* Depending on the software installed or your service provider, some of the descriptions in this manual may not match from your phone.
* Depending on your country, your phone and accessories may appear different from the illustrations in this manual.

SAMSUNG

ELECTRONICS

SGH-Z130
User's Manual

ⓓ zones
What will you start?

T · · Mobile · · ·

⚠️ 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 call

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 88.

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**>

- **3G**
  Your phone is capable of operating in a 3G environment, allowing much greater data transfer speed, video streaming, and video conferencing.

Special features of your phone

- **Camera and Camcorder**
  Use the camera module on your phone to take a photo or record a video.

- **Media Player**
  Play media files on your phone.

- **Bluetooth**
  Connect to a headset or hands-free kit using wireless Bluetooth technology.

- **Get Personal with Photo Caller ID**
  See who's calling you with their very own photo displays.

- **Name Card**
  Create name cards with your number and profile. Whenever introducing yourself to others, use this convenient electronic name card.

- **Multimedia Message Service (MMS)**
  Deliver MMS messages with a combination of text, images, video, and audio.

- **E-mail**
  Deliver e-mails with images, video, and audio attachments.

- **Java**
  Enjoy Java™-based embedded games and download new games.

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

- **Voice recorder**
  Record memos or sounds.

Special features of your phone

Contents

Menu functions

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

*Shows only if supported by your SIM card.

Unpack

Make sure you have each item

Phone

Travel Charger

Battery

PC Data Cable

PC Link CD

User's Manual

You can obtain various accessories from your local Samsung dealer.

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

Your phone

Buttons, features, and locations

Flash

Camera lens

Antenna

Earpiece

Volume keys

Display

Headset jack

Application switch key

Navigation/ OK key

Video call key

Left soft key

Right soft key

Dial key

Power On/Off/ Menu exit key

Alphanumeric keys

Correction/ delete key

Microphone

Special function keys
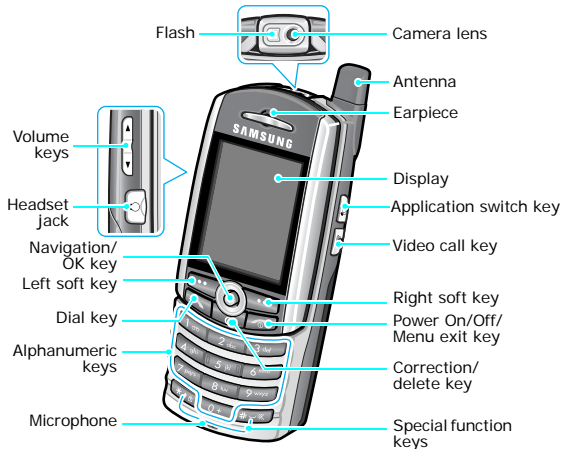
Get started

First steps to operating your phone

SIM card information

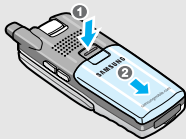When you subscribe to a cellular network, you receive a plug-in SIM (Subscriber Identity Module) card loaded with your subscription details, such as your PIN, and available optional services. For 3G services, you can purchase a USIM card.

Install and charge the phone

Remove the battery.	Insert the SIM card.

☑ If the phone is already on, first turn it off by holding [☎].
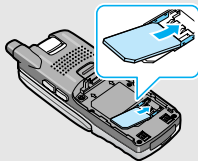
☑ Make sure that the gold-coloured contacts on the card face down into the phone.

3 Install the battery.	4 Plug the travel charger into the phone.
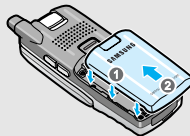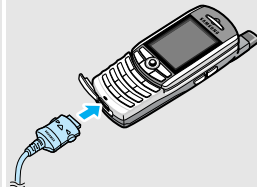
5 Plug the charger into a standard AC wall outlet.
The LED on the charger indicates the charging progress.

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

When the phone is completely charged (green charger LED), unplug the charger from the power outlet.

Remove the charger from the phone.

Low battery indicator

When the battery is low:

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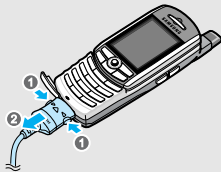- the battery low message displays, and
- the empty battery icon 🔲 blinks.

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

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Power on or off

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

Power off	Press and hold [🌣].

Keypad lock

The keypad lock feature locks the keys so that nothing will happen if the keys are accidentally pressed.

To lock the keypad, press and hold [✶] and press <**Yes**>.

To unlock the keypad, press <**Unlock**> and then [✶].
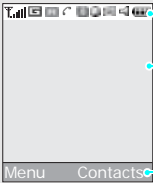
Keys and display

Key(s)	Description
⬚7⬚	Perform the function indicated on the bottom line of the display.
ⓞ	In Idle mode, access menu options directly. ▶ p. 76 In Menu mode, select a highlighted menu option and scroll through the menu options: • Press this key to select an option (◎). • Press this key up to scroll up (⬙). • Press this key down to scroll to down (◉). • Press this key left to scroll to left (◐). • Press this key right to scroll to right (◑).
⌍	Send or answer a call. In Idle mode, retrieve the recent number dialled, missed, or received.
⌫	Delete characters from the display and selected item.

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.
1∞ 2 0+	Enter numbers, letters, and some special characters. In Idle mode, hold [**1**] down to access your voicemail.
✳+• #–¤	Enter special characters. Hold [#] down to activate or deactivate the Silent profile. Hold [✳] down to lock the keypad.
⬚ (on the left)	Adjust the phone volume. In Idle mode, adjust the keypad tone volume. With the display turned off, turn it on when pressed and hold.

Get started

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Key(s)	Description
(on the right)	Hold down to open the application switch window to access **Call**, **Messages**, and **Browser** without exiting the current application.
(on the right)	Make a video call.

Display

Layout	The display has three areas.
	Icons displays various icons.
	Text and graphics displays messages, instructions, and information you enter.
	Soft key function indicators shows the current functions assigned to the two soft keys.

Icons[*]

▚▖	Received signal strength
▣	2.5G network
▣	3G network
▣	Active roaming feature
✖	Out of your service area; you cannot send or receive voice calls or video calls
☎	Voice call in progress
▣	Video call in progress
▨	Bluetooth feature is active ▶ p. 81
▨	Connected with a Bluetooth headset or hands-free
▨	Alarm set

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Icons (continued)	✉	Message type
		• ✉ Text message
		• ✉ Multimedia message
		• ✉ E-mail message
		• ✉ Voicemail message
		• ✉ Configuration message
		• ✉ Wap message
	🐞	Profile setting
		• No icon Normal
		• ✉ Silent ▶ p. 13
		• 🐞 Car
		• 🎭 Meeting
		• 🏃 Outdoor
	▥	Battery power level

* The icons shown on the display may vary, depending on your country or service provider.

Access menu functions

Use the soft keys

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

Menu   Contacts

C
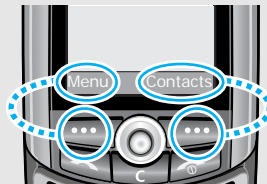
Press the left soft key to access Menu mode.

Press the right soft key to access **Search contact** in the **Phonebook** menu.

☑ In each main menu, one of the most popular sub menu is assigned to the left soft key. This allows you to quickly access the most popular menus.

Get started

Select an option	1. Press the appropriate soft key.
	2. Press ⬡ or ⬡ to move to the next or previous option.
	3. Press <**Select**> or ⬡ to confirm the function displayed or option highlighted.
	4. To exit, choose either of the following methods: • Press <**Back**> to move up one level. • Press [📞] to return to Idle mode.
Use shortcuts	Press the number key corresponding to the option you want.

Customise your phone

Display language	1. In Idle mode, press <**Menu**> and select **Settings** → **Phone settings** → **Language** → **Screen text**. 2. Select a language. 3. Press <**Save**>.
Call ringer melody	To change the ringer for voice calls 1. In Idle mode, press <**Menu**> and select **Settings** → **Phone settings** → **Assign ringtone**. 2. Select the **Voice call ringtone** line. 3. Select a ringer melody. 4. Press <**Options**> and select **Save**.

Call ringer melody (continued)	To change the ringer for video calls
	1. Access **Assign ringtone**.
	2. Select the **V-call ringtone** line.
	3. Select a ringer melody.
	4. Press <**Options**> and select **Save**.

Idle mode Wallpaper	You can set a wallpaper for the idle screen using various pictures.
	1. In Idle mode, press <**Menu**> and select **Settings** → **Display settings** → **Wallpaper**.
	2. Select an image box by pressing ◀ or ▶.
	3. Select an image by pressing ▲ or ▼.
	4. Press ◉.

Silent mode	You can switch the phone to the Silent profile to avoid disturbing other people with your phone sounds.
	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** → **Change phone password**.
	2. Enter the default password, "00000000", and press <**Confirm**>.
	3. Enter a new 4- to 8-digit password and press <**Confirm**>.

Phone lock
(continued)

4. Enter the new password again and press <**Confirm**>.

5. Select **Phone lock**.

6. Select **Enable**.

7. Enter the password and press <**Confirm**>.

Make/Answer calls

Make a call

To make a voice call

1. Enter an area code and phone number.

2. Press [➘].

3. To end the call, press [✆].

To make a video call

1. Enter an area code and phone number.

2. Press <**V-call**>, and the other person appears on the screen.

Answer a call

1. When the phone is ringing, press [➘].

2. For a video call, press <**Show me**> to allow the other person to see you.

3. To end the call, press [✆].

Adjust the volume during a call

Press [▲/▼].

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Step outside the phone

Begin with your camera, music, games, and other special features

Use camera

Take a photo

1. In Idle mode, rotate the phone's screen.

2. Rotate the camera lens, aim it at the subject, and adjust the image.

3. Press ◎ to take a photo. The photo is saved automatically.

4. Press ◎ or the right soft key to take another photo.

View a photo

1. In Idle mode, press <**Menu**> and select **File manager** → **Images** → **Photos**.

2. Select the photo you want.

Record a video

1. In Idle mode, rotate the phone's screen to turn on the camera.

2. Press [**1**] to switch to Record mode.

3. Press ◎ to start recording.

4. Press the right soft key to stop recording. The video is automatically saved.

5. Press the right soft key to record another video.

Play a video

1. In Idle mode, press <**Menu**> and select **File manager** → **Videos**.

2. Select the video you want.

Play media files

Copy media files to the phone	Use these methods:
	• Download from the wireless web ▶ p. 42
	• Download from a computer using Samsung PC Studio ▶ Samsung PC Studio User's Guide
	• Receive by MMS or e-mail ▶ p. 47, p. 50

Create a play list	1. In Idle mode, press <**Menu**> and select **Media player** → a media folder.
	2. Press <**Options**> and select **Add** → **Folder** or **Files**.
	3. Check the files you want or select a folder.
	4. Press <**Add**> or <**Select**>.

Play media files	1. From the play list, scroll to a file and press ◎.
	2. During playback, use the following keys:
	• ◎ pauses/resumes.
	• ○ opens the play list.
	• ○ changes the repeat mode: ↺, ↻, ↺, ↺, ↺.
	• ◐ goes back to the previous file. Goes backward in a file when held down.
	• ◑ skips to the next file. Skips forward in a file when held down.
	• [▲/▼] adjusts the volume.
	• <**Stop**> stops playback.

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Play games

Select a game	1. In Idle mode, press <**Menu**> and select **Games & mores** → **PocketStar**, **Bobby Carrot**, or **Freekick**.
	2. For **PocketStar** or **Freekick**, press any key to launch the game. For **Bobby Carrot**, press ◎ or the left soft key.
Play PocketStar	Select **NEW GAME** → a game type → a game mode → a character.
Play Bobby Carrot	Select **New Game** → a game mode.
Play Freekick	Select **Game** → the game mode you want → a team → a player.

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 updated services and information and to enjoy download of web contents.

