* Depending on the software installed or your service provider. some of the descriptions in this manual may differ from your phone.
* Depending on your country, your phone and accessories may appear different from the illustrations in this manual.

SAMSUNG ELECTRONICS

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

Printed in Korea
Code No.:GH68-08697A
English. 12/2005. Rev. 1.0

SCH-X939
User’s Manual

Important safety **precautions**

Failure to comply with the following precautions may be dangerous or illegal.

Use road safety at all times

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

Switch off the phone when refuelling

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

Switch off in an aircraft

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

Switch off the phone near all medical equipment

Hospitals or health care facilities may be using equipment that could be sensitive to external radio frequency energy. Follow any regulations or rules in force.

Interference

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

Be aware of 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.

Water resistance

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

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 calls

Key in the emergency number for your present location, then press [ ].

Keep your phone away from small children

Keep the phone and all its parts, including accessories, out of the reach of small children.

Accessories and batteries

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

- The phone could explode if the battery is replaced with an incorrect type.
- Dispose of used batteries according to the manufacturer's instructions.

Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see "Health and safety information" on page 57.

About this Guide

This User's Guide provides you with condensed information about how to use your phone. To quickly learn the basics for your phone, please refer to "Get started" and "Step outside the phone."

In this guide, the following instruction icons appear:

☑	Indicates that you need to pay careful attention to the subsequent information regarding safety or phone features.
▶	Indicates that you can get more information on the referenced page.
→	Indicates that you need to press the Navigation keys to scroll to the specified option and then select it.
[ ]	Indicates a key on the phone. For example, [↷]
< >	Indicates a soft key, whose function is displayed on the phone screen. For example, <**Menu**>

- **Camera**
  Use the camera module on your phone to take a photo.

Special features of your phone

- **Simple, sleek design with Intenna**
  Samsung's powerful intenna technology allows the best call quality without an annoying external antenna.

- **WAP browser**
  Access the wireless web to get up-to-the-minute information and a wide variety of media content.

- **FM radio**
  Listen to your favorite radio channels anytime, anywhere.

- **Get personal with photo caller ID**
  See who's calling you when the phone displays her or his own photo.

- **Alarm**
  Use your phone as an alarm clock to notify you of an impending event.

- **Calculator**
  Perform basic calculations and do currency conversions.

- **Phone Book**
  Store up to 1000 home,office, or cellular phone numbers for your contacts.

- **Area code**
  Look up national and international area code to call outside your region.

- **Calendar**
  Keep track of your daily, weekly, and monthly schedule.

- **Postcard**
  Create a postcard by combining a background image and a photo of your own handwriting.

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To access Menu mode, press <**Menu**> in Idle mode.

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Press [▶] in Idle mode.

Mobile web ▶ p.24

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Unpack

Make sure you have each item

Phone

Travel Adapter

Battery

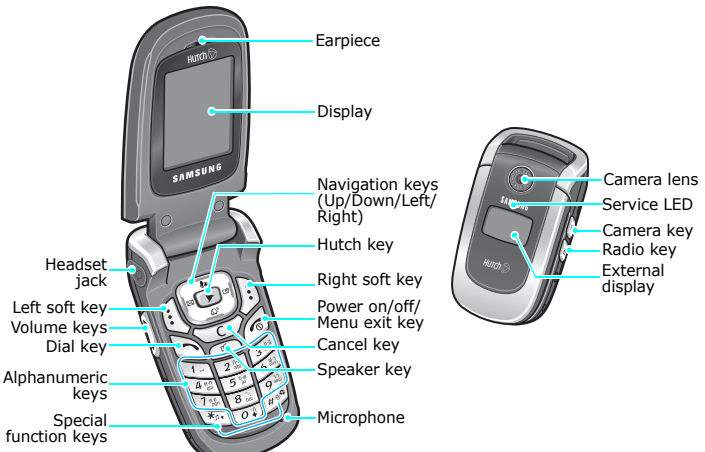
User's Manual

You can obtain various accessories from your local Samsung dealer.

The items supplied with your phone and the accessories available at your Samsung dealer may vary, depending on your country or service provider.

Your phone

Buttons, features, and locations



Get started

First steps to operating your phone

UIM card information

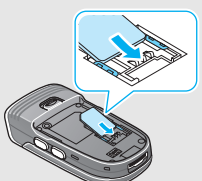
When you subscribe to a cellular network, you receive a plug-in UIM (User Identification Module) card loaded with your subscription details, such as your PIN, and available optional services.

Install and charge the phone

1 Remove the battery.

☑ If the phone is already on, first turn it off by holding [ ].

2 Insert the UIM card.



☑ Make sure that the gold-coloured contacts on the card face down into the phone.

3 Install the battery.

4 Plug the travel adapter into the phone.

5 Plug the adapter into a standard AC wall outlet.

6 When the phone is completely charged (the battery icon stops blinking), unplug the adapter from the power outlet.

7 Remove the adapter from the phone.

Low battery indicator

When the battery is low:

- a warning tone sounds,
- the battery low message displays, and
- the empty battery icon ( ) blinks.

If the battery level becomes too low, the phone automatically turns off. Recharge your battery.

Power on or off

Power on Do not turn on the phone when mobile phone use is prohibited.	1. Open the phone.
	2. Press [ ] to turn on the phone.
	3. If necessary, enter the PIN and press <**OK**>.

Power off	1. Open the phone.
	2. Press and hold [ ].

Keys and display

Key(s)	Description
	Perform the functions indicated on the bottom line of the display.
	In Idle mode, access the following menus directly. • [Up]: **Games** • [Down]: **Alarm** • [Left]: **Message**; access **Voice mail** when pressed and held. • [Right]: **Calendar** In Menu mode, scroll through the menu options.
	In Idle mode, access the **Mobile web** menu.
	Make or answer a call. In Idle mode, retrieve the last number dialled, missed, or received.

Key(s)	Description
	End a call. Hold down to switch the phone on and off. In Menu mode, cancel input and return the phone to Idle mode.
	Delete characters from the display. In Menu mode, return to the previous menu level.
	Enter numbers, letters, and some special characters. Hold [**0**] down to enter an international call prefix.
	Enter special characters. In Idle mode, hold [#] down to activate or deactivate Silent mode. Hold [*] down to access **Voice calls** of **Ringer**.
	In Idle mode, access the recent call log. Turn on the phone's speaker during a call.

Key(s)	Description
(on the left)	In Idle mode, with the phone open, adjust the keypad tone volume. During a call, adjust the earpiece volume. With the phone closed, hold down to turn on the backlight.
(on the right)	In Idle mode, access the **Camera** menu: hold down to turn the camera on. In Camera mode, take a photo.
(on the right)	With the phone closed, turn the radio on or off when held down.

Display

Layout

Icons
displays various icon.

Text and graphics
displays messages, instructions, and information you enter.

Soft key function indicators
show the current functions assigned to the two soft keys.

Icons

Received signal strength

Roaming

Call in progress

Out of your service area; you cannot make or receive calls

Restriction on

Lock mode

Icons
(continued)

- New message
- New voicemail
- New Web alert
- Urgent message
- Alarm set
- Ringer type setting ▸ p. 43
  - : Ringer only
  - : Silent
  - : 1 beep
  - : Vibration
  - : Vib. & ringer
  - : Vib. then ringer
  - : Ringer then vib.
- Silent mode ▸ p. 13
- Battery power level

Access menu functions

Use the soft keys

The roles of the soft keys vary depending on the function you have selected. The bottom line of the display indicates their current role.

