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

SAMSUNG ELECTRONICS

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SGH-Z310
User’s Manual

Important safety precautions

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

Use road safety at all times

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

Switch off the phone when refuelling

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

Switch off in an aircraft

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

Switch off the phone near all medical equipment

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

Interference

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

Be aware of special regulations

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

Water resistance

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

Sensible use

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

Emergency calls

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

Keep your phone away from small children

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

Accessories and batteries

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

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

Qualified service

Only qualified service personnel may repair your phone.

For more detailed safety information, see "Health and safety information" on page 78.

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, [**OK**]
< >	Indicates a soft key, whose function is displayed on the phone screen. For example, <**Msg.**>

- **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. You can enjoy high quality videos and music.

- **IrDA**
  Send and receive Phonebook and Oganiser data and media files via an infrared port.

- **Bluetooth**
  Send photos, images, videos, and other personal data, and connect to other devices using free, wireless Bluetooth technology.

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

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

- **Get personal with photo caller ID**
  See who's calling you with their very own photo displays.

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

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* Shows only if supported by your USIM/SIM card.

** Shows only if supported by your service provider.

*** Shows only if a memory card is inserted into the phone.

Unpack

Make sure you have each item

Phone

Travel Charger

Battery

PC Data Cable

PC Link CD

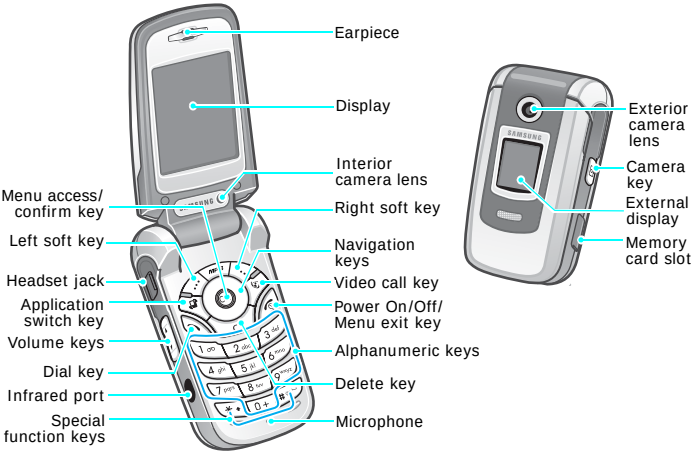
User's Manual

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



Get started

First steps to operating your phone

USIM/SIM card information

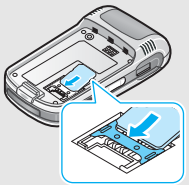
When you subscribe to a cellular network, you receive a plug-in SIM (Subscriber Identity Module) card loaded with your subscription details, such as your PIN and available optional services. For 3G services, you can purchase a USIM (Universal Subscriber Identity Module) card.

Install and charge the phone

1 Remove the battery.

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

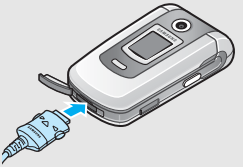
2 Insert the USIM/SIM card.



☑ 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 installed or is operating at a too high or too low temperature.

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

7 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.

Power on or off

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

Keys and display

Key(s)	Description
	Perform the function indicated on the bottom line of the display.
	Opens the Media player.
	In Idle mode, access menu options directly. ▶ p. 67 In Menu mode, scroll through the menu options.
	In Idle mode, accesses Menu mode. In Menu mode, select a highlighted menu option.
	Opens the application switch window to open **Call**, **Messages**, and **Internet** without exiting the current application.
	Makes a video call.
	Makes or answers a call. In Idle mode, retrieves the recent number dialled, missed, or received.

Key(s)	Description
	Deletes characters from the display or an item in an application.
	Ends a call. Hold down to switch the phone on and off. In Menu mode, cancel input and return the phone to Idle mode.
	Enter numbers, letters, and some special characters. In Idle mode, hold [**1**] down to access your voicemail. Hold [**0**] down to enter an international call prefix.
	Enter special characters. Hold [#] down to activate or deactivate the Silent profile. Hold [*] down to enter a pause between numbers.
(on the left)	Adjust the phone volume. In Idle mode, adjust the keypad tone volume. With the phone closed, hold down to activate the external display.
(on the right)	Hold down to turn on the camera. In Camera mode, switches the camera lens.

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
	Accessing services in a 2.5G network; when transferring data, this icon animates
	Accessing services in a 3G network; when transferring data, this icon animates
	Active roaming feature
	Voice call in progress
	Out of your service area; you cannot send or receive voice calls
	Video call in progress

Icons (continued)

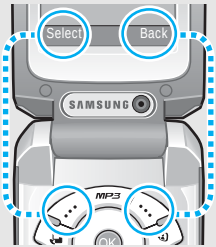
	Out of your service area; you cannot send or receive video calls
	Bluetooth feature is active; when transferring data, this icon blinks red and blue ▶ p. 71
	Connected with a Bluetooth headset or hands-free kit
	IrDA port is active ▶ p. 72
	Memory card inserted
	Connected with a computer via a USB port
	Browsing the Internet on a PC using the phone as a modem
	Connected to a secured web page
	New message; depending on the message type, the following icons may appear. • : SMS • : MMS or MMS with attachments • : E-mail • : Voicemail • : WAP push • : Configuration message

Icons (continued)		Inbox full; depending on the message type, the following icons may appear. • : SMS • : MMS or MMS with attachments • : E-mail • : Voicemail • : WAP push • : Configuration message
		Profile setting ▶ p. 67 • : Normal • : Meeting • : Car • : Silent • : Outdoor
		Battery power level

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.



Press the left soft key to confirm the function displayed or option highlighted.

Press the right soft key to move up one level.

☑ 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.

Select an option

1. Press the appropriate soft key or [**OK**] to access Menu mode.
2. Press the Navigation keys to move to the next or previous option.
3. Press <**Select**>, <**OK**>, or [**OK**] 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 [**OK**] and select **Settings** → **Phone** → **Language** → **Screen text**.
2. Select a language.
3. Press <**Save**>.

Call ringer melody

You can change the call ringer by changing the properties of the currently active sound profile.

To change the profile properties:

1. In Idle mode, press [**OK**] and select **Settings** → **Profiles**.
2. Scroll the sound profile you are using.
3. Press <**Options**> and select **Edit**.
4. Select **Voice call ringtone** and select a ringer for voice calls.
5. Press <**Select**>.
6. Select **Video call ringtone** and select a ringer for video calls.
7. Press <**Select**>.
8. Press <**Options**> and select **Save**.

To change the sound profile:

1. In Idle mode, press [**OK**] and select **Settings** → **Profiles**.
2. Select the profile you want.

Idle mode Wallpaper

You can set a wallpaper for the idle screen.

1. In Idle mode, press [**OK**] and select **Settings** → **Display** → **Wallpaper**.
2. Press [Left] or [Right] to scroll to an image box.
3. Select an image and press <**Set**>.

Silent mode

You can quickly activate the Silent profile to avoid disturbing other people.

Press and hold [#] in Idle mode.

Phone lock

You can protect the phone against unauthorised use with a phone password. The phone will require the password on power-up.

1. In Idle mode, press [**OK**] 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**>.
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 [ ], 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 [▲/▼].

Step outside the phone

Begin with your camera, Media player, games, WAP, and other special features

Use camera

Take a photo

1. In Idle mode, press and hold [ ] to turn on the camera.
2. Press [ ] to switch between the interior lens and exterior lens.
3. Aim the camera lens at the subject and adjust the image.
4. Press [**OK**] to take a photo. The photo is saved automatically.
5. Press [**OK**] to take another photo.

View a photo

1. In Idle mode, press [**OK**] and select **File manager** → **Images**.
2. Select the photo you want.

Record a video

1. In Idle mode, press and hold [📷] to turn on the camera.
2. Press [**1**] to switch to Record mode.
3. Press [📷] to switch between the interior lens and exterior lens.
4. Press [**OK**] to start recording.
5. Press [**OK**] to stop recording. The video is automatically saved.
6. Press [**OK**] to record another video.