Launch the browser	In Idle mode, press <**Menu**> and select **Browser** → **Home**.
Navigate the web	• To scroll through browser items, press ▲ or ▽. • To select an item, press ◎. • To return to the previous page, press <**Back**>. • To use browser options, press <**Options**>. If necessary, select **Browser Menu**.

Step outside the phone

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Use Phonebook

Add an entry

To the phone's memory

1. In Idle mode, enter a phone number.

2. Press <**Options**> and select **Save to contacts** → **Phone** → **New** → a number type.

3. Specify the contact information: First name, Last name, Mobile, Home, Office, Fax, Etc., E-mail, Group, Homepage, Memo, Birthday, Postal address 1, and Postal address 2.

4. Press ◯ to save the entry.

To the SIM card

1. In Idle mode, enter a phone number.

2. Press <**Options**> and select **Save to contacts** → **SIM** → **New**.

3. Enter a name.

4. Press <**Save**>.

Find an entry

1. In Idle mode, press <**Contacts**>.

2. Select an entry.

3. Select a number and press [⌁] to dial, or <**Options**> to access options.

Create and send a name card

1. In Idle mode, press <**Menu**> and select **Phonebook** → **My contact details**.

2. Specify your contact information.

3. Press ◯ to save the name card.

4. To send the name card to other people, access the **My contacts details** menu again.

5. Press <**Options**> and select **Send message** → **As E-mail**.

Send messages

Send a text message (SMS)

1. In Idle mode, press <**Menu**> and select **Messages** → **Create message** → **Text message**.

2. Enter the message text.

3. Press ◯.

4. Enter destination numbers.

5. Press ◯.

Send a multimedia message (MMS)

1. In Idle mode, press <**Menu**> and select **Messages** → **Create message** → **Multimedia message**.

2. Enter the message subject.

3. Select **Picture or video**, or **Sound**.

4. Add a media file.

Send a multimedia message (MMS) (continued)

5. Select **Text**.

6. Enter the message text and press ⬭.

7. Press <**Options**> and select **Send**.

8. Enter destination numbers or e-mail addresses.

9. Press ⬭.

Send an e-mail

1. In Idle mode, press <**Menu**> and select **Messages** → **Create message** → **E-mail**.

2. Enter the e-mail subject.

3. Move to the **Message** line, and enter the e-mail text.

4. Move to the **Attach file(s)** line.

5. Press <**Options**> and select **Add file**(**s**), **Add contacts details**, or **Add V-calendar**.

6. Add images, the name card, or calendar memos.

7. Press <**Options**> and select **Attach**.

8. Press ⬭.

9. Enter e-mail addresses.

10. Press ⬭.

View messages

View a text message

When a notification appears:

1. Press <**View**>.

2. Select a message from the Inbox.

From the Inbox:

1. In Idle mode, press <**Menu**> and select **Messages** → **Inbox**.

2. Select a text message.

View a multimedia message	When a notification appears:
	1. Press <**View**>.
	2. Press <**Options**> and select **Retrieve**.
	3. Select a message from the Inbox.
	From the Inbox:
	1. In Idle mode, press <**Menu**> and select **Messages** → **Inbox**.
	2. Select a multimedia message.

View an e-mail	1. In Idle mode, press <**Menu**> and select **Messages** → **E-mail inbox**.
	2. Press <**Options**> and select **Download**.
	3. Select an e-mail or header.
	4. If you selected a header, press <**Options**> and select **Retrieve**.

Use Bluetooth wireless

Your phone is equipped with Bluetooth technology which enables you to connect the phone wirelessly to a Bluetooth headset or a Bluetooth-enabled hands-free kit.

Turn on Bluetooth	In Idle mode, press <**Menu**> and select **Settings** → **Connectivity** → **Bluetooth** → **Activation** → **On**.

Search for and connect a Bluetooth device	1. In Idle mode, press <**Menu**> and select **Settings** → **Connectivity** → **Bluetooth** → **My devices**.
	2. Press <**Search**>.
	3. Select a device.
	4. Enter a Bluetooth PIN code or the other device's Bluetooth PIN code, if it has, and press <**OK**>.

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Transfer the call to a Bluetooth headset

1. Put on the headset.

2. Press <**Options**> and select **Switch to headset**.

   You can talk to the other person via the headset.

Enter text

ABC, T9, Number, and Symbol mode

You can enter text for some features such as messaging, Phonebook, or Organiser, using ABC mode, T9 mode, Number mode, and Symbol mode.

Changing the text input mode

The text input mode indicator displays when the cursor is in a text field.

- Press and hold [✶] to switch between T9 mode (T9Abc) and ABC mode (ABC). Depending on your country, you may also be able to access an input mode for your specific language.
- Press [✶] to change case (T9Abc/T9AB/T9abc) or switch to Number mode.
- Press and hold [#] to switch to Symbol mode (SYM).

Using T9 mode

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

Entering a word in T9 mode

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

   For example, press [**4**], [**3**], [**5**], [**5**], and [**6**] to enter HELLO in T9 mode.

   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 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 [#] to insert a space and enter the next word.

Tips for using T9 mode

- Press [**1**] to enter periods or apostrophes automatically.
- Press [**#**] to insert a space.
- Press ◯ or ◯ to move the cursor.
- Press [**C**] to delete characters one by one. Press and hold [**C**] to clear the display.

Adding a new word to the T9 dictionary

This feature may not be available for some languages.

1. Enter the word that you want to add.
2. Press [**0**] to display alternative words for your key presses. When there are no more alternative words, **Spell** displays on the bottom line.
3. Press <**Spell**>.
4. Enter the word you want using ABC mode and press <**Add**>.

Using ABC mode

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

Keys	Characters in order displayed	
	Upper case	Lower case
1	. , - ? ! ' @ _ ( ) / " : 1	
2	A B C Ä À Á Â Ã Å Æ Ç 2	a b c ä à á â ã å æ ç 2
3	D E F È É Ê Ë 3	d e f è é ê ë 3
4	G H I Ì Í Î Ï 4	g h i ì í î ï 4
5	J K L Λ 5	j k l Λ 5
6	M N O Ñ Ö Ò Ó Ô Õ Ø 6	m n o ñ ö ò ó ô õ ø 6
7	P Q R S Π Σ Ξ 7	p q r s ß Σ Ξ 7
8	T U V Ü Ù Ú Û 8	t u v ü ù ú û 8
9	W X Y Z Ý Þ ß 9	w x y z ý þ ÿ 9
0	+ = < > € £ $ % & ¥ ¤ 0	

Tips for using ABC mode

- 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 $\bigcirc$. Then, enter the next letter.
- Press [#] to insert a space.
- Press $\bigcirc$ or $\bigcirc$ to move the cursor.
- Press [**C**] to delete characters one by one. Press and hold [**C**] to clear the display.

Using Number mode

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

Using Symbol mode

Symbol mode enables you to insert symbols.

To	Press
display more symbols	$\bigcirc$ or $\bigcirc$.
select a symbol	the corresponding number key.
clear the symbol(s)	[**C**].
insert the symbol(s)	<**OK**>.

Call functions

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. You can move the cursor to edit an incorrect digit.
  • Press and hold [✶] to enter a pause between numbers.

Making an international call

1. In Idle mode, press and hold [**0**]. The **+** character appears.
2. Enter the country code, area code, and phone number, then press [➘].

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 Phonebook

Once you have stored a number in Phonebook, you can dial the number by selecting it from Phonebook. ▶ p. 33

You can also use the speed dial feature to assign your most frequently called numbers to specific number keys. ▶ p. 38

Dialling a number from the SIM card

1. In Idle mode, enter the location number for the phone number you want and press [#].
2. Scroll through other numbers.
3. Press <**Call**> or [➘] to make a voice call, or <**V-call**> to make a video call.

Ending a call

Press [☎].

Answering a call

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

Press [➧] or <**Accept**> to answer the call.

Tips for answering a call

- When **Any key answer** in the **Phone settings** menu is active, you can press any key to answer a call, except for [➧] and <**Reject**>. ▶ p. 77
- Press <**Reject**> or [➧] to reject a call.
- Press and hold [▲/▼] to mute the ringer.

Viewing missed calls

If you have missed calls, the screen displays how many calls you have missed.

1. Press <**View**>.
2. If necessary, scroll through the missed calls.
3. Press [➧] to dial the number you want.

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	the button.
end a call	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 level and [▼] to decrease the volume level.

Placing a call on hold/Retrieving

Press <**Hold**> or <**Unhold**> to place the call on hold or retrieve the call.

Making a second call

You can make another call if your network supports it.

1. Press <**Hold**> to put the call on hold.
2. Make the second call in the normal way.
3. Press <**Swap**> to switch between the calls.
4. Press <**Options**> and select **Drop held call** to end the call on hold.
5. To end the current call, press [☎].

Answering a second call

You can answer an incoming call while already on the phone, if your network supports it and you have activated the call waiting feature. ▶ p. 80

1. Press [➚] to answer the call. The first call is automatically put on hold.
2. Press <**Swap**> to switch between the calls.

3. Press <**Options**> and select **Drop held call** to end the call on hold.
4. To end the current call, press [☎].

Transferring a call

You can transfer the currently active call to a caller on hold, if your network supports it. With this option, the two callers can talk to each other, but you are disconnected from the call.

Press <**Options**> and select **Transfer**.

Using the external speaker

You can talk and listen with the phone a short distance away without holding your phone.

Press <**Options**> and select **Loud speaker**. To return to the normal phone mode, select **Handset**.

Using a Bluetooth headset

Use an optional Bluetooth headset to talk on the phone without holding the phone to your ear. To use this feature, you first need to register your headset and connect it to the phone. ▶ p. 81

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Press <**Options**> and select **Switch to headset** or **Switch to phone**.

Switching off the microphone (Mute mode)

You can temporarily switch off your phone's microphone so that the person on the phone cannot hear you.

Press <**Options**> and select **Mute** or **Unmute**.

Muting or sending key tones

You can turn the key tones off or on.

Press <**Options**> and select **Mute key tone** or **Unmute key tone**.

☑ To communicate with answering machines or computerised telephone systems, **Unmute key tone** must be selected.

Using Phonebook

You can access the **Phonebook** menu to locate or store entries. ▶ p. 33

Press <**Options**> and select **Contacts**.

Sending a sequence of DTMF tones

Dual tone multi-frequency (DTMF) tones are the tones used in phones for tone dialling.

You can send DTMF tones as a group after entering the entire number you need to send or retrieving a number from Phonebook. This feature is helpful for entering a password or an account number when you call an automated system, like a banking service.

1. When connected with a teleservice system, press <**Options**> and select **Send DTMF**.

2. Enter the number you need to send and press <**Send**>.

Adding a memo

You can add a memo during a call.

Press <**Options**> and select **Memo**. ▶ p. 67

Sending a text message

You can access the **Text message** menu to create and send a new text message.

Press <**Options**> and select **Send SMS**. ▶ p. 45

Using SIM services

The **Special** menu is available if you use a SIM card in your phone. A SIM card provides services such as news, weather, sports, entertainment, and location services.

For details, see your SIM card instructions or contact your service provider.

Making a multi-party call

Use this feature to allow as many as six people to join a multi-party call, or conference call.

Your service provider must support multi-party calls for you to use this feature.

Setting up a multi-party call

1. Call the first participant.
2. Call the second participant. The first call is automatically put on hold.
3. Press <**Options**> and select **Join**. The first participant is added to the multi-party call.

4. If desired, call another person or answer an incoming call.
5. Press <**Options**> and select **Join**.
6. Repeat steps 4 and 5 as desired.

Having a private conversation with one participant

1. Press <**Options**> and select **Split**.
2. Select a name or number from the participant list.

   You can talk privately with that person, while the other participants converse with each other.
3. To return to the multi-party call, press <**Options**> and select **Join**.

Dropping one participant

1. Press <**Options**> and select **Drop a call**.
2. Select a name or number from the participant list.

   The participant is dropped from the call, but the call continues with the other parties.
3. Press [ ] to end the multiparty call.

