

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



**PORTABLE CELLULAR
TELEPHONE
SCH-X619**

User's Manual



ELECTRONICS

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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 standards 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 antenna or one that is approved. Unauthorized antennas, modifications, or attachments could impair call quality, damage the phone, or result in a 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 a replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 1.5 cm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain at least a 0.59 inch (1.5 cm.) separation distance, between the user's body and the back of the phone, including the antenna, whether extended or retracted. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

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

Table of Contents

Important Safety Precautions	7
Unpacking	9
Your Phone	
Phone's Parts	10
Display	13
Backlight	15
Service LED	16
Camera	16
Getting Started	
Using a UIM Card	17
Using a Battery	18
Switching the Phone On or Off	24
Using the PIN Code	25
Using the Soft Keys	26
Your Phone's Modes	27
Call Functions	
Making a Call	30
Ending a Call	31
Emergency Dialling	31
Using the Recent Call Logs	32
Making a Call from Phonebook	32
Prepend Dialling	33
Speed-dialling	34
Pause Dialling	36
Voice Dialling	38
Adjusting the Volume During a Call	39
Answering a Call	40
Silencing a Call Ringer	41
Rejecting a Call	41
Viewing Missed Calls	42
Options During a Call	42

Call Functions (continued)

Call Forwarding	43
Call Waiting	44
Three-way Calling.....	45

Entering Text

Changing the Text Input Mode	47
Using T9 Word Mode	48
Using ABC Mode	50
Using 123 Mode	53
Using Symbol Modes.....	53
Using Chinese Pinyin Mode	54
Using Chinese Stroke Mode	59

Using the Menus

Accessing a Menu Function by Scrolling	63
Using Shortcuts	64
List of Menu Functions	65

Calls

Missed (Menu 1-1)	71
Incoming (Menu 1-2)	72
Outgoing (Menu 1-3)	73
Erase Logs (Menu 1-4)	73
Air Time (Menu 1-5).....	74
Call Forward (Menu 1-6).....	75
Call Waiting (Menu 1-7)	76

Phonebook

Find (Menu 2-1)	77
Add (Menu 2-2)	81
Group Set (Menu 2-3)	87
My Phone # (Menu 2-4)	87

Msg/U-Mail

Message (Menu 3-1).....	88
U-Mail (Menu 3-2).....	95

Scheduler

View Month (Menu 4-1)	97
Jump To Date (Menu 4-2)	100
Alarm Set (Menu 4-3)	100
Calculator (Menu 4-4)	101
Today (Menu 4-5)	102
To Do List (Menu 4-6)	103
Memo Pad (Menu 4-7)	104
Countdown (Menu 4-8)	105
World Time (Menu 4-9)	106

Entertainment

Music Box (Menu 5-1)	107
Image Box (Menu 5-2)	108
Games (Menu 5-3)	109
Fun Box (Menu 5-4)	111
MP3 Player (Menu 5-5)	113
Memory Status (Menu 5-6)	116

Voice Dial

Configure (Menu 6-1)	117
Edit Name (Menu 6-2)	119

Settings

Sounds (Menu 7-1)	120
Display (Menu 7-2)	124
Auto Retry (Menu 7-3)	128
Auto Answer (Menu 7-4)	128
Answer Mode (Menu 7-5)	129
Roam Option (Menu 7-6)	130
Security (Menu 7-7)	131
Entry Method (Menu 7-8)	136
Data Option (Menu 7-9)	137

U-Max	
U-Info (Menu 8-1)	138
U-Mail (Menu 8-2)	144
U-Magic (Menu 8-3)	144
UNI-INFO (Menu 8-4)	144
Camera	
Taking a Photo	145
Take Photo (Menu 9-1)	149
Record Video (Menu 9-2)	149
Photo Album (Menu 9-3)	152
Video Album (Menu 9-4)	153
Settings (Menu 9-5)	155
Memory Status (Menu 9-6)	155
Health and Safety Information	
Battery Safety	156
Road Safety	159
Operating Environment	161
Electronic Devices	162
Potentially Explosive Environments	164
Emergency Calls	165
Other Important Safety Information	166
Care and Maintenance	167
Glossary	169
Quick Reference Card	173

Important Safety Precautions

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

Road Safety at All Times

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

Switching Off When Refuelling

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

Switching Off in an Aircraft

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

Switching Off in Hospitals

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

Interference

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

Special Regulations


Meet any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

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.

Emergency Call

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

Water Resistance

Your phone is not water-resistance. Keep it dry.

Accessories and Batteries

Use only Samsung-approved accessories and batteries. Use of any unauthorised accessories could damage your phone and may be dangerous.

Qualified Service

Only qualified service personnel may install or repair your phone.

For more detailed safety information, see "Health and Safety Information" on page 156.

Unpacking

Your package contains the following items:



Phone



Travel Adapter



Batteries



Battery Charger



Ear-microphone



Finger Strap



User's Manual

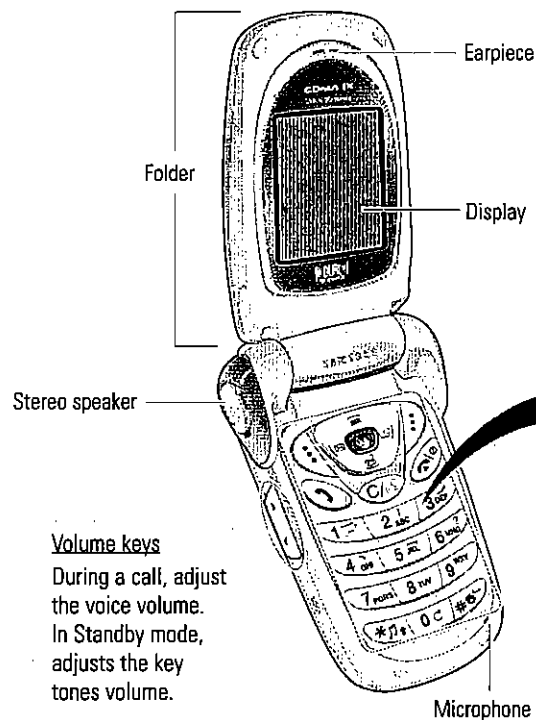
Your Phone

Your Phone

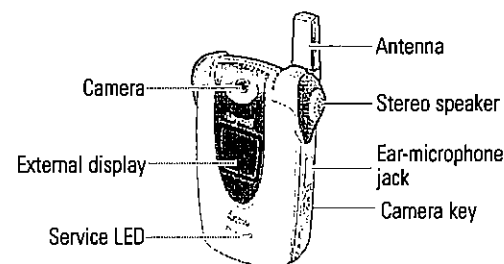
Phone's Parts

The following illustrations show the main elements of your phone:

With the phone open



With the phone closed



Key(s)

Functions



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



In Menu mode, scrolls through the menus. In Standby mode, enters the following menus respectively:

- Up: **MP3 Player**. This key accesses the MP3 File list when pressed and held.
- Down: **Games**
- Left: **U-Mail**. This key enters **Message** when pressed and held.
- Right: **View Month**



Enters the **U-Max** menu.



Makes or answers a call. In Standby mode, retrieves the last numbers you dialed or received.

Key(s) **Functions** *(continued)*

Ends a call. Also switches the phone on and off when pressed and held.
In Menu mode, cancels your input and returns to Standby mode.



Deletes characters from the display.
In Standby mode, enters the **Voice Dial** menu. This key allows you to dial a number by your voice command when pressed and held.
In Menu mode, returns to the previous menu level.



Enters numbers, letters and some special characters.



In Standby mode, allows you to change the call ringer when pressed and held.
In the text entry mode, changes the case of letters.



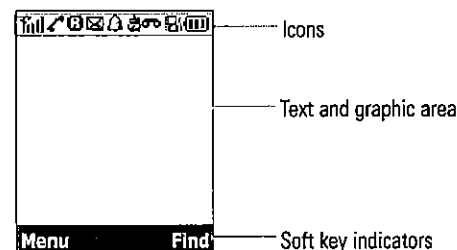
In Standby mode, quickly enters or exits Silent mode when pressed and held.
In the text entry mode, inserts a space.



(on the right side of the phone)
In Standby mode, enters the **Camera** menu. This key allows you to take a photo using the external display when the folder is closed.
In MP3 Player mode, plays a file.

Display

The display has three areas:

**Icons**

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



Service: Appears when a call is in progress.



No Service: Appears when you are outside a service area. When it displays, you cannot make or receive calls. Wait a little while for a better signal or move into an open area to regain service.



New SMS Message: Indicates that there is an SMS new message waiting to be checked.

Icons *(continued)*

New Email: Indicates that there is a new e-mail waiting to be checked.



New Email & SMS Message: Indicates that there are new SMS messages and e-mails waiting to be checked.



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



Lock Mode: Appears when your phone is locked.



Restriction: Appears when you restrict the use of your phone.



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



Vibration Mode: Appears when the ringer volume for calls is set to **Vibrate** or when your phone is in Silent mode.



Ringer Off: Appears when the ring volume for calls is set to **Silent**.

Icons *(continued)*

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

External Display

Your phone has an external display on the folder. When the folder is closed, it indicates that you have an incoming call or message. It also alerts you when you have set an alarm at the specified time by displaying the corresponding icon.

When you close the folder, the external display turns on and then off after the length of time specified at the factory.

To turn the display on, press and hold one of the Volume keys on the left side of the phone.

Backlight

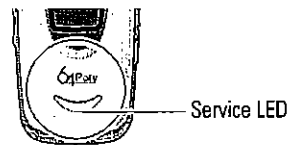
The backlight illuminates the display and keypad. When you press any key or open the folder, the backlight illuminates. It turns off if no key is pressed within a given period of time, depending on the **Backlight** option set in the **Display** menu.

To specify the length of time the phone waits before the backlight turns off, set the **Backlight** menu (**Menu 7-2-2**). See page 125 for further details.

Service LED

The service light on the folder flashes to indicate an incoming call, message or alarm and blinks for a few seconds when you turn the phone on or off. It also flashes while the battery is charging with the travel adapter.

To activate or deactivate the service light, use the **Service LED** menu (**Menu 7-2-7**). See page 127.



Camera

The camera module on the folder allows you to take a photo or record a video while on the move.

For further details about the Camera feature, see page 145.

Getting Started

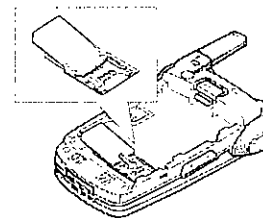
Using a UIM Card

The UIM (User Identification Module) card contains a chip with all the information required to operate your phone. Note the following:

- Keep all miniature UIM cards out of the reach of small children.
- The UIM card and its contacts can easily be damaged by scratching or bending, so be careful when handling, inserting or removing the card.

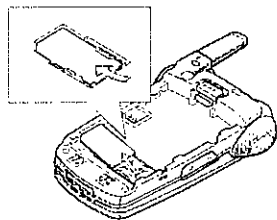
Installing the UIM card

1. If necessary, remove the battery. Refer to page 19.
2. Slide the UIM card into the slot, as shown, ensuring that the metal contacts of the card face into the phone.



Removing the UIM Card

Slide the UIM card out of the slot.



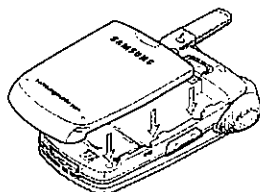
Using a Battery

Your phone is powered by a rechargeable Li-ion battery. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery is fully recharged in approximately 200 minutes for a standard battery.

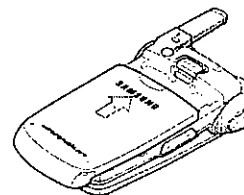
Installing the Battery

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




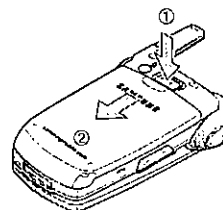
2. Slide the battery towards the top of the phone until it snaps into place.

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



Removing the Battery

1. If necessary, switch the phone off by pressing and holding the  key until the closing image displays.
2. To remove the battery:
 - ① Press the catch above the battery and hold it in that position.
 - ② Slide the battery and lift it away, as shown.



Charging the Battery

A travel adapter and a battery charger are provided for charging your batteries.

Using the Travel Adapter

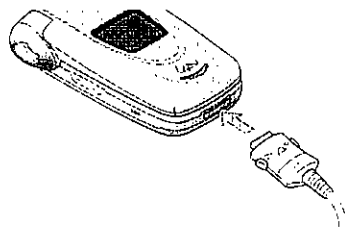
The travel adapter allows you to use the phone while the battery is charging, but this causes the battery to charge more slowly.

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

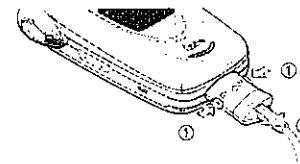
Make sure that the arrow on the connector is facing toward the front of the phone.

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

The Battery Strength icon on the display repeatedly blinks to indicate that the phone is now charging the battery.



3. When charging is finished and the service light turns to green, unplug the adapter from the power outlet and disconnect it from the phone by pressing the buttons on both sides of the connector (see ①) and pulling the connector out (see ②).