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

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

Select an option	1. Press the appropriate soft key. 2. Press the Navigation keys to move to the next or previous option. 3. Press <**Select**>, <**OK**>, or <**Save**> to confirm the function displayed or option highlighted. 4. To exit, choose either of the following methods: • Press [**C**] to move up one level. • Press [ ] to return to Idle mode.

Use shortcuts	Press the number key corresponding to the option you want.
Use favourite features	You can set up a menu of your own using your favourite menu items, which can then be accessed by specific number keys. ▶ p. 17

Customize your phone

Display language

1. In Idle mode, press <**Menu**> and select **Display** → ภาษา /**Language**.
2. Select a language.

Call ringer melody

1. In Idle mode, press <**Menu**> and select **Sounds** → **Ringer** → **Voice calls**.
2. Press [Left] or [Right] to select a ringer category.
3. Press [Up] or [Down] to scroll to a ringer melody.
4. Press <**Play**> to listen to the ringer melody.
5. When you find the melody you want, press <**Save**>.

Idle mode Wallpaper

You can set a wallpaper for the idle screen using various pictures.

1. In Idle mode, press <**Menu**> and select **Display** → **Image box** → **Wallpaper**.
2. Select an image category.
3. Scroll to the image you want.
4. Press <**Select**>.

Silent mode

You can switch the phone to Silent mode to avoid disturbing other people.

Press and hold [#] in Idle mode.

Phone lock

You can protect the phone against unauthorised use with a phone password.

1. In Idle mode, press <**Menu**> and select **Settings** → **Security**.
2. Enter the default password, **00000000**.
3. Select **Change lock**.
4. Enter a new 4- to 8- digit password.
5. Enter the new password again.
6. Select **Phone lock**.
7. Select **On** or **Once**.

Make/Answer calls

Make a call

1. Enter an area code and phone number.
2. Press [ ].
3. To end the call, press [ ].

Answer a call

1. When the phone is ringing, press [ ].
2. To end the call, press [ ].

Adjust the volume during a call

Press [▲/▼].

Use the speaker during a call

1. Press [ ] to turn the speaker on.
2. To turn it off, press [ ] again.

Step outside the phone

Begin with your camera, WAP, and other special features

Use the camera

Take a photo

1. Open the phone.
2. In Idle mode, press and hold [ ] to turn on the camera.
3. Aim the camera lens at the subject to adjust the image.
4. Press <**Capture**> to take a photo.
5. Press <**Save**>.
6. Enter a name for the photo and press <**OK**>.

View a photo

1. In Idle mode, press [ ] and select **My album**.
2. Select **Single** or **Multi**.
3. Select a photo you want.

Browse WAP

Using a built-in WAP (Wireless Access Protocol) browser, you can get easy access to the wireless web to receive a variety of up-to-the-minute information and services, and to enjoy downloads of web contents.

Launch the browser

1. In Idle mode, press [ ].
2. Select **Wap**.

Navigate the Web

- To scroll through browser items, press the Navigation keys.
- To select an item, press < >or <**OK**>.
- To return to the previous page, press [**C**].
- To return to the homepage, hold down [**C**].

Use Contacts

Add an entry

To the phone's memory:

1. In Idle mode, enter a phone number and press <**Save**>.
2. Enter a name and press <**OK**>.
3. Press <**Phone**> and select a number type.
4. Specify the contact information: Home, Office, Mobile, Pager, Fax, E-Mail1, E-Mail2, URL, ETC, Default number, Group, Ringer, and Image.
5. Press <**Save**> to save the entry.

To the UIM card:

1. In Idle mode, enter a phone number and press <**Save**>.
2. Enter a name and press <**OK**>.
3. Press <**Save**> to save the entry.

Find an entry

1. In Idle mode, press <**Find**>.
2. Select an entry.
3. Select a number and press [ ] to dial, or <**Options**> to access options.

Send/View messages

Send a text message

1. In Idle mode, press <**Menu**> and select **Message** → **New message**.
2. Enter the message text and press <**OK**>.
3. Select **Save & Send** or **Send only** or **Save only**.
4. Enter destination numbers.
5. Press <**Send**> to send and/or save the message.

View a text message

When a notification appears:

Press <**Select**>. The message displays.

From the Inbox:

1. In Idle mode, press <**Menu**> and select **Message** → **Inbox** → **Phone** or **Card**.
2. Select a message.

Access voice mails

When a notification appears:

1. Press [ ]. The phone dials the voicemail center.
2. Follow the instructions from the system.

Access voice mail in Idle mode:

1. In Idle mode, press and hold [Left] to dials the voicemail center .
2. Follow the instructions from the system.

Use favourite features

Set up favourite item access

1. In Idle mode, press and hold <**Menu**>.
2. Select a location and press <**Options**>.
3. Select **Register**.
4. Select the menu you want.

   Press <**Select**> to access sub menus.
5. Press <**Regist**>.
6. Select an icon for the item.
7. Press <**Save**>.

Access a favourite item

1. In Idle mode, press and hold <**Menu**>.
2. Press the number key corresponding to the item you want.

Enter text

Matrix, Thai T9, Thai MT, ABC, T9 Word, Number, and Symbol mode

You can enter text in some features, such as Messages, Contacts, or Calendar, by using Matrix, Thai T9, and Thai MT modes for Thai characters, and ABC and T9 Word modes for English. You can also enter numbers and symbols.

Matrix mode

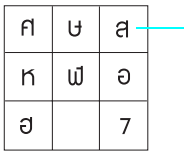
This mode allows you to enter individual Thai characters.

Entering a word in Matrix mode

1. Press a key on the keypad.

   The pop-up window appears showing the characters assigned to the keypad.
2. Press [Up] or [Down] to display additional character sets.
3. Press the number key corresponding to the character you want.

   For example, press [**7**] to enter ฦ. The following pop-up window appears.



Other Matrix mode operations

- Press [∗] to switch to Symbol mode.
- Press [**1**] to enter a space or punctuation marks.
- Press [Left] or [Right] to move the cursor.
- Press [**C**] to delete letters one by one. Press and hold [**C**] to clear the display.

Using Thai T9 Mode

This mode allows you to enter Thai characters using the T9 input mode.

Entering a word in Thai T9 mode

1. Press [**2**] to [**9**] to start entering a word. Press each key only once for each character.

   For example, press [**7**], [**5**], [**9**], and [**6**] to enter ฉนาม.
2. Enter the whole word before editing or deleting characters.

   If the word is not correct, press [Down] one or more times to display alternative word choices. The phone displays the most commonly used choice first.
3. Press [**1**] to enter a space, and enter the next word.

Other Thai T9 mode operations

- Press [**1**] to enter a space.
- Press [∗] to switch to Symbol mode.
- Press [Left] or [Right] to move the cursor.
- Press [**C**] to delete letters one by one. Press and hold [**C**] to clear the display.

Using Thai MT Mode

Press the appropriate key until the character you want displays.

For example, press [**7**] three times to display ฉ and [**5**] three times to display ป.

Other Thai T9 mode operations

- The cursor moves to the right when you press a different key. When entering the same letter twice or a different letter on the same key, just wait for a few seconds for the cursor to move to the right automatically, and then enter the next letter.
- Press [**1**] to enter a space or punctuation marks.
- Press [∗] to switch to Symbol mode.
- Press [Left] or [Right] to move the cursor.
- Press [**C**] to delete letters one by one. Press and hold [**C**] to clear the display.