Play a video

1. In Idle mode, press [**OK**] 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. 39
- Download from a computer using Samsung PC Studio ▶ Samsung PC Studio User's Guide
- Copy files to a memory card and insert the card into the phone.
- Receive via IrDA or Bluetooth ▶ p. 72, p. 71

Create a play list

1. In Idle mode, press [MP3].
2. Press <**Options**> and select **Open play list**.
3. Press <**Options**> and select **Add** → **Folder** or **Files**.
4. Press [**OK**] to check the files you want or scroll to the folder you want.
5. Press <**Add**> or <**Select**>.
6. Press [**OK**] to start playing the files.

Play media files

1. From the Media player screen, press [**OK**].
2. Press [**OK**] to start playing.
3. During playback, use the following keys:
   - **OK**: Pauses or resumes playback.
   - Up: Opens the play list.
   - Left: Goes to the previous file. Moves backward in a file when held down.
   - Right: Skips to the next file. Skips forward in a file when held down.
   - ▲/▼: Adjusts the volume.
   - Down: Stops playback.

Play games

Select a game

1. In Idle mode, press [**OK**] and select **File manager** → **Games & More** → the game you want.
2. Press any key, except for [ ], to launch the game.

Play Powerinlinex

1. Select **PLAY**.
2. Select a character.
3. Press <**OK**> to start a game.
4. Press [Up] to make the character move forward.
5. Press the Navigation keys to change the direction.

Play TheLastAge

1. Select **START GAME**.
2. Select **New Game**.
3. Press <**SKIP**>, then <**OK**>.
4. Press [Up] to make the machine move forward.
5. Press the Navigation keys to change the direction.

Browse the web

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

Launch the browser

In Idle mode, press [**OK**] and select **Internet** → **Go to homepage**.

Navigate the web

- To scroll through browser items, press [Up] or [Down].
- To select an item, press [**OK**].
- To return to the previous page, press <**Back**>.
- To use browser options, press <**Options**>.

Use Contacts

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, Work email, Home email, Group, Homepage, Birthday, and More information (Job title, Department, Company, Nickname, and Notes).
4. Press <**Options**> and select **Save** to save the entry.

To the USIM/SIM card:

1. In Idle mode, enter a phone number.
2. Press <**Options**> and select **Save to Contacts** → **SIM** → **New**.

3. Specify the contact information, depending on your card type: Name, Email, Group, and Location number.
4. Press <**Save**> to save the entry.

Find an entry

1. In Idle mode, press <**Contacts**>.
2. Select an entry.
3. Select a number and press [↖] to dial, or [**OK**] to edit the contact information.

Create and send your name card

1. In Idle mode, press [**OK**] and select **Contacts** → **My name card**.
2. Specify your contact information.
3. Press <**Options**> and select **Save** to save the name card.
4. To send the name card to other people, access the **My name card** menu again.
5. Press <**Options**> and select **Send name card** → the sending method you want.

Send messages

Send a text message (SMS)

1. In Idle mode, press <**Msg.**> and select **Create new** → **Text message**.
2. Enter the message text.
3. Press [**OK**].
4. Enter destination numbers.
5. Press [**OK**] to send the message.

Send a multimedia message (MMS)

1. In Idle mode, press <**Msg.**> and select **Create new** → **Multimedia message**.
2. Enter the message subject.
3. Select **Text**.
4. Enter the message text and press [**OK**].
5. Select **Picture or video** or **Audio**.
6. Add a media file.
7. Press [**OK**].
8. Enter destination numbers or e-mail addresses.
9. Press [**OK**] to send the message.

Send flies by MMS

1. In Idle mode, press <**Msg.**> and select **Create new** → **File messenger**.
2. Enter the message subject.
3. Move to the **Message** field.
4. Enter the message text.
5. Move to the **Attach files** line.
6. Press <**Options**> and select **Add files**, **Add name card**, or **Add v-calendar**.
7. Select images, videos, sounds, name cards, schedule items, or tasks.
8. Press <**Options**> and select **Attach**.
9. Press [**OK**].
10. Enter destination numbers or e-mail addresses.
11. Press [**OK**] to send the message.

Send an e-mail

1. In Idle mode, press <**Msg.**> and select **Create new** → **Email**.
2. Enter the e-mail subject.
3. Move to the **Message** field.
4. Enter the e-mail text.
5. Move to the **Attach files** line.
6. Press <**Options**> and select **Add files**, **Add name card**, or **Add v-calendar**.
7. Select images, videos, sounds, name cards, schedule items, or tasks.
8. Press <**Options**> and select **Attach**.
9. Press [**OK**].
10. Enter e-mail addresses.
11. Press [**OK**] to send the e-mail.

View messages

View text message

When a notification appears:

1. Press <**View**>.
2. Select the message from the Inbox.

From the Inbox:

1. In Idle mode, press <**Msg.**> and select **Inbox**.
2. Select an SMS message ( ).

View a multimedia message

When a notification appears:

1. Press <**View**>.
2. Press <**Options**> and select **Retrieve**.
3. Select the message from the Inbox.

From the Inbox:

1. In Idle mode, press <**Msg.**> and select **Inbox**.
2. Select an MMS message ( ).

View an e-mail

1. In Idle mode, press <**Msg.**> and select **Email 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 other Bluetooth devices and exchange data with them, talk hands-free, or control the phone remotely.

Turn on Bluetooth

In Idle mode, press [**OK**] and select **Settings** → **Connectivity** → **Bluetooth** → **Activation** → **On**.

Search for and pair with a Bluetooth device

1. In Idle mode, press [**OK**] and select **Settings** → **Connectivity** → **Bluetooth** → **My devices** → **Search new device**.
2. Select a device.

3. Enter a Bluetooth PIN code or the other device's Bluetooth PIN code, if it has, and press <**OK**>.

   When the owner of the other device enters the same code, the pairing is complete.

Send data

1. Access an application, **Contacts**, **File manager**, or **Organiser**.
2. Select the item you want to send.
3. Press <**Options**> and select **Send** (**name card**/**schedule**/**task**) → **Via bluetooth**.
4. Select a device.
5. If necessary, enter the Bluetooth PIN and press <**OK**>.

Receive data

To receive data via Bluetooth, your phone's Bluetooth feature must be active.

If necessary, press <**Yes**> to confirm the reception.

Enter text

ABC, T9, Number, and Symbol mode

You can enter text for some features such as Messages, 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 input field.

- Press and hold [*] to switch between T9 (T9EAb) and ABC (Abc) modes.
- Press [*] to change case (T9EAb/T9EAB/T9Eab) or to switch to Number mode (123).
- 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 the Navigation keys to move the cursor.
- Press [**C**] to delete characters one by one. Press and hold [**C**] to clear the entire 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.

Key	Characters in order displayed	
	Upper case	Lower case
1	. , ? / ! ' @ _ - : 1	
2	A B C Å Ä À Æ Γ Ç 2	a b c å ä à æ Γ ç 2
3	D E F É Δ Φ 3	d e f è é Φ 3
4	G H I Θ Ψ 4	g h i ì Θ Ψ 4
5	J K L Λ 5	j k l Λ 5
6	M N O Ö Ñ Ø Ò 6	m n o ö ñ ø ò 6
7	P Q R S Π Σ Ξ 7	p q r s β Σ Ξ 7
8	T U V Ù Ü 8	t u v ù ü µ 8
9	W X Y Z Ω 9	w x y z Ω 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 [Right]. Then, enter the next letter.
- Press [#] to insert a space.
- Press the Navigation keys to move the cursor.
- Press [**C**] to delete characters one by one. Press and hold [**C**] to clear the entire display.