Using the video call feature

In a 3G (UMTS) service area, your phone can make or receive a video call which allows you to see another person on the screen during a conversation. The other person's phone must support the video call feature.

Making a video call

1. In Idle mode, enter the area code and phone number.
2. Press <**V-call**>.

Answering a video call

When you receive a video call, answer a video call as receiving a voice call. Press <**Show me**> to allow the other person to see you.

Using video call options

During a video call, press the left soft key to access the following options:

• **Loud speaker/Handset**: switch to Loud speaker mode or Handset mode.

• **Switch to phone/Switch to headset**: switch to Bluetooth Headset mode or Phone mode. To use this feature, you first need to register your headset and connect it to the phone. ▶ p. 81

• **Mute**: turn off the camera, or mute the key tone or microphone.

• **Quality**: change the image quality.

• **Zoom**: zoom in or out.

• **Brightness**: adjust the image brightness.

• **Effects**: apply a special effect to the image.

• **Hide information/Show information**: display or hide information about the video call.

• **End call**: end the video call.

Menu functions

All menu options listed

Games & mores *(Menu 1)*

Use this menu to download Java games and play them.

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

Downloading new games

To download new games, select **t-games**. The phone connects to the preset website in the Java server.

Using Java game options

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

- **Download**: connect the preset website.
- **Start**: launch the selected game.
- **Delete**: delete the selected game folder.
- **Lock**: prevent the game from being deleted or moved.

- **Create folder**: add a new game folder.
- **Rename folder**: change the folder name.
- **Details**: access information about the game.
- **Permissions**: set whether or not the phone displays a security warning message when you use security functions.
- **Settings**: select one of several preset websites.
- **Memory status**: display the amount of total and used memory for Java games.

Playing PocketStar

1. From the **Games & mores** menu, select **PocketStar**.
2. Press any key.
3. Select **NEW GAME** → a game type → a game mode → a character.

Playing Bobby Carrot

1. From the **Games & mores** menu, select **Bobby Carrot**.
2. Press ◯ or the left soft key.
3. Select **Load Game** or **New game** → a game mode.

During a game, press the left soft key to access the game options.

Playing Freekick

1. From the **Games & mores** menu, select **Freekick**.
2. Press any key.
3. Select **Game** → the game mode you want → a team → a player.

During a game, press [**#**] to access the game options.

Phonebook *(Menu 2)*

You can store phone numbers on your SIM card and in your phone's memory. The SIM card and phone's memory are physically separate, but they are used as a single entity called Phonebook.

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

Search contact *(Menu 2.1)*

Use this menu to search for numbers in Phonebook.

Press <**Contacts**> in Idle mode to quickly access this menu.

Finding an entry

1. Enter the first few letters of the name that you want to find.
2. Select the name you want from the list.
3. Press [🔽] to dial the number, or <**Options**> to access the Phonebook options.

Using Phonebook options

While viewing a contact in Phonebook, press <**Options**> to access the following options:

- **Edit**: edit the contact information.
- **Call**: dial the contact.
- **V-call**: make a video call.
- **Send message**: send an SMS or MMS message.
- **Special options**: set the following options:

  Picture: assign an image as a caller ID image to alert you to a call from the number.

Ringtone: assign a unique ringer melody to alert you to a call from the number.

Msg. alert tone: select a melody or tone to be used when you receive incoming messages from the number.

- **Add to speed dial**: set the number as a speed dial number.
- **Copy to SIM/phone**: copy the number to the phone's memory or SIM card or vice versa.
- **Send contact details**: send the contact via e-mail.
- **Set as default**: set the number as your default number for a contact.
- **Duplicate**: duplicate the contact.
- **Paste**: copy the number to the normal dialling screen.
- **Delete**: delete the contact.

Add contact *(Menu 2.2)*

Use this menu to add a new contact to Phonebook.

Storing a number in the phone's memory

1. Select **Phone**.
2. Press ⬭ and change the settings or enter information about the contact.
   - **First name/Last name**: assign a name.
   - **Mobile/Home/Office/Fax/Etc.**: add a number in any category.
   - **E-mail**: assign an e-mail address.
   - **Group**: assign a caller group.
   - **Homepage**: enter a homepage address.
   - **Memo**: add a memo about the person.
   - **Birthday**: enter the person's birthday.
   - **Postal address**: enter a URL address.
3. Press ◯ to save the contact.

While adding an entry, press <**Options**> to access the following options:

- **Save**: save the contact.

- **Special options**: assign an image as a caller ID image, or unique ringer melody for calls or incoming messages to alert you.
- **Mark video call/Unmark video call**: set the number as the video call number.

Storing a number on the SIM card

1. Select **SIM**.
2. Enter a name.
3. Press ◎ and enter a phone number.
4. If necessary, press ◎ and change the location number.

> ☑ When you are using a USIM card, you can press <**Options**> and select **Add item** to save additional information about the contact.

5. Press ◎ to save the contact.

Call log *(Menu 2.3)*

Use this menu to view the calls you have dialled, received, or missed, the length of your calls, and the cost of your calls.

Missed calls *(Menu 2.3.1)*

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

Accessing a call record

1. Press ◁ or ▷ to select a call type.
2. Press △ or ◎ to scroll through the call list.
3. Press [⌇] to dial a number, or ◎ to view the details of a call.

Using call record options

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

- **View**: access the details of the selected call.
- **Call**: dial the number.
- **V-call**: make a video call.
- **Save contact to**: save the number in Phonebook.
- **Send message**: send an SMS or MMS message.
- **Delete**: delete the call record or all of records.

Received calls *(Menu 2.3.2)*

This menu displays the most recent calls you have received.

Dialled calls *(Menu 2.3.3)*

This menu displays the most recent calls you have dialled.

Current contacts *(Menu 2.3.4)*

This menu displays all of contacts you have dialled, received, or missed.

Data counter *(Menu 2.3.5)*

Use this menu to view the amount of sent or received data and the total length of your data calls.

To reset a counter or all of counters, press <**Options**> and select **Reset** or **Reset all**.

Call costs *(Menu 2.3.6)*

This network feature displays the cost of calls. This menu is available only if your SIM card supports this feature. Note that this is not intended to be used for billing purposes.

- **Total costs**: check the total cost of all your calls. If the total cost exceeds the maximum cost set in **Edit cost limit**, you must reset the counter before you can make another call.

- **Last call cost**: check the cost of your last call.

- **Call limit**: check the maximum cost set.

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

- **Reset call cost**: reset the cost counters.

- **Edit cost limit**: set the maximum cost authorised for your calls.

- **Setup currency**: set the price per unit that is applied when the cost of your call is calculated.

Call times *(Menu 2.3.7)*

This menu displays the time log for voice and video calls made and received. The actual time invoiced by your service provider will vary.

- **Total dialled**: check the total length of your voice calls dialled.

- **Total received**: check the total length of all voice calls received.

- **Total dialled**: check the total length of your video calls dialled.

- **Total received**: check the total length of all video calls received.

To reset a counter or all of counters, press <**Options**> and select **Reset** or **Reset all**.

Groups *(Menu 2.4)*

Use this menu to organise your contacts in Phonebook in caller groups.

Creating a new caller group

1. Press <**Options**> and select **Add group**.
2. Enter a name for your group and press <**Save**>.

Adding members to a caller group

1. Scroll to a group.
2. Press ◯ to open the Contact list screen.
3. Check the contacts you want to add to the group.
4. Press <**Save**>.

Managing caller groups

From the group list, press <**Options**> to access the following options:

- **View members**: display the members of the selected group.
- **Add member**: add contacts to the group.

- **Add group**: add a new group.
- **Rename group**: change the group name.
- **Delete**: delete the group or all of groups, but the members of the group are not deleted from Phonebook.

My contact details *(Menu 2.5)*

Use this menu to create a name card and send it to other people.

Saving your name card

The procedure for creating your name card is the same as the one for saving a number in the phone's memory. ▶ p. 34

Using name card options

After saving your name card, press <**Options**> to access the following options:

- **Edit**: edit the name card.
- **Send message**: send the name card via e-mail.
- **Delete**: delete the name card.

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Copy all *(Menu 2.6)*

Use this menu to copy all of the contacts stored on the SIM card to the phone's memory, or vice versa.

Service number *(Menu 2.7)*

This menu is available if your SIM card supports Service Dialling Numbers (SDN). Use this menu to view the list of SDNs assigned by your service provider, including emergency numbers, directory enquiries, and voice mail numbers.

1. Scroll to the number you want.

Press <**Dial**> or [🔽].

Phonebook settings *(Menu 2.8)*

Use this menu to manage Phonebook.

Speed dial *(Menu 2.8.1)*

Use this menu to assign speed dial numbers (2 to 9) to eight of your most frequently called numbers.

Assigning speed dial entries

1. Select a key location from **2** to **9**. Key **1** is reserved for your voice mail server.

2. Select the contact you want from the contact list.
3. Scroll to a number, if it has more than one number.
4. Press <**Select**>.

Managing speed dial entries

While viewing the Speed dial screen, press <**Options**> to access the following options:

• **Assign**: assign a number to an unassinged key.
• **View**: access details about the speed dial entry.
• **Call**: dial the number.
• **V-call**: make a video call.
• **Change**: assign a different number to an assigned key.
• **Remove**: clear the speed dial setting.

Dialling speed dial entries

Press and hold the appropriate key in Idle mode.

Sort contacts by *(Menu 2.8.2)*

Use this menu to select a sort order of the contact list.

Save new contacts to *(Menu 2.8.3)*

Use this menu to select a default memory location to save contacts.

If you select **Ask each time**, the phone will ask you to select a memory location when saving a number.

View contacts in *(Menu 2.8.4)*

Use this menu to select a default memory location to retrieve the contacts you have stored in Phonebook.

Own number *(Menu 2.8.5)*

Use this feature to check your phone numbers, or to assign a name to each of the numbers. Changes made here do not affect the actual subscriber numbers on your SIM card.

Memory status *(Menu 2.9)*

Use this menu to view the number of contacts you have stored in Phonebook.

Media player *(Menu 3)*

Use this menu to enjoy media files, such as MP3 music, ringtones, or video clips.

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

Downloading or receiving media files

Use these methods to save media files to your phone's memory:

- Download from the wireless web ▶ p. 42
- Download from a computer using the Samsung PC Studio programme ▶ Samsung PC Studio User's Guide
- Receive by MMS or e-mail ▶ p. 47, p. 50

Music *(Menu 3.1)*

Use this menu to play music files. To enjoy music files, you first need to create a play list.

Creating the play list

1. Press <**Options**> and select **Add**.

2. Select either of the following options:
   - **Folder**: add all of the files in a media folder to the play list.
   - **Files**: add files to the play list.
3. If you selected **Files**, check the files you want and press <**Add**>.

   If you selected **Folder**, select a folder and press <**Select**>.
4. To play files, press ◎.

Playing sound files

From the play list, press ◎.

During playback, you can use the following keys:

Keys	Function
◎	Pauses/Resumes.
◖	Goes to the previous file. Goes backward in a file when held down.
◗	Skips to the next file. Skips forward in a file when held down.

Keys	Function
◔	Opens the play list.
◓	Changes the repeat mode; 🔁, 🔂, 🔁, 🔀, 🔀
▲ / ▼	Adjusts the volume.
Stop	Stops playback.

Using the media player options

From the Media player screen, press <**Options**> to access the following options:

- **Play**: begin playback.
- **Pause**: pause playback.
- **Stop**: stop playback.
- **Open play list**: display the play list.
- **Details**: access information about the file.
- **Player settings**: change the default settings for playing media files.

   Repeat: select a repeat mode.

Shuffle: select a playing order.

Volume: select a volume level.

Using play list options

From the play list, press <**Options**> to access the following options:

- **Play**: play the currently selected file.
- **Add**: add files or a folder to the play list.
- **Remove**: remove the file or all of files from the play list.
- **Move in play list**: move the selected file to the position you want within the play list.
- **Details**: access information about the file.