Using 123 mode

123 mode enables you to enter numbers. Press the keys corresponding to the digits you want.

Using Symbol mode

Symbol mode enables you to enter symbols.

1. Press [Left] or [Right] to display more symbol sets.
2. Press the key corresponding to the symbol you want.

Using ABC mode

Press the appropriate key until the character you want appears on the screen.

Key	Characters in order displayed	
	Upper case	Lower case
1	! ? . , @ * < > - _ + = : ” ’ ( ) / \ & # % { } $ [ ] ; ^ ~ ฿ ๆ 1	
2	A B C 2	a b c 2
3	D E F 3	d e f 3
4	G H I 4	g h i 4
5	J K L 5	j k l 5
6	M N O 6	m n o 6
7	P Q R S 7	p q r s 7
8	T U V 8	t u v 8
9	W X Y Z 9	w x y z 9
0	0	

Other ABC mode operations

- To enter the same letter twice or to enter a different letter on the same key, wait for the cursor to move to the right automatically, or press [Right]. Then, enter the next letter.
- Press [**1**] to enter a space or punctuation marks.
- Press [∗] to change case.

  Lower case (∗**abc**), Initial capital (∗**Abc**), and Capital lock (∗**ABC**) are available.
- Press the Navigation keys to move the cursor.
- Press [**C**] to delete characters one by one. Press and hold [**C**] to clear the entire display.

Using T9 Word mode

T9 is a predictive text input mode that allows you to key in any character using single keystrokes.

Entering a word in T9 Word mode

1. Press [**2**] to [**9**] to start entering a word. Press each key once for each letter.

   Example: Press [**4**], [**3**], [**5**], [**5**], and [**6**] to enter *Hello*.

   T9 predicts the word that you are typing, and it may change with each key that you press.
2. Enter the whole word before editing or deleting the characters.
3. When the word displays correctly, go to step 4. Otherwise, press [**0**] to display alternative word choices for the keys that you have pressed.

   For example, *Of* and *Me* use [**6**] and [**3**].
4. Press [**1**] to insert a space and enter the next word.

Othe T9 Word operations

- Press [**1**] to enter a space.
- Press [∗] to change case.

  Lower case (∗**T9 word**), Initial capital (∗**T9 Word**), and Capital lock(∗**T9 WORD**) are available.
- Press the Navigation keys to move the cursor.
- Press [**C**] to delete characters one by one. Press and hold [**C**] to clear the whole display.

Advanced calling features

Making a call

1. In Idle mode, enter the area code and phone number.
2. Press [ ].

- Press [**C**] to clear the last digit or press and hold [**C**] to clear the whole display.
- Press <**Pause**> to enter a pause between numbers.

Redialling recent numbers

1. In Idle mode, press [ ] to display the list of recent numbers.
2. Scroll to the number you want and press [ ].

Making a call from Contacts

Once you have stored a number in Contacts, you can dial the number by selecting it from Contacts. ▶ p. 29

Ending a call

Close the phone or press [ ].

Answering a call

When you receive an incoming call, the phone rings and displays the incoming call image.

Press [ ] to answer the call.

Tips for answering a call

- Depending on the setting in the **Answer mode** menu, you can press any key, except for [ ], the soft keys, and [▲/▼], to answer a call. ▶ p. 52
- Press <**Reject**> or [ ] to reject a call. You can also press and hold either of [▲/▼].
- Press <**Silence**> or [▲/▼] to mute the ringer.

Viewing missed calls

If you have missed calls, the screen displays the number of the calls and the phone number of the last call.

Press [ ] to dial the displayed number.

Using the headset

Use the headset to make or answer calls without holding the phone.

Connect the headset to the jack on the left side of the phone.

The buttons on the headset work as listed below:

To	Press
redial the last call	the button twice.
answer a call	and hold the button.
end a call	and hold the button.

Options during a call

You can access a number of functions during a call.

Adjusting the volume during a call

Use [/] to adjust the earpiece volume during a call.

Press [ ] to increase the volume and [ ] to decrease the volume.

Using the speakerphone feature

You can use your phone as a speakerphone. Using the phone's speaker, you can talk and listen with the phone a short distance away.

Press [ ] to turn the speakerphone feature on or off.

Answering a second call

If you have subscribed to call waiting, you can answer another call during a call.

1. Press [ ] to answer a second call. The first caller is placed on hold and you are connected with the second caller.
2. Press [ ] again to switch between the calls.

Making a three-way call

If you have activated three-way calling service, you can have a conversation with two people simultaneously.

1. During a call, press [ ] and make another call. The first caller is placed on hold.

2. Press [ ] to begin the three-way call.

Using Contacts

Press <**Find**> to search for entries in Contacts.

Using In-call options

Press <**Options**> during a call to access the following options:

- **Voice mute**: switch off your phone's microphone, so that the other person cannot hear you.
- **Key mute**: mute the DTMF (Dual-Tone Multi-Frequency) tones of the keys. This allows you to press keys without hearing annoying key tones during a call.
- **Calls**: access the **Calls** menu. ▶ p. 27
- **Contacts**: access the **Contacts** menu. ▶ p. 29
- **Send my #**: send your phone number to the calling person or to automated services.
- **DTMF length**: manipulate the audible DTMF tones.

Menu functions

All menu options listed

Mobile web

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

To access this menu, press [ ] in Idle mode.

Wap *(-1)*

Your phone comes equipped with a Wireless Application Protocol (WAP) browser which makes it possible for you to access the wireless web. Using the WAP browser, you can access up-to-date information and a wide variety of media content, such as wallpapers, ringtones, and music files.

Selecting the **Wap** menu launches the WAP browser and accesses the homepage of your service provider.

Navigating websites

To	Press
scroll through browser items	the Navigation keys.
scroll page by page	[▲/▼].
select an item	<✓> or <**OK**>.
return to the previous screen	[**C**].
return to the homepage	[**C**] and hold.

Using browser menu options

While navigating websites, you can use various options. To access the Browser Menu list, press <**Menu**> and select **Menu**.

- **Home**: send you back at any time to your startup homepage.
- **History**: display the records of your connection to the Wireless Web.
- **Bookmarks**: display the Bookmarks list.
- **PUSH Message**: display the WAP push messages received from the server.
- **Reload**: refresh the current web page with updated information.
- **Go To URL**: manually enter the URL address of a web page.
- **Snapshots**: take a snapshot of the current web page.
- **Save Items**: save the image on the current WAP page.
- **Show URL**: display the URL address of the site where you are currently connected.
- **Exit**: exit the WAP browser.
- **Advanced...**: customise further options.

  Restart Browser: restart the WAP browser without exiting it.

  Delete Cookies: delete all cookies and files. A cookie is a record of a user's information that is stored on the phone when you visit a website.

  Homepage: change the startup homepage. If you clears the URL, the default homepage is restored.

  Multimedia: enable or disable auto download of media objects, such as images or background sound on a web page.

Scroll Mode: select a scroll mode, and/or set the scroll speed.

Send Referrer: set the browser to send HTTP referrer information to the web server each time the browser is launched.

Connection Timeout: set how long the phone remains connected to the current web page when you don't use the web page for a specified period.

Key Press Timeout: set how long the phone waits after you have pressed a key in the text entry mode before moving the cursor to the right.

Security: set up all of security information.

Restore default value: restore the default settings for the Advanced feature.

- **Clear Memory**: clear information stored in the History list, the cache, and the Auto Fill form. Also deletes cookies.
- **About...**: view the WAP browser certificate information and version.