Using 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	[Up] or [Down].
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 Contacts

Once you have stored a number in Phonebook, you can dial the number by selecting it from Phonebook. ▶ p. 30

You can also use the speed dial feature to assign your most frequently called numbers to specific number keys. ▶ p. 32

Dialling a number from the USIM/SIM card

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

Ending a call

Press [ ] or close the phone.

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 **Anykey answer** is active, you can press any key to answer a call, except for [ ] and <**Reject**>. ▶ p. 68
- When **Active folder** is active, you can answer a call by opening the phone. ▶ p. 68
- Press <**Reject**> or [ ] to reject a call.
- Press and hold [▲/▼] to reject an incoming call or mute the ringer, depending on the **Side key** setting. ▶ p. 68

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 button on the headset work as listed below:

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

Options during a call

You can access a number of functions during a call.

Adjusting the volume during a call

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

Press [▲] to increase the volume 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** → **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. 70

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** → **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 loudspeaker feature

Use the speaker to talk and listen with the phone a short distance away. Press <**Options**> and select **Loudspeaker**, or press [**OK**].

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. 71

Press <**Options**> and select **Switch to headset**. To switch the call back to the phone, press <**Options**> and select **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**. To turn the microphone back on, press <**Options**> and select **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 **Contacts** menu to locate or store contacts in Phonebook. ▶ p. 30

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

Sending an SMS message

You can create and send an SMS message to other people as well as to your current call participants.

Press <**Options**> and select **Send text message**. ▶ p. 41

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. 60

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**.

Disconnecting one participant

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

   The participant is disconnected 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 [ ].

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 caller to see you.

Using video call options

During a video call, press <**Options**> to access the following options:

- **Loudspeaker**/**Loudspeaker off**: turns the loudspeaker on or off.
- **Switch to headset**/**Switch to phone**: switch the call to a Bluetooth headset or back to the phone.
- **Mute camera**: turn the camera off.
- **Mute voice**: turn the microphone off.
- **Mute camera & voice**: turn the camera and the microphone off.
- **Mute key tone**: turn the key tones off.
- **Zoom**: display the zoom control bar.
- **Brightness**: display the brightness control bar.
- **Effects**: change the colour tone of the image.
- **Hide information**/**Show information**: hide or display information about the video call.
- **Send DTMF**: send dual tone multi-frequency (DTMF) tones as a group after entering the entire number you need to send or retrieving a number from Phonebook.
- **Video quality**: change the image quality of the camera.
- **End call**: end the video call.

Menu functions

All menu options listed

Call log *(OK 1)*

The **Call log** menu enables you to view the calls you have dialled, received, or missed, the length of your calls, and the cost of your calls.

To access this menu, press [**OK**] in Idle mode and select **Call log**.

Missed calls *(OK 1.1)*

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

Accessing a call record

1. Scroll to the name or number you want. The call list also shows the number of call repetition.
2. Press [ ] to dial the number, or [**OK**] to view the details of a call.

Using call record options

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

- **Details**: access information about the selected call record.
- **Voice call**: place a voice call.
- **Video call**: place a video call.

- **Use number**: paste the selected number to the normal dialling screen.
- **Save to Contacts**: save the selected number in Phonebook.
- **Send message**: send a message to the selected number using SMS, MMS, or file messenger.
- **Delete**: delete the call record.
- **Delete all**: delete all records.

Dialled calls *(OK 1.2)*

This menu displays the most recent calls you have dialled.

Received calls *(OK 1.3)*

This menu displays the most recent calls you have received.

Current contacts *(OK 1.4)*

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

Delete all *(OK 1.5)*

Use this menu to delete all of the records in each call type.

1. Press [**OK**] to check the call type(s) to clear.
2. Press <**Delete**>.
3. Press <**Yes**> to confirm the deletion.

Data calls *(OK 1.6)*

Use this menu to view the total amount of sent or received data.

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

Calls cost *(OK 1.7)*

This network feature displays the cost of calls. This menu is available only if your USIM/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.
- **Max cost**: 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.

Calls time *(OK 1.8)*

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

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

Contacts *(OK 2)*

You can store phone numbers on your USIM/SIM card and in your phone's memory. The USIM/SIM card and phone's memory are physically separate, but they are used as a single entity called Phonebook. In the **Contacts** menu, you can manage your Phonebook entries.

To access this menu, press [**OK**] in Idle mode and select **Contacts**.

Search contact *(OK 2.1)*

Use this menu to search for numbers in Phonebook.

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

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 [**OK**] to edit the contact information.

Using contact options

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

- **Details**: access detailed information about the currently selected contact.
- **Edit**: edit the contact information.
- **Video call**: make a video call.

- **New**: add a new contact.
- **Delete**: delete the selected contact.
- **Search groups**: access the caller group list.
- **Service number**: access service numbers preset by your service provider.
- **Delete all**: delete all contacts.

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

- **Edit**: edit the contact information.
- **Send message**: send a message to the selected number using SMS, MMS, or file messenger.
- **Special options**: set the following options:

  Picture: assign a caller ID image to alert you to a call from the person.

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

  Msg. alert tone: select a tone to alert you to an incoming message from the person.
- **Add to speed dial**: set the selected number as a speed dial number.
- **Video call**: make a video call.
- **Copy to SIM**/**Copy to phone**: copy the selected contact to the phone's memory or USIM/SIM card or vice versa.
- **Send name card**: send the contact via SMS, e-mail, file messenger, Bluetooth, or infrared port.
- **Use number**: paste the number to the normal dialling screen.
- **Delete**: delete the contact.

New contact *(OK 2.2)*

Use this menu to add a new contact to Phonebook.

Storing a number in the phone's memory

1. Select **Phone**.
2. Change the settings or enter information about the contact.
   - **First name**/**Last name**: assign a name.
   - **Phone number**: add a mobile phone number.
   - **Work email**: assign a business e-mail address.
   - **Home email**: assign a personal e-mail address.
   - **Group**: assign a caller group.
   - **Homepage**: enter a homepage address.
   - **Birthday**: enter the person's birthday.
   - **More information**: enter the job title, department, company, nickname, and additional note about the person.
3. Press <**Options**> and access the following options to add additional information:
   - **Special options**: assign a caller ID image, call ringer, or message ringer for the contact.
   - **Add phone number**: add a number category to the contact.
   - **Delete phone number**: remove the selected number category from the contact entry.

- **Change type**: change the type of the selected number.
- **Mark video call**/**Unmark video call**: set the selected number as a video call number.

4. Press <**Options**> and select **Save**.

Storing a number on the USIM/SIM card

1. Select **SIM**.
2. Press [Down] and change the settings or enter information about the contact.
   - **Name**: assign a name.
   - **Phone number**: add a mobile phone number.
   - **Email**: (for USIM) assign an e-mail address.
   - **Group**: (for USIM) assign a caller group.
   - **Location number**: enter a location number.

   ☑ When you are using a USIM card, press <**Options**> and select **Add item** to enter additional numbers.

3. Press <**Save**>.

Groups *(OK 2.3)*

Use this menu to organise your contacts in caller groups.

Adding members to a caller group

1. Select a group.
2. Press [**OK**] to check the contacts you want.
3. Press <**Save**>.

Managing caller groups

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

- **View members**: display the members of the select group.
- **Add member**: add contacts to the selected group.
- **Add group**: add a new group.
- **Rename group**: change the group name.
- **Delete group**: delete the selected group.
- **Delete all groups**: delete all groups, including the default groups.

Speed dial *(OK 2.4)*

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 voicemail server.
2. Select the contact you want from the contact list.
3. Scroll to a number, if the contact 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:

- **Add**: assign a number to an unassigned key.
- **Details**: display details about the speed dial entry.
- **Video call**: make a video call.
- **Change**: assign a different number to an assigned key.
- **Remove**: clear the speed dial setting for the selected key.

Dialling speed dial entries

Press and hold the appropriate key in Idle mode.

My name card *(OK 2.5)*

Use this menu to create your 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. 31

Using name card options

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

- **Edit**: edit the name card.
- **Send name card**: send the name card via SMS, e-mail, file messenger, Bluetooth, or infrared port.
- **Delete**: delete the name card.