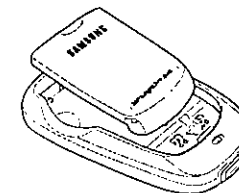


Note: You must unplug the adapter before removing the battery from the phone during charging; otherwise, the phone could be damaged.

Using the Battery Charger

Using the battery charger, you can charge the battery alone.

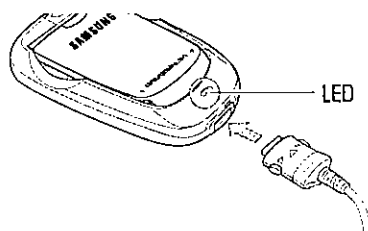
1. Insert the battery only into the slot of the battery charger ensuring that the terminals on the battery are in contact with those on the charger. Press the battery down until it clicks into place.



Getting Started

2. Plug the connector of the travel adapter into the jack at the bottom of the charger.

The small light, LED, on the charger turns on.

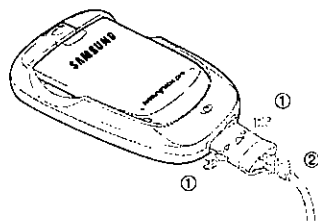


3. Plug the adapter into a standard AC wall outlet.

You can see the LED on the charger indicating the charging progress by the following colours:

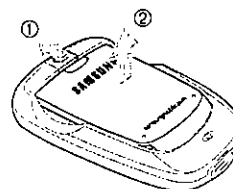
- Red: the battery is being charged.
- Green: the battery is completely charged.
- Yellow: the battery is not correctly plugged in or is operating at a too high or too low temperature.

4. When charging is finished, unplug the adapter from both the power outlet and from the charger.




Getting Started

5. Remove the battery from the battery charger.




Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery sensor lets you know by blinking the empty Battery Strength icon (). You will hear a warning tone and a message at regular intervals on the display.


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

Switching the Phone On or Off


1. Open the folder.
2. Press and hold the  key for more than one second to turn the phone on.
3. If the phone asks for a Personal Identification Number (PIN), enter the PIN code supplied with the UIM card. For further details about the code, see page 25.

The service light flashes and an alert sounds. When the system locates services, you can see the idle screens on both displays.



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

Note: You can change the display language in the **Language** menu (**Menu 7-2-3**). See page 125.

4. When you wish to turn the phone off, press and hold the  key for more than two seconds.

WARNING!

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



Note: Do not touch the antenna on the phone 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 PIN Code

The PIN code supplied with the UIM card helps you protect the UIM card against unauthorised use. When the phone asks you to enter the code, enter the appropriate code, displayed as asterisks for security. If you enter an incorrect PIN code three times in succession, your UIM card is blocked. To unblock the card, contact your service provider.

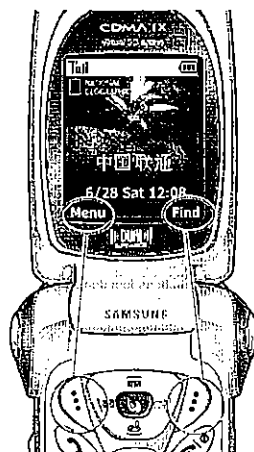
You can enable or disable the code using the **Card Setup** menu (**Menu 7-7-8**). For further information, see page 135.

Using the Soft Keys

Your phone offers a set of functions that allows you to customise it. 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 function you are currently using; the labels on the bottom line of the display just above each key indicates its current role.

Example:







Press the left soft key
to access Menu mode.

Press the right soft key
to find a number stored
in Phonebook.

Your Phone's Modes

Standby Mode

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

Press the  key at any time to return to Standby mode. Be careful; if you are on a call when you press the  key, your phone disconnects the call and returns to Standby mode.

Talk Mode

You can place and answer calls only when your phone is turned on. During a call, the phone is in Talk mode. While you are in Talk mode, pressing the **Menu** soft key gives you a list of options. See page 42 for details.

Power Save Mode

Your phone comes with a Power Save feature that automatically turns the display off when you don't use the phone. While this feature is active, the phone's battery charge is conserved.

The display switches off if no key is pressed within one minute after you press the last key or open the folder. You can press any key to activate the display.

Lock Mode

When you lock your phone using the **Lock Mode** menu (**Menu 7-7-1**), you cannot use the phone. In Lock mode, you can receive messages and calls, but you cannot place a call until you unlock the phone.


To unlock the phone, press one of the soft keys or the Navigation keys, and then enter the lock code.

For further details about locking and unlocking the phone, see page 131.

Silent Mode

Silent mode disables all sounds on the phone, except for the camera shutter sound. This feature is best used in situations where the phone might disturb others, such as in a meeting, at a library or in a theatre. Your phone can be set to Silent mode with a press of a key in Standby mode.

To enter Silent mode, press and hold the **#** key until

"Entering Silent Mode" and the Vibration icon () appear.

To exit and reactive the previous sound settings, press and hold the **#** key until "Exit Silent Mode" appears. The Vibration icon no longer displays.

Note: When you turn the phone off, Silent mode is automatically deactivated.



Call Functions

Making a Call

To make a call:

- 1. In Standby mode, enter the area code and phone number.

While entering a phone number, press the **Pause** soft key to insert a hard pause. For more information about pause dialling, see page 36.
- 2. Press the **↵** key. The phone places the call to the entered phone number.

Note: When you have set the **Auto Retry** menu (Menu 7-3) to **On**, the phone automatically retries to make the call if no one answers or if the line is busy. See page 128 for further details.

Correcting the Number

To clear	Press the
the last digit displayed	C/⌂ key.
the whole display	C/⌂ key and hold it for more than one second.

Ending a Call

When you want to end your call, press the **⏏** key.

The call time, or the length of the call, displays along with the phone number of the called person. If the number is stored in your Phonebook, the name displays. If there is no match, you can press the **Save** soft key and store the number in Phonebook. For further details about storing the number in Phonebook, see page 81.

Or, simply close the folder to end a call.

Emergency Dialling







You can place calls to standard emergency numbers, such as 119, 110, 120 and three specified numbers on the Emergency # list, even if your phone is locked or all outgoing calls are restricted. For further details about emergency numbers, see page 132.

You can place an SOS call to a preset emergency number when turning on the phone without a UIM card.

Using the Recent Call Logs

The phone stores up to 60 of the calls you dialled, received or missed chronologically. The last call is saved in the first position.

To recall any of these numbers:

1. If there are characters on the display, return to Standby mode by pressing the  key.
2. Press the  key. The list of recent calls displays.
 - : Outgoing calls
 - : Incoming calls
 - : Missed calls
3. Press the Up or Down key, or the Volume keys on the left side of the phone to scan through the list until you find the number you want.
4. Press the  key to dial the highlighted number.


Making a Call from Phonebook

You can store the phone numbers you call regularly in the UIM card and phone's memory, which is called "Phonebook." You then simply retrieve the number to dial. For further details about Phonebook, see page 77.

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 before dialling it.

To prepend the phone numbers stored in the call logs:

1. Access a call log in the Recent Calls list referring to page 32, or in the **Calls** menu (**Menu 1**) referring to page 71.
2. When the phone number you want to dial displays, press the **Menu** soft key to access the Menu pop-up list.
3. Press the **3** key to select the **Prepend** option.
4. Enter the area code or feature code.
5. Press the  key to dial the number.

Speed-dialling

Once you have stored phone numbers in Phonebook, you can dial them easily with a few presses of the keys.

From the UIM Card Memory

You can dial the phone numbers stored in the UIM card memory. The capacity of the card memory may vary depending on the card.

Enter the memory location of the number and press and hold the final digit to dial.

One-Touch Dial: Memory locations 001 through 009 are special one-touch locations. You can dial the phone numbers stored in the 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 the **9** key and hold.

The number (and name) stored displays, and then dials.

Two-Touch Dial: For memory locations of two digits.

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

For example: Location no. 023
Press the **2** key briefly and hold the **3** key.

The number (and name) stored displays, and then dials.

Three-Touch Dial: For memory locations of three digits.

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

For example: Location no. 123
Press the **1** key and the **2** key briefly, and then hold the **3** key.

The number (and name) stored displays, and then dials.

From the Phone's Memory

Press the digits of the phone memory location containing the number to be dialled, then press and hold the **#** key.

For example: Location no. 029
Press the **2** key and the **9** key briefly, and then hold the **#** key.

The number (and name) stored displays, and then dials.

Pause Dialling

When you call an automated system, like a banking service, 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 pauses.

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 **Pause** soft key to insert a pause. A "P" displays, meaning that a hard pause will occur at that point in the dialling sequence.

The "P" stops the dialling and waits for the teleservice to prompt you for a number. The number following the "P" is your account number, PIN, etc.



3. Enter the digits that need to follow the pause, such as your account number.
4. Repeat steps 2 and 3 to add more pauses and numbers, if necessary.
5. Store the number in your Phonebook as you normally would by pressing the **Save** soft key and following from step 4 on page 82.

Pause Dialling from a Stored Phonebook Entry

1. Dial the number from Phonebook.
2. Wait for the appropriate prompt from the number you are calling.
3. When prompted, press the  key to send the DTMF (Dual Tone Multi Frequency) number that follows your pause.
"SEND DTMF" flashes on the display and the transmitted tone sounds.

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 **Pause** soft key to insert a pause.
The screen displays a "P" indicating a pause.
3. Enter the number to be sent after the pause by pressing the digit keys.
4. Repeat steps 2 and 3 to add more pauses and numbers, if necessary.
5. Press the  key.
6. After connecting, wait for the prompt from teleservice. Press the  key again after the prompt to send the additional number(s).

Voice Dialling

Using the Voice Dialling feature, you can dial a number stored in your Phonebook by speaking the associated name or the number into the microphone. For storing a number, see page 81.

Note: Your phone can recognise only Chinese names.

To programme the phone to recognise your voice, you need to configure the voice dialling settings in the **Voice Dial** menu (**Menu 6**). See page 117.

To initiate voice dialling:

1. Open the folder or press the **C/☎** key, depending on your setting in the **Set Active** menu (**Menu 6-1**).

2. At a voice prompt, say a name into the microphone.

The phone recognises your command and displays the result of searching.

3. When you set the phone to display one best result for your voice command in the **Result Display** menu (**Menu 6-1-3**), skip to step 4.

If you set the phone to display three best results, say "No" until you hear the name you want, following the voice prompt.

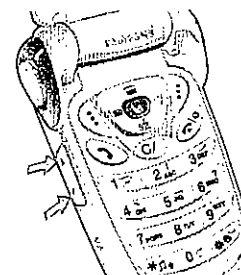
4. Say "Yes" when the prompt confirms the name you said.

5. The phone dials the corresponding number.

Adjusting the Volume During a Call

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

Press the **▲** key to increase the volume level and the **▼** key to decrease the level. The graphics on the display shows all five levels; the more bars you see, the louder the volume.






In Standby mode, you can also adjust the volume for the key tones using these keys.


Answering a Call

When somebody calls you, the phone alerts you by ringing and blinking the service light.

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

There are many ways to answer a call depending on your setting in the **Answer Mode** menu (**Menu 7-5**);

If you select	To answer the call,
By Send Key	press the  key.
By Folder Open	open the folder or press the  key.
By Any Key	open the folder or press any key except the  key, the soft keys and the Volume keys.


To end the call, close the folder or press the  key.

Note: You can answer a call while using the Phonebook or menu features. The current operation stops.

Silencing a Call Ringer



You can silence the ringer when a call comes in by pressing one of the Volume keys on the left side of the phone or pressing the left soft key. The "Ringer Silenced" message appears and the phone does not ring.

Rejecting a Call

To reject an incoming call, press the right soft key or the  key. You can also reject the call by pressing and holding one of the Volume keys on the left side of the phone with the folder closed. The "Call Rejected" message appears and the phone returns to the previous screen.

Viewing Missed Calls

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

When the display informs you of the missed call, press the  key to access the Recent Calls list, or the  key to clear the message and return to Standby mode.

To view the list of the missed calls, see "Missed" on page 71.

Options During a Call

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

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

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.

Calls: allows you to access the **Calls** menu. See page 71.

Phonebook: allows you to access the **Phonebook** menu. See page 77.

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

Send My #: sends DTMF (Dual Tone Multi-Frequency) tones of your phone number.

DTMF Length: enables you to select **Long** or **Normal** DTMF tones. The system used by the bank or other service determines if you need short or long DTMF tones. If the service is digital, as most are, short DTMF tones will almost always work.

Call Forwarding

When the **Call Forward** menu (**Menu 1-6**) is enabled, your phone forwards incoming calls to another phone or voicemail centre that you have specified, even if your phone is off. For further details, see page 75.

Activating Call Forwarding does not affect outgoing calls made from your phone.

Call Waiting

When the **Call Waiting** menu (**Menu 1-7**) is enabled, you can answer an incoming call while you have a call in progress. See page 76 for further details.

When a waiting call is detected, the incoming call alert sounds, depending on your network, and a text notification displays.

To answer a waiting call:

1. Press the **↶** key. The phone connects the calling person and places the current person on hold.
2. Press the **↶** key again to switch between the two callers.
3. To end the call, press the **⏏** key or close the phone. All of the calls are disconnected.