Exiting the browser

Press [ ] to end the network connection and exit the browser.

PlayRoom *(-2)*

Use this menu to download and use various Brew applications.You can also view help information.

Downloading an application

1. When the **PlayRoom** icon is highlighted, press [ ].
   - **Catalog**: browse and purchase items.
   - **Search**: search for an application by entering a keyword.
   - **PlayRoom Help**: get help information for using the **PlayRoom** menu.
2. Press [ ] when the **Catalog** option is highlighted. You are sent to the associated website preset by your service provider and you can browse the available applications.
3. Select the application you want and follow the onscreen instructions to download it.

Changing the browser settings

1. Select the **Settings** icon.
2. Select a setting option.

- **Order Apps**: change the list order of the downloaded applications.
- **Move Apps**: move an application to another folder.
- **Manage Apps**: check the amount of memory used for downloaded applications.
- **Main Menu View**: change the view mode of the main menu screen.
- **Screen Savers**: activate the Screen Saver application, if downloaded.
- **View Log**: show the records of your browsing.

Viewing help information

1. Select the **Help** icon.
2. Select a help item.
3. Press [Up] or [Down] to scroll through help information.
4. Press [ ] to go back to the main help screen.

Calls *(Menu 1)*

Use the **Calls** menu to access call logs, view the duration of calls, and set options for call functions.

To access this menu, press <**Menu**> in Idle mode and select **calls**.

Missed *(Menu 1-1)*

This menu displays the most recently received calls that you did not answer.

Accessing a call record

1. Select a call.
2. Press [ ] to dial the number, or <**Options**> to access call record options.

Using call record options

Press <**Options**> on the call list or details view to access the following options:

- **Save**: save the number to Contacts.
- **Edit**: edit the number to dial or save it.
- **Erase**: erase the call record.
- **Erase all**: erase all call records.

Incoming *(Menu 1-2)*

This menu displays the most recent calls you have received.

Outgoing *(Menu 1-3)*

This menu displays the most recent calls you have dialled.

Air time *(Menu 1-4)*

This menu displays the time log for calls you have made or received. Actual time invoiced by your service provider will vary.

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

- **Last call**: check the air time of the last call.
- **Total**: check the number of all voice calls and data calls and the total duration of the calls.
- **Erase total**: erase the air time measurement and resets the air time counter.
- **Life time**: check the number and total duration of all calls since the phone was shipped from the factory.

Call forward *(Menu 1-5)*

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

☑ Contact your service provider to check this service's availability.

To set forwarding options:

1. Select a type of call forwarding.
   - **All Calls**: all incoming calls are forwarded.
   - **No answer**: calls are forwarded if you do not answer the phone.
   - **Busy**: calls are forwarded if your line is busy.
2. Select **Enable**. To deactivate, select **Disable**.
3. Enter a phone number to which calls are forwarded and press <**Send**>.

Call waiting *(Menu 1-6)*

This network feature alerts you of incoming calls while you are on the phone.

When this feature is enabled, you can respond to an incoming call by pressing [↘] while you are on the phone. This puts the first caller on hold and answers the second call.

Area code *(Menu 1-7)*

Use this menu to look up a national or international area code. You can add the area code to a phone number and call outside of your region.

1. Select **Domestic** or **International**.
2. Press [Left] or [Right] to select a search method.
3. Select a by city, by province, or by country.
4. If you selected a province or country, select one of the cities that belong to the selected area and press <**Dial**>.
5. When the area code of the selected city appears on the Dialling mode screen, enter the rest of the phone number you want.
6. Press <**Save**> to save the number to Contacts, or [↘] to dial it.

Call reject *(Menu 1-8)*

Use this menu to make a list of the phone numbers from which you do not want to accept calls.

Int'l call prefix *(Menu 1-9)*

Use this menu to set a international call prefix.

Enter an international call service number press <**Save**>.

The number displays when you press and hold [**0**] in Idle mode.

Contacts *(Menu 2)*

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

To access this menu, press <**Menu**> in Idle mode and select **Contacts**.

Find *(Menu 2-1)*

Use this menu to find an entry using a person's name, entry number, group name, or memory location.

☑ You can quickly access this menu by pressing <**Find**> in Idle mode.

Finding an entry

1. Press [Left] or [Right] to select a search method.
2. Enter the first few letters of the name you want or the entry number, or select a memory location or a caller group.
3. Scroll to the entry you want.
4. Press [ ] to dial the entry's default number, or press <**OK**> to access the entry.

Using Contacts options

While viewing details of an entry, press <**Options**> to access the following options:

- **Edit**: edit the contact information for the entry.
- **Copy**: copy the selected number to another memory location.
- **Erase**: erase the entry. If you select a number, only the number is erased.

While viewing the Contacts list, press <**Options**> to access the following options:

- **Edit**: edit the contact information for the entry.
- **Erase**: erase the entry.
- **Add new**: add a new entry to Contacts. You can create a new entry or add it to an existing entry.

Add *(Menu 2-2)*

Use this menu to add a new entry to Contacts.

In the phone's memory, a name can contain up to 5 numbers in different categories: Home, Office, Mobile, Pager, and Fax. You can save only a single number with a name in the card's memory.

Adding a new entry

1. Enter a phone number and press <**Save**>.
2. Select **New entry**.

3. Enter a name and press <**OK**>.
4. To save the entry in the card, skip to step 6.

   To save the entry in the phone's memory, press <**Phone**> and select a number type.
5. Change the settings or enter more information.
   - **Home**/**Office**/**Mobile**/**Pager**/**Fax**: add a number for each category.
   - **E-mail1**/**2**: press <**Edit**> and enter an e-mail address.
   - **URL**: press <**Edit**> and enter a URL address.
   - **ETC**: press <**Edit**> and add a memo about the entry.
   - **Default number**: select a default number.
   - **Group**: select one of the default relationship groups, where the entry is to be added.
   - **Ringer**: press <**Edit**> and select a unique ringer melody for the entry.
   - **Image**: press <**Edit**> and assign one of the default icons as a caller ID image.
6. When you have finished, press <**Save**> to save the entry.

Adding information to an existing entry

1. Enter a phone number and press <**Save**>.
2. Select **Find**. The list of contacts stored in the phone's memory is displayed.
3. Select an entry.
4. Select a number type to be added to the existing entry.
5. Enter more information.
6. When you have finished, press <**Save**>.
7. Select **Yes** to save the entry.

Group settings *(Menu 2-3)*

Use this menu to set up a caller group list.

Adding a new group

1. When **No Group** is highlighted, press <**Add**>.
2. Enter a name for the group and press <**OK**>.

Managing a group

Press <**Options**> to access the following options:

- **Edit**: edit the name for the group.
- **Erase**: erase the selected group.
- **Add new**: add a new group.

My phone # *(Menu 2-4)*

Use this menu to view and edit your phone number.

To edit your phone number:

1. Press <**Edit**>.
2. Enter your phone number and press <**Save**>.

Copy&Erase *(Menu 2-5)*

Use this menu to copy Contacts entries from the phone's memory to the card, or vice versa. You can also erase your Contacts entries.

Copying Contacts entries

1. Press [Left] or [Right] to select the memory you want.
2. Scroll to an entry and press <**Check**> to check the entry you want to copy to the other memory.

   To check all entries at one time, press <**Options**> and select **Check all**.
3. Press <**Options**> and select **Copy**.
4. Select **Yes** to confirm the copy.