Copy all *(OK 2.6)*

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

Own number *(OK 2.7)*

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 USIM/SIM card.

Service number *(OK 2.8)*

This menu is available if your USIM/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 voicemail numbers.

1. Scroll to the number you want.
2. Press <**Dial**> or [ ].

Settings *(OK 2.9)*

Use this menu to change the default settings for Phonebook.

- **Viewing settings**: select whether the contact list is sorted by last name or by first name.
- **Default storage settings**: select a default memory location to save contacts. If you select **Optionally**, the phone will ask you to select a memory location when saving a number.

Memory status *(OK 2.0)*

Use this menu to view the number of contacts you have stored and total number of contacts you can store in Phonebook.

Applications *(OK 3)*

Use this menu to play media files, to record a voice memo, to set time zones, or to use the phone as a calculator or converter.

To access this menu, press [**OK**] in Idle mode and select **Applications**.

SAT *(OK 3.1)*

This menu is available if you use a USIM/SIM card that supports SIM Application Toolkit menus and 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 USIM/SIM card instructions or contact your service provider.

Media player *(OK 3.2)*

Use this menu to enjoy media files, such as video clips and music files. You can also play streaming contents.

☑ You can quickly access the Media player by pressing [*MP3*] in Idle mode.

Downloading or receiving media files

Use this method to save media files to your phone:

- Download from the wireless web ▶ p. 39
- Download from a computer using Samsung PC Studio ▶ Samsung PC Studio User's Guide

- Receive via IrDA or Bluetooth ▶ p. 72, p. 71
- Copy files to a memory card and insert the card into the phone

Creating the play list

Add the media files to the play list so you can play them.

1. From the Media player screen, press [**OK**].
2. Press <**Options**> and select **Add**.
3. Select **Folder** or **Files**.
4. Press [**OK**] to check the files you want, or scroll to the folder you want.
5. Press <**Add**> or <**Select**>.
6. To play files, press [**OK**].

Playing media files

1. From the Media player screen, press [**OK**].
2. Select a file. The file plays.

During playback, you can use the following keys:

Key	Function
OK	Pauses or resumes playback.
Left	Goes to the previous file. Moves backward in a file when held down.
Right	Skips to the next file. Skips forward in a file when held down.
Up	Opens the play list.
▲/▼	Adjusts the volume.
Down	Stops playback.

Using Media player options

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

- **Pause**/**Resume**: pause or resume playback.
- **Stop**: stop playback.
- **Send**: send the selected file via MMS, e-mail, file messenger, Bluetooth, infrared port, or online album, if provided.
- **Open play list**: display the play list.
- **Activate key**: get a new license key when the key for the selected DRM file expires.
- **Reactivate key**: get another key even when the key for the selected DRM file has not expired.
- **Go to file Manger**: go to the media file list.
- **Hidden from bluetooth**: hide the file so that other Bluetooth devices cannot access it.
- **Visible to bluetooth**: share the file with other Bluetooth devices.
- **Show controller**/**Hide controller**: display or hide the control bar of the Media player.
- **Details**: access the file properties.

- **Player settings**: change the default settings for playing media files.

  Play options: select a repeat mode.

  Volume: select a volume level.

  Controller: display the control bar of the Media player.

  Audio player skin: select a skin image.
- **VOD settings**: select a connection profile to be used for accessing a video streaming server. You can also make or edit a profile. ▶ p. 73
- **Key management**: manage the licence keys you have acquired.

Using play list options

From the Media player screen, press [Up] to access the play list and 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 selected file or all of the files from the play list.
- **Move**: move the selected file to the position you want within the current play list or another play list.
- **Copy**: make a copy of the selected file in the current play list or another play list.
- **Delete list**: delete the current play list.
- **Rename list**: change the name of the play list.
- **New list**: add a new play list.

Voice memo *(OK 3.3)*

Use this menu to record voice memos.

Recording a voice memo

1. Press [**OK**] to start recording.
2. Speak into the microphone.

   Press [**OK**] 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 **Go to sounds**.
2. Select the **Voice memos** folder.
3. Select a voice memo. The memo plays.

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

Key	Function
OK	Pauses or resumes playback.
Up	Switches to Play mode ( ) or back to Record mode ( ).
Left	Moves backward.
Right	Skips forward.
▲/▼	Adjusts the volume.
Down	Stops playback.

Using voice memo options

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

- **Play**: play the voice memo.
- **Resume**: resume playback.
- **Stop**: stop playback.
- **Record**: record a new voice memo.
- **Send**: send the selected file via MMS, e-mail, file messenger, Bluetooth, or infrared port.
- **Go to sounds**: go to the **Sounds** folder.
- **Rename**: change the name of the file.
- **Delete**: delete the selected file.
- **Hidden from bluetooth**: hide the file so that other Bluetooth devices cannot access it.
- **Visible to bluetooth**: share the file with other Bluetooth devices.
- **Details**: access the file properties.
- **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.

World clock *(OK 3.4)*

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 [Left] or [Right] 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 [**OK**] to save the time zone.

Viewing and setting a foreign time zone

1. From the world map, press [Down].
2. Press [Left] or [Right] to select the foreign time zone you want to view.
3. Press [**OK**] to save the time zone.

Applying Daylight Savings Time

1. From the world map, press <**Options**> and select **Summer time**.
2. Press [**OK**] to check the time zone(s) you want.
3. Press <**Select**>.
4. Press <**Options**> and select **Save**.

Calculator *(OK 3.5)*

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

Preforming a calculation

1. Enter the first number.

   Press [#] to include a decimal point.
2. Enter the operation for your calculation by pressing the Navigation keys.
3. Enter the second number.
4. Press [**OK**] to view the result.

Using calculator options

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

- **Equal**: view the result.
- **Recent calculation**: display the last result you calculated.
- **Save to memory**: save a value into the calculator memory.
- **Recall memory**: retrieve the saved value.
- **Clear memory**: clear the saved values.

Converter *(OK 3.6)*

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

Preforming a conversion

1. Select the converter type you want.
2. Press [Left] or [Right] to select the original unit and press [Down].
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 [Down].
5. Press [Left] or [Right] to select the unit you want to convert to.

   The equivalent value for the amount you entered displays.

Using converter options

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

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

Internet *(OK 4)*

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

To access this menu, press [**OK**] in Idle mode and select **Internet**.

Go to homepage *(OK 4.1)*

Selecting this menu connects your phone to the network and loads the homepage of the wireless web service provider.

Navigating the WAP browser

In the WAP browser:

To	Press
scroll through browser items	[Up] or [Down].
select a browser item	<**Select**> or [**OK**].
return to the previous page	<**Back**>.

Using WAP page options

From any WAP page, press <**Options**> to access the following browser options:

- **Go to homepage**: send you back to the homepage.
- **Enter URL**: manually enter the URL address of the web page you want to access.
- **Reload**: reload the current page with updated information.
- **Add favorite**: add the current page to your bookmark list.
- **Favorites**: access the bookmark list.
- **History**: show URLs previously visited.
- **Send link**: send the URL via SMS, e-mail, or file messenger.
- **Save**: save the image of the current WAP page or the current page.
- **Advanced**: clear browser information and access the browser settings.

  Search text: search for a specific word or phrase from the current WAP page.

  Clear history: delete the URLs stored in the history.

  Clear cookies: delete cookies.

  Clear cache: delete information stored in the cache.

  Details: access information about the current page.

  Browser settings: change the settings for the browser display, security, and certificates.

  Network settings: select a connection profile to be used for connecting to the Internet. You can also make or edit a profile. ▶ p. 73

About: access version and copyright information of the WAP browser.

Exiting the WAP browser

Press [ ] to exit the browser.

Enter URL *(OK 4.2)*

You can enter the URL of a WAP page in order to quickly access the page.