Videos *(Menu 3.2)*

Use this menu to play video clips. For details about creating a play list and playing video clips, refer to the **Music** menu.

You can use the media player options by pressing <**Options**> from the Media player screen. The following options are available:

- **Play**: begin playback.

- **Pause**: pause playback.
- **Stop**: stop playback.
- **Open play list**: display the play list.
- **Show/Hide controller**: display or hide the control bar of Media player.
- **Details**: access information about the file.
- **Player settings**: change the default settings for playing media files.

  Repeat: select a repeat mode.

  Shuffle: select a playing order.

  Volume: select a volume level.

  Hide controller: does not display the control bar of Media player.

- **Streaming settings**: activate one of the streaming servers.

Browser (Menu 4)

The Wireless Application Protocol (WAP) browser on your phone allows you to access the wireless web. Using the WAP browser, you can access updated information and a wide variety of media contents, such as wallpapers, ring tones, and music files.

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

Home (Menu 4.1)

Use this menu to connect your phone to the network and load the homepage of the wireless web service provider.

Navigating the WAP browser

To	Press
scroll through browser items	⬆ or ⬇.
select a browser item	◎.
return to the previous page	<**Back**>.

Selecting and using browser menu options

1. Press <**Options**>. If necessary, select **Browser Menu**.

2. Select one of the following browser options:

    • **Go to**: go to the selected hyperlink.
    • **Go to homepage**: send you back to the homepage.
    • **Enter URL**: manually enter the URL address of the web page you want to access.
    • **Go**: go to the previous or next web page.
    • **Reload**: reload the current page with updated information.
    • **To DesktopView/To SmartFitView**: switch to between DesktopView mode and SmartFitView mode.

       When you select **To DesktopView**, the web page is displayed in actual size.

       When you select **To SmartFitview**, the phone automatically resizes the web page to fit on the phone screen.

- **Bookmarks**: add the current page to your bookmark list and view the bookmark list.
- **History**: show URLs previously visited.
- **Send URL**: send the URL as a text message.
- **Save**: save the image of the current page or web page.
- **Page properties**: access information about the current page.
- **Browser options**: access the browser settings.

  Empty cache: delete cache.

  Cookies: change the cookie settings and delete cookies.

  Preferences: select the method to view a web page.

  About browser: access information about the browser.

Exiting the WAP browser

Press [☎] to exit the browser.

Enter URL *(Menu 4.2)*

Use this menu to manually enter the URL address of a website and access the website.

To save the entered URL in the bookmark list, select **Add bookmark**.

Bookmarks *(Menu 4.3)*

Use this menu to save URL addresses to quickly access a website.

☑ For default bookmark items, you are not able to edit or delete them.

Adding a bookmark

1. From the Bookmarks screen, press <**Options**>.
2. Select **Add bookmark**, or **Bookmark** and select **Add bookmark**.
3. Enter a name for the bookmark and press 🔍 .
4. Enter a URL address.
5. Press <**Save**> to save the bookmark.

Accessing a bookmarked page

Scroll to a bookmark item and press ◎ .

Using bookmark options

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

• **Go to**: access the website.
• **Go to homepage**: go to the homepage.
• **Enter URL**: enter a URL address manually.
• **Add bookmark**: add a new bookmark item.
• **Bookmark**: add a website to the bookmark list or edit a bookmarked item.
• **Send URL**: send the URL address to other people via SMS.
• **Delete**: delete the selected bookmark item.
• **Delete all**: delete all of bookmark items. This option is only available for default bookmark items.

Saved pages *(Menu 4.4)*

You can open web pages you have saved while navigating the WAP browser, offline.

From the Saved pages screen, press <**Options**> to access the following options:

• **View**: show the web page.
• **Delete**: delete the selected web page or all of web pages.
• **Rename**: change the name of the web page.

Browser settings *(Menu 4.5)*

Use this menu to activate a browser profile to be used for connecting to a wireless web. ▶ p. 83

Messages *(Menu 5)*

Use the **Messages** menu to send and receive short text messages, multimedia messages, and e-mails. You can also use WAP push message, Voice mail, and Cell broadcast message features.

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

Create message *(Menu 5.1)*

Use this menu to create and send text messages, multimedia messages, or e-mails.

Text message *(Menu 5.1.1)*

You can send or receive text messages using Short Message Service (SMS).

☑ The maximum number of characters allowed in a short message varies by your service provider. If your message exceeds the maximum number of characters, the phone will split the message.

1. Enter your message.

   You can enter up to 918 standard characters, or approximately 402 Unicode characters, such as 'â'.

   Press <**Options**> and select **Insert** to retrieve a text template, contact entry, or bookmark.

2. Press ◎.

3. Enter a destination number.

   To send the message to more than one recipient, press ◯ and fill in additional destination fields.

4. Press ◎.

Multimedia message *(Menu 5.1.2)*

Multimedia Message Service (MMS) delivers messages containing a combination of text, image, video, and audio, from phone to phone or from phone to e-mail.

1. Enter the message subject in the **Subject** line.

2. Select the **Picture or video**, or **Sound** line and add an image, video, or audio file.

   ☑ The maximum size allowed for an MMS message can differ depending on the country. If you cannot attach another file, add another page.

3. Select the **Text** line.

4. Enter the message text and press ◎.

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

   • **Add**: add a photo, a video, or a sound to the message. Depending on the file type or DRM (Digital Rights Management) system, some files may not be able to be forwarded.

   • **Preview**: display the message you created.

   • **Edit style**: set page duration, font colour, or font style for the selected page or all of pages.

- **Insert text template**: retrieve a message template.
- **Text on top**: display the message text in the beginning of the message on the recipient's message screen.
- **Image on top**: display the attached image to the message in the beginning of the message on the recipient's message screen.
- **Edit text**: edit the message text.
- **Change picture/sound**: change the added images or sounds with another one.
- **Remove picture/sound/text**: remove the picture, sound, video, or text.
- **Add page**: add a page. Move to each page by pressing ◀ or ▶ on the message screen.
- **Delete page**: delete the added page.
- **Move pg forward**: move the current page to the next page.
- **Move pg backward**: move the current page to the previous page.
- **Save to Drafts**: save the message in the **Drafts** box.

- **Save as MMS template**: save the message as a template in the **MMS templates** folder.

6. Press <**Options**> and select **Send**.
7. Enter a phone number or e-mail address.

   To send the message to more than one recipient, press ◯ and fill in additional destination fields.
8. Press ◯.

E-maill *(Menu 5.1.3)*

You can send and receive e-mails that include text, audio, video clips, images, and calendar memos. To use this feature, you need to subscribe to an e-mail service and set up your e-mail profile and account. ▶ p. 55

1. Enter the subject of your e-mail in the **Subject** line.
2. Select the **Message** line and enter the e-mail text.
3. Move to the **Attach file(s)** line.

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

- **Add/Add file(s)**: add media files, contacts, or calendar memo. Depending on the file type or DRM (Digital Rights Management) system, some files may not be able to be forwarded.
- **Attached file list**: show the attached items.
- **Add contact details**: add a contact entry as a Vcard format.
- **Add V-calendar**: add calendar memos.
- **Save to Drafts**: save the e-mail in the **Draft** box.

5. Select an adding option and add files.
6. Press <**Options**> and select **Send**.
7. Enter an e-mail address.

   To send the e-mail to more than one recipient, press $\bigcirc$ and fill in additional destination fields.

8. Press $\bigcirc$.

Inbox *(Menu 5.2)*

This folder stores all types of messages you have received, except for e-mails, MMS, SMS, WAP push messages from the WAP server, and configuration messages.

Configuration messages, which are sent from your service provider, contains network parameters to let you easily apply the network settings to your phone.

Viewing a message at the time of its receipt

When a message has been received, the phone alerts you by:

- Displaying a message icon and text notification
- Sounding or vibrating, depending on the message alert setting.

To read a message immediately, press <**View**> and select a message from the Inbox. To read it later, press <**Exit**>.

For an MMS message, press <**Options**> and select **Retrieve**. The message is downloaded from the MMS server to the phone's memory.

Viewing a message in Inbox

On the message list, the following icons are available:

- ⊠ SMS
- 🖾 MMS
- 🖪 MMS notification; ➘ indicates that the message is being retrieved.
- 🌐 WAP push messages/OTA messages
- 🕲 CB messages

☑
- According to the DRM (Digital Rights Management) system, messages having web content may not be able to be forwarded. They are indicated by 🖘.
- A **!** icon next to the message means that the message is of high priority. The red icon means that the message is urgent.

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

- **View**: open the message.
- **Reply**: reply to the sender.

- **Reply to all**: send a reply to the sender and all of recipients.
- **Forward**: forward the message.
- **Retrieve**: retrieve the MMS message from the server.
- **Install**: apply the configuration specified in the message to your phone.
- **Go to URL**: connect to the URL specified in the message.
- **Delete**: delete the message or all of messages.
- **Protection**: protect the message from being deleted.
- **Details**: access information about the message.

Using message options

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

SMS messages

- **Call**: dial the number. This option is only available when you highlight a phone number in text.
- **Reply**: reply to the sender.

- **Forward**: forward the message.
- **Save contact to**: extract phone numbers from the message and save them in Phonebook.
- **Move to SIM**/**phone**: move the message between the phone's memory and the SIM card.
- **Delete**: delete the message.

MMS notifications/messages

- **Call**: dial the number. This option is only available when you highlight a phone number in text.
- **Create E-mail**: create a new mail. This option is only available when you highlight an e-mail address in text.
- **Retrieve**: retrieve the message from the server. This option is only available when you select a MMS notification.
- **Play**: play the message.
- **Reply**: send a message to the sender.
- **Reply to all**: send a reply to the sender and all of recipients.
- **Forward**: forward the message to another person.
- **Delete**: delete the message.

- **Save as MMS template**: save the message as a template in the **MMS templates** folder.
- **Save media items**: save media items from the message into your phone's memory.
- **Save contact to**: extract phone numbers from the message and save them in Phonebook.
- **Details**: access information about the message.

OTA messages

- **Install**: apply the configuration specified in the message to your phone.
- **Delete**: delete the message.

WAP push messages

- **Go to URL**: connect to the URL specified in the message.
- **Delete**: delete the message.

CB messages

- **Call**: dial the number. This option is only available when you highlight a phone number in text.
- **Send message**: send a message by SMS or MMS.

- **Save contact to**: extract URLs, e-mail addresses, or phone numbers from the message and save them in Phonebook.
- **Save**: save the message to the phone's memory.
- **Delete**: delete the message.

E-mail inbox *(Menu 5.3)*

This folder stores e-mails that you have received.

Viewing received e-mails

1. From the e-mail Inbox, press <**Options**>.
2. Select **Download** to get new e-mails from your server.

   The phone checks for new e-mails and retrieve received e-mails. The icons tell you the status of each e-mail:

   - ⬚📧: Retrieved e-mail header
   - 📧: Retrieved e-mail
   - 📧: Retrieved e-mail with attachments

☑
- ⬚ indicates that the e-mail is being retrieved and ⬚ indicates that the e-mail is failed to retrieve.
- According to the DRM (Digital Rights Management) system, messages having web content may not be able to be forwarded. They are indicated by 📧.
- An **!** icon means that an e-mail was sent with high priority. A grey icon means that the e-mail is of low priority.

3. Scroll to an e-mail or header and press ◯.
4. If the e-mail has more than one page, press [▲/▼] to scroll through pages one by one.
5. Select an attached file to view or play it.

Using e-mail options

While viewing the e-mail list or an e-mail, press <**Options**> to access the following options:

☑ Options may vary depending on the status of e-mails.

- **View**: open the selected e-mail.