Erasing Contacts entries

1. Press [Left] or [Right] to select the memory you want.
2. Scroll to an entry and press <**Check**> to check the entry you want to erase.

   To check all entries at one time, press <**Options**> and select **Check all**.
3. Press <**Options**> and select **Erase**.
4. Select **Yes** to confirm the deletion.

Memory info *(Menu 2-6)*

Use this menu to view the number of contacts you have stored and you can further store in Contacts. You can also view the total memory available for Contacts in the phone's memory and the UIM card.

Camera *(Menu 3)*

Using the camera module built into your phone, you can take photos of people or events while on the move. You can also take photos for postcards.

To access this menu, press <**Menu**> in Idle mode and select **Camera**, or press [ ].

- 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.

Take photo *(Menu 3-1)*

Use this menu to take a single photo , a series of photos. The camera produces JPG photos.

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

Taking a photo with the phone open

1. Access the **Take photo** menu or press and hold [ ] in Idle mode.

   The camera turns on and the image to be captured displays.
2. Press [**1**] to select the camera mode until the mode icon you want appears:
   - Single ( ): take a photo.
   - Serial ( ): take a serial of action stills.
   - Divided ( ): take several stills and save them in one frame. Multiple stills will be saved as a single image.
   - Postcard ( ): take a photo for a background image and another of your handwritten text and create a postcard. ▶ p. 36
3. Adjust the image by aiming the camera lens at the subject.
   - When you press <**Options**>, you can use the camera options. ▶ next section
   - You can change the image settings by using the keypad. ▶ p. 35
4. Press <**Capture**> or [ ] to take the photo.

When you are taking serial shot images, the camera takes photos successively.

5. Press <**Save**> to save the photo.
6. Enter a name for a photo and press <**OK**>

   The phone saves the photo(s) in the **My album** folder and returns to Capture mode.

Using options in Capture mode

When you press <**Options**> in Capture mode, the following options are available for the current shot:

☑ Some camera options vary, depending on the camera mode you have selected.

- **Capture mode**: change the camera mode.
- **Preview layout**: set whether or not the camera icons are displayed in Capture mode.
- **Photo size**: select an image size.
- **Quality**: select an image quality setting.
- **Preview mode**: select the default preview mode.

  Crop view: the phone shows the image on the full screen. The left and right parts of the image to be captured is cropped.

  Actual ratio: the phone shows the image in actual ratio.
- **White balance**: adjust the colour balance of the photo. You can make your photo appear warmer or cooler.
- **Fun frames**: add a decorative frame to the photo.
- **Photo effect**: change the colour tone or apply a special effect to the photo.
- **Self timer**: set a time delay before the phone takes a photo.
- **No. of shots**: select the number of shots for Serial mode.
- **My album**: display the photos saved in the **My album** folder.
- **Shutter mode**: set whether the phone takes shots automatically or you must press the shutter, [ ], for each shot in Serial or Divided mode.

Using the keys in Capture mode

You can use the keys to customise your camera settings when you are in Capture mode.

Key	Function
Left/ Right	Zooms in or out. (unavailable for 640*480 resolution)
Up/ Down	Changes the image brightness.
1	Changes the camera mode.
2	Hides or displays the camera icons.
3	Changes the image size. (unavailable for Serial mode or Divided mode)
4	Changes the image quality.
5	Changes the preview screen.

Taking a photo with the phone closed

1. When the phone is closed, press and hold [ ]. The image to be captured displays on the external display.
2. Adjust the image by aiming the camera at the subject.
3. Press [ ] to take a photo. The photo is automatically saved in the **My album** folder.

My album *(Menu 3-2)*

Use this menu to review the photos you have taken.

Viewing a photo

1. Select **Single** or **Multi**.
2. Scroll to the photo you want to view.
3. Press <**Expand**> to view the image on the full screen.
4. Press <**Multi**> to return to the thumbnail images.

Using photo options

When you press <**Options**>, you can access the following options:

- **Make postcard**: create a postcard with the selected photo and newly taken photo.
- **Photo studio**: access the **Photo studio** menu.
- **Assign**: set the photo as your wallpaper for the idle screen.
- **Rename**: change the file name.

  ☑ Do not use special characters, such as /, :, *, ?, <, >, or \.

- **File info**: display information about the photo.
- **Lock**: lock the photo so that other people cannot access it without your lock code, or unlock the photo.
- **Erase**: erase the photo.
- **Erase all**: erase all photos.

Make postcard *(Menu 3-3)*

Use this menu to take photos for postcards. You can take a photo for a background image and another of your handwritten text and create a postcard using them. The photo of your text will be added in the foreground.

Taking a photo for a postcard

1. Aim the camera lens at the image to be used as the postcard background.
2. Press <**Capture**> or [📷] to take the first photo and press <**Next**> .
3. Aim the camera lens at your handwritten text.
4. Press <**Extract**> or [📷] to take the second photo.

   The photo of your text is superimposed on the background image and displayed.
5. Press <**Options**> to edit the postcard using the following options:
   - **Ink color**: change the color tone of the postcard.
   - **Shadow**: apply a shadow effect to the postcard.
   - **Rotate**: rotate the postcard.
   - **Zoom**: zoom in or out.
   - **Move**: move the postcard.

6. Press <**Save**> to save the postcard.
7. Enter a name for a photo and press <**OK**>.

   The phone saves the photo(s) in the **My album** folder and returns to Capture mode.

Photo studio *(Menu 3-4)*

The Photo studio is a great tool for managing photos. Use this menu to add a decorative frame and to apply a special effect to photos.

Add frame *(Menu 3-4-1)*

You can add a decorative frame to photos you have taken. You can also take a new photo and add a frame.

Adding a frame to a new photo

1. Select **New photo**.
2. Press [Left] or [Right] to select a frame.
3. When you find the frame you want, press <**Select**>.
4. Press <**Capture**> to take a photo.
5. Press <**Save**> to save the photo.
6. Enter a name for a photo and press <**OK**>.

Adding a frame to a saved photo

1. Select **Saved photo** and select a photo from the **My album** folder.
2. Press [Left] or [Right] to select a frame.
3. Press <**Save**> to save the photo.
4. Enter a name for the photo and press <**OK**>.

Photo effect *(Menu 3-4-2)*

You can apply a special effect to photos you have taken. You can also take a new photo and apply it to an effect.

Applying a special effect to a new photo

1. Select **New photo**.
2. Press [Left] or [Right] to select a special effect.
3. When you find the effect you want, press <**Select**>.
4. Press <**Capture**> to take a photo.
5. Press <**Save**> to save the photo.
6. Enter a name for a photo and press <**OK**>.

Applying a special effect to a saved photo

1. Select **Saved photo** and select a photo from the **My album** folder.

2. Press [Left] or [Right] to select a special effect.
3. Press <**Save**> to save the photo.
4. Enter a name for the photo and press <**OK**>.

Settings *(Menu 3-5)*

Use this menu to change the default settings for the options when using the camera.

- **Sound**: select a sound for the shutter, [ ].
- **Reset**: reset your camera settings to their default status.
- **Auto save**: save the photos automatically after taking photo and don't need to assigh a name.
- **Album lock**: protect other people from accessing your photo album.
- **Preview mode**: select the default preview mode:

  Crop view: the phone shows the image on the full screen. The left and right parts of the image to be captured is cropped.

  Actual ratio: the phone shows the image in actual ratio.

Display *(Menu 4)*

The **Display** menu enables you to change various settings for the display and the lights.