Favorites *(OK 4.3)*

You can add and manage the URLs of the WAP pages you frequently access as bookmarked items. You can also manage URLs you have bookmarked while navigating the Internet.

Adding a new bookmark

1. Press <**New**> and select **Favorite**.

   If the saved bookmark items already exists, press <**Options**> and select **New** → **Favorite**.
2. Enter a URL and press [**OK**].
3. Enter a name for the item and press <**OK**>.
4. Press [**OK**] to save the item.

Using bookmark options

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

- **Open**: open the selected folder.
- **Select**: access the page of the selected bookmark.
- **Details**: access the details of the bookmark.
- **Send link**: send the bookmark via SMS, e-mail, or file messenger.
- **New**: add a new bookmark or folder.
- **Edit**: change the selected bookmark.
- **Move**: move the bookmark to another folder.
- **Rename**: change the folder name.
- **Delete**: delete the selected bookmark or all bookmarks.

History *(OK 4.4)*

You can access the list of pages you have accessed recently.

Browser settings *(OK 4.5)*

You can customise the various settings for the browser display, security, certificates.

Network settings *(OK 4.6)*

You can select a connection profile to be used for accessing the Internet. You can also make or edit a profile. ▶ p. 73

Messages *(OK 5)*

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

To access this menu, press [**OK**] in Idle mode and select **Messages**, or press <**Msg.**> in Idle mode.

Create new *(OK 5.1)*

Use this menu to create and send text messages, multimedia messages, or e-mails. You can also send files using MMS.

Text message *(OK 5.1.1)*

Short Message Service (SMS) allows you to send or receive text messages.

> ☑ 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.

   Press <**Options**> and select **Insert** to retrieve a text template, contact entry, or bookmark.
2. Press [**OK**].
3. Enter a destination number.

   To send the message to more than one recipient, press [Down] and fill in additional destination fields.
4. Press [**OK**] to send the message.

Multimedia message *(OK 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.
2. Select the **Text** line.
3. Enter the message text and press [**OK**].
4. Select the **Picture or video** or **Audio** line.
5. Select an image or audio file, press <**Add**>.

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

6. Press <**Options**> to access the following options:
   - **Preview**: display the message you created.
   - **Edit text**/**Change file**: edit the added text, picture, or sound clip.
   - **Delete text**/**Delete file**: delete the added text, picture, or sound clip.
   - **Save to Drafts**: save the message in the **Drafts** box.
   - **Add page**: add a page. Move to each page by pressing [Left] or [Right] on the message screen.

- **Move page**: move the current page to the next or previous page.
- **Delete page**: delete the added page.
- **Edit style**: change the page properties.
  This page: set the page duration and change the font colour and style for the selected page.
  All page: change the background colour and page layout.
- **Save as template**: save the message as a template in the **Multimedia templates** folder.

7. When you have finished, press [**OK**].
8. Enter a phone number or e-mail address.
   To send the message to more than one recipient, press [Down] and fill in additional destination fields.
9. Press [**OK**] to send the message.

File messenger *(OK 5.1.3)*

Use this menu to send multiple media files by attaching them to an MMS message.

1. Enter the message subject in the **Subject** line.
2. Move to the **Message** field and enter the message text.
3. Select the **Attach files** line.
4. Press [**OK**] to check the files you want.
5. Press <**Options**> and select **Attach**.
6. Press <**Options**> to access the following options:
   - **Attached file list**: display the file list you attached.
   - **Add name card**: add a contact as a Vcard format.
   - **Add v-calendar**: add a calendar memo.
   - **Delete all attachments**: delete all of the attached files.
   - **Save to Drafts**: save the message in the **Drafts** box.
7. When you have finished, press [**OK**].
8. Enter a phone number or e-mail address.
   To send the message to more than one recipient, press [Down] and fill in additional destination fields.
9. Press [**OK**] to send the message.

Email *(OK 5.1.4)*

You can send and receive e-mails that include text, audio, and images. To use this feature, you need to set up your e-mail account. ▶ p. 50

1. Enter the e-mail subject in the **Subject** line.
2. Move to the **Message** field.
3. Enter the message text.
4. Select the **Attach files** line.

5. Press [**OK**] to check the files you want.
6. Press <**Options**> and select **Attach**.
7. Press <**Options**> to access the following options:
   - **Attached file list**: display the file list you attached.
   - **Add name card**: add a contact as a Vcard format.
   - **Add v-calendar**: add a calendar memo.
   - **Delete all attachments**: delete all of the attached files.
   - **Save to Drafts**: save the e-mail in the **Drafts** box.
8. When you have finished, press [**OK**].
9. Enter an e-mail address.

   To send the e-mail to more than one recipient, press [Down] and fill in additional destination fields.
10. Press [**OK**] to send the e-mail.

Inbox *(OK 5.2)*

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

Configuration messages, which are sent from your service provider, contain network parameters to let you easily apply 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**>. To read it later, press <**Exit**>.

For an MMS notification, 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, depending on the message type:

- SMS
- MMS
- MMS notification
- Configuration
- WAP push
- SIM

- Depending on the DRM (Digital Rights Management), you may not be able to forward some messages. They are indicated by the icon.
- An **!** icon shows that a message was sent with high priority. A grey icon means that the message is of low priority.

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

- **View**: display the selected message. For MMS notifications, you can access the file properties.
- **Retrieve**: retrieve the MMS message from the server.
- **Reject**: reject the MMS message.
- **Cancel retrieving**: cancel retrieving the MMS message from the server.
- **Reply**: send a reply to the sender.
- **Reply to all**: send a reply to the sender and all recipients.
- **Forward**: forward the message to other people.
- **Install**: apply the configuration value in the message to the phone.
- **Sort by**: change the sort order of the message list.
- **Delete**: delete the currently selected message.
- **Delete all**: delete all messages.
- **Details**: access the message properties.

Using message options

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

SMS messages

- **Call**: dials the highlighted phone number.
- **Create email**: send an e-mail t the highlighted e-mail address.
- **Reply**: reply to the sender.
- **Forward**: forward the message.
- **Call back**: dial the phone number of the sender.
- **Save to Contacts**: extract phone numbers or e-mail addresses from the message and saves them in Phonebook.
- **Move to SIM**/**Move to phone**: move the message between the phone's memory and the USIM/SIM card.
- **Delete**: delete the message.

MMS messages

- **Play**: play the message.
- **Call**/**Go to URL**/**Go to RTSP**: dials the highlighted phone number or access the highlighted web link.
- **Open file**: open the selected media files.
- **Add to bookmarks**: save the highlighted web link to the bookmark list.
- **Create email**: send an e-mail to the highlighted e-mail address.
- **Create multimedia message**: send an MMS message to the highlighted address.
- **Reply**: send a reply to the sender.
- **Reply to all**: send a reply to the sender and all of the recipients.
- **Forward**: forward the message to another person.
- **Send to Album**: send the message to the online media album, if provided.
- **Call back**: dial the phone number of the sender.

- **Save as template**: save the message as a template in the **Multimedia templates** folder.
- **Save files**: save media items from the message into your phone's memory or a memory card.
- **Save to Contacts**: extract phone numbers or e-mail addresses from the message and save them in Phonebook.
- **Delete**: delete the message.
- **Details**: access the message properties.

WAP push messages

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

Drafts *(OK 5.3)*

This folder stores messages you have saved to send them at a later time while creating the message.

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

- **View**: open the selected message.
- **Edit**: edit the selected message.
- **Send**: send the selected message.
- **Sort by**: change the sort order of the list.
- **Delete**: delete the selected message.
- **Delete all**: delete all messages.

Outbox *(OK 5.4)*

This folder stores messages you have tried to send or have being sent.

The following icons on the message icons indicates the sending status:

- indicates the message is being sent.
- indicates the message is failed to send.

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

- **View**: display the selected message.
- **Send again**: resend the message.
- **Edit**: edit the selected message.
- **Cancel sending**: cancels sending the message.
- **Sort by**: change the sort order of the list.
- **Delete**: delete the message.
- **Delete all**: delete all messages.
- **Details**: access the message properties.