Three-way Calling

This feature enables you to conduct conference calls with two separate people at the same time. The phone records both of them into the Outgoing call log and you are billed airtime for each of the outgoing calls separately. Contact your service provider to activate Three-way Calling.

To make a three-way call:

1. During a conversation, enter the phone number for the third person and press the **↶** key.
2. When the third person answers, press the **↶** key again to begin your three-way call.

When one of the callers hangs up, you and the remaining caller stay connected. If you initiated the call and you hang up first, all three people are disconnected.



Entering Text

There may be times when, you will need to enter text, such as when storing a name in Phonebook, or writing a text message or scheduling events on your calendar. You can enter alphanumeric characters into your phone by using your phone's keypad.

Your phone has the following text input modes:

- **T9 Word**: allows you to enter English characters with only one keypress per character.
- **ABC**: allows you to enter English characters by pressing the key labelled with the character you want until it displays.
- **123**: allows you to enter numbers.
- **Symbol1** and **Symbol 2**: allows you to enter many different symbols and special characters.
- **Pinyin**: allows you to enter a Chinese character using its Pinyin spelling, which is a phonetic system.
- **Stroke**: allows you to enter a Chinese character using the individual strokes labelled on the keys.

Note: Pinyin, Stroke and Word modes use the T9 input method. T9 mode automatically compares your key presses to an internal linguistic database to determine the correct word.

Changing the Text Input Mode

Example: Entering a name in Phonebook

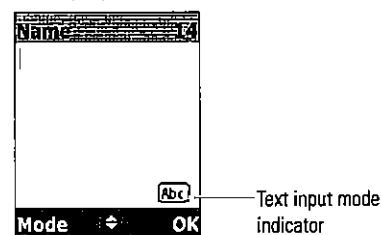
1. In the text entry screen, press the **Mode** soft key.
2. Scroll to the mode you want to use by pressing the Up or Down key.

Note: If you want to exit the mode list without changing to a new mode, press the **C/OK** key.

You can change between **T9 Word** and **ABC** mode to enter English words and choose **Pinyin** or **Stroke** to enter Chinese characters. To include a symbol or number(s) between characters, **Symbol1**, **Symbol2** and **123** modes are also available.

3. To select the highlighted mode, press the **OK** soft key.

The indicator for the text input mode appears on the display.



Using T9 Word Mode

To type a word in T9 Word mode, press keys corresponding to the letters you need. Remember the following as you are typing:

1. Press keys on the phone just once per each letter.
For example, to enter "Hello," press the **4**, **3**, **5**, **5**, and **6** keys.
2. The word you are typing appears on the display. It may change with each key press.
3. Type to the end of the word before editing or deleting any keystrokes.

If the word you want to enter does not appear on the display, press the **0** key one or more times to display alternative word choices for the keys you have typed.

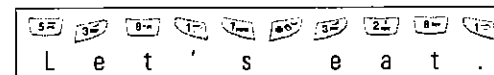
For example, both "Of" and "Me" have the sequence of **6** and **3**. The phone displays the most commonly used choice first.

4. Insert a space between words by pressing the **#** key.

To type words not found in T9 Word mode, you need to change the text input mode to ABC mode.

Smart Punctuation

You can insert periods, hyphens, and apostrophes by pressing the **1** key. T9 Word mode applies rules of grammar to insert the correct punctuation. Notice that the **1** key is used twice in this example to display two punctuation marks:



Changing the Letter-case

To shift the case of the next letter(s) that you type, press the ***** key. There are three cases:

- **T9 word:** Lower Case
- **T9 Word:** Initial Capital
- **T9 WORD:** Capitals Lock

Including a Number

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

Inserting a Space

Press the **#** key to insert a space between words.

Scrolling

To move the cursor to the left or right through your text, press the Left or Right key.

Clearing Letters and Words

Press the **C/⌫** key once or repeatedly to clear letters one by one to the left. Press and hold the **C/⌫** key to erase all of the letters on the display.

Using ABC Mode

When typing in ABC mode, you should press the key labeled with the letter you want:

- once for the first letter
- twice for the second letter
- and so on.

This method is called Multi-tap typing.

For example, you need to press the **2** key three times in succession to display the letter "C" and the **5** key 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 automatically move to the right, and enter the next letter.

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

List of characters available

Key	Characters in the Order Displayed
	. @ , : ? - ; ' / () ! # % & * <
	> _ + = " \ { } \$ [] 1
	A
	B
	C
	D
	E
	F
	G
	H
	I
	J
	K
	L
	M
	N
	O
	P
	Q
	R
	S
	T
	U
	V
	W
	X
	Y
	Z
	0

(Caps Lock mode)

Changing the Letter-case

To shift the case of the next letter(s) that you type, press the ***** key. There are three cases:

- **abc**: Lower Case
- **Abc**: Initial Capital
- **ABC**: Capitals Lock

Inserting a Space

Press the **#** key to insert a space between words.

Including a Number

You can quickly enter a number between letters in ABC mode. Press and hold the number key.

Scrolling

To move the cursor to the left or right through your text, press the Left or Right key.

Clearing Letters and Words

Press the **C/⌫** key once or repeatedly to clear letters one by one to the left. Press and hold the **C/⌫** key to erase all of the letters on the display.

Using 123 Mode

123 mode enables you to enter numbers into your text.

Press the keys corresponding to the digits you want to enter, and manually switch back to the text entry mode of your choice. See page 47 for changing the text input mode.

Using Symbol Modes

Symbol 1 and Symbol 2 modes enable you to enter symbols into your text.

Press the Left or Right key to display more symbol sets. Press the key corresponding to the symbol you want to enter, and the phone automatically switches back to the text entry mode used just prior to selecting Symbol mode.

Using Chinese Pinyin Mode

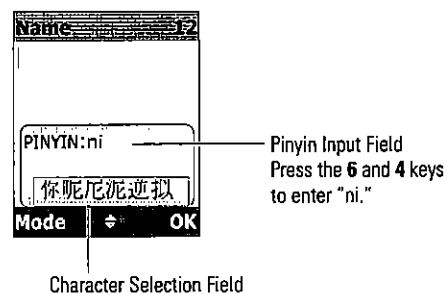
Pinyin is a system that writes the pronunciation of Chinese word using the Latin alphabet. With the Pinyin input method, you can enter Chinese characters by entering the Pinyin string using the phone's keypad. The phone automatically presents the matching words.

This mode allows you to enter Pinyin characters with only one key per letter.

Typing Characters in Pinyin Mode

1. Press keys corresponding to the phonetic spelling, referring to the Roman letters printed on the keys. Notice that the choices in the Character Selection Field change.

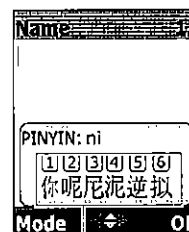
Example: Typing “你” in Pinyin mode



2. If you cannot find the character you want to enter from the display, press the Up or Down key to scroll through the choices in the Character Selection Field.

When the character appears in the Character Selection Field, you may select it, without completing the Pinyin spelling.

3. To select a character, press the 1 key to activate the Character Selection Field. Number, 1 to 6, are displayed above the characters. Press the number key to select the character you want.



Press the 1 key to select “你.”

Note: You can deactivate the Character Selection Field by pressing the C/⌫ key.

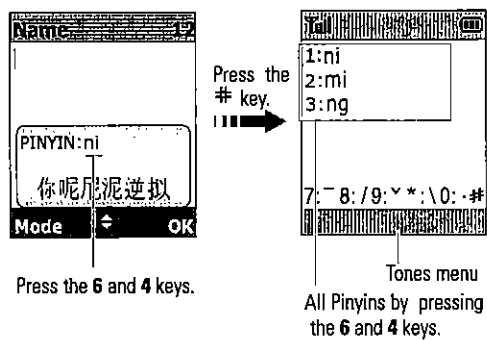
Using the Alternative Pinyins and Tones

You can enter another character using alternative Pinyins for the keys you have pressed or assign a tone for the selected Pinyin. Entering a tone for a character is optional, but it is especially useful if the Pinyin spelling is similar for several characters.

1. Press the keys corresponding to the letter you need. Press the **#** key to display another Pinyin spelling and then the Tones menu.

For example, to get "mi," press the **6** key and the **4** key. The screen shows "ni." Press the **#** key to show other pinyins.

Remember there are several Pinyins from the same key combinations. To get alternative Pinyins, press the **#** key.



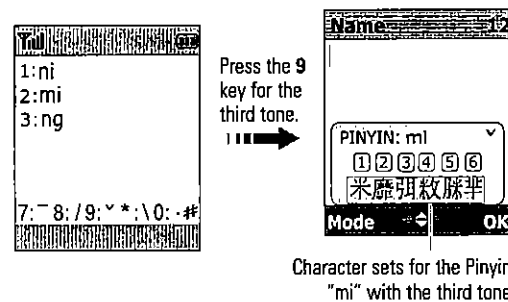
2. Press the associated keys to correspond to the Pinyin you want.

For example, press the **2** key to select "mi."

3. Press one of the keys to assign a tone; the **7, 8, 9**, and ***** keys for the four tones, and the **0** key for the light tone.

To exit without assigning a tone, press the **#** key.

For example, to enter a third tone for Pinyin "mi", press the **9** key. You can get the character sets for the Pinyin "mi" with the third tone.



4. If you cannot find the character you want from the display, press the Up or Down key to scroll through choices in the Character Selection Field.
5. When you find the character, press a key, from **1** to **6** that corresponds to the character.

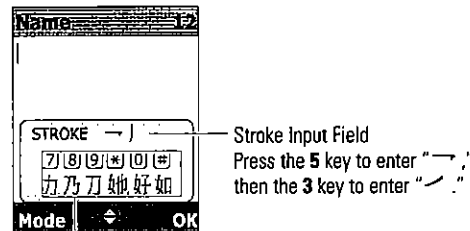
Notes:

- You may delete a previously entered tone by pressing the **C/⌫** key.
- To exit the Tones menu without making a selection, press the **#** key.

Typing Strokes and Characters in Stroke Mode

1. To type a character, press the keys corresponding to its component strokes. Press keys in the order that you would write the strokes, using one press per stroke.

Example: Typing “力” in Stroke mode



The Character Selection Field.
To select “力,” press the 7 key.

2. The phone displays your strokes in the Stroke input field and offers character choices in the Character Selection Field. As you enter strokes, notice that the choices in the Character Selection Field change.

To scroll through the choices, press the Up or Down key.

Note: If you are uncertain of the order of one or more strokes, press the 6 key in place of each questionable stroke. Continue entering strokes until the character displays in the Character Selection Field or until you finish the character.

3. When the character you are typing appears in the Character Selection Field, you may select it without finishing the stroke sequence for the character. Characters displayed in the Character Selection Field correspond to keys 7 to # on the keypad.

To select a character and add it to your text, press the corresponding key, from the 7 key to the # key.

Rapid Character Entry

Rapid character entry is easy in any mode, using the Character Selection Field. As you enter characters, your phone predicts the next character you might want and presents choices in the Character Selection Field.

For example, try typing the characters “中国” using the following keystrokes; 2, 8, 7. Even though it is a twelve stroke character, your phone allows you to enter it in only three key presses.

Scrolling

To move the cursor to the left or right through your text, press the Left or Right key.

Clearing Strokes and Characters

Press the **C/⌫** key once or repeatedly to remove strokes one by one to the left. Once the Stroke input field is empty, pressing the **C/⌫** key removes a letter from the Text Area.

To clear all of the strokes and characters on the display, press and hold the **C/⌫** key.

Using the Menus

The phone offers a range of functions that allows you to tailor it to your needs. These functions are arranged in menus and sub-menus.

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

Accessing a Menu Function by Scrolling

1. In Standby mode, press the **Menu** soft key to access Menu mode.
2. Scroll using the Navigation keys to reach a main menu, for example, **Settings**. Press the **Select** soft key to enter the menu.
3. Find the menu you want, for example, **Display**, by scrolling using the Up and Down keys. Press the **Select** soft key to enter the menu.

If the menu you have selected contains sub-menus, such as **Language**, repeat this step.

4. Scroll using the Navigation keys to select the setting of your choice.
5. Press the **Save** soft key to confirm the chosen setting.

Notes:

- To return to the previous menu level, press the **C/⌫** key.
- You can exit the menu without changing the menu settings by pressing the **⌫** key.

Using Shortcuts

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

Note: The numbers assigned to each menu function are indicated on the list on page 65.

1. In Standby mode, press the **Menu** soft key to access Menu mode.
2. Enter the first digit of the shortcut number. Repeat this for each digit of the shortcut number.

Example: Changing the display language

Press the **7**, **2** and **3** keys.

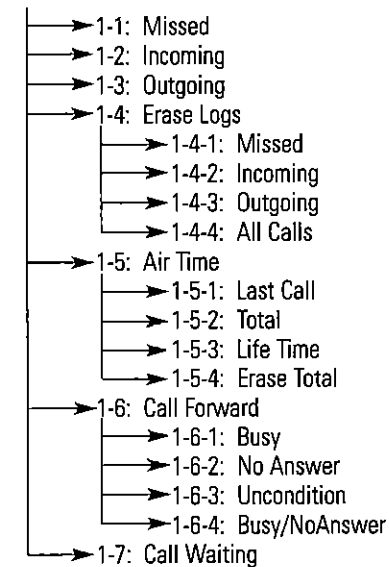
7 enters **Settings**, **2** selects **Display**, and **3** selects **Language**.