To access this menu, press <**Menu**> in Idle mode and select **Display**.

Image box *(Menu 4-1)*

Use this menu to change the background image to be displayed in Idle mode or when the phone is turned on or off.

1. Select the item for which you want to change the image.
   - **Power on**: select an image to be displayed when the phone turns on.
   - **Power off**: select an image to be displayed when the phone turns off.
   - **Wallpaper**: select an image to be displayed in Idle mode.
2. Select an image category.
3. Scroll to the image you want and press <**Select**>. if you select photo, press <**Select**>.

Banner *(Menu 4-2)*

Use this menu to set a banner message to be displayed at the bottom of the display in Idle mode.

Backlight *(Menu 4-3)*

Use this menu to select the length of time the backlight remains on.

Set time *(Menu 4-4)*

Use this menu to set the current time and date or set up the time zones for the Dual Clock wallpaper.

Main clock *(Menu 4-4-1)*

You can set the current time and date.

Enter the time in 24-hour format and the date in the following order: year, month, and day.

Dual clock *(Menu 4-4-2)*

You can choose two time zones to be displayed when you select **Dual clock** for the wallpaper image.

Selecting time zones for the dual clock

1. Press [Left] or [Right] to select **Location** on the upper line and press [Down].
2. Press [Left] or [Right] to select the time zone for the up clock and press [Down].
3. Press [Left] or [Right] to select the time zone for the down clock.
4. Press <**Save**>.

Applying Daylight Savings Time

You can apply daylight savings time to each clock.

1. Press [Left] or [Right] to select **DST** on the upper line.
2. Scroll to the clock to which you want to apply daylight savings time.
3. Press [Left] or [Right] to select **On**.
4. Press [Left] or [Right] to select **On**.
5. Press <**Save**>.

Contrast *(Menu 4-5)*

Use this menu to adjust the brightness of the main display or external display.

ภาษา/Language *(Menu 4-6)*

Use this menu to change the language of the display.

Dialing font *(Menu 4-7)*

Use this menu to select the font color when entering a phone number for dialing.

Message *(Menu 5)*

Use the **Message** menu to send or receive text messages. You can also use the voice mail and web alert features.

To access this menu, press <**Menu**> in Idle mode and select **Message**.

New message *(Menu 5-1)*

Use this menu to create text messages and send them to multiple mobile phones.

1. Enter the message text and press <**OK**>.
2. Select one of the following saving options:

   Save & Send: save a copy of the message and then sends the message.

   Send only: send the message. The message will be deleted after sending.

   Save only: save the message so that it can be sent later.
3. Enter a phone number or press <**Find**>.

   To send the message to multiple destinations, press [Down] and enter additional numbers.
4. When you have finished, press <**Send**> to send and/or save the message.

Inbox *(Menu 5-2)*

Use this menu to access messages you have received.

Viewing received text messages

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

Press <**Select**> to view the message immediately.

When you access **Phone** or **Card** in the **Inbox** menu, a list of the received messages displays. The following icons on the message list indicate the messages' status:

- : Messages that you haven't read
- : Messages that you have read

- A red icon means that the message is urgent.
- means that the message is saved on the cards.

Using message options

While viewing a message, press <**Options**> to access the following options:

- **Reply**: send a reply message to the sender.
- **Forward**: forward the message to other persons.
- **Call/Save**: make a call to the sender's phone number or save the number to Contacts.
- **Erase**: erase the currently selected message from your Inbox.
- **To Phone**/**To Card**: move the message to the card or phone's memory.

While viewing the message list, press <**Options**> to access the following options:

- **Erase**: erase the currently selected message.
- **Erase multi**: erase the messages you select.
- **Erase all**: erase all messages.

Accessing voice mail messages

When you receive a voice mail message, a text notification displays. Press [ ], and the phone dials the voice mail centre. Then follow the voice prompts from the system to listen to the message.

You can also check your voicemails by accessing **Voice mail** when pressed and held [Left] in Idle mode.

Accessing web messages

When you select **Web alert** in the **Inbox** menu, the phone accesses your Alert Inbox on the wireless web, so that you can view a web message from your web server.

Outbox *(Menu 5-3)*

Use this menu to access messages you have sent, failed to send, or saved to send it at a later time.

Viewing sent text messages

When you access **Phone** or **Card** in the **Outbox** menu, a list of messages appears. The following icons on the message list indicate the messages' status:

- : Messages that have been successfully delivered
- : Messages that the phone has failed to send

means that the message is saved on the cards.

Using message options

While viewing a message, press <**Options**> to access the following options:

- **Resend**: send the message to the recipient again.
- **Erase**: erase the currently selected message from your Outbox.
- **To Phone**/**To Card**: move the message to the card or phone's memory.

While viewing the message list, press <**Options**> to access the following options:

- **Erase**: erase the currently selected message.
- **Erase multi**: erase the messages you select.
- **Erase all**: erase all messages.

Msg settings *(Menu 5-4)*

Use this menu to customise settings of various options for receiving or sending messages.

- **Scroll timer**: set the time interval in which the phone scrolls to a following screen.

  When this option is set to **Off**, you can manually scroll to the next screen using [Up] or [Down].
- **Msg reminder**: set how often the phone reminds you of new messages.

- **Alert on call**: set whether or not the phone informs you when you receive a new message during a call.
- **New message**: customise settings for your outgoing messages.

  Priority: select the priority level of messages.

  Delivery ack: activate or deactivate the delivery acknowledgement feature. When this is activated, the network informs you whether your message is delivered to the recipient or not.
- **Canned msg**: preset sentences to use when composing a new message.

Memory info *(Menu 5-5)*

This menu displays how many messages are stored in the card and the phone's memory.

Sounds *(Menu 6)*

The **Sounds** menu allows you to customise various sound settings.

To access this menu, press <**Menu**> in Idle mode and select **Sounds**.

Ringer *(Menu 6-1)*

Use this menu to set the ringer melody for calls, messages, alarms, and scheduler alarms.

1. Select a ringer item.
2. Press [Left] or [Right] to select a ringer category.
3. Press [Up] or [Down] to scroll to a ringer melody.
4. Press <**Play**> to listen to the ringer melody.
5. When you find the melody you want, press <**Save**>.

Ringer Vol./Type *(Menu 6-2)*

Use this menu to adjust the ringer volume for voice calls, messages, alarms, and scheduler alarms. You can also set the ringer type for voice calls.

- **Level 1~5**: select one of the volume levels.

- **Ringer only**: the phone sounds the ringer melody selected in the **Ringer** menu.
- **Silent**: the phone neither vibrates nor rings.
- **1 Beep**: the phone sounds a beep.
- **Vibration**: the phone vibrates.
- **Vib. & ringer**: the phone vibrates and rings at the same time.
- **Vib. then ringer**: the phone vibrates and then rings.
- **Ringer then vib.**: the phone rings and then vibrates.

Key tone *(Menu 6-3)*

Use this menu to select the type of tones that the keypad sounds each time you press a key.

☑ You can adjust the key tone volume using [▲/▼] in Idle mode.

Alert *(Menu 6-4)*

Use this menu to set up various alert sounds on your phone.

Function alert *(Menu 6-4-1)*

Use this menu to set up audible alerts at a specified time to inform you that certain things have happened.

- **Themes**: select an alert tone.
- **Alert on/off**: turn each alert on or off.

  Select/Saving: set the phone to sound an alert when you save your selection or change a menu function.