- **Retrieve**: retrieve the body of the e-mail from the e-mail server.
- **Reply**: send a reply to the sender by MMS or e-mail.
- **Reply to all**: send a reply to all of the recipients.
- **Forward**: forward the e-mail.
- **Download**: retrieve all of e-mails from the e-mail server.
- **Save items**: save the files attached to the e-mail.
- **Save contact to**: extract phone numbers or e-mail addresses from the e-mail and save them in Phonebook.
- **Block**: add the sender's e-mail address or subjects to the Block list.
- **Delete**: delete the e-mail or all of e-mails.
- **Details**: access information about the e-mail.

Drafts *(Menu 5.4)*

This folder stores messages you have saved to send or tried to send.

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

- **View**: open the message.
- **Edit**: edit the message.
- **Send again**/**Send**: send the message.
- **Delete**: delete the message or all messages.
- **Details**: access information about the selected message.

Sentbox *(Menu 5.5)*

This folder stores messages that you have sent.

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

- **View**: open the message.
- **Play**: play the contents in the message.
- **Forward**: forward the message to other people.

- **Move to SIM**/**phone**: move the message between the phone's memory and the SIM card.
- **Delete**: delete the message or all messages.
- **Details**: access information about the e-mail or MMS message.

Voice mail *(Menu 5.6)*

Use this menu to access your voice mailbox, if your network supports this service.

You can quickly connect to voice mail server by pressing and holding [**1**] in Idle mode.

Templates *(Menu 5.7)*

Use this menu to create, edit, and send text templates and MMS templates.

Text templates *(Menu 5.7.1)*

Use this menu to preset a maximum of frequently used messages.

From the Text templates screen, press <**Options**> to access the following options:

- **Edit**: change the selected template.

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- **Send**: send the template as an SMS, MMS, or e-mail.
- **Add new**: add a new template.
- **Delete**: delete the template or all of templates.

MMS templates *(Menu 5.7.2)*

When you access this menu, you can view the list of templates you have saved.

From the MMS template list, press <**Options**> to access the following options:

- **View**: open the template message.
- **Edit**: change the selected one.
- **Send**: send the template as an MMS message.
- **Add new**: add a new template.
- **Delete**: delete the template or all of templates.

Delete all *(Menu 5.8)*

Use this menu to delete messages in each message folder one by one, or all at once.

Message settings *(Menu 5.9)*

Use this menu to set up various options for using messaging service.

SMS *(Menu 5.9.1)*

You can configure default SMS settings.

• **Settings x**: set the following properties in a profile:

  Centre address: store or change the number of your message centre.

  Expiration: set the length of time your messages are stored in the SMS centre while attempts are made to deliver them.

  Default type: set the default message type. The network can convert the messages into the selected format.

  Name: enter a profile name.

• **Sending options**: set up the following options for sending an SMS message:

  Reply path: allow the recipient to reply to you through your message centre.

Delivery report: set the network to inform you when your message has been delivered.

Network selection: select a preferred data transmission method.

Keep a copy: set your phone to leave copies of the messages in the **Sentbox** folder after sending them.

Character support: select a character encoding type. If you select **Automatic**, the phone switches the encoding type from GSM-alphabet to Unicode if you enter a unicode character. Use of unicode encoding will reduce the maximum of number in a message to about half. If this menu is not shown, your phone provides the Automatic character encoding by default.

MMS *(Menu 5.9.2)*

You can configure default MMS settings.

• **Sending options**: set up the following options for sending a multimedia message:

  Priority: set the priority level of your messages.

  Validity period: set the length of time your messages are stored in the message centre.

Delivery time: set a time delay before messages are sent.

Delivery report: set the network to inform you when your message has been delivered.

Read report: determine whether or not the phone sends a read-report request to the message's recipients.

Keep a copy: leave copies of the messages in the **Sentbox** folder after sending them.

• **Receiving options**: set up the following options for receiving a multimedia message:

Home network: determine if your phone retrieves new messages automatically when you are in your home service area.

Roaming network: determine if your phone retrieves new messages automatically when you are roaming in another network.

Home reception and Roaming reception have the following options:

- Autodownload: The phone automatically retrieves messages from the server.

- Manual: The phone displays notifications. Use the **Retrieve** option to manually download new messages.

- Restricted: The phone displays a new message icon without notifications when you receive a new message. This option is only available for Roaming network.

Delivery report: send a delivery report from the network to the sender.

Read report: determine whether or not the phone sends a read-report to the message's sender.

Anonymous reject: reject messages from anonymous senders.

• **MMS profiles**: select a connection profile to be used for MMS.

• **Message size**: select the maximum file size of MMS attachment. This file size may vary, depending on your country.

• **Default style**: set up the default display style for outgoing messages.

Page duration (sec): select a length of time the display shows one page in a message.

Font colour: select a font colour.

Font style: select a font style.

Background colour: select a background colour.

E-mail *(Menu 5.9.3)*

You can configure default e-mail settings.

☑ You cannot change e-mail profile settings while an e-mail is being sent or retrieved.

• **Sending options**: set up the following options for sending an e-mail:

From: set the sender name.

Sending account: select a default account.

Priority: change the priority level of your e-mails.

Keep a copy: leave copies of your e-mails in the **Sentbox** folder after sending them.

Send confirmation: inform you when your e-mail has been delivered.

Read reply: determine whether or not the phone sends a read-reply request to e-mail's recipients.

Add my contact details: allow your contact information to be attached to your e-mail.

Add signature: edit and attach your signature to e-mails.

• **Receiving options**: set up the following options for receiving an e-mail:

Retrieving option: select which parts of e-mails you want to retrieve from the e-mail server when you receive the e-mail.

Reject if over: determine the maximum size for incoming e-mails. Your phone will reject e-mails that exceed the specified size.

Read reply: determine whether or not the phone sends a read-reply to an e-mail's sender.

Block address: specify e-mail addresses to reject e-mails from the addresses.

Block subject: specify e-mail subjects to reject e-mails containing the subjects you have set.

• **E-mail profiles**: select a connection profile. For adding or editing a profile, refer to the **Connections** menu. ▶ p. 83

• **E-mail accounts**: select an account to be used and set up e-mail account. Press <**Options**> and select **Edit** to access the following options:

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Menu functions

Account name: enter a name for the currently selected account.

SMTP server: set the outgoing e-mail server address.

Retrieve server type: select the protocol for the incoming e-mail server. The remaining options depend on the protocol type setting.

Retrieve server: set the POP3 or IMP4 server address.

Retrieving option: (available with the IMP4 protocol) set whether or not the phone retrieves e-mails with attachments.

Retrieve count: (available with the IMP4 protocol) set the number of e-mails you will retrieve from the server.

Leave a copy of messages on the server: set to leave copies of the e-mails on the server.

My address: set your e-mail address.

User name: set the user name for the incoming e-mail server.

Password: set the password for the incoming e-mail server.

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User SMTP authentication: set the SMTP authentication. This option is used with for SMTP servers that require this.

Same as POP3: set the SMTP server address as POP3. If this option is checked, you need not to enter the user name and password for the SMTP authentication.

Voice mail (Menu 5.9.4)

You can change the number of the voicemail service centre.

Push message (Menu 5.9.5)

You can change the settings for receiving WAP push messages form the wireless web server. The following options are available:

- **Receive**: set how your phone receives push messages.

- **Service centre**: enter the address of the server from which you want to receive push messages, when the **Receive** option is set to **Optional**.

Broadcast *(Menu 5.9.6)*

You can change the settings for receiving CB messages. The following options are available:

Receive: select the reception of CB messages.

Channel list: indicate the channels from which you wish to receive CB messages. Please contact your service provider for further details.

From the Channel list screen, press <**Options**> to access the following options:

- **Save**: enable the selected channels.
- **Edit**: edit the selected channel. This option is only available when you select a saved channel
- **New**: add new channels.
- **Delete list**: delete channels.

Language: select the preferred language in which broadcast messages display.

Memory status *(Menu 5.0)*

Use this menu to view the memory status for text messages, CB messages, e-mails, or multimedia messages.

File manager *(Menu 6)*

The **File manager** menu allows you to access images, videos, ringtones, sounds, and other files stored in the phone's memory.

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

Images

This menu displays photos you have taken and images downloaded or received in messages.

Viewing an image

1. Select an image folder, **Photos**, **Downloads**, or **Caller ID**.
2. Scroll to an image and press ⃝.

Using the image options

While viewing the image list or an image, press
<**Options**> to access the following options:

• **View**: open the selected image.

• **Send**: send the image via MMS.

• **Set as**: set the image as your wallpaper or as a
  caller ID image for a Phonebook entry.

• **Real size**: display the image in the real size.

• **Slide show**: set all images to display as a slide
  show.

• **Edit**: change the properties of the image.

• **Move**: move the image to another folder.

• **Delete**: delete the image or all of images.

• **Rename**: change the name of the image.

• **Lock**: protect the image from being deleted.

• **Create folder**: add a new folder.

• **Details**: access information about the image.

Downloading images

1. Select **Downloads** using 🔘 or 🔘 .

2. Select **More photos**.

3. Press <**Options**> and select **Download**.

   After downloading items, they are saved in the
   Downloads folder.

Videos

This menu displays video clips you have recorded,
downloaded, or received in messages.

Playing a video clip

1. Select a video folder, **Videos** or **Downloads**.

2. Scroll to a video clip and press 🔘 . ▶ p. 40

Using the video options

While viewing the video list or a video clip, press
<**Options**> to access the following options:

• **Play/Pause**: play/pause the video clip.

• **Stop**: stop playback.

• **Open play list**: open the play list.

• **Show/Hide controller**: show or hide the control
  bar of Media player.

• **Send**: send the image via MMS.

• **Move**: move the image to another folder.

- **Delete**: delete the video clip or all of video clips.
- **Rename**: change the name of the video clip.
- **Lock**: prevent the image from being deleted.
- **Create folder**: add a new folder.
- **Details**: access information about the video clip.
- **Player settings**: change the default settings for playing files.

  Repeat: select a repeat mode.

  Shuffle: select a playing order.

  Volume: select a volume level.

  Hide controller: hide the control bar of Media player.
- **Streaming settings**: activate one of the streaming servers.

Downloading video clips

1. Select **Downloads** by pressing ◯ or ◯.
2. Select **More videos**.
3. Press <**Options**> and select **Download**.

   After downloading items, they are saved in the Downloads folder.

Ringtones

This menu displays ringtones you have downloaded or received in messages.

Playing a ringtone

Scroll to a ringtone and press ◯. ▶ p. 40

Using the ringtone options

While viewing the ringtone list or playing a ringtone, press <**Options**> to access the following options:

- **Play/Pause**: play or pause playback.
- **Stop**: stop playback.
- **Send**: send the ringtone via MMS.
- **Set as**: set the ringtone as your ringer for voice calls or video calls, or as a caller ID ringer for a Phonebook entry.
- **Move**: move the ringtone to another folder.
- **Delete**: delete the selected ringtone or all of ringtones.
- **Rename**: change the name of the ringtone.
- **Lock**: prevent the ringtone from being deleted.
- **Create folder**: add a new folder.

- **Open play list**: show the play list.
- **Details**: access information about the ringtone.
- **Player settings**: change the default settings for playing files.

  Repeat: select a repeat mode.

  Shuffle: select a playing order.

  Volume: select a volume level.

Downloading ringtones

1. Select **More ringtones**.
2. Press <**Options**> and select **Download**.

   After downloading items, they are saved in the Ringtones folder.

Sounds

This menu displays the sound files you have recorded, downloaded, or received in messages.

Playing a sound

1. Select a sound folder.
2. Scroll to a sound clip and press ◯. ▶ p. 61

Using the sound options

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

- **Play**: play the selected sound clip.
- **Send**: send the sound clip via MMS.
- **Move**: move the sound clip to another folder.
- **Delete**: delete the selected sound clip or all of sound clips.
- **Rename**: change the name of the sound clip.
- **Lock**: prevent the sound clip from being deleted.
- **Create folder**: add a new folder.
- **Details**: access information about the sound clip.