3. Scroll using the Navigation keys to select the setting of your choice.
4. Press the **Save** soft key to confirm the chosen setting.

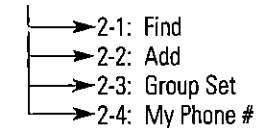
List of Menu Functions

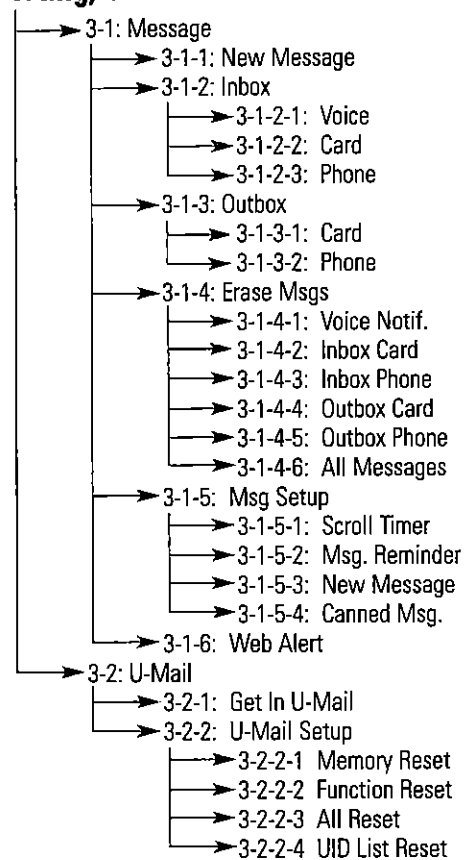
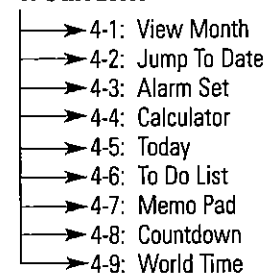
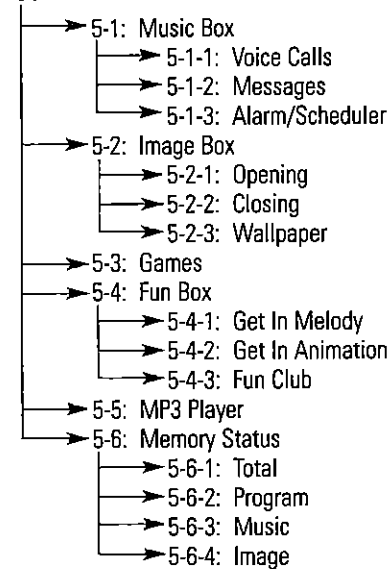
The following list shows the menu structure available and indicates the number assigned to each option.

1: Calls



2: Phonebook



3: Msg/U-Mail**4: Scheduler****5: Entertainment**

6: Voice Dial

- 6-1: Configure
 - 6-1-1: Set Active
 - 6-1-2: Select Sex
 - 6-1-3: Result Display
 - 6-1-4: Earmic Setup
 - 6-1-5: Message Vol
 - 6-1-6: Storage
- 6-2: Edit Name

7: Settings

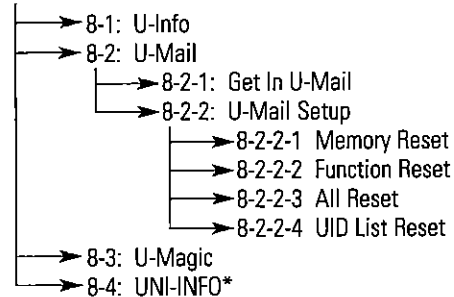
- 7-1: Sounds
 - 7-1-1: Ringer Volume
 - 7-1-1-1: Voice Calls
 - 7-1-1-2: Messages
 - 7-1-1-3: Alarm/Scheduler
 - 7-1-2: Key Tone
 - 7-1-3: Function Alert
 - 7-1-3-1: Alert Tone
 - 7-1-3-2: Settings
 - 7-1-4: Hour Alert
 - 7-1-5: Voice Volume
- 7-2: Display
 - 7-2-1: Banner
 - 7-2-2: Backlight
 - 7-2-3: Language
 - 7-2-4: Set Time
 - 7-2-4-1: Main Clock
 - 7-2-4-2: Dual Clock
 - 7-2-5: Ext. Clock
 - 7-2-6: Contrast
 - 7-2-6-1: Main LCD
 - 7-2-6-2: Front LCD
 - 7-2-7: Service LED

7: Settings (continued)

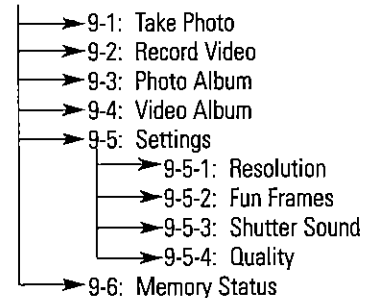
- 7-3: Auto Retry
- 7-4: Auto Answer
- 7-5: Answer Mode
- 7-6: Roam Option
- 7-7: Security
 - 7-7-1: Lock Mode
 - 7-7-2: Change Lock
 - 7-7-3: Emergency #
 - 7-7-4: Voice Privacy
 - 7-7-5: Restriction
 - 7-7-6: Clear Memory
 - 7-7-6-1: Card
 - 7-7-6-2: Phone
 - 7-7-6-3: All
 - 7-7-7: Reset Phone
 - 7-7-8: Card Setup
 - 7-7-8-1: PIN Check
 - 7-7-8-2: Change PIN
 - 7-7-8-3: UIM Lock
- 7-8: Entry Method
- 7-9: Data Option

Using the Menus

8: U-Max



9: Camera



* Available only when you use a UTK UIM card that provides additional services. For further details, see your UTK UIM card instructions.

1 Calls

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

- view and dial the last missed, outgoing or incoming numbers.
- erase the numbers in the call logs.
- view the duration of calls.
- set the phone to receive a second call or to forward incoming calls to a preset number.

Missed *(Menu 1-1)*

If Caller Line Identification is available, your phone keeps a list of the last 20 incoming calls that you failed to answer. Contact your service provider for the availability.

1. Press the Up or Down key to find a number or name, if saved in your Phonebook.
2. Press the **Select** soft key to select the highlighted number. The dialled number or name, if stored in Phonebook, displays.

To	Press the
place a call to the number	key.
use the menu options	Menu soft key. For details, see the next page.
view other calls	Navigation keys.
return to Standby mode	key.

When you access the menu options, the following options are available:

Talk: dials the number.

Save: allows you to save the number in Phonebook.

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

Erase: allows you to erase the number.

Incoming *(Menu 1-2)*

This menu lets you view up to 20 of the last calls you received if you are a subscriber to the Caller Line Identification service. Contact your service provider for more information about this service. When you access this menu, the list of the incoming calls displays.

For further details about scrolling through the list and accessing the call log, see "Missed" on page 71.

Outgoing *(Menu 1-3)*

The phone stores up to 20 of the last numbers you dialed. When you access this menu, a list of the outgoing calls displays.

For further details about scrolling through the list and accessing the call log, see "Missed" on page 71.

Erase Logs *(Menu 1-4)*

In this menu, you can erase the entries stored in each of the three call logs; missed, incoming, and outgoing calls. You can also erase all of your call log entries at one time by selecting **All Calls**.

When a confirming message appears, select **Yes** to erase the logs. If you want to cancel the selection, select **No**.

Air Time *(Menu 1-5)*

Your phone records the amount of air time, or talk time, used. Using this menu, 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 air time record at any time.

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

The following options are available:

Last Call: shows the air time of the last call.

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

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

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

Call Forward *(Menu 1-6)*

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

Note: This menu is only available when your network operator supports it. Contact your service provider to check the availability.

The following options are available:

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

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

Uncondition: Calls are always forwarded.

Busy/NoAnswer: Calls are forwarded when you are already on the phone or do not answer.

To set your forwarding options:

1. Choose the type of call forwarding by pressing the Up or Down key and press the **Select** soft key.
2. Select **Enable** and press the **Save** soft key.
3. Enter the area code and phone number where your calls will be forwarded.
4. Press the **Send** soft key. The phone sends your setting to your network.

Calls

Once Call Forwarding is enabled, a notification text appears to inform you that your calls will be diverted. It will also inform you each time a call is forwarded.

To deactivate the call forward setting:

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

Call Waiting *(Menu 1-7)*

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

To enable the feature, select **Enable** by pressing the Up or Down key and press the **Save** soft key. The phone sends your setting to your network.

When Call Waiting is enabled, you can respond to an incoming call by pressing the **↶** key while you are on a call. This puts the first caller on hold and answers the second call. For further details, see page 44.

To deactivate the call waiting setting, select **Disable** and press the **Save** soft key.

Phonebook

You can store phone numbers and their corresponding names in the memory of your UIM card and the phone. The UIM card and phone's memory, although physically separate, are used as if they were a single entity, called Phonebook.

The capacity of the card memory may vary depending on your card's manufacturer.

Find *(Menu 2-1)*

This menu allows you to find an entry using a person's name, entry number, group name or memory location.

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

To change the finding method, press the Up key and press the Left or Right key until the option you want to use displays; **By Name**, **By Entry**, **By Group** or **By Storage**.

Finding an Entry by Name


When you select this method, all of the Phonebook entries appear in alphabetical order.

1. If necessary, press the Left or Right key to scroll to **By Name**.
2. If necessary, press the Down key to highlight the name input box.

3. Enter the first few letters of the name you want to find. You can enter characters using ABC mode by default.



If you want to find a Chinese name, press the **Menu** soft key when the name input box is highlighted. You can enter a name using other text input modes. For more information about how to enter characters, see page 46.

Your phone highlights the first name matching your input.

4. If necessary, press the Up or Down key to scroll through the entries.
5. When an entry highlights:
 - Press the  key to place a call to the entry's speed-dial number.
 - Press the **Menu** soft key to access the following options:
 - **Edit**: edits the entry's phone number, name, location number and other information.
 - **Erase**: erases the entry.
 - **Add New**: adds a number to Phonebook. You can create a new entry or add it to an existing entry. For more information about how to add a number, see page 81.
 - **To vCard**: saves the entry as a name card so that you can send it using the U-Mail service. See page 96.

- Press the **OK** soft key to select the entry. Information about the entry displays. Move to each item by pressing the Up or Down key.

Press the **Menu** soft key to use one of the following options:

- **Talk**: dials the number labelled as a speed-dial number.
- **Edit**: allows you to change the item.
- **Copy**: allows you to copy a number to another memory location. For an entry stored in the phone's memory, this option is shown only when you select a number, such as **Home**, **Office**, **Mobile**, **Pager** or **Fax**.
- **Erase**: erases the entry. If you select one of the numbers for the entry, only the number is erased.
- Press the  key to return to the previous screen.
- Press the  key to exit this menu.

Finding an Entry by Entry Number

When you select this method, all of the Phonebook entries appear in numeric order of the location numbers.

1. Press the Left or Right key to scroll to **By Entry**.
2. Press the Down key to highlight the number input box.

3. Enter the location number of the entry you want to find.
4. Follow the procedure from step 4 on page 78.

Finding an Entry by Group

When you select this method, a list of the Phonebook entries in a group appears.

1. Press the Left or Right key to scroll to **By Group**.
2. Press the Down key to move to the group selection field.
3. Press the Left or Right key to scroll through the groups.

Each time you select a group, a list of the associated entries displays.

4. Follow the procedure from step 4 on page 78.

Finding an Entry by Storage

When you select this method, a list of the Phonebook entries in the UIM card appears first.

1. Press the Left or Right key to scroll to **By Storage**.
2. Press the Down key to move to the memory selection field.

3. Press the Left or Right key to scroll through the memory, **Card** and **Phone**.

Each time you select a memory, a list of the associated entries displays.

4. Follow the procedure from step 4 on page 78.

Add *(Menu 2-2)*

This menu allows you to add a new entry to your Phonebook by saving a phone number, an e-mail address or a memo.

Adding a New Entry Using a Number

In the Phone memory, a name can contain up to 5 numbers in different categories; Home, Office, Mobile, Pager and Fax. You can save only one number with a name in the Card memory.

1. After accessing the **Add** menu (**Menu 2-2**), select **Number** from the pop-up list and press the **OK** soft key.
2. Enter a number you want to save and press the **Save** soft key.
3. Press the **Save** soft key to accept **New Entry**.

4. Enter a name and press the **OK** soft key.

For more information about how to enter characters, see page 46.

5. Your phone shows the entry information. Press the Up or Down key to scroll through the items.

- **Name:** Press the **Edit** soft key to change the name you entered in step 4, if necessary. You can enter a name in this step if one has not already been entered.
- **Storage:** Shows the memory where the number is stored. The card memory is automatically selected for storing the number.
- **Location number:** The first available location displays. If you need to, enter the location number using the number keys or press the Left or Right key until the location number you want to use appears.
- **Number:** Shows the number you entered in step 2. You can change the number or insert a pause using the **Pause** soft key.

