected picture to other people using an e-mail or SMS message.

To send a picture as a message or e-mail:

1. When the picture you want to send displays, press the **Options** soft key and choose the **Share** option.
2. Enter a recipient's phone number and press the **OK** soft key.

You can use the following options by pressing the **Options** soft key:

- **Find**: allows you to search for a number from your phonebook.
- **Enter e-mail**: allows you to enter an e-mail address so that you can send the picture as an e-mail.
- **Erase**: removes the phone number or address entered.

3. Press to add another recipient's number or address.
4. Repeat steps 2 and 3, if necessary.
5. When you are finished, click the **OK** soft key.
6. Enter the message contents and press the **OK** soft key.

For further details about entering characters, see page 42.

You can insert canned text into your message by pressing the **Menu** soft key and selecting **Canned Messages**.

7. When the message preview appears, press the **OK** soft key to send the message.

Save to Wallet

This option copies the picture to the **Picture Wallet** menu option (**Menu 0-3**). See the next page.

Edit

This option allows you to change the picture's title, add a caption on the bottom of the picture, and lock the picture to keep from being accessed by unauthorised people.

Erase

You can erase the selected picture or all of the pictures.

Upload

This option allows you to upload the selected picture or all of the pictures to the wireless web pages assigned to you. This feature is available when you are subscribed to the associated service.

Picture Info

This option shows you information about the current picture, such as title, time and date when it was taken, image size and quality.

Picture Wallet

Menu 0-3

Picture Wallet allows you to store the pictures independently, like your photo album.

To	Press the
scroll through the pictures	navigation keys.
use the options	Options soft key. For details, see below.
view the selected picture in a large size on the full screen	Expand soft key.
view the pictures in the thumbnail mode	Thumbnail soft key.

When you press the **Options** soft key while reviewing a picture, the following options are available:

Wall Paper: copies the picture into the wall paper image folder. You can use it in the **Wallpaper** menu option (**Menu 8-3**).

Phonebook: allows you to set the picture as a caller image for a Phonebook entry.

Incoming Call: allows you to set the picture as a caller image for incoming calls with the caller ID.

Erase: allows you to erase the selected picture or all of the pictures from Picture Wallet.

Online Pictures

Menu 0-4

Using this menu option, you can manage the pictures uploaded to the wireless web page assigned to you from the server when you are subscribed to the associated service.

Accessing the **Online Pictures** menu option connects your phone to the wireless web. Once you are connected, the phone displays the pictures stored in Inbox, the default photo album, in the thumbnail mode.

To	Press the
scroll through the pictures	navigation keys.
use the options	Options soft key. For details, see below.
view the selected picture in a large size on the full screen	Expand soft key.
view the pictures in the thumbnail mode	Thumbnail soft key.

Using the Picture Options

When you press the **Options** soft key while reviewing a picture, the following options are available:

Share

This option allows you to send the selected picture to other people using an e-mail or SMS message. For further details, see page 119.

Save to Wallet

You can copy the picture to the **Picture Wallet** menu option (**Menu 0-3**).

Erase

You can erase the selected picture or all of the pictures from your web page.

Edit

This option allows you to change the picture's title, add a caption on the bottom of the picture, and lock the picture to keep from being accessed by unauthorised people. You can also copy or move the picture to other albums.

Album List

This option shows you the albums in your web page. **A** displays the default album and **B** for albums you created. A number in the parenthesis on the right of the title is the number of pictures stored in the album.

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

Share Album: allows you to send the pictures in the selected album as an e-mail.

Create Album: allows you to add a new album.

Erase Album: erases the selected album and its pictures.

Rename Album: allows you to change the album title.

Album Info: shows information about the selected album.

Picture Account

Menu 0-5

Using this menu option, you can change information about your web page account.

Accessing the **Online Pictures** menu option connects your phone to the wireless web. Once you are connected to the web, the setting options displays.

Setting

Menu 0-6

This menu option allows you to set up the options for using the camera and pictures.

Security *(Menu 0-6-1)*

You can lock the pictures so that a person without your approval cannot review them.

When prompted, enter your phone's password. Select **On** and press the **Select** soft key. Once you have locked the pictures, you need to enter the password each time you access the **Picture Review** and **Online Pictures** menus.

To deactivate this feature, select **Off**.

Camera Settings *(Menu 0-6-2)*

You can change the default settings of the camera options.

The following options are available:



Flash: allows you to specify whether or not you want to use the flash.

Resolution: allows you to set the image resolution to one of **Hi**, **Med**, and **Low**.

Fun Frames: allows you to select a frame type.

Color Tones: allows you to set the color tone to one of **Sepia**, **Monochrome** and **Negative**.

White Balance: allows you to set the white balance to adjust the color balance of pictures to remove the current lighting conditions add. With this setting, you can make your picture appear warm or cool. When you set this option to **Auto**, the phone automatically determines the white balance depending on lighting conditions.

Shutter Sound: allows you to select a sound when you press the shutter,  or .

Quality: allows you to select the image quality from **Fine**, **Normal**, and **Economy**.

Help *(Menu 0-6-3)*

This options shows you information about using the Camera application.

Health and Safety Information

Precautions When Using Batteries

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

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time, 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, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an extra layer of convenience and safety to your wireless phone with one of the many hands-free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

5. Do not take notes or look up phone numbers while driving. Jotting down a To do list or flipping through your phonebook takes your attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make the people with whom you are talking aware that you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial the emergency number in the case of fire, traffic accident or medical emergencies.
9. Use your wireless phone to help others in emergencies. If you see a car accident, crime in progress or other serious emergency where lives are in danger, call the emergency number, as you would want others to do for you.

10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or any other special non-emergency wireless number.

Operating Environment

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

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a 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 the  key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and Reliance.

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.

Health and Safety Information

- 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.

FCC Compliance Information

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.



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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5,101,501 5,103,459 5,107,225
5,109,390