Sent box *(OK 5.5)*

This folder stores messages that you have sent successfully.

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

- **View**: display the selected message.
- **Forward**: forward the message to other people.
- **Edit**: edit the selected message.
- **Sort by**: change the sort order of the list.

- **Delete**: delete the message.
- **Delete all**: delete all messages.
- **Details**: access the message properties.

Email inbox *(OK 5.6)*

This folder stores e-mails that you have received.

Viewing received e-mails

1. From the e-mail folder, 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
   - : Retrieved e-mail with attachments
   - : E-mail not retrieved

   - Depending on the DRM (Digital Rights Management), you may not be able to forward some messages. They are indicated by the icon.
   - An **!** icon shows that an e-mail was sent with high priority. A grey icon means that the e-mail is of low priority.

3. Select an e-mail or header.
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:

- **View**: open the selected e-mail.
- **Retrieve**: retrieve the body of the selected e-mail header from the e-mail server.
- **Reply**: send a reply to the sender.
- **Reply to all**: send a reply to the sender and all recipients.
- **Forward**: forward the e-mail.
- **Save files**: save media items from the message into your phone's memory or a memory card.
- **Download**: download new e-mails or headers from the e-mail server.
- **Sort by**: change the sort order of the list.
- **Save to Contacts**: 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 e-mail subject to the Block list.
- **Delete from phone**: delete the selected e-mail or all e-mails from the phone's memory.
- **Delete permanently**: delete the selected e-mail or all of the e-mails from both the phone's memory and the e-mail server.
- **E-mail accounts**: change the active e-mail account.
- **Details**: access the e-mail properties.

Media album *(OK 5.7)*

Use this menu to access the Media Album service, with which you can organise your own online media album, adding media content and messages via the wireless web. This menu is available only if supported by your service provider.

Templates *(OK 5.8)*

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

Text templates *(OK 5.8.1)*

Use this menu to preset frequently used messages.

Press <**New**> to create a new text template.

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

- **Send**: send the template as an SMS, MMS, file messenger, or e-mail.
- **New**: add a new template.
- **Edit**: change the selected template.
- **Delete**: delete the template.
- **Delete all**: delete all templates.

Multimedia templates *(OK 5.8.2)*

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

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

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

Broadcast *(OK 5.9)*

Your phone receives Cell Broadcast (CB) messages, which are text messages related to various topics, such as weather forecast, traffic, and news report, from networks. Use this menu to access received CB messages.

All CB messages are stored in the **Temporary** folder and will be deleted after a period of time. If you don't want a message to be deleted, save it to the **Archive** folder. While viewing the message, press <**Options**> and select **Save**.

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

- **View**: open the selected message.
- **Delete**: delete the selected message.
- **Delete all**: delete all of the messages in the selected folder.

Delete all *(OK 5.0)*

Use this menu to delete all of the messages in each message folder at once.

1. Press [**OK**] to check the message box(es) you want.
2. Press <**Delete**>.
3. Press <**Yes**> to confirm the deletion.

Settings *(OK 5.✱)*

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

Text message *(OK 5.✱.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.

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

  Name: enter a profile name.
- **Sending settings**: set up the following options for sending an SMS message:

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

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

  Network selection: select a preferred data transmission method, either GSM (CS) or GPRS (PS) network.

  Keep a copy: leave the copies of your messages in the **Sent box** folder after sending.

  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 of the characters in a message to about half. If this menu is not shown, your phone provides the Automatic encoding by default.

Multimedia message *(OK 5.✱.2)*

You can configure default MMS settings.

- **Sending options**: set up the following options for sending MMS messages:

  Priority: set the priority level of your messages.

  Expiration: set the length of time your messages are stored in the MMS centre.

  Delivery: set a time delay before messages are sent.

  Hide address: set your address to be hidden from the recipients' phones.

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

Request read report: request a report from each recipient as to when your message was read by the recipient.

Keep a copy: leave the copies of your messages in the **Sent box** folder after sending.

Add my name card: allow your contact information to be attached to your messages via the file messenger.

Add signature: edit and attach your signature to messages via the file messenger.

- **Receiving options**: set up the following options for receiving MMS messages:

  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 network and Roaming network have the following options:

  - **Auto download**: the phone automatically retrieves messages from the server.
  - **Manual**: the phone receives notifications first from the server. Use the **Retrieve** option to manually download new messages.
  - **Restricted**: the phone receives notifications first from the server. When you attempt to download messages, the phone informs you of additional charges.
  - **Reject**: the phone rejects all messages.

  Send delivery report: set the network to send a delivery report to a sender.

  Send read report: determine whether or not the phone sends a read-report to a sender.

  Reject anonymous: reject messages from anonymous senders.

  Reject advertisement: reject advertisements.

- **MMS profiles**: select a connection profile to be used for MMS. You can also make or edit a new profile. ▶ p. 73
- **Message size**: select the maximum file size of MMS attachment. This file size may vary, depending on your country.
- **Creation mode**: select an MMS creation mode.

  Warning: the phone informs you when you create and send a message using unsupported file formats.

  Free: you can create and send messages using unsupported file formats.

  Restricted: you are not able to create and send messages using unsupported file formats.
- **Slide interval**: select the length of time the display shows each page in a message.

Email *(OK 5.✱.3)*

You can configure default e-mail settings.

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

From: set the sender name.

Sending account: select the default account.

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

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

Include body when replying: set whether or not the phone includes the original e-mail text in a reply.

Delivery report: set the network to inform you when your e-mail has been delivered.

Add my name card: allow your contact information to be attached to e-mails.

Add signature: attach your signature to e-mails.

Input signature: edit your signature.

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

  Set download limit: determine the maximum size for incoming e-mails. Your phone will reject e-mails that exceed the specified size.

  Auto polling: set the phone to automatically check the e-mail server to download new e-mails at the specified time intervals.

  Polling frequency: set how often the phone checks the e-mail server for automatic polling.

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

  Block subject: specify subjects to reject e-mails which contain those subjects.

- **Email profiles**: select a network connection profile to be used for sending and receiving e-mail. You can also make or edit a profile. ▶ p. 73

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

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

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

  SMTP server: enter the IP address or domain name of the outgoing e-mail server.

  SMTP port: enter the SMTP port number.

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

  POP3 server/**IMAP4 server**: enter the IP address or domain name of the POP3 or IMAP4 server.

  POP3 port/**IMAP4 port**: enter the POP3 or IMAP4 port number.

  IMAP4 retrieving option: (only for IMAP4 protocol): set whether the phone retrieves only new messages or all messages.

  Retrieving option: set which part of e-mails the phone retrieves from the server.

Keep in server: leave the copies of e-mails in the server after retrieving.

My Address: set your e-mail address.

User name: set the user name for POP3 or IMAP4 server connections.

Password: set the password for POP3 or IMAP4 server connections.

Use SMTP Authentication: activate the SMTP authentication.

Same as POP3/IMAP4: select if you want the SMTP server to have the same parameters as the POP3 or IMAP4 server.

User name: enter the SMTP user name.

Password: set the SMTP password.

Voice mail *(OK 5.✱.4)*

You can change the number of the voicemail centre.

Push message *(OK 5.✱.5)*

You can determine whether or not your phone receives push messages.

Broadcast *(OK 5.✱.6)*

Use this menu to change the settings for the broadcast message service.

- **Receive**: enable or disable the reception of broadcast messages.
- **Channel**: specify the channels from which you receive broadcast messages.

  When you select **Respective channels**, you can set up a list of active CB channels.
- **Language**: select the languages in which broadcast messages display.

Memory status *(OK 5.#)*

Use this menu to view the memory status for SMS, MMS, e-mail, and push messages.

File manager *(OK 6)*

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

To access this menu, press [**OK**] in Idle mode and select **File manager**.