6. To save the number in the card, skip to step 10.

To save it in the phone's memory, highlight the storage or location number field and press the **Phone** soft key. Continue the next steps.

7. Choose a type icon, **Home**, **Office**, **Mobile**, **Pager** or **Fax**, using the Navigation keys and press the **Select** soft key.

8. Press the Up or Down key and change the setting or enter more information, if necessary.

- **Name:** Shows the entry name.
- **Storage:** Shows the memory where the number is stored.
- **Location Number:** Shows the location number.
- **Home/Office/Mobile/Pager/Fax:** You can add numbers for each category or change the current number.
- **L- Image:** Allows you to assign one of the photos you took using the camera as a caller ID image to be displayed when you receive a call from the selected number.
- **E-Mail/E-Mail2:** Press the **Edit** soft key to enter an e-mail address. For more information about how to enter characters, see page 46.
- **ETC:** Press the **Edit** soft key to add a memo about the person.
- **SpeedDial:** Select the category of the number you want to use for speed-dialing, by pressing the Left or Right key .
- **Group:** Select one of the default relation groups, where the entry is included. Grouping the entries enables you to search for a number in the group. See page 80.
- **Ringer:** Select a unique ringer melody for the entry. By selecting a different tone for each entry, incoming voice calls having a caller ID can be distinguished from those that do not.


9. Repeat step 8 until you complete the contact information of the entry.

10. Press the **Save** soft key to save the entry.

After storing, the phone displays the memory status of Phonebook for a few seconds and goes to the Phonebook list.

Saving a Phone Number from Standby Mode

1. In Standby mode, enter a number you want to save.

Or, press the  key to end the call. The call time and the phone number display.

2. Press the **Save** soft key.
3. Enter a name and press the **OK** soft key.

For more information about how to enter characters, see page 46.

4. Follow the procedure from step 5 on page 82.

Adding a Number into an Existing Entry

You can store up to 5 numbers for a name saved in the phone's memory by assigning them to the different types.

1. After accessing the **Add** menu (**Menu 2-2**), select **Number** from the pop-up list and press the **OK** soft key.
2. Enter a number you want saved and press the **Save** soft key.

3. Press the Up or Down key to select **Find** and press the **Save** soft key.
4. Find the name you want using the Up and Down keys and press the **OK** soft key.
5. Select a type icon by pressing the Navigation keys and press the **Select** soft key.
6. Follow the procedure from step 6 on page 82.
7. When the confirming message to overwrite the entry appears, select **Yes** and press the **Select** soft key.

Adding a New Entry Using an E-mail Address

You can store an e-mail address as a Phonebook entry.

1. After accessing the **Add** menu (**Menu 2-2**), select **E-mail** from the pop-up list and press the **OK** soft key.
2. Enter the e-mail address and press the **OK** soft key.

For more information about how to enter characters, see page 46.

3. Press the **Save** soft key to accept **New Entry**.

Note: To add the address to an existing entry, select **Find**. Find the name from the Phonebook list and press the **OK** soft key.

4. Enter a name and press the **OK** soft key.
5. Follow the procedure from step 6 on page 82.

Adding a New Entry Using a Memo

You can make a memo about a person as a Phonebook entry.

1. After accessing the **Add** menu (**Menu 2-2**), select **ETC** from the pop-up list and press the **OK** soft key.

2. Enter a memo and press the **OK** soft key.

For more information about how to enter characters, see page 46.

3. Press the **Save** soft key to accept **New Entry**.

Note: To add the memo to an existing entry, select **Find**. Find the name from the Phonebook list and press the **OK** soft key.

4. Enter a name and press the **OK** soft key.
5. Follow the procedure from step 6 on the page 82.

Group Set (Menu 2-3)

This menu allows you to change a group's name.

1. Press the Up or Down key to select the group you want to rename and press the **Select** soft key.
2. Press the **C/⌫** key to erase the old group name.
3. Enter a name.

For more information about how to enter characters, see page 46.

4. Press the **OK** soft key to save the new name.

My Phone # (Menu 2-4)

This menu shows your phone number.

To change the phone number:

1. Press the **Edit** soft key when the number displays.
2. Enter a new phone number and press the **Save** soft key.



Msg/U-Mail

In this menu, you can:

- write new SMS (Short Message Service) messages and check your incoming messages.
- use the U-Mail service, provided by your service provider.

Message *(Menu 3-1)*

Your phone can receive voice mail notifications, text messages, and web messages from your web server. Your phone can also send text messages if your system supplier provides this service.

Incoming messages are received even when your phone is in Lock mode. However, the screen does not display information about the message. To access the message, you need to unlock the phone.

If you receive an incoming message during a call conversation, your phone sounds an alert tone or vibrates, depending on your sound settings.

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

New Message *(Menu 3-1-1)*

You can create short text messages and send them to multiple mobile phones.

1. Enter the message contents and press the **OK** soft key.

For more information about how to enter characters, see page 46.

You can use up to 20 canned messages by pressing the **Mode** soft key and selecting **CannedMsg**. For details, see page 95.

2. Select one of the following options and press the **OK** soft key:

- **Send & Save:** allows you to save a copy of the message and then send the message to the required destination. You can read the message in your Outbox.
- **Send only:** allows you to send the message. The message will be deleted after sending.
- **Save only:** allows you to save the message so that it can be sent later. You can read the message in your Outbox.

3. Enter a phone number.

If you press the **Menu** soft key and select **Phonebook**, you can search your Phonebook for a number.

4. To send the message to multiple destinations, press the Down key and enter another number.

Repeat this step to add more destinations. You can send the message to up to 10 destinations at one time.

5. When you finish entering the numbers, press the **OK** soft key to send or save the message.

Your phone informs you whether or not the message was successfully sent, and returns to the Message menu screen.

Inbox (Menu 3-1-2)

Your phone can store SMS messages and their corresponding Caller ID in your UIM card and phone's memory. If your memory is full, the screen displays a text notification and rejects additional incoming messages until you erase the obsolete ones.

Voice Messages

When you receive a voice mail message, the Voice Mail icon (☒) and the corresponding text notification displays. Press the **↵** key to place a call to the voice mail centre. Then follow the voice prompts from the system to listen to the message.




You can also check your voice messages by accessing the **Voice** menu (**Menu 3-1-2-1**).

For further details about the voice mail service and its availability, contact your service provider.

Text Messages

When the phone receives a text message, the New SMS Message icon (☒) and a text notification with the call back number appear. Press the **OK** soft key to view the message immediately.

When you access the **Card** menu (**MENU 3-1-2-2**) or **Phone** menu (**MENU 3-1-2-3**), a list of the received message displays. An icon displayed on the list shows the message's status:

-  : displays when you have read the message.
-  : indicates that a duplicate message was sent.
-  : means that the message is urgent.

Press the Up or Down key to scroll to the message you want and press the **View** soft key. The phone displays the contents. If necessary, press the Up or Down key to scan through the message.

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 send the message to other people.



Call/Save: shows the list of the sender's number, the callback number and numbers from the message text, if any. Press the **↵** key to dial the selected number. To save it in your Phonebook, press the **Save** soft key.

Erase: erases the message from your Inbox.

Outbox (Menu 3-1-3)

Your phone can store your outgoing messages in your UIM card and phone's memory.


When you access the **Card** menu (**MENU 3-1-3-1**) or **Phone** menu (**MENU 3-1-3-2**), a list of the sent messages display. An icon displayed on the list shows the message's status:

-  : indicates that the message was successfully delivered.
-  : indicates that the message was not sent.

Press the Up or Down key to scroll to the message you want and press the **View** soft key. The phone displays the contents along with the destination number. If necessary, press the Up or Down key to scan through the message.

While viewing a message, press the **Menu** soft key to use the following options:

Resend: allows you to send the message to other people.

Call/Save: shows the list of the destination number and numbers from the message text, if any. Press the  key to dial the selected number. To save it in your Phonebook, press the **Save** soft key.

Erase: erases the message from your Outbox.

Erase Msgs (Menu 3-1-4)

Using this menu, you can erase all of the messages in each message box; voice notification, card inbox, phone inbox, card outbox and phone outbox.

You can also erase all of the messages at one time using the **All Messages** option.

Msg Setup (Menu 3-1-5)

Using this menu, you can set up various options for receiving or sending messages.

Scroll Timer

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

When this option is set to **Off**, you need to manually scroll to the next screen using the Up or Down key.

Msgs. Reminder

When a message is received, your phone alerts you by sounding the specified ringer. You can set how often this will happen.

Off: The phone doesn't alert you after you receive an incoming message but the New Message icon appears.

Once: The phone alerts you just once when you receive an incoming message.

Every 2 min: The phone alerts you every 2 minutes when you receive an incoming message.

New Message

You can set up the following options as default settings when creating a new message:

Priority: allows you to set the priority level of the messages from **Normal**, **Interactive**, **Urgent** or **Emergency**.

Delivery Ack: allows you to activate or deactivate the delivery acknowledgement feature. When this is activated, the network informs you when your message is delivered to the recipient.

Canned Msgs.

Your phone has 11 preset messages to enable you to use them when writing a new message.

You can change them, if necessary, and add up 9 messages.

1. Press the Up or Down key to highlight the message you want to change.

To add a new message, select an empty location.

2. Press the **Select** soft key.

3. Clear the existing message using the **C/⌫** key, if necessary, and enter a new message.

For further details about how to enter text, see page 46.

4. Press the **OK** soft key to save the message.

Web Alert *(Menu 3-1-6)*

In this menu, you can view a web message from the wireless web server. For details about reading a web message, see "Text Messages" on page 91.

U-Mail *(Menu 3-2)*

Note: You can quickly access this menu by pressing the Left key in Standby mode.

In this menu, you can use U-Mail service, which allows you to send or receive e-mail messages containing media items, such as sounds or images.

For further details about this service and its availability, contact your service provider.

Note: You can quickly access the **Message** menu by pressing the **SMS** soft key.

Get In U-Mail (Menu 3-2-1)

This menu allows you to start the U-Mail Client to manage, send or receive e-mail messages.

For further details about using this message service, contact your service provider.

U-Mail Setup (Menu 3-2-2)

You can reset the U-Mail feature using this menu.

The following options are available:

Memory Reset: deletes all of the sent or received messages stored in your mail box.

Function Reset: restores the default settings for using the U-Mail service.

All Reset: restores the default settings for using the U-Mail service and deletes all of the messages stored in your mail box.

UID List Reset: clears the UID list stored in the U-Mail Client.

Scheduler

The Scheduler feature enables you to:

- keep track of important dates and events.
- set the phone to ring at a specified time.
- use the phone as a calculator.
- create a list of things to do.
- set and count down to D-Day.
- check the current time in another part of the world.

Note: When you are out of your service area, you cannot use some of the features in the **Scheduler** menu.

View Month (Menu 4-1)

This menu allows you to view the current month, as well as the past or future months in calendar format. You can be alerted by the Calendar function before an event commences.

When you access this menu, the current day is automatically selected and indicated by a blue box on the calendar.

Note: You can quickly enter this menu by pressing the Right key in Standby mode.

Selecting a Day on the Calendar

- You can move to the next or the previous day by pressing the Left or Right key.
- You can move up or down the Calendar by week by pressing the Up or Down key.
- You can view the next or previous month by using the Volume keys on the left side of the phone.

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

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

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

Scheduling an Event

You can schedule up to 9 events for one day and 20 events total.

1. Select a day from the calendar, referring to "Selecting a Day on the Calendar," and press the **OK** soft key.
2. Enter your event information and press the **OK** soft key to accept your input.

For further details about how to enter characters, see page 46.

3. Enter the Start time and date using the numeric keys and press the Down key.

Notes:

- You need to enter the time in 24-hour format.
- You can move through the input fields using the Left and Right keys.

4. Enter the End time and date using the numeric keys and press the Down key.
5. Specify when an alarm alerts you to your event, by pressing the Left or Right key. When you select **No alarm**, the phone does not ring the alarm.
6. Press the **Save** soft key to save your event.

Viewing Your Schedule

Days with scheduled events are indicated by a box on the calendar when you access the **View Month** menu (**Menu 4-1**). Select one of them and press the **OK** soft key. The first event displays.

Highlight to the event you want to view by pressing the Left or Right key. If necessary, press the Down key to display the end time of the event.

While viewing an event, press the **Menu** soft key to use the following options:

Add new: allows you to add a new event.

Edit: allows you to edit the event.

Erase: erases the event.

Erase All: erases all of the scheduled events.

Jump To Date *(Menu 4-2)*

This feature allows you to specify a date so that you can easily access the day without scrolling through the calendar.

1. Enter the date using the numeric keys and press the **Save** soft key.

Notes:

- You need to enter the time in 24-hour format.
- You can move through the input fields using the Left and Right keys.

2. When the date you entered highlights on the calendar, press the **Save** soft key to access it.

For further details about scheduling or viewing events, see "View Month" on page 97.

Alarm Set *(Menu 4-3)*

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

To set the alarm:

1. Select the alarm frequency option by pressing the Navigation keys.
 - **Once:** The alarm rings only once and is then deactivated.
 - **Daily:** The alarm rings every day at the same time.