  Cancel/Warning: set the phone to sound an alert when you cancel your selection or change when a confirmation message appears.

  Folder: set the phone to sound an alert when you open the phone or close the phone.

  Connect: set the phone to sound a connect tone when your call is connected to the system.

  Disconnect: set the phone to sound a disconnect tone when a call is disconnected by the other person.

Power On/**Off**: set the phone to sound an alert when you turn on or off the phone.

Exit silent mode: set the phone to sound an alert when you exit Silent mode.

Call time alert: set the phone to sound an alert every minute during a call.

Hour alert *(Menu 6-4-2)*

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

1. Enter the time period for the phone to sound the hour alert and press [Down].
2. Scroll to **On** to turn the alert on.
3. Press <**Save**>.

Entertainment *(Menu 7)*

Using the **Entertainment** menu, you can play games and you can also use the phone as an FM radio.

To access this menu, press <**Menu**> in Idle mode and select **Entertainment**.

FM radio *(Menu 7-1)*

You can use your phone as the FM radio. First, you need to connect the headset to your phone to receive better signals.

Finding and setting radio channels

1. Press [Left] or [Right] to move to the radio frequency.

   The frequency moves by 0.1 MHz increments.

   Otherwise, hold [Left] or [Right] down to automatically scan through available radio frequency and save available radio frequencies.
2. Press <**Options**> and select **Save channel**.
3. Select the channel number to be assigned to the frequency.

Listening to the radio with the phone open

1. From the FM radio screen, scroll to a radio channel.
2. Press <**On**>.
   Press [▲/▼] to adjust the volume.

   ☑ • You can answer an incoming call or receive messages while listening to the radio.
   • The quality of the radio broadcast depends on the radio station's coverage in that particular area.
3. To turn the radio off, access the **FM radio** menu and press <**Off**>.

Using radio options

From the FM radio screen, press <**Options**> to access the following options:

- **Save channel**: save the radio channel.
- **Self tuning**: let the phone automatically scan through and save available radio frequencies.
- **Speaker**/**Speaker off**: turn the radio speaker on or off.
- **Erase**: delete the selected channel.
- **Erase all**: delete all radio channels.

Listening to the radio with the phone closed

1. Press and hold [**FM**] to turn the radio on.
   Press [▲/▼] to adjust the volume.
2. Press and hold [📷] to access the radio channel list.
3. Press [▲/▼] to scroll to the radio channel you want.
4. Press and hold [📷] to go back to the radio screen.
5. To turn the radio off, press and hold [**FM**].

Games *(Menu 7-2)*

You can enjoy fun games on your phone.

☑ Press [Up] in Idle mode to quickly access this menu.

Starting a game

1. Select the game you want.
2. Press any key except for [ ].
3. If necessary, select a game mode.

   The phone displays the following options; options vary depending on the selected game:

   - **NEW GAME**: start a new game.
   - **HIGH SCORE**: check the high score table.
   - **HELP**: give you the information about how to play the game.
   - **KEY INFO**: display information about the keys you can use in a game.
   - **CONTINUE**: restart the game you last played.
4. Select **New Game**.

   For further information about games, refer to the help option.

Utilities *(Menu 8)*

The **Utilities** menu enables you to keep track of your schedule and tasks, set alarms, make a memo, or use convenient features, such as a calculator, world time clock, and countdown timer.

To access this menu, press <**Menu**> in Idle mode and select **Utilities**.

Calendar *(Menu 8-1)*

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

☑ Press [Right] in Idle mode to quickly access this menu.

When you access this menu, today's date is automatically highlighted and the date in lunar calendar reckoning displays at the bottom.

On the calendar, press <**Options**> to access the following options:

- **View**: access the events stored for the selected day.
- **Add new**: add a new event to the selected day.
- **Jump to date**: enter the date you want to access.

Scheduling an event

1. Scroll to a day from the calendar and press <**OK**>.

   ☑ To move to the next or previous month, press [▲/▼].

   Press <**Options**> and select **Add new**.
2. Enter your event information and press <**OK**>.
3. Enter the starting time and date on the **Start** field and press [Down].
4. Enter the ending time and date on the **End** field and press [Down].

   ☑ You need to enter the time in 24-hour format.

5. Press [Left] or [Right] to set how long before the event the alarm is to alert you.

   To deactivate the alarm, select **No alarm**.
6. Press <**Save**> to save your event.

Viewing your schedule

Days with scheduled events are indicated with blue and green squares at the corner of the date cell.

1. Select one of days with scheduled events.
2. Press [Left] or [Right] to select the event you want.
3. Press [Up] or [Down] to scroll through the event information.

While viewing an event, press <**Options**> to access the following options:

- **Add new**: add a new event.
- **Edit**: edit the selected event.
- **Erase**: erase the selected event.
- **Erase all**: erase all of the events in the selected date.

Alarm *(Menu 8-2)*

Use this menu to set the alarm to ring at a specific time.

☑ Press [Down] in Idle mode to quickly access this menu.

Setting an alarm

1. Select **Alarm 1** or **Alarm 2**.
2. Select an alarm frequency option.
3. Enter the time for the alarm to ring.

   ☑ You need to enter the time in 24-hour format.

4. Press <**Save**> to save the alarm.

Stopping an alarm

- To stop an alarm when it rings, press any key.
- To deactivate an alarm:

  1. On the alarm list, select the alarm you want to deactivate.
  2. Select **Off**.

Calculator *(Menu 8-3)*

Use this menu to use the phone as a calculator. The calculator provides basic arithmetic functions; addition, subtraction, multiplication, and division.

1. Enter the first number.

   ☑ Use [∗] to enter a decimal point and [#] 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.
3. Enter the second number.
4. To get the result, press <**=**>.

   ☑ You can reset the calculator by pressing <**CE**>.

Today *(Menu 8-4)*

Use this menu to schedule new events for the current day, indicating each event's start and end time.

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

Schedule and access events as you would in the calendar. ▶ p. 47

To do list *(Menu 8-5)*

Use this menu to enter up a list of tasks you need to do.

Creating a task

1. Enter the task content and press <**OK**>.
2. Press [Left] or [Right] to select a priority for the task and press [Down].
3. Enter the time and date by which your task needs to be done.

   ☑ You need to enter the time in 24-hour format.

4. Press <**Save**> to save the task.
5. To add more tasks, press <**Options**> and select **Add new**.
6. Repeat from step 1.

Viewing a task

Press [Left] or [Right] to select the task you want to view.

While viewing a task, press <**Options**> to use the following options:

- **Add new**: add a new task.
- **Edit**: edit the selected task.
- **Erase**: erase the selected task.
- **Erase all**: erase all tasks.

World time *(Menu 8-6)*

Use this menu to find out what time it is in another part of the world.

Viewing world time

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

Applying Daylight Savings Time (DST)

1. Scroll to the time zone to which you want to apply DST and press <**DST**>.
2. Select **Yes**.

Count down *(Menu 8-7)*

In this menu, you can set a time and date for a future event and then check to see how many days, hours, and minutes remain before that event. You can also check how much time has passed since a past event.

Creating a countdown timer

1. Enter the event for your countdown timer and press <**OK**>.
2. Enter the time and date from which you want to count down.

   - You need to enter the time in 24-hour format.
   - You can enter any year between 1981 and 2099.

3. Press <**Save**> to save the timer.

Viewing a countdown timer

Press [Left] or [Right] to scroll through countdown timers. Each timer displays how may days, hours, minutes remain before the event, or have passed since the event.