Other files

Files that you have received but which are not supported by your phone are stored in this folder. You cannot open these files on the phone. Unsupported file formats include *.doc, *.ppt, and *.txt.

While viewing the file list, press <**Options**> to access the options. ▶ p. 58

Memory status

You can check the total amount of memory for media items and the amount of memory currently in use in each media box.

Organiser & Tools *(Menu 7)*

The Organiser & Tools feature enables you to use various applications, alarms, and calendar.

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

Applications *(Menu 7.1)*

Use this menu to record voice memos, to use several convenient applications, such as voice recorder, calculator, converter, or world clock. You can also synchronise PIM data.

Voice recorder *(Menu 7.1.1)*

Use this menu to record voice memos. A voice memo can be up to five minutes long.

Recording a voice memo

1. Press ◯ to start recording.
2. Speak into the microphone.

   Press ◯ to pause or resume the recording.
3. When you finish, press <**Stop**>. The voice memo is automatically saved.

Playing a voice memo

1. From the Voice recorder screen, press <**Options**> and select **My sounds**.
2. Select a voice memo. The memo plays.

On the player screen, you can use the following keys:

keys	Function
◯	Plays or pauses.
◔	Switches between Playing mode and Recording mode.
◉	Stops playback.
◖	Goes to the previous file. Goes backward in a file when held down.

keys	Function
◯▶	Skips to the next file. Skips forward in a file when held down.
▲ / ▼	Adjusts the volume.

Using voice memo options

From the Voice recorder screen, press <**Options**> to access the following options:

- **Record**: record a new voice memo.
- **My sounds**: display the list of voice memos you have recorded.
- **Send**: send the voice memo via MMS.
- **Record settings**: change the default settings for recording a voice memo.

  Default name: change the default prefix of the voice memo.

  Recording time: select a maximum recording time.

PIM sync *(Menu 7.1.2)*

You can synchronise personal information with corresponding PC applications by using the Widesync program supplied with your phone.

Creating a synchronisation profile

1. Press <**Yes**> to confirm the creating.
2. Set up the following information for the profile:
   - **Profile name**: enter the setting name.
   - **Sync category**: select the application(s) you want to synchronize.
   - **Sync type**: select a synchronisation type.
3. When you finished, press <**Save**>.

Starting Synchronization

1. Make sure that your PC has the Widesync program installed and the phone and the PC are connected by a USB.
2. From the PIM sync screen, select a profile and press <**Options**>.
3. Select **Start sync**. The synchronization begins.

Changing the PIM sync options

From the PIM Sync screen, press <**Options**> to access the following options:

- **Start sync**: start a synchronisation by the currently selected profile.
- **View result**: show the result of the last synchronisation.
- **New sync profile**: create a new profile.
- **Edit sync profile**: change the properties of the currently selected profile.
- **Delete**: delete the selected profile or all of profiles.

Calculator *(Menu 7.1.3)*

Use this menu to perform basic arithmetic functions such as addition, subtraction, multiplication, and division.

1. Enter the first number.
   - Press the left soft key to include a decimal point or brackets.
   - Press [✻] or [#] to move the cursor.

2. Enter the operation for your calculation by pressing the Navigation keys.
3. Enter the second number.
4. Press ◯ to view the result.

Converter *(Menu 7.1.4)*

Use this menu for common conversions, such as currency and temperature.

1. Select the converter type you want.
2. Press ◐ or ◑ to select the original unit and press ◯.
3. Enter the value to be converted.
   - Press [✻] to insert a decimal point.
   - Press [#] to change the temperature to above zero (+) or below zero (-).
4. Press ◯.
5. Press ◐ or ◑ to select the unit you want to convert to.

   The equivalent value for the amount you entered displays.

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

- **Clear**: clear the current values.
- **Reverse**: reverse the conversion.
- **Currency rates**: display the currency rates list.

World clock (Menu 7.1.5)

Use this menu to set your local time zone and find out what time it is in another part of the world.

Setting your local time zone

1. From the world map, press 〈 or 〉 to select the city that corresponds to your home time zone. As the time line moves, the time and date of the given zone display.
2. Press ◎ to save the time zone.

Viewing and setting a foreign time zone

1. From the world map, press ◎.
2. Press 〈 or 〉 to select the foreign time zone you want to view.
3. Press ◎ to save the time zone.

Applying Daylight Savings Time

1. From the world map, press <**Options**> and select **Daylight saving**.
2. Press ◎ to check the time zone(s) you want.
3. Press <**Save**>.

Alarms (Menu 7.2)

Use this menu to set alarms to ring at a specific time.

Setting an alarm

1. Select the type of alarm.
2. Press 〈 or 〉 to select **On** on the **Alarm** line and press ◎.
3. Set the time for the alarm to sound.

    ☑ Your phone is preset to a 24-hour format. You can change the time format. ▶ p. 77

4. If you select **Wake up alarm**, set the repeat option.
5. Select the **Alert tone** line.
6. Select an alarm melody.
7. Press <**Options**> and select **Save**.

Stopping an alarm

When the alarm sounds, choose either of the following options to stop the alarm:

- Press <**OK**>.
- Press <**Snooze**> or any key to stop the wake-up alarm for 6 minutes. You can do this a maximum of 5 times.

Deactivating an alarm

1. Select the alarm you want to deactivate.
2. Select **Off** on the **Alarm** line.

Calendar *(Menu 7.3)*

Use this menu to keep track of your schedule, anniversary, and task, to view missed alarm events, and to make memos.

Monthly view *(Menu 7.3.1)*

Use this menu to keep track of your monthly schedule.

Consulting the calendar

When you select **Monthly view** to display the calendar, today's date is marked with a blue box.

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

- **View**: display the stored memo(s) for that date.
- **Add new**: add a new event, anniversary, task, or memo. You can schedule up to 190 events on the calendar, and schedule more than one event per day.
- **Weekly view**: display the week view screen.
- **Go to today**: display the current date.
- **Go to date**: display a specific date.
- **Delete**: delete the selected event or all of scheduled events.

Entering a new scheduled event

1. Select a date on the calendar.
2. Press <**Options**> and select **Add new** → **Schedule**.
3. Press ◯ and enter information or change the settings in the following entry fields:
   - **Title**: enter the title of the event.
   - **Details**: enter the event details.
   - **Start** and **End**: enter the starting and ending times for the event.

- **Start date** and **End date**: enter the starting and ending dates for the event.
- **Location**: enter information about the event location.
- **Alarm**: set an alarm for the event.
  before: set the time for the alarm.
- **Repeat**: select to set the event to recur and a repeat unit.
  until: if the event will recur, set the ending date.
- **Expiry**: set when the event will be deleted from the calendar.

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

Entering a new anniversary

1. Select a date on the calendar.
2. Press <**Options**> and select **Add new** → **Anniversary**.
3. Press ○ and enter information or change the settings in the following entry fields:
   - **Occasion**: enter information about the anniversary.

- **Date**: enter the date.
- **Alarm**: select to set an alarm for the anniversary.
  before: set the day for the alarm.
  alarm time: enter the time for the alarm sound.
- **Repeat every year**: select to set the phone to remind you of the anniversary every year.

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

Entering a task

1. Select a date on the calendar.
2. Press <**Options**> and select **Add new** → **Task**.
3. Press ○ and enter information or change the settings in the following entry fields:
   - **Task**: enter information about the task.
   - **Start date**: enter the starting date.
   - **Due date**: enter the ending date.
   - **Priority**: select a priority level.

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

Entering a memo

1. Press <**Options**> and select **Add new** → **Memo**.
2. Enter the memo text and press $\bigcirc$.
3. Enter the date and press <**Save**>.

Viewing an event

Square brackets on a calendar date indicate the following type of events scheduled for that day:

- Green: schedule
- Red: anniversary
- Blue: task
- Orange: memo

1. Select a date on the calendar to display the events for that day. The list of events displays.
   The following icons indicate the type of event:
   - 📋 Scheduled events
   - ⭐ Anniversaries
   - ✅ Tasks
   - 📝 Memos
2. Select an event to view its details.

Using event options

From the event list, press <**Options**> to access the following options:

- **View**: access the selected event.

- **Add new**: add a new event.
- **Completed**: change the status of the event.
- **Monthly view**: switch to the month view screen.
- **Weekly view**: switch to the week view screen.
- **Change date/Change due date/Reschedule**: change the date of the event.
- **Delete**: delete the event or all of events.
- **Send memo**: send the memo via a text message.

Weekly view *(Menu 7.3.2)*

Use this menu to view events for the selected week. The current date is marked in blue. Sky blue boxes indicate scheduled events.

Select the cell that contains the event you want.

Daily view *(Menu 7.3.3)*

Use this menu to view events for the selected date.

Select an event to view its details.

Schedule *(Menu 7.3.4)*

This menu displays the scheduled events. If you have set the Repeat and Alarm options, the 🔄 and 🔔 icons display.

Select an event to view its details.

Anniversary *(Menu 7.3.5)*

This menu displays anniversaries you have created. If you have set the Repeat and Alarm options, the 🔄 and 🔔 icons display.

Select an event to view its details.

Task *(Menu 7.3.6)*

Use this menu to display tasks you have created. The icons on the right indicate the importance: the lower the number on the icon, the higher the priority.

A check mark appears in the status check box if the task has been completed. The options you can use are the same as in Day view.

Memo *(Menu 7.3.7)*

This menu displays memos you have created.

Select a memo to view its details.

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Missed event alarm *(Menu 7.3.8)*

When you are unable to acknowledge an alarm, the phone displays a missed alarm notification.

- Press <**View**> to view the corresponding event.
- Press <**Exit**>.

Viewing a missed event alarm

1. From the **Calendar** menu, select **Missed event alarm**.
2. Select an event.
3. Press <**Confirm**> to confirm and delete the event.

Using missed alarm options

From the event list, press <**Options**> to access the following options:

- **View**: display the event.
- **Delete**: delete the event.
- **Delete all**: delete all of events.

Sim Tool Kit (Menu 7.4)

This menu is available if you use a SIM AT card that provides additional services, such as news, weather, sports, entertainment, and location services. Available services may vary, depending on your service provider's plans.

For details, see your SIM card instructions or contact your service provider.

Memory status (Menu 7.5)

This menu displays the number of events you have created and the total number of events you can store.

Camera (Menu 8)

You can use the camera module embedded in your phone to take photos and record videos.

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

☑ • 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 8.1)

This menu allows you to take a photo. The camera produce JPEG photos.

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

1. To turn on the camera, simply rotate the LCD compartment 90 degree, as shown, or access the **Take photo** menu.

2. Adjust the image by rotating the camera lens and aim it at the subject, as shown.
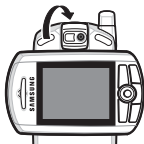
- Press the left soft key to use the camera options. See the next section.
- Use the keypad to change the camera settings or switch to other modes. ▶ p. 71

3. Press ◎ to take a photo. The photo is saved in the **Photos** folder.

> ☑ Hold the phone still for one or two seconds after pressing the camera shutter key to allow the image data to process.

4. **To**	**Press**
use photo options	the left soft key. ▶ p. 72
delete the photo	[**C**].
return to Capture mode	◎ or the right soft key.

Using camera options in Capture mode

In Capture mode, press the left soft key to access the following options:

- **Take photo**: take a photo.
- **Record video**: switch to Record mode.
- **Shooting mode**: take a photo in the following modes:

  Single shot: take a photo in the normal mode.

  Multi shot: take several action stills. You can select the number of shots.

  Mosaic shot: take several stills and save them in one frame. Select the number of still images the camera will take.

- **Effects**: change the colour tone or apply a special effect to the photo.

- **Frames**: apply a decorative frame.
- **Flash**: use one of the following flash options:

  Off: turn off the flash.

  Shooting only: turn the flash on for the current shot. After you take a photo, the flash turns off.