> ☑ As a result of the DRM (Digital Rights Management) system, some of the media items you download from the Internet or receive by MMS may require a license key to access them or forward them to other people. You can acquire the key from the website which owns the rights to the content; use the **Activate key** option in the item options.

Images

This menu displays the default wallpapers and photos you have taken and images downloaded or received in messages. You can also edit an image using various editing options.

Viewing an image

1. Press [Left] or [Right] to scroll to an image folder.
2. Select an image.
3. Press [Left] or [Right] to view other images.

Editing an image

1. Select a image.
2. Press <**Options**> and select **Edit**.
3. Change the photo using the following options:
   - **Resize**: change the image size.
   - **Effects**: change the colour tone or apply a special effect to the photo.
   - **Adjust**: adjust the image brightness, contrast, or colour balance.
   - **Frames**: apply a decorative frame to the photo.
   - **Cliparts**: add an image clip to the photo.
   - **Insert text**: add text to the photo.
   - **Rotate**: rotate the photo clockwise or counterclockwise.
   - **Flip**: flip the photo vertically or horizontally.
   - **Crop**: select a variously sized and shaped section of the photo.
4. When you have finished, press [**OK**].
5. Enter a photo name and press <**Save**>.

Using image options

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

- **Send**: send the selected file via MMS, e-mail, file messenger, Bluetooth, infrared port, or online media album, if provided.
- **Hidden from bluetooth**: hide the file so that other Bluetooth devices cannot access it.
- **Visible to bluetooth**: share the file with other Bluetooth devices.

- **Activate key**: get a new license key when the key for the selected DRM file expires.
- **Reactivate key**: get another key even when the key for the selected DRM file has not expired.
- **Set as**: set the image as your wallpaper for the main display or external display, or a caller ID image for a contact.
- **Move**: move the file to another folder.
- **Copy**: copy the file to another folder.
- **Real size**: show the image in the real size or display size.
- **Slide show**: set all images to display as a slide show.
- **Edit**: edit the image and save as a different file.
- **Delete**: delete the selected file.
- **Rename**: change the name of the file.
- **Details**: access the file properties.
- **Key management**: manage the license keys you have acquired.

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

- **View**: open the selected image.
- **Send**: send the file via MMS, e-mail, file messenger, Bluetooth, infrared port, or online media album, if provided.
- **Hidden from bluetooth**: hide the file so that other Bluetooth devices cannot access it.
- **Visible to bluetooth**: share the file with other Bluetooth devices.
- **Set as**: set the image as your wallpaper for the main display or external display, or a caller ID image for a contact.
- **Move**: move the file to another folder.
- **Copy**: copy the file to another folder.
- **Delete**: delete the selected file or all files.
- **Rename**: change the name of the file.
- **Lock**/**Unlock**: lock the file to prevent it from being deleted, or unlock the file.
- **New folder**: add a new folder.
- **Details**: access the file properties.
- **Memory status**: access memory information for each folder in **File manager**.

Downloading images

1. Press [Left] or [Right] to scroll to **Downloads**.
2. Select **More pictures**. You are connected to a preset website.
3. Search for an image and follow the onscreen instructions to download it.

Videos

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

Playing a video clip

1. Press [Left] or [Right] to scroll to a video folder.

2. Select a video clip.

During playback, use the following keys:

Key	Description
OK	Pauses or resumes playback.
Up	Opens the play list.
Left	Goes to the previous file. Moves backward in a file when held down.
Right	Skips to the next file. Skips forward in a file when held down.
▲/▼	Adjusts the volume.
Down	Stops playback.

Using video options

During playback, press <**Options**> to access the following options:

- **Pause**/**Resume**: pause or resume playback.
- **Stop**: stop playback.
- **Send**: send the selected file via MMS, e-mail, file messenger, Bluetooth, infrared port, or online album, if provided.
- **Add to play list**: add the video clip to a play list.
- **Open play list**: open the current active play list.
- **Activate key**: get a new license key when the key for the selected DRM file expires.
- **Reactivate key**: get another key even when the key for the selected DRM file has not expired.
- **Hidden from bluetooth**: hide the file so that other Bluetooth devices cannot access it.
- **Visible to bluetooth**: share the file with other Bluetooth devices.
- **Show controller**/**Hide controller**: show or hide the control bar of the Media player.
- **Details**: access the file properties.
- **Player settings**: change the default settings for playing files.

  Play options: select a repeat mode.

  Volume: select a volume level.

  Controller: show or hide the control bar of Media player.

  Audio player skin: select a skin image.
- **VOD settings**: activate a connection profile to be used for accessing a streaming server. You can also make or edit a profile. ▶ p. 73
- **Key management**: manage the license keys you have acquired.

Downloading video clips

1. Press [Left] or [Right] to scroll to **Downloads**.
2. Select **More videos**. You are connected to a preset website.
3. Search for a video clip and follow the onscreen instructions to download it.

Music

This menu displays AAC or MP3 music files you have downloaded or received in messages. You can also play streaming contents.

Playing music

Select a music file. The selected music plays.

During playback, use the following keys:

Key	Description
OK	Pauses or resumes playback.
Up	Opens the play list.
Left	Goes to the previous file. Moves backward in a file when held down.
Right	Skips to the next file. Skips forward in a file when held down.
▲/▼	Adjusts the volume.
Down	Stops playback.

Using music options

During playback, press <**Options**> to access the following options:

- **Pause**/**Resume**: pause or resume playback.
- **Stop**: stop playback.
- **Send**: send the selected file via MMS, e-mail, file messenger, Bluetooth, infrared port, or online album, if provided.
- **Add to play list**: add the music to a play list.
- **Open play list**: open the play list.
- **Activate key**: get a new license key when the key for the selected DRM file expires.
- **Reactivate key**: get another key even when the key for the selected DRM file has not expired.
- **Hidden from bluetooth**: hide the file so that other Bluetooth devices cannot access it.
- **Visible to bluetooth**: share the file with other Bluetooth devices.
- **Details**: access the file properties.
- **Player settings**: change the default settings for playing files.

  Play options: select a repeat mode.

  Volume: select a volume level.

  Audio player skin: select a skin image.
- **VOD settings**: activate a connection profile to be used for accessing a streaming server. You can also make or edit a profile. ▶ p. 73
- **Key management**: manage the license keys you have acquired.

Downloading music files

1. Select **More music**. You are connected to a preset website.
2. Search for a music file and follow the onscreen instructions to download it.

Sounds

This menu displays the default ringtones and sound files you have recorded, downloaded, or received in messages. You can also access voice memos you have recorded.

Playing a sound clip

1. Press [Left] or [Right] to scroll to a sound folder.

   To access voice memos, scroll to the **Voice memos** folder. ▶ p. 36
2. Select a sound clip. The sound is played.

During playback, you can use the following keys:

Key	Description
Left	Goes to the previous file.
Right	Skips to the next file.
Up/Down/ ▲/▼	Adjusts the volume.
OK	Allows you to send the sound clip to other people.

Using sound options

During playback, press <**Options**> to access the following options:

- **Send**: send the selected file via MMS, e-mail, file messenger, Bluetooth, infrared port, or online album, if provided.
- **Hidden from bluetooth**: hide the file so that other Bluetooth devices cannot access it.
- **Visible to bluetooth**: share the file with other Bluetooth devices.
- **Set as ringtone**: set the selected sound clip as your call ringer.
- **Set as caller ID**: set the selected sound clip as a caller ID ringer for a contact.
- **Delete**: delete the selected file or all files.
- **Rename**: change the name of the file.
- **Details**: access the file properties.

Downloading ringtones

1. From the **Ringtones** folder, select **More sound**. You are connected to a preset website.
2. Search for a ringtone and follow the onscreen instructions to download it.

Games & More

Use this menu to download Java games and play them.

Playing Powerinlinex

1. From the **Games & More** folder, select **Powerinlinex**.
2. Press any key, except for [ ].
3. Select **PLAY** or press <**PLAY**>.
4. Select a character.
5. Press <**OK**> to start a game.
6. Press [Up] to make the character move forward.