While viewing a timer, press <**Options**> to access the following options:

- **Add new**: create a new timer.
- **Edit**: edit the selected timer.
- **Erase**: erase the selected timer.
- **Erase all**: erase all timers.

Memo pad *(Menu 8-8)*

Use this menu to make memos of important things you need to remember.

Writing a new memo

1. Enter the memo content.
2. Press <**OK**> to save the memo.
3. To add more memos, press <**Options**> and select **Add new**.
4. Repeat from step 1.

Viewing a memo

Select the memo you want to view from the memo list.

While viewing a memo, press <**Options**> to access the following options:

- **Add new**: add a new memo.
- **Edit**: edit the selected memo.
- **Erase**: erase the selected memo.
- **Erase all**: erase all memos.

Settings *(Menu 9)*

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

Answer mode *(Menu 9-1)*

Use this menu to select how to answer an incoming call.

- **By send key**: the phone answers only when you press [ ].
- **By folder open**: the phone answers when you open the phone. If the phone is already open, press [ ].
- **By any key**: the phone answers when you press any key, except for [ ], [ ] and the soft keys.

Roam option *(Menu 9-2)*

Roaming allows you to register your phone on other networks and use their facilities if your own network is not available. Roaming is only relevant in areas where there are at least two cellular service providers having valid roaming agreements.

Use this menu to control the phone's roaming ability:

- **Home only**: you cannot roam. If your home system is not available, you can not make or receive calls and the No service indicator ( ) is displayed.
- **Automatic**: your phone automatically searches for the first available service according to the Preferred Roaming List (PRL) supplied by the service provider.

Security *(Menu 9-3)*

Use this menu to protect your phone against unauthorised use by managing the several access codes of your phone and the card.

To access the **Security** menu, you must enter the 8-digit lock code. It is preset to **00000000** at the factory.

Phone lock *(Menu 9-3-1)*

Use this menu to lock your phone.

In Lock mode, you cannot use the phone's menu function and dial numbers, except for making an emergency call.

To unlock the phone, press one of the function keys and enter the 4- to 8-digit lock code.

Change lock *(Menu 9-3-2)*

Use this menu to change your current lock code to a new one. The lock code is preset to **00000000** at the factory.

Enter a new lock code and enter the code once again at the prompt.

☑ The lock code must be 4- to 8-digit.

Emergency # *(Menu 9-3-3)*

Your phone provides the option of storing three emergency numbers. All of these numbers can be manually dialed at any time, even if your phone is locked or all outgoing calls are restricted.

Storing an emergency number

1. Select a location.
2. Press [**C**] to clear the existing number.
3. Enter a number and press <**Save**> to save the number.

☑ 191 will remain as emergency numbers, even if you change them on the emergency number list.

Making an emergency call in Lock mode

Enter one of the programmed emergency numbers and press [ ].

Voice privacy *(Menu 9-3-4)*

Used only in digital networks, Voice Privacy encrypts the voice channel so that people cannot eavesdrop on your conversation. Use this menu to enable or disable Voice privacy.

- **Standard**: the phone uses a standard line for calls.
- **Enhanced**: the phone makes and receives calls on an encrypted high security line.

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

Restriction *(Menu 9-3-5)*

Use this menu to restrict the use of your phone.

- **Outgoing**: restrict outgoing calls from your phone, except emergency calls on standard emergency numbers, such as 191 or the 3 programmed numbers in the **Emergency #** menu.
- **Incoming**: restrict incoming calls.
- **Contacts**: restrict use of Contacts.

Clear memory *(Menu 9-3-6)*

Use this menu to erase Contacts entries or messages stored in the card's memory and phone's memory.

1. Select **Contacts** or **Messages**.
2. Select the memory location you want to clear. To clear both the memories, select **All**.
3. Select **Yes** to confirm the clearing.

Reset phone *(Menu 9-3-7)*

Use this menu to restore the default settings of all user-selectable options, or clear information in the phone's memory.

1. Select a reset option.
   - **Function only**: restore the default settings of all user-selectable options.
   - **All**: clear all information stored in the phone's memory including downloaded files and restore the default settings of the options.

☑ When you reset your phone using the **All** option, information stored on the UIM card does not reset.

2. Select **Yes** to confirm the reset. The phone reboots, turning itself off and then back on.

Card setup *(Menu 9-3-8)*

Use this menu to access the security options for the card.

- **PIN check**: activate the PIN check feature. You must enter the PIN assigned to your card each time you switch on the phone.

- **Change PIN**: change the PIN of your card to a new one, provided that the PIN check feature is enabled.

Entry method *(Menu 9-4)*

Use this menu to select the default text input mode.

Domain preset *(Menu 9-5)*

You phone has domain name extensions that you can retrieve when composing a message. Use this menu to change default domain name extensions and add new domain name extensions.

Contents status *(Menu 9-6)*

Use this menu to check the amount of the memory currently being used or memory remaining for media content, such as applications, melodies, and images.

Solve problems

Help and personal needs

To save the time and expense of an unnecessary service call, perform the simple checks in this section before contacting a service professional.

When you switch on your phone, the following messages may appear:

"Card is empty. Insert Card"

- Be sure that the card is correctly installed.

"Enter PIN"

- You are using your phone for the first time. You must enter the PIN supplied with the UIM card.
- The PIN Check feature is enabled. Every time the phone is switched on, the PIN has to be entered. To disable this feature, use the **PIN check** menu.

"Enter PUK"

- The PIN code was entered incorrectly three times in succession, and the phone is now blocked. Enter the PUK supplied by your service provider.

"No service," "Network failure," or "Not done" displays

- The network connection has been lost. You may be in a weak signal area. Move and try again.
- You are trying to access an option for which you have no subscription with your service provider. Contact the service provider for further details.

You have entered a number but it was not dialled

- Be sure that you have pressed [ ].
- Be sure that you have accessed the right cellular network.
- Be sure that you have not restricted outgoing calls.

Your correspondent cannot reach you

- Be sure that your phone is switched on. ([ ] pressed for more than one second.)
- Be sure that you are accessing the correct cellular network.
- Be sure that you have not restricted incoming calls.

Your correspondent cannot hear you speaking

- Be sure that you have switched off the microphone.
- Be sure that you are holding the phone close enough to your mouth. The microphone is located at the bottom of the phone.

The phone starts beeping and "Battery low" flashes on the display

- Your battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

- Check the signal strength indicator on the display ( ). The number of bars indicates the signal strength from strong to weak.
- Try moving the phone slightly or moving closer to a window if you are in a building.

No number is dialled when you re-call a Contacts entry

- Use the **Contacts list** menu to ensure the number has been stored correctly.
- Re-store the number, if necessary.

The battery doesn't charge properly or the phone sometimes turns itself off

- Wipe the charging contacts both on the phone and on the battery with a clean soft cloth.

If the above guidelines do not help you to solve the problem, take note of:

- The model and serial numbers of your phone
- Your warranty details
- A clear description of the problem

Then contact your local dealer or Samsung after-sales service.

Health and safety information

Battery safety

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 the 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 temperature 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, make sure that you are following the special regulations in a given area or country.

Operating environment

Remember to follow any special regulations in force in any area and always switch 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 minimize 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 atmospheres

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

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include the areas 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:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 191 or any other official emergency number). Emergency numbers vary by location.
3. Press [ ].

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 will corrode electronic circuits.
- Do not touch the phone with a wet hand while it is charging. 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 temperature can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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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