  Permanent: use the flash when you take a photo.
- **Timer**: set a time delay before the camera takes a photo.
- **Brightness**: adjust the image brightness.
- **My photos**: display the photos stored in the **Photos** folder.
- **Settings**: change the default settings for taking a photo.

  Size: select an image size.

  Quality: select an image quality.

  Viewfinder: select a preview mode, **Full screen** or **Standard ratio**.

  Shutter sound: select the sound that you hear when you press the shutter, ⃝.

  Multishot speed: select the multi-shot speed.

Default name: change the default prefix of the file name.

- **Short cuts**: show you the functions of the keys you can use.

Using the keypad in Capture mode

You can use the keypad to customise your camera settings in Capture mode.

Key	Function
▲	Flips the image vertically.
▼	Shows the mirror image.
◖/◗	Adjusts the brightness of the image.
◖/◗	Zooms in or out.
1	Switches to Record mode. ▶ p. 72
2	Changes the image size.
3	Changes the image quality.
4	Changes the camera mode.

Key	Function
5	Changes the colour tone or applies a special effect to the photo.
7	Selects a decorative frame.
8	Sets the timer.
9	Shows the photos stored in the **Photos** folder.
0	changes the flash setting.
✶	Changes the preview mode.

Using photo options

After saving a photo, press the left soft key to access the following options:

- **Take another**: return to Capture mode.
- **Send**: send the photo via MMS.
- **Set as**: set the photo as your wallpaper or as a caller ID image for a Phonebook entry.
- **Delete**: delete the photo.
- **Rename**: change the name of the photo.

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- **My photos**: display the photos stored in the **Photos** folder.
- **Details**: access information about the photo.

Record video *(Menu 8.2)*

You can use your phone just like a camcorder to record what is currently displayed on the camera screen and save it as a video file.

1. To turn on the camera, rotate the LCD compartment 90 degree couterclockwise, and press [**1**].

   Alternatively, access the **Record video** menu.

2. Adjust the image by rotating the camera lens and aiming it at the subject
   - Press the left soft key to use the camera options. See the next section.
   - Use the keypad to change the camera settings or switch to other modes. ▶ p. 74

3. Press ◎ to start recording.

   Press the left soft key to pause and resume the recording.

4. When you have finished, press the right soft key. The video automatically saves in the **Videos** folder.

5.
To	Press
play back the video clip	◎.
return to Record mode	the right soft key.
use the video options	the left soft key. ▶ p. 74
delete the video clip	[**C**].

Using camera options in Record mode

In Record mode, press the left soft key to access the following options:

- **Record video**: start recording.
- **Take photo**: switch to Capture mode.
- **Effects**: change the colour tone or apply a special effect to a video.
- **Flash**: use one of the following flash options:
  Off: turn off the flash.

  Shooting only: turn on the flash for the current shot. After you record a video, the flash turns off.

Permanent: use the flash when you record a video.

- **Timer**: set a time delay before the camera starts recording a video.
- **Brightness**: adjust the image brightness.
- **My videos**: display the video clips stored in the **Videos** folder.
- **Settings**: change the following settings for recording a video:

  Recording mode: select a video recording mode.
  Select **Limit for MMS** to record a video suitable for an MMS message.
  Select **Normal** to record a video within the limit of the currently available memory. The length of your video is determined by how much memory has been used.

  Size: select an image size.

  Quality: select an image quality.

  Audio record: record audio with a video clip.

  Default name: change the default prefix of the video name.

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• **Short cuts**: display the functions of the keys you can use.

Using the keypad in Record mode

You can use the keypad to customise your camera settings in Record mode:

Key	Function
▲	Flips the image vertically.
▼	Shows the mirror image.
◑/◐	Adjusts the image brightness.
◔/◕	Zooms in or out.
1	Switches to Capture mode. ▶ p. 69
2	Changes the frame size.
3	Changes the image quality.
4	Changes the video recording mode.
5	Changes the color tone or applies a special effect to the video image.
7	Turns the audio on or off.

Key	Function
8	Sets the timer.
9	Shows the video clips stored in the **Videos** folder.
0	Changes the flash setting.

Using video options

After saving a video clip, press the left soft key to access the following options:

• **Play**: play back the video clip.
• **Record another**: return to Record mode.
• **Send**: send the video clip via MMS.
• **Delete**: delete the video clip.
• **Rename**: change the name of the video clip.
• **My videos**: go to the **Videos** folder.
• **Details**: access information about the video clip.

Settings (Menu 9)

Use this menu to customise your phone settings. You can also reset the settings to their default values.

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

Phone settings (Menu 9.1)

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

Phone profiles (Menu 9.1.1)

Use this menu to adjust and customise the phone tone for different events or situations.

Changing the profiles

1. On the Phone profiles screen, select a profile.
2. Press <**Options**> and select **Save**.

Customising the profiles

1. Select a profile and press <**Options**>.
2. Select **Edit**.

3. Change the settings in the following fields:
   - **Call alert type**: select the alert type for the call ringer.
   - **Voice call/V-call ringtone**: select a ringtone for voice calls or video calls.
   - **Tone volume**: adjust the volume level of the alert tones.
   - **Msg. alert type**: select the alert type for the message ringer.
   - **Msg. alert tone**: select the melody or tone to be used.
   - **Msg. alert repetition**: specify how often the phone informs you of a new message.
   - **Phone sounds**: turn the following alert sounds on or off.

     All: enable all tones.

     Popup box alerts: cause the phone to beep when a pop-up window displays.

     Minute minder: cause the phone to beep every minute during an outgoing call to keep you informed of the length of your call.

Call connect tone: cause the phone to beep when it connected to the system.

Call end tone: cause the phone to beep when the other person ends a call.

Power on: cause the phone to beep when you turn on the phone.

Sound effect: cause the phone to beep when you access the menu.

Alerts on call: cause the phone to beep when you receive a new message or when the time for an alarm comes during a call.

- **Keytones**: select a tone which sounds when you press a key.
- **Keytone volume**: adjust the volume level of the key tones.
- **Call answer mode**: set how to answer an incoming call.

Language *(Menu 9.1.2)*

Use this menu to select one of several languages for the display text or T9 input mode.

Assign rintone *(Menu 9.1 3)*

Use this menu to change the alert type and assign a ring tone for each event on your phone, separately from profile settings. ▶ p. 75

Shortcuts *(Menu 9.1.4)*

You can use the Navigation keys as shortcut keys to access specific menus directly from Idle mode. Use this menu to change these shortcut assignments.

Assigning a shortcut to a key

1. Select the key to be used as a shortcut key.
2. Select the menu that will be assigned to the key.
3. Press <**Save**>.

Using the shortcut options

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

- **Assign**: assign a shortcut menu to an empty location.
- **Change**: change a shortcut menu.
- **Remove**: deactivate the shortcut assignment to the selected key.

- **Remove all**: deactivate all of the shortcut assignments.

Time & Date *(Menu 9.1.5)*

Use this menu to change the time and date displayed on your phone. Before setting the time and date, specify your time zone in the **World clock** menu.
▶ p. 64

- **Date**: enter the current date.
- **Time**: enter the current time.
- **Time format**: select a 12-hour or 24-hour time format.
- **Date format**: select a date format.
- **Daylight saving**: activate daylight savings time.
- **Start on Sunday**: change the starting date on the calendar to Sunday.

Auto keypad lock *(Menu 9.1.6)*

Use this menu to set the keypad to automatically lock after the specified time.

Any key answer *(Menu 9.1.7)*

Use this menu to answer an incoming call by pressing any key, except [🔚] or <**Reject**>.

Rotation preview *(Menu 9.1.8)*

Use this menu to select whether or not the phone accesses Camera preview mode when you rotate the phone's screen in Idle mode.

Master reset *(Menu 9.1.9)*

Use this menu to reset the phone to its default settings.

1. Enter the phone password and press <**Confirm**>.

   ☑ The password is preset to **00000000**. You can change this password ▶ p. 85

2. Press <**Yes**>. The phone automatically turns itself off and then back on.

Display settings *(Menu 9.2)*

Use this menu to change settings for the display.

Greeting message *(Menu 9.2.1)*

Use this menu to enter the greeting that is displayed briefly when the phone is switched on.

Wallpaper *(Menu 9.2.2)*

You can change the background image that is displayed in Idle mode.

Select an image from the following image categories.

- **Photos**: select one of photos you have taken or preset images.
- **Downloads**: select one of images you have downloaded.
- **Caller ID**: select one of default caller ID images.

Backlight time *(Menu 9.2.3)*

You can select the length of time the backlight and the display are on.

- **On**: select the length of time the backlight is on at times of inactivity.

- **Dim**: select the length of time the display is in Dimming mode after the backlight turns off. After a specified time, the display turns off.

Service light *(Menu 9.2.4)*

The service light on the phone blinks to indicate the service status. Use this menu to activate or deactivate this feature of the service light.

Message settings *(Menu 9.3)*

Use this menu to change the default settings for using the message feature. ▶ p. 53

Call settings *(Menu 9.4)*

Use this menu to set options for calls.

Show my number *(Menu 9.4.1)*

Use this menu to prevent your phone number from being displayed on the phone of the person being called.

☑ some networks do not allow the user to change this setting.

- **By network**: use the default setting provided by the network.
- **Send**: send your number each time you make a call.
- **Hide**: ensure your number does not display on the other person's phone.

Diverts *(Menu 9.4.2)*

This network service reroutes incoming calls to a different phone number that you specify.

1. Select the type of calls to be diverted.
2. Select a call diverting option:
    - **Always**: divert all calls.
    - **Busy**: divert calls when you are on another call.
    - **No reply**: divert calls when you do not answer the phone.
    - **Not reachable**: divert calls when you are not in an area covered by your service provider or when your phone is switched off.
    - **Cancel all**: cancel all of call diverting options.

3. Enter the number to which the calls will be diverted in the **Diverts to** line.
4. If you selected **No reply**, move to the **Waiting time** line and select the length of time the network delays before diverting a call.
5. Press <**Options**> and select **Activate**.
   To deactivate, select **Deactivate**.

Barring *(Menu 9.4.3)*

This network service allows you to restrict your calls.

1. Select the type of calls to be barred.
2. Select a call barring option:
    - **All outgoing calls**: prohibit all outgoing calls.
    - **Outgoing int'l calls**: prohibit international calls.
    - **Int'l call exc. Home**: only allow calls to numbers within the current country when you are abroad, and to your home country, defined as where your home network provider is located.
    - **All incoming calls**: prohibit incoming calls.

- **Incoming calls when roaming**: prohibit incoming calls when you use your phone outside of your home country.
- **Cancel all**: cancel all of call barring settings, allowing calls to be sent and received normally.

3. Enter the call barring password supplied by your service provider.

4. Press <**Options**> and select **Activate**. To deactivate the call barring, select **Deactivate**.

☑ You can change the call barring password obtained from your service provider. From the call barring list, press <**Options**> and select **Change password**.

Waiting *(Menu 9.4.4)*

This network service informs you when someone is trying to reach you while you are on another call.

1. Select the type of calls to which the call waiting option will apply.

2. Press <**Options**> and select **Activate**. To deactivate the call waiting, select **Deactivate**.

Auto redial *(Menu 9.4.5)*

Use this menu to make up to ten attempts to redial a phone number after an unsuccessful call.

Video call settings *(Menu 9.4.6)*

Use this menu to change the default settings for using the video call feature.

- **Show me**: change the video camera settings for receipt of video calls.

  Optionally: you can select whether or not the video camera is used.

  Always: the video camera is always used.

- **Retry with**: set how to retry when the phone fails to make a video call.

Phonebook settings *(Menu 9.5)*

Use this menu to change the settings for using Phonebook. ▶ p. 38

Connectivity (Menu 9.6)

Use this menu to set options for connection available on your phone.

Bluetooth (Menu 9.6.1)

Using Bluetooth, you can converse with the person on the phone without having to hold the phone to ear using an optional Bluetooth headset or Bluetooth-enabled hands-free kit.