2. Press the **Save** soft key.
3. Enter the time for the alarm to ring by using the numeric keys.

Notes:

- You need to enter the time in 24-hour format.
- You can move through the input fields using the Left and Right keys.

4. Press the **Save** soft key to save the setting.

To stop the alarm when it rings, open and close the folder or press any key.

To deactivate the alarm, access the **Alarm Set** menu, select **Off**.

Calculator *(Menu 4-4)*

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

To perform a calculation:

1. Enter the first number using the numeric keys.

Notes:

- To erase any mistakes or clear the display, press the **C/AC** key.
- Use the ***** key to enter a decimal point and the **#** key to change the sign of a number to a negative (-).

2. Select the operation for your calculation by pressing the Navigation keys according to the illustration on the display; + (add), - (subtract), \times (multiply), \div (divide).
3. Enter the second number.
4. To view the result, press the **OK** soft key.
5. Repeat steps 1 to 4 as many times as required.

Today *(Menu 4-5)*

You can schedule up to 9 events for the current day, indicating each event's starting and ending time. Events scheduled on future dates automatically appear on your Today display on that particular day.

For further details about scheduling and viewing events, see "View Month" on page 97.

To Do List *(Menu 4-6)*

This feature allows you to enter a list of tasks you need to do and assign both a priority and a deadline to them. You can store up to 20 tasks.

Creating a To Do Item

1. Enter the task contents and press the **OK** soft key.

For more information about how to enter characters, see page 46.



2. Select High or Low priority using the Left or Right key and press the Down key.
3. Enter the time and date when your task needs to be done using the numeric keys.

Notes:

- You need to enter the time in 24-hour format.
- You can move through the input fields using the Left and Right keys.

4. Press the **Save** soft key to save the task.

Viewing To Do List

When you access the **To Do List** menu (**Menu 4-6**), the first task displays along with the deadline and the associated priority highlighted;  for high priority or  for low priority.

Scroll to the task you want to view by pressing the Left or Right key.

While viewing a task, press the **Menu** soft key to use the following options:

Add new: allows you to add a new task.

Edit: allows you to edit the task.

Erase: erases the task.

Erase All: erases all of the tasks.

Memo Pad *(Menu 4-7)*

This feature allows you to make memos of important things you need to remember.

Writing a New Memo

1. Enter what you need to remember.

For further details about how to enter characters, see page 46.

2. Press the **OK** soft key to save the memo.

Viewing a Memo

The list of your memos displays when you access the **Memo Pad** menu (**Menu 4-7**). To view details, press the Navigation keys to scroll to the memo you want to view from the list and press the **Select** soft key.

While viewing a memo, press the **Menu** soft key to use the following options:

Add new: allows you to add a new memo.

Edit: allows you to edit the memo.

Erase: erases the memo.

Erase All: erases all of the memos.

Countdown *(Menu 4-8)*

This menu helps you know how much time it takes for you to do something or how many months, days, hours and minutes until a specific event occurs. You can create up to 20 Countdown timers using this feature.

Creating a Countdown Timer

1. Enter a name for your Countdown timer and press the **OK** soft key.

For more information about how to enter characters, see page 46.

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

Notes:

- You need to enter the time in 24-hour format.
- You can enter between 1981 and 2099 for the year.
- You can move through the input fields using the Left and Right keys.

3. Press the **Save** soft key to save the timer.

Viewing a Countdown Timer

The first Countdown timer displays when you access the **Countdown** menu (**Menu 4-8**).

Scroll to the timer you want to view by pressing the Left or Right key.

While viewing a timer, press the **Menu** soft key to use the following options:

Add new: allows you to create a new timer.

Edit: allows you to edit the timer.

Erase: erases the timer.

Erase All: erases all of the timers.

World Time *(Menu 4-9)*

You can use this menu to find out what time it is in another part of the world and apply the DST (Daylight Saving Time) to a time.

Press the Navigation keys to scroll to the time zone you want to check.

To apply the Daylight Saving Time:

1. After selecting the time zone you want to apply the DST, press the **DST** soft key.
2. Select **Yes** using the Left or Right key and press the **Select** soft key. The DST icon appears on the left of the time.

To cancel the setting, select **No**.

Entertainment

Using the **Entertainment** menu, you can download and enjoy various contents, such as images, sounds, games or MP3 files from the Wireless Web. You can also manage the downloaded contents.

Music Box *(Menu 5-1)*

This menu allows you to set the unique ringer melodies for the following items. You can select one of the default melodies or ones downloaded from the Wireless Web or using the PC link programme:

Voice Calls: allows you to select a ringer for incoming voice calls.

Note: You can quickly change the call ringer in Standby mode. Press and hold the * key.

Messages: allows you to have a ringer for incoming voice mail, text messages and web alerts.

Alarm/Scheduler: allows you to have a ringer for alarm settings and the scheduler alarm.

To select a melody:

1. Select an item you want and press the **Select** soft key.
2. Select the ringer category you want using the Left and Right keys and press the Down key.

3. Scroll through the ringers using the Left and Right keys. After you change it, it sounds.
4. Press the **Select** soft key when you find the ringer you want.

Image Box *(Menu 5-2)*

This menu allows you to change the background image to be displayed in Standby mode or when the phone is turned on or off. You can also erase downloaded images or photos.

The following options are available:

Opening: You can select an image to display when you turn the phone on.

Closing: You can select an image to display when you turn the phone off.

Wallpaper: You can select an image to display on the idle screen.

To select an image:

1. Select an item you want and press the **Select** soft key.
2. Select the image category you want and press the **Select** soft key.

You can select one of the default images, ones you downloaded from the web or photos you took.

3. Scroll through the images using the Navigation keys.
4. Press the **Select** soft key when you find the image you want.

To erase an image:

1. On a image list of the **U-Mail Image**, **U-Magic Image**, **My Image** or **Photo**, scroll to the image you want to erase and press the **Erase** soft key.
2. When a confirming message appears, select **Yes** and press the **Select** soft key.

Note: When you delete a photo you took in this menu, it is also deleted from the Photo Album.

Games *(Menu 5-3)*

You can enjoy games using your phone.

To start a game:

1. Press the Up or Down key to scroll to one of the games and press the **Select** soft key.
2. Press one of the Navigation keys or the right soft key.


The phone displays the following options:

- **NEW GAME:** allows you to start a new game.
- **HIGH SCORE:** shows you the high score table.

- **HELP/KEY INFO:** gives you the key helper screen to play the game.
- **CONTINUE:** allows you to continue the last game you played. This option is activated only when you have played a game.

3. Select **NEW GAME** or **CONTINUE** using the Up or Down key and press the right soft key.
4. When **START GAME** or **START** is highlighted, press the right soft key.

To use the following options, select **OPTION**. Press the Up or Down key to scroll to an option and change the setting using the right soft key:

- **DIFFICULTY:** allows you to change the game level.
- **SOUND:** allows you to turn the game sound on or off.
- **VIBRATION:** allows you to turn the vibration on or off.
- **BACK/**  : goes back to the previous screen. You need to select this option after changing the options.

Note: The available options may be different depending on the selected game.

5. While playing a game:

To	Press the
pause/resume the game	C/Ⓜ key.
exit the game	Ⓜ key.

Note: The key operation may vary depending on the selected game. Please use the on-screen help.

Fun Box *(Menu 5-4)*

You can access the Samsung Fun Club on the Wireless Web and download various media items, such as melodies and images.

Samsung Fun Club is the preset web site providing Samsung phone users with attractive download services. You can download:

- 4-level greyscale and colour images from WAP.
- 60-polyphonic melodies from WAP.
- customer services.
- information and electronic catalogues for Samsung Electronics products.

Get In Melody *(Menu 5-4-1)*

In this menu, you can store 60 poly ring tones and melodies downloaded from Samsung Fun Club. You can use them as your ring tone or delete them.

Get In Animation (Menu 5-4-2)

In this menu, you can store images downloaded from Samsung Fun Club. You can use them as your wallpaper or power on/off images or delete them.

Fun Club (Menu 5-4-3)

In this menu, you can access the Samsung Fun Club homepage.

Note: Before accessing Samsung Fun Club for the first time, please connect your service provider's WAP homepage first. Then reconnects to Samsung Fun Club. This service requires WAP subscription and may not be available depending on your local system and services.

MP3 Player (Menu 5-5)


Your MP3 Player enables you to download MP3 files stored in your PC through the PC link programme and save them to your phone's memory.


Before playing MP3 files, make sure that you connect the ear-microphone to the phone, if necessary.

Playing MP3 Files

You can play all of the MP3 files stored in your phone or the selected file(s).

To play all of the files in the phone:

1. Press the  key from the startup screen of the MP3 player.
2. You can use the following options while playing a file:

To	Press the
pause or resume playing	 key.
access the previous file	Left key within 3 seconds after playing has started.
skip to the beginning of the file	Left key 3 seconds after playing has started.
skip to the next file	Right key.

To	Press the
change the repeating mode	Down key until a repeat mode icon appears. <ul style="list-style-type: none"> • : repeats all of the files. • : repeats all of the files you selected. • : repeats the current file. • SFL: shuffles the files.
adjust the volume	Volume keys.
stop playing	Stop soft key.
exit the MP3 Player	End soft key.

To play a file:

1. Press the Up key to view the file list.

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

- **Multi-Select**: plays all files you selected. For details, see page 115.
- **Delete**: deletes the file.
- **Delete All**: deletes all files.
- **Visual Effect**: allows you to select an image shown on the screen while a file is playing.
- **View Details**: allows you to view information about the file, such as the name, date when the file was downloaded, playing duration, size and format.

2. Select a music file you want using the Up and Down keys and press the **Play** soft key.

For details about using the keys while playing the file, see page 113.

To play the selected files:

1. Press the Up key to view the file list.
2. Press the **Option** soft key and select **Multi-select**.
3. Select the file you want using the Navigation keys and press the **Select** soft key or *** key**. Repeat this step to select more files.
4. Press the **Play** soft key.

For details about using the keys while playing files, see page 113.

Notes:

- You can receive a call while an MP3 file is playing. After ending the call, the phone returns to Play mode.
- When you receive a message while an MP3 file is playing, a warning tone beeps and the playing continues.
- When the alarm time expires while an MP3 file is playing, the file pauses and the alarm rings. After you stop the alarm, the phone returns to Play mode.

Memory Status *(Menu 5-6)*

This menu allows you to check the amount of the memory being used or memory remaining available for downloaded contents, such as melodies, images, games and other applications.

Total: shows the total space including the used and free space.

Program: shows the list of downloaded application programmes, such as games or karaoke files.

Music: shows the list of downloaded music files, such as bells or melodies.

Image: shows the list of downloaded image files, including pictures and animated images.

You can also delete obsolete contents from the content list to free memory space to store a new one.

Voice Dial

Once you have saved a phone number with a name in Phonebook (see page 81), you only need to say the associated name or the number into the microphone to dial the number. See page 38 for details about voice dialling.

Note: Your phone can recognise only Chinese names.

Using the **Voice Dial** menu, you can configure your phone to recognise your voice command.

Note: You can quickly enter this menu by pressing the $\text{C}/\text{v}\xi$ key in Standby mode.

Configure *(Menu 6-1)*

You can configure various settings for using the Voice Dialling feature.

Set Active *(Menu 6-1-1)*

In this menu, you can set how you want to initiate voice dialling. The following options are available:

Auto: The phone automatically switches to Voice Dial mode when you open the folder.

Manual: You need to press and hold the $\text{C}/\text{v}\xi$ key to dial a number by your voice command.

Select Sex (Menu 6-1-2)

You can programme a gender to the phone to recognise your voice.

Result Display (Menu 6-1-3)

This menu allows you to set how many entries the phone displays as a result of the recognition after searching for the best match for your voice command.

Earmic Setup (Menu 6-1-4)

You can set the phone to activate Voice Dial mode when you press the button on the ear-microphone.

Note: When using the ear-microphone, the Voice Dialling feature may not work properly in noisy environments.

Message Vol (Menu 6-1-5)

You can adjust the volume of voice prompts guiding you through the procedure for voice dialling.

Storage (Menu 6-1-6)

This menu allows you to select the default memory for Voice Dial mode. When you initiate the mode, the phone recognises only the entries in the selected memory.

Edit Name (Menu 6-2)

Once you have stored Chinese names with numbers in Phonebook, they are automatically registered as voice dial entries.

In this menu, you can cancel or set the voice dial setting for each names.

1. When the list of the selectable entries in the default memory appears, press the Up or Down key to scroll to the name you want.

Note: You can change the list format by pressing the # key. Each time you press the key, the list shows names registered as voice dial entries, unregistered names, and then the whole selectable entries.

2. Press the * key to select or deselect the name.

The selected name can be dialled by voice command.

3. Repeat steps 1 and 2 for other entries.

4. When you are finished, press the C/Ⓜ or Ⓜ/Ⓜ key.



Settings

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

Sounds *(Menu 7-1)*

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

- ringer volume.
- key tone and voice volume.
- tone that sounds while using the phone's functions.
- tone that alerts you every hour on the hour.