☑ • You cannot use the Bluetooth feature while using multimedia features such as voice recorder, camera, and Media player, or vice versa.
  • Some devices may not be compatible with your phone.

Setting up the Bluetooth feature

The **Bluetooth** menu provides the following options:

- **Activation**: activate or deactivate the Bluetooth feature.
- **My devices**: search for connectable Bluetooth devices. See the next section.
- **My phone's visibility**: allow other Bluetooth devices to connect to your phone.

- **My phone's name**: assign a Bluetooth device name to your phone, which is then displayed on other devices.
- **Secure mode**: determine if the phone asks for your confirmation when other devices access your data.
- **Bluetooth services**: display available Bluetooth services.

Searching for and connecting a Bluetooth device

1. From the Bluetooth setting options, select **My devices**.

2. Press **Search**.

   After searching, a list of devices to which you can connect displays. The following icons indicate the kind of device:

   - 📠 Hands-free or headset
   - 📱 Mobile phone
   - 🖥 Computer
   - 📱 PDA
   - 📠 Unknown device

   The colour of the icon indicates the status of the device:

- Grey for unpaired devices
- Blue for paired devices
- Red for devices that are currently connected to your phone
3. Select a headset or hands-free.
4. Enter a Bluetooth PIN code of up to 16 digits and press <**OK**>. This code is used just once and you don't need to memorise it.

   When the owner of the other device enter the same code, pairing is finished.

> Some devices, especially headsets or hands-free car kits, may have a fixed Bluetooth PIN, such as **0000**. If the other device has one, you must enter the code.

Using device options

From the device list, press <**Options**> to access the following options:

- **Connect**: connect to the currently selected device.
- **Disconnect**: end the connection with the device.
- **Service list**: access available Bluetooth services.
- **Rename**: rename the paired device.

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- **Authorise device/Unauthorise device**: determine if the phone asks you to permit connection when other devices try to connect to your phone.
- **Delete**: delete the device or all of devices.

Converse with the person on the phone using a Blutooth headset

> You can purchase an optional Bluetooth headset or handsfree at Samsung dealer.

1. During a call, put on an optional headset.
2. Press <**Options**> and select **Switch to headset**.
   You can talk to the other person via the headset.

Select network *(Menu 9.6.2)*

This network service allows you to either automatically or manually select the network used when roaming outside of your home area.

You can select a network other than your home network only if there is a valid roaming agreement between the two.

- **Automatic**: connect to the first available network when roaming.

• **Manual**: select the network you want.

Network mode *(Menu 9.6.3)*

The Network mode feature enables you to select the network you use.

• **Automatic**: the phone scans for available networks.
• **GSM**: The phone operates in GSM network.
• **UMTS**: The phone operates UMTS (3G) network. You can get a higher speed quality than on lower generation networks, and use advanced data and information services, such as video calls.

Connections *(Menu 9.6.4)*

You can set up information about your network connection. In most cases, you don't need to change the settings. In case of problems, please contact your service provider.

Adding a connection profile

Press <**Options**> and select **New**. The following options are available:

• **Set name**: edit the name of the network setting.

• **Access name**: edit the access point name used for the address of the GPRS network gateway.
• **Auth type**: choose the type of authentication used.
• **User ID**: edit the server login ID.
• **Password**: edit the server password.
• **Protocol**: select the protocol from among HTTP, WAP, and Other.
• **Home URL**: enter your homepage address.
• **Proxy address/Port**: (available only with the HTTP protocol) set the proxy server address and port.
• **Gateway address**: (available only with the WAP protocol) set the gateway address.
• **Secure connection**: (available only with the WAP protocol) turn the secure mode on or off.
• **Linger time(sec.)**: set a time period after which the network is disconnected if there has been no new data traffic in that time.
• **Advanced settings**: provide you with the following options:

Static IP: specify if you want to manually enter an IP address; see the Local phone IP option. If you want the IP address to be automatically assigned by the server, remove the check mark.

Local phone IP: enter the IP address obtained from the network operator, if you checked the Static IP option.

Static DNS: specify if you want to manually enter the DNS (Domain Name Server) address; see the Server 1/2 option. If you want the address to be automatically assigned by the server, remove the check mark.

Server 1/2: enter the Domain Name Server addresses.

Traffic class: select the traffic class, if you selected the PS network.

Managing browser profiles

You can add a new connection and edit or delete an existing connection.

> ☑ You cannot edit or delete the default connections.

On the list of connections, select a connection and press <**Options**> to access the following options:

- **View**: display the selected connection.
- **Edit**: edit the selected connection.
- **New**: add a new connection.
- **Rename**: change the name of the selected connection.
- **Delete**: delete the selected connection.

Browser settings *(Menu 9.6.5)*

Use this menu to activate a browser profile to be used for connecting to a wireless web. ▶ p. 83

Streaming settings *(Menu 9.6.6)*

Use this menu to activate a connection profile to be used for accessing a streaming server.

Security *(Menu 9.7)*

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

☑ If you enter an incorrect PIN/PIN2 three times in succession, the SIM card is blocked. To unblock it, you need to enter your PUK/PUK2 (Personal Unblocking Key). The codes are supplied by your network operator.

Phone lock *(Menu 9.7.1)*

The Phone Lock feature locks the phone from unauthorised use.

When this feature is enabled, you must enter a 4- to 8-digit phone password each time the phone is switched on.

The password is preset to **00000000**. To change the password, use the **Change phone password** menu.

SIM lock *(Menu 9.7.2)*

The SIM Lock feature allows your phone to work only with the current SIM by assigning a SIM lock code. You must enter the SIM lock code to use a different SIM card.

PIN lock *(Menu 9.7.3)*

The 4- to 8-digit PIN (Personal Identification Number) protects your SIM card against unauthorised use. When this feature is enabled, the phone requires your PIN each time it is switched on.

Fixed dialling mode *(Menu 9.7.4)*

If supported by your SIM card, Fixed Dial Number (FDN) mode restricts your outgoing calls to a limited set of phone numbers. When this feature is enabled, you can make calls only to phone numbers stored on the SIM card. To use this feature, you must enter your PIN2.

Change phone password *(Menu 9.7.5)*

Use this menu to change your phone password. The password is preset to **00000000**.

Solve problems

Privacy lock *(Menu 9.7.6)*

Use this menu to lock your messages and media contents.

1. Press $\bigcirc$ to check the item(s) to lock.
2. Press <**Save**> to lock the marked items.
3. Enter the phone password and press <**Confirm**>.

To access a locked item, you need to enter the phone password.

Change PIN code *(Menu 9.7.7)*

Use this menu to change your PIN. The PIN Check feature must be enabled to use this feature.

Change PIN2 code *(Menu 9.7.8)*

If supported by your SIM card, the Change PIN2 feature changes your current PIN2.

Memory status *(Menu 9.8)*

Use this menu to check the amount of memory being used for storing data in **Phone**, **MMS**, **SMS**, **Broadcast**, **E-mail**, **File manager**, **Contacts**, **Calendar**, and **Java**.

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:

"Please insert SIM card"

• Be sure that the SIM card is correctly installed.

"Phone lock"

• The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

"PIN lock"

• You are using your phone for the first time. You must enter the PIN supplied with the SIM 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 lock** menu.

"PUK lock"

• 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 you have accessed the right cellular network.

• Be sure that you have not set an outgoing call barring option.

Your correspondent cannot reach you

• Be sure your phone is switched on. ([⟋] pressed for more than one second.)

• Be sure you are accessing the correct cellular network.

• Be sure that you have not set an incoming call barring option.

Your correspondent cannot hear you speaking

• Be sure you have switched on the microphone.

• Be sure 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 Search feature to ensure the number has been stored correctly.
- Re-store the number, if necessary.

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.

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SAR certification information

This phone meets European Union (EU) requirements concerning exposure to radio waves.

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured to not exceed the limits for exposure to radio-frequency (RF) energy, as recommended by the EU Council. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines were developed by independent scientific organisations through the periodic and thorough evaluation of scientific studies. The limits include a substantial safety margin designed to ensure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as Specific Absorption Rate (SAR). The SAR limit recommended by the EU Council is 2.0W/kg.[*]

The highest SAR value for this model phone was 0.842W/kg.

SAR tests are conducted using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a new model phone is available for sale to the public, compliance with the European R&TTE Directive must be shown. This directive includes as one of its essential requirements the protection of the health and safety of the user and any other person.

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* The SAR limit for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of body tissue. The limit incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. The SAR values may vary, depending on national reporting requirements and the network band.

Precautions when using batteries

- Never use a 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 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. Disconnect the charger from the power source when it is not in use. 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.

Health and safety information

- Do not leave the battery in hot or cold places because the capacity and lifetime of the battery will be reduced. Try to keep the battery at room temperature. A phone with a hot or cold battery may not work temporarily, 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 like a coin, clip or pen causes a direct connection between the + and – terminals of the battery (metal strips on the battery). For example, do not carry a spare battery in a pocket or bag where the battery may contact metal objects. 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 while driving, follow local regulations in the country or region you are in.

Operating environment

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

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

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

Electronic devices

Most modern electronic equipment 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. If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.s

Other medical devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy.

Your physician may be able to assist you in obtaining this information.

Switch off your phone in health care facilities when regulations posted in these areas instruct you to do so.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle.

You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted facilities

Switch off your phone in any facility where posted notices require you to do so.

Potentially explosive environments

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

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

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include 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 like medical emergencies.

To make or receive 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. Switch on the phone.
2. Key in the emergency number for your present location. Emergency numbers vary by location.
3. Press [🗘].

Certain features like Call Barring may need to be deactivated before you can make an emergency call. Consult this document and your local cellular service provider.

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 installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. Improperly installed wireless equipment could result in serious injury if the air bag inflates.
- Switch off your phone before boarding an aircraft. It is dangerous and illegal to use wireless phones in an aircraft because they can interfere with the operation of the aircraft.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Care and maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity, and liquids contain minerals that 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.

- 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, stove, or 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.

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Declaration of Conformity (R&TTE)

For the following product:

GSM900/GSM1800/WCDMA

Portable Cellular Telephone

(Product description)

SGH-Z130

(Model name)

Manufactured at:

Samsung Electronics Co., Ltd, 94-1 Imsu-Dong, Gumi City, Kyung Buk. Korea, 730-350

(factory name, address*)

to which this declaration relates, is in conformity with the following standards and/or other normative documents.

Safety   :EN 60950-1:2001

EMC   :EN 301 489-01 v1.4.1 (2002-08)
           :EN 301 489-07 v1.2.1 (2002-08)
           :EN 301 489-17 v1.2.1 (2002-08)
           :EN 301 489-24 v1.2.1 (2002-11)

SAR   :EN 50360:2001
           :EN 50361:2001

Network   :EN 300 328-1;(A1) v1.3.1 (2001-12)
           :EN 300 328-2;(A1) v1.2.1 (2001-12)
           :EN 301 511 v7.0.1 (2000-12)
           :EN 301 908- 1 v2.2.1 (2003-10)
           :EN 301 908- 2 v2.2.1 (2003-10)

We hereby declare that [all essential radio test suites have been carried out and that] the above named product is in conformity to all the essential requirements of Directive 1999/5/EC.

The conformity assessment procedure referred to in Article 10 and detailed in Annex[IV] of Directive 1999/5/EC has been followed with the involvement of the following Notified Body(ies):

BABT, Claremont House, 34 Molesey Road,
Walton-on-Thames, KT12 4RQ, UK
Identification mark: 0168

$C \in 0168$

The technical documentation kept at:

Samsung Electronics Euro QA Lab.

which will be made available upon request.

(Representative in the EU)

Samsung Electronics Euro QA Lab.
Blackbushe Business Park, Saxony Way,
Yateley, Hampshire, GU46 6GG, UK
2005. 02.09

(place and date of issue)

Yong-Sang Park /S. Manager

(name and signature of authorised person)