Ringer Volume *(Menu 7-1-1)*

This menu allows you to adjust the ringer volume for the following items:

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

Note: You can adjust the volume using the Volume keys on the left side of the phone in Standby mode.

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

Alarm/Scheduler: allows you to adjust the ringer volume for alarm settings and the scheduler alarm.

Settings

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

Silent: The phone does not sound a ring.

1Beep: The phone sounds a beep.

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

Level 1 ~ 5: You can adjust the volume level. The graphic shows the volume level; the more bars, the louder the volume.

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

This menu allows you to select the tone that the phone sounds each time you press a key.

The following setting options are available:

Tone Volume: allows you to adjust the volume. The graphic shows the volume level; the more bars, the louder the volume. To turn the key tone off, select **Silent**.

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

Function Alert *(Menu 7-1-3)*

Your phone gives audible alerts (beeps) at a specified time to inform you that certain things have happened while using your phone.

Alert Tone

In this menu, you can select a tone for the function alerts.

Select one of the three alert tones.

Settings

You can turn on or off each alert.

Press the * key to place a check mark in front of the alert you want to turn on. You can select all alerts by pressing the # key.

Select/Saving: When this alert is selected, the phone sounds an alert when you save your selection or change a menu function.

Cancel/Warning: When this alert is selected, the phone sounds an alert when you cancel your selection or change when a confirming message appears.

Folder: When this alert is selected, the phone sounds an alert when you open or close the phone's folder.

Connect: When this alert is selected, the phone sounds a connect tone when your call is connected to the system.

Disconnect: When this alert is selected, the phone sounds a disconnect tone when a call is disconnected.

Power On/Off: When this alert is selected, the phone sounds an alert when you turn the phone on or off.

Manner Mode: When this alert is selected, the phone sounds an alert when you exit Silent mode.

Hour Alert *(Menu 7-1-4)*

You can set your phone to sound an alert every hour on the hour.

1. Enter the time period when the phone uses the hour alert using the number keypad.
2. Select the alert type, **Cuckoo** or **Voice**, using the Left and Right keys.
3. Select **Set** and press the **Save** soft key.

If you want to deactivate the hour alert, select **Cancel**.

Voice Volume *(Menu 7-1-5)*

This menu enables you to adjust the voice volume of the earpiece.

Press the Navigation keys or the Volume keys on the left side of the phone to adjust the volume. The graphic shows the volume level; the more bars you see, the louder the volume.

Note: During a call, you can adjust the volume using the Volume keys.

Display *(Menu 7-2)*

The Display feature enables you to:

- create your own greeting.
- set the length of time for the backlight.
- change the display language.
- set the current time and date.
- change the clock type for the external display.
- turn the service light on or off.
- adjust the contrast of the display.

Banner *(Menu 7-2-1)*

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

To change the banner:

1. If necessary, press the **C/⌫** key to clear the old message.
2. Enter a new banner message using the alphanumeric keys.

For more information about how to enter characters, see page 46.

3. When you finish entering the message, press the **OK** soft key to save it.

Backlight *(Menu 7-2-2)*

In this menu, you can select the length of time the backlight remains on.

After the last key is pressed or you open the folder, the backlight remains on for a specified period of time and then turns off if no keys are pressed. Remember that the backlight use drains your battery faster.

Language *(Menu 7-2-3)*

You can change the language of the menu display and key input. Select either or **English** or **中文**.

Set Time *(Menu 7-2-4)*

This menu allows you to set the current time and date. The following options are available:

Main Clock

The current time, if set, displays. In a service area, your phone automatically receives time information from the network.

1. Enter the current time and date using the number keypad.

The month, day, hour and minute must each be entered using 2 digits and the year requires all four digits.

Notes:

- You need to enter the time in 24-hour format.
- You can move through the input fields using the Left and Right keys.

2. When you are finished, press the **Save** soft key.

Dual Clock

You can choose two time zones to be displayed when you select **Dual Clock** for the wallpaper image (**Menu 5-2-3**); see page 108.

To select time zones for the dual clock:

1. When **Location** highlights, press the Down key.
2. Select the time zone for the left clock by pressing the Left or Right key and press the Down key.
3. Select the time zone for the right clock by pressing the Left or Right key.
4. Press the **Save** key.

To apply the daylight saving time:

1. When **Location** highlights, press the Left or Right key to display **Summer Time**. Press the Down key.
2. Select **On** to use the daylight saving time for the left clock. Otherwise, select **Off**.
3. Press the Down key and repeat step 2 for the right clock.
4. Press the **Save** key.

Ext.Clock (Menu 7-2-5)

You can change the type of clock to be shown on the external display in Standby mode.

Select one of the four options; **Digital** and **Analog1** through **Analog3**.

Contrast (Menu 7-2-6)

You can adjust the contrast of the display screen to see it better in different lighting conditions.

To adjust the display contrast:

1. Select either **Main LCD** or **Front LCD** and press the **Select** soft key.
2. Adjust the contrast by using the Left and Right keys. Each time you press the keys, you will see the status of the display.
3. When you are satisfied, press the **Select** soft key to save the selection.

Service LED (Menu 7-2-7)

The service light on the folder blinks to indicate the service status. In this menu, you can activate or deactivate the feature of the service light.

Auto Retry *(Menu 7-3)*

When this menu is set to **On**, your phone automatically redials the number when a connection fails.

Depending upon your location, the number of times your phone automatically redials the number may be different.

Auto Answer *(Menu 7-4)*

This feature is only used when the phone is connected to the ear-microphone. With this menu activated, the phone automatically answers calls after the specified length of time. This feature is useful while driving, for instance.


To activate this feature, select how long your phone waits before answering an incoming call.


When this menu is set to **Off**, the phone does not answer a call. If you do not answer the call, it is stored in the Missed call log; see page 71.


Answer Mode *(Menu 7-5)*

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

The following options are available:


By Send Key: The phone answers only when you press the  key.

By Folder Open: The phone answers when you open the folder. If the folder is already open, press the  key.


By Any Key: When the folder is open, you can press any key except for the  key, the soft keys and the Volume keys. When the folder is closed, you can answer the call by opening the folder.

Roam Option *(Menu 7-6)*

Roaming is a feature which is only relevant in areas where there are at least two cellular service providers having valid roaming agreements. Roaming allows you to register your phone on one of the networks, but use the facilities of the other if your own network is not available. This system priority feature allows you to programme your phone for optimum operation within or outside your home service area.

You should always check your phone's display because it will let you know when you're outside the service provider network and whether your phone is operating in another network; the Roaming icon () appears.

You have the following options which allows you to control the phone's roaming ability:

Home only: with this setting, you cannot roam. When your home system is not available, your call is not be connected and the No Service indicator () displays.

Automatic: your phone automatically searches for the first available one of all types of services, according to the Preferred Roaming List supplied by the service provider.

Security *(Menu 7-7)*

Your phone provides you with various security options, including a user-programmable lock code and special number features.

To access the **Security** menu, you must enter the 4-digit lock code. It is preset to "0000" at the factory.

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


In Lock mode, you cannot dial numbers, except for making an emergency call, or access menu options. The phone can receive incoming calls and messages, even though the phone is in Lock mode.

The following options are available:

Never: The phone remains unlocked.

On Power Up: The phone is automatically locked the next time you turn the phone on.

Now: The phone is immediately locked.

To place an emergency call in Lock mode, enter a programmed number and then press the  key. The phone recognises standard emergency numbers, such as 119, 110 or 120, and three numbers programmed in the **Emergency #** menu (**Menu 7-7-3**); see page 132.

To unlock the phone, press one of the soft keys and the Navigation keys and enter the 4-digit lock code. The phone is immediately unlocked.

Change Lock *(Menu 7-7-2)*

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 enter the code once again at the prompt.

Note: Your phone does not allow viewing of the lock code for security reasons. Be sure to write the lock code down or memorise it if you have changed.

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

Your phone provides the option of storing three emergency numbers. All of these numbers can be manually dialled at any time, even if your phone is locked or all of 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 the 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 120 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 the Up or Down key to select the number location and press the **Select** soft key.
2. Press the **C/ⓧ** key to clear the existing number.
3. Enter a new number and press the **Save** soft key.

Note: 119, 110 and 120 remain as emergency numbers, even if you change them on the Emergency # list.

To make an emergency call in Lock mode, simply enter one of the programmed emergency numbers and press the **↵** key.

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

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

The following options are available:

Standard: The phone uses a standard line for calls.

Enhanced: The phone makes and receives calls on an encrypted high security line.

Note: This feature may not be available in all areas. Contact your service provider for its availability and details.

Restriction (Menu 7-7-5)

This feature allows you to restrict the use of your phone.

The following options are available:

Outgoing: restricts all outgoing calls from your phone except emergency calls by standard emergency numbers, such as 119, 110 or 120, and the three programmed numbers on the Emergency # list (**Menu 7-7-3**).

Incoming: restricts all incoming calls.

Phonebook: restricts the access to your Phonebook. You cannot add a new entry.

When a confirming message displays, select **Yes** to restrict the calls or **No** to deactivate the restriction.

Clear Memory (Menu 7-7-6)

This menu allows you to erase your Phonebook entries in the UIM card or phone's memory. You can also erase all of the entries at one time.

The following options are available:

Card: clears all of the entries stored in the card.

Phone: clears all of the entries stored in the phone's memory.

All: clears all of the Phonebook entries.

When a confirming message displays, select **Yes** to clear the memory or **No** to cancel your selection.

Reset Phone (Menu 7-7-7)

Resetting the phone restores the default settings of all the user-selectable options.

When a confirming message displays, select **Yes** and press the **Select** soft key to confirm. The phone reboots, turning itself off and then back on, and returns to Standby mode.

Note: The UIM card and phone's memory cannot be reset.

Select **No** or press the **C/⌂** key to cancel your selection.

Card Setup (Menu 7-7-8)

In this menu, you can use the options for the UIM card.

PIN Check

When this feature is enabled, you must enter the PIN assigned to your UIM card each time you switch the phone on. Consequently, any person who does not have your PIN cannot use your phone without your approval. But emergency calls are available without the PIN code.

Note: Before disabling the PIN Check feature, you must enter your PIN.

Change PIN

This feature allows you to change the PIN of the UIM card to a new one, provided that the PIN Check feature (**MENU 7-7-8-1**) is enabled. You must enter the current PIN before you can specify a new one.

UIM Lock

When this feature is enabled, your phone only works with the current UIM card. To use a different card, you need to enter the UIM lock code.

Once you have entered the lock code, you are asked to confirm it by entering it again.

To unlock the UIM card, you must enter the UIM lock code.

Entry Method *(Menu 7-8)*

This menu allows you to select the default text input mode.

Select one of the four input modes, **T9 Word**, **ABC**, **Pinyin** and **Stroke**.

Data Option *(Menu 7-9)*

You may sometimes need to switch the network to another, according to the service status in your area. In this menu, you can select the network type you want.

If the network is not available with the current setting, try again after changing the option.

To set your phone to automatically select a network available, choose **Auto Selection**.



U-Max


This menu is supplied by your service provider. The contents available in each menu option may be different depending on the service provided. For further details, contact your service provider.

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

U-Info *(Menu 8-1)*

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 browser, the phone connects to the Wireless Web and the Service icon () appears on the display. Any time the 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.

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 **U-Info** menu (**Menu 8-1**) connects your phone to the Wireless Web.
2. When you are connected to the network, the home page or the last page you visited displays.

The home page content when accessing the web browser may be different according to your Wireless Web service provider.

3. To scroll through the screen, use the Up or Down key.

Exiting the Web Browser

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

Navigating the Web Browser

When you use the web browser, some keys on your phone operate differently than 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

You can act on the options or links by making use of the soft keys. The soft keys are located below the bottom line of the display.

Here's how the keys work in the web browser:



Left soft key: allows you to view the available options when held down.



Right soft key: allows you to select the highlighted item.



Up/Down Navigation keys: allow you to scroll up or down to select browser options. The currently selected option is indicated by a "▶". You can also use these keys to move the cursor when editing text.



Left/Right Cursor key: allows you to move the cursor to the left or right in a text entry.



End key: allows you to exit the Web Browser and return the phone to Standby mode.



Clear/Back 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.
- Removes entered text or numbers. When entering text, 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: allow you to scroll up or down one page.


Entering Text in the Web Browser

When prompted, you can enter letters, numbers or symbols same way as in Phone mode. See page 46 for more information about how to enter characters.

Using Links

Links have several purposes, including jumping to a different page, jumping to a different site, or even initiating a phone call from some sites. Links are shown inside of brackets ([]), and you can normally use the right soft key to select a link when it highlights.

Initiating a Phone Call During a Web Browser Session

You may initiate a phone call from the web browser when the site you are using supports this feature. The phone number may highlight and the right soft key appears as "Call." In most cases, you can also use the  key to dial the number. The browser connection ends when you initiate the call. After you finish the call, your phone returns to Standby mode.

Using Bookmarks

Bookmarks save you time by reducing the number of steps it takes to access a web page. You can bookmark many individual pages for easy access at a later time.

Creating a Bookmark

1. Go to the page that you want to mark.
2. Press and hold the left soft key. The Browser Menu list appears.

3. Select **Mark Site** and press the **OK** soft key.
4. If the page has a title, it is automatically used for the name of the bookmark. You can also change the bookmark name. Pressing the **Save** soft key saves the name and adds the page to your list of bookmarks.
5. A message appears confirming that the bookmark was added to the list. Press the **OK** soft key to return to the screen that you marked to resume navigation within the web browser.

The new bookmark is added to the bottom of your bookmark list.

Finding a Bookmark

1. From the Browser Menu list, select **Bookmarks**.
2. Select the bookmark you want to use and press the **OK** soft key.

Or, from the home page, press and hold the number associated with the bookmark on the bookmark list.

U-Mail *(Menu 8-2)*

In this menu, you can use U-MAIL service, which allows you to send or receive e-mail messages containing media items, such as sounds or images.

For further details, see page 96.

U-Magic *(Menu 8-3)*

In this menu, you can use various Brew applications. Accessing the **U-Magic** menu (**Menu 8-3**) connects your phone to the Wireless Web. The contents displayed in this menu may be different depending on the service plan of your service provider.

Select an option using the Left or Right key and press the  key.

For further details, contact your service provider.


UNI-INFO *(Menu 8-4)*

This menu is available only when you use a UTK UIM card that provides additional services. For further details, see your UTK UIM card instructions.

Camera

Using the camera module built into your phone, you can take photos of people or events while on the move. You can send photos to other people using a message or set a photo as a wallpaper image or an opening or closing image.

You can also record a video using the camera.

Note: You can quickly enter this menu by pressing the Camera key () on the right side of the phone in Standby mode.

CAUTION:


- Do not take photos of people without their permission.
- Do not take photos in a place where cameras are not allowed.
- Do not take photos in a place where you may interfere with another person's privacy.

Taking a Photo

The camera produces JPEG photos. You can take photos with the folder open or closed. When the folder is closed, you can use the external display.



Note: When you take a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

Taking a Photo With the Folder Open

1. In Standby mode, press and hold the  key on the right side of the phone.


The image to be captured appears on the display.

2. Adjust the image by aiming the camera module at the subject.

3. To	Press the
flip the image vertically	 key.
flip the image horizontally	 key.
zoom in or out	Left or Right key.
change the image brightness	Up or Down key.
use the options	Option soft key. See the next page.


Notes:

- When the resolution is set to **High**, changing the image size is not available.
- The image size of your photo can be different when you open it to on your PC using the PC link programme. To view the real image size, press the **0** key in Capture mode.

4. Press the **Capture** soft key or the  key to take the photo.

5. Press the **Save** soft key.


To discard the photo and go back to Capture mode, press the **Cancel** soft key.

6. Clear the default name using the  key, if necessary, and enter a photo name.

For further details about entering characters, see page 46.

7. Press the **OK** soft key.

The phone saves the photo in the **Photo Album** menu (**Menu 9-3**) and returns to Capture mode.

8. When you are finished, press the  key to return to Standby mode.


Using the Camera Options in Capture Mode

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

Video

Selecting this option switches the phone to Record mode. See page 149.

Self Timer

You can set the phone to take a picture at a predefined time. When you press the **Capture** soft key or the  key, the timer appears on the bottom line of the display and starts counting down.

Multi Shot

This option allows you to take successive action stills up to seven shots. Select the interval between shots, **Off**, **Short**, **Normal** or **Long**. After taking pictures, the phone automatically saves them.

Brightness

You can adjust the brightness of the image. When **Auto** is selected, the phone automatically determines the setting.


Fun Frame

This option allows you to use a frame with the photo. Press the Navigation keys to find the frame format you want to use.

Resolution



You can change the image resolution, **High**, **Medium**, **Full Screen** or **Low**.

Taking a Photo With the Folder Closed


1. When the folder is closed, press and hold the  key on the right side of the phone.


The image to be captured displays on the external display.

2. Adjust the image by aiming the camera module.

To use the options, press the  key until the option icon is selected. You can change the settings by pressing the  key. The following options are available:

 : allows you to flip the image vertically.

 : allows you to adjust the brightness of the image.

 : allows you to enlarge the image.

3. Press the  key to take the photo.

The phone saves the photo in the **Photo Album** menu (**Menu 9-3**) and returns to Capture mode.

Take Photo (Menu 9-1)

This menu allows you to take a photo.

Accessing this menu turns the camera on and the display switches to Capture mode. For further details about taking a photo, see page 145.

Record Video (Menu 9-2)

In this menu, you can record a video that is currently displayed on the camera screen and save it as a JPEG file.


To record a video:

1. Accessing the **Record Video (Menu 9-2)** menu turns on the camera at the top of the phone.

The image to be recorded appears on the display.


2. Adjust the image by aiming the camera at the subject.

3. To	Press the
flip the image vertically	▲ key.
flip the image horizontally	▼ key.
change the image size	Left or Right key.
change the image resolution	Up or Down key.
use the options	Option soft key. See the next page.


4. Press the **Capture** soft key or the  key to start recording.

5. When you are finished, press the **Stop** soft key.
Or, the phone automatically stops when the recording time expires.

6. Press the **Save** soft key.
To discard the video and go back to Record mode, press the **Cancel** soft key.

7. Clear the default name using the  key, if necessary, and enter a video name.
For further details about entering characters, see page 46.

8. Press the **OK** soft key.
The phone saves the video in the **Video Album** menu (**Menu 9-4**) and returns to Record mode.

9. When you are finished, press the  key to return to Standby mode.

Using the Camera Options in Record Mode

When you press the **Option** soft key in Record mode, the following options are available:

Picture

Selecting this option switches the phone to Capture mode. See page 146.

Voice REC.

You can set the phone to record the audio with the video.

Self Timer

You can set the phone to start recording at a predefined time. The timer appears on the bottom line of the display and starts counting down.

Brightness

You can adjust the brightness of the image. When the brightness is selected to **Auto**, the phone automatically determines the setting.

Photo Album *(Menu 9-3)*

In this menu, you can review the photos you have taken. By default, your phone displays the first photo you took on the full screen, Expand mode. Use the Left and Right keys to scroll through the photos.

To view the photos as a small images, press the **Thumbnail** soft key. In this mode, you can scroll through the photos by using the Navigation keys. To go back to Expand mode, press **Expand** soft key.

Using the Photo Options

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

Note: The available options are different depending on the current view mode, Thumbnail or Expand mode.

Send To

This option allows you to send the photo to another person's phone using the U-Mail service. For details about the service, contact your service provider.

Assign

This option allows you to set the photo as your wallpaper for the idle screen or an image to be displayed when you turn the phone on or off.

Rename

This option allows you to change the name of the photo.

Lock

This option allows you to lock the photo so that other people cannot access the photo without your lock code.

Erase

This option allows you to erase the photo.

Erase All

This option allows you to erase all of the photos.

Photo Info

This option shows you information about the current photo, such as the name, time and date when it was taken, image size and file format.

Slide Show

This option shows you the photos as a slide show.

Video Album *(Menu 9-4)*

In this menu, you can play the video files you recorded. When you access this menu, the still image of the first video displays.

To play a video:

1. Press the Left or Right key to scroll to the video you want to view.

You can use the Video options by pressing the **Option** soft key. See the next page.

2. Press the **Play** soft key to start playing the video.

3. To stop, press the **Stop** soft key or **C/⏏** key.
4. To return to Standby mode, press the **⏏** key.

Using the Video Options

Press the **Option** soft key on the Video Album screen to use the following options:

Rename

This option allows you to change the name of the video.

Lock

This option allows you to lock the video so that other people cannot access the video without your lock code.

Erase

This option allows you to erase the video.

Erase All

This option allows you to erase all of the videos.

Video Info

This option shows you information about the current video, such as the name, time and date when it was recorded, video size and file format.

Settings *(Menu 9-5)*

This menu allows you to change the default settings of the options for using the camera.

The following options are available:

Resolution: allows you to adjust the resolution of the image. You can select either **High(640*480)**, **Medium(320*240)**, **Full(128*160)** or **Low(128*96)**.

Fun Frames: allows you to use a frame with the photo. Press the Navigation keys to find the frame format you want to use.

Shutter Sound: allows you select the tone that sounds when you press the **Capture** soft key or the **⏏** key.

Quality: allows you to change the image quality. You can select either **Fine**, **Normal** or **Economy**.

Memory Status *(Menu 9-6)*

You can check the amount of the memory being used and the memory remaining for the Camera feature.

The display shows the total, free and used space.

Health and Safety Information

Battery Safety

Information about Batteries

Type	SLIM Battery (550 mA)	Standard Battery (770 mA)
Talk time	up to xx minutes	up to xx minutes
Standby time	xx to xx hours	xx to xx hours

(fully charged battery)

Standby time will be reduced in the following conditions:

- When you use the additional features on your phone such as writing and storing messages, playing games, connecting to the Internet, and so on.
- If you are frequently out of the service area.
- If you are out of the service area for a long period of time.
- If you use the phone out of the network's local service area.
- If you use the talk mode repeatedly.

Health and Safety Information

- The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the operation time for both talk mode and standby mode is reduced by about half, it is time to buy a new battery.

Precautions When Using Batteries

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge, the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.

- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime 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-circuiting.
- 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.

Health and Safety Information

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 to 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. Remember, it is a free call on your wireless phone!
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.

Health and Safety Information

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

Pacemakers

Pacemaker manufacturers recommend that a minimum 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 your phone off 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 your phone off 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 your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off 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 the phone off 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 the area below decks 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, proceed as follows:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 120 or any other official emergency number). 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 your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty 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 your phone off 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's.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use 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.

Health and Safety Information

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

Glossary

Air time - 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 Coder/Decorder - 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.

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.

SAMSUNG

SCH-X619 Quick Reference Card



173

BASIC OPERATION

Make a call	Phone number + ↵	Take a photo with the folder closed	hold Ⓜ + Ⓜ
End a call	Ⓜ / Close the folder	Record a video	Ⓜ + 2 + Capture/Ⓜ + Stop + Save + OK
Receive a call	↵ / Open the folder	Store a new number in the memory	<ul style="list-style-type: none"> • In the UIM card Phone number + Save + Name + OK + Save • In the phone's memory Phone number + Save + Name + OK + Save
Adjust the key tone volume	(in Standby mode) ▲/▼ on the left side		<ul style="list-style-type: none"> • In the phone's memory Phone number + Save + Name + OK + Save • In the phone's memory Phone number + Save + Name + OK + Save
Adjust the voice volume	(during a conversation) ▲/▼ on the left side		<ul style="list-style-type: none"> • In the phone's memory Phone number + Save + Name + OK + Save • In the phone's memory Phone number + Save + Name + OK + Save
Recall the last call	↵ twice		<ul style="list-style-type: none"> • In the phone's memory Phone number + Save + Name + OK + Save • In the phone's memory Phone number + Save + Name + OK + Save
Switch to Silent mode	(in Standby mode) Hold #		<ul style="list-style-type: none"> • In the phone's memory Phone number + Save + Name + OK + Save • In the phone's memory Phone number + Save + Name + OK + Save
Quickly change the call ring type	Hold * + Up/Down + Select		<ul style="list-style-type: none"> • In the phone's memory Phone number + Save + Name + OK + Save • In the phone's memory Phone number + Save + Name + OK + Save
Initiate voice dialling	Hold G /Open the folder + Say name + Follow prompts	Speed dial	<ul style="list-style-type: none"> • In the phone's memory Phone number + Save + Name + OK + Save • In the phone's memory Phone number + Save + Name + OK + Save
Take a photo with the folder open	Ⓜ + 1 + Capture/Ⓜ + Save + OK	- Card - Phone	<ul style="list-style-type: none"> • In the phone's memory Phone number + Save + Name + OK + Save • In the phone's memory Phone number + Save + Name + OK + Save
		Scan memories	<ul style="list-style-type: none"> • In the phone's memory Phone number + Save + Name + OK + Save • In the phone's memory Phone number + Save + Name + OK + Save

172

MENU TREE

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

1: Calls	1: Missed	5: Entertainment	1: Music Box
	2: Incoming		2: Image Box
	3: Outgoing		3: Games
	4: Erase Logs		4: Fun Box
	5: Air Time		5: MP3 Player
	6: Call Forward		6: Memory Status
	7: Call Waiting		
2: Phonebook	1: Find	6: Voice Dial	1: Configure
	2: Add	2: Edit Name	2: Edit Name
	3: Group Set	7: Settings	1: Sounds
	4: My Phone #		2: Display
3: Msg/U-Mail	1: Message		3: Auto Retry
	2: U-Mail		4: Auto Answer
4: Scheduler			5: Answer Mode
	1: View Month		6: Roam Option
	2: Jump To Date		7: Security
	3: Alarm Set		8: Entry Method
	4: Calculator	8: U-Max	9: Data Option
	5: Today		1: U-Info
	6: To Do List		2: U-Mail
	7: Memo Pad		3: U-Magic
	8: Countdown		4: UNI-INFO*
	9: World Time	9: Camera	1: Take Photo
			2: Record Video
			3: Photo Album
			4: Video Album
			5: Settings
			6: Memory Status

* Available depending on your UIM card

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