7. Press the Navigation keys to change the direction.

> ☑ During a game, press <**Options**> to access game options.

Playing TheLastAge

1. From the **Games & More** folder, select **TheLastAge**.
2. Press any key, except for [ ].
3. Select **START GAME** or press <**PLAY**>.
4. Select **New Game** or **Load Game**.
5. Press <**SKIP**> and then <**OK**>.
6. Press [Up] to make your machine to move forward.
7. Press the Navigation keys to change the direction.

> ☑ During a game, press <**Options**> to access game options.

Using Java game options

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

- **Play**: launch the selected game.
- **Move**: move to the game to another folder.
- **Delete**: delete the selected game or all games.
- **Rename**: change the name of the game.
- **New folder**: add a new game folder.
- **Lock**/**Unlock**: lock the game to prevent it from being deleted, moved, and renamed, or unlock the game.
- **Details**: access the game properties.
- **Network settings**: activate a connection profile to be used for accessing a Java server. You can also make or edit a profile. ▶ p. 73
- **Memory status**: access memory information for each folder in **File manager**.

Downloading new games

1. Select **More games**. You are connected to a preset website.
2. Search for a game and follow the onscreen instructions to download it.

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, *.txt, and so on.

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

- **Move**: move the file to another folder.
- **Copy**: copy the file to another folder.
- **Delete**: delete the selected file or all files.
- **Rename**: change the name of the file or folder.
- **Lock**/**Unlock**: lock the file to keep it from being deleted, or unlock the file.
- **Details**: access the file properties.
- **New folder**: add a new folder.
- **Memory status**: access memory information for each folder in **File manager**.

Memory card

Use this menu to access the media files stored on the memory card. This option is only available when you insert a memory card into the phone.

For details about using files, see the corresponding menu.

Organiser *(OK 7)*

The Organiser feature enables you to create and manage your schedule, anniversaries, tasks, and memos. You can also set alarms.

To access this menu, press [**OK**] in Idle mode and select **Organiser**.

Alarm *(OK 7.1)*

Use this menu to set alarms. The alert type for a normal alarm corresponds to the call alert type settings in the currently selected profile. A wake-up alarm is not affected by your profile setting.

Setting an alarm

1. Select the type of alarm.
2. Scroll to **On** on the **Alarm** line and press [Down].
3. Enter the time for the alarm to sound and press [Down].
4. 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**> to confirm the alarm.

- Press <**Snooze**> to stop the wake-up alarm for 5 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.
3. Press <**Options**> and select **Save**.

Calendar *(OK 7.2)*

Use this menu to keep track of your monthly schedule.

Consulting the calendar

When you open the calendar, today's date is marked with a blue box. Scroll to the date you want. You can move to the next or previous month by pressing [▲/▼].

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

- **View**: display the stored events for that date.
- **New**: add a new event, anniversary, task, or memo. You can schedule more than one event per day.
- **Week view**: display the week view screen.
- **Go to today**: display the current date.
- **Go to date**: display a specific date.
- **Start date**: set whether the calendar starts with Sunday or Monday.
- **Delete**: delete the events for a specific period.
- **Delete all**: delete all of the events in the calendar.

Entering a new schedule item

1. Select a date on the calendar.
2. Press <**Options**> and select **New** → **Schedule**.
3. Enter information or change the settings in the following entry fields:
   - **Title**: enter the title of the event.
   - **Details**: enter the event details.
   - **Start**/**End**: enter the starting or ending times for the event.
   - **Start date**/**End date**: enter the starting or ending dates for the event.
   - **Location**: enter information about the event location.
   - **Alarm**: select to set an alarm for the event and set the time for the alarm.
   - **Repeat**: select to set the event to recur. You can select a repeat unit and set the date to end repeating.
   - **Expiry**: set when the event will be deleted from the calendar.
4. Press <**Options**> and select **Save**.

Entering a new anniversary

1. Select a date on the calendar.
2. Press <**Options**> and select **New** → **Anniversary**.

3. 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. You can set the number of days before the event date and the time for the alarm to sound.
   - **Repeat every year**: select to set the phone to remind you of the anniversary every year.
4. Press <**Options**> and select **Save**.

Entering a task

1. Select a date on the calendar.
2. Press <**Options**> and select **New** → **Task**.
3. Enter information or change the settings in the following entry fields:
   - **Title**: enter the title for the task.
   - **Task**: enter the task content.
   - **Start date**: enter the starting date.
   - **Due date**: enter the ending date.
   - **Priority**: select a priority level.
4. Press <**Options**> and select **Save**.

Entering a memo

1. Press <**Options**> and select **New** → **Memo**.
2. Enter the memo text and press [Down].
3. Enter the date.
4. Press <**Options**> and select **Save**.

Viewing an event

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.
- **New**: add a new event.
- **Completed**/**To do**: change the status of the selected task.
- **Month view**: switch to the month view screen.
- **Week view**: switch to the week view screen.
- **Change date**/**Change due date**/**Reschedule**: change the date of the event.
- **Delete**: delete the selected event.
- **Delete all**: delete all of the events for the selected day.
- **Send schedule**/**Send task**: send the event via SMS, e-mail, file messenger, Bluetooth, or infrared port.
- **Send memo**: send the memo via SMS.

Week view *(OK 7.3)*

Use this menu to view events for the selected week. The current date is marked in blue. Square brackets on a calendar date indicate the types of events scheduled for that day.

1. Scroll up to the date line and press [Left] or [Right] to access another week.
2. Select the time cell that contains the event you want.

Today's events *(OK 7.4)*

Use this menu to view events for the selected date.

Select an event to view its details. The event opens in Edit mode.

Schedule *(OK 7.5)*

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

Select a schedule item to view its details.

Anniversary *(OK 7.6)*

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

Select an anniversary item to view its details.

Task *(OK 7.7)*

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.

Select a task to view its details.

Memo *(OK 7.8)*

This menu displays memos you have created.

Select a memo to view its details.

Missed event alarm *(OK 7.9)*

When you are unable to acknowledge an alarm for a scheduled event or anniversary, the phone stores the event alarm until you confirm it.

1. Select an event.
2. Press <**Confirm**> to confirm and delete the event.

Memory status *(OK 7.0)*

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

Camera *(OK 8)*

You can use the camera module embedded in your phone to take photos and record videos. Using the **Camera** menu, you can turn on the camera and manage your photos and video clips.

To access this menu, press [**OK**] in Idle mode and select **Camera**, or press and hold [📷].

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

Taking a photo

The camera will 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, access the **Camera** menu or press and hold [📷].
2. Press [📷] to switch between the interior lens below the display and the exterior lens on the external of the phone.
3. Adjust the image by aiming the lens at the subject.
   - Press <**Options**> to use the camera options. See the next section.
   - Use the keypad to change the camera settings or switch to other modes. ▶ p. 63
4. Press [**OK**] to take a photo. The photo is saved in the **Pictures** folder.

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

5.

To	Press
use photo options	<**Options**>. ▶ p. 64
delete the photo	<**Delete**> or [**C**].
return to Capture mode	[**OK**].

Using camera options in Capture mode

In Capture mode, press <**Options**> to access the following options:

- **Take photo**: take a photo.
- **Record video**: switch to Record mode.
- **Switch camera**: switch between the interior lens and the exterior lens.
- **Go to photos**: display the photos stored in the **Pictures** folder. ▶ p. 52
- **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 still images the camera will take.

Mosaic shot: take several stills and saves them in one frame. You can select the layout.

- **Effects**: change the colour tone of the image.
- **Frames**: apply a decorative frame.
- **Flash**: set the flash setting.
- **Timer**: set a time delay before the camera takes a photo.
- **Zoom**: display the zoom control bar.
- **Brightness**: display the brightness control bar.
- **Camera settings**: change the default settings for taking a photo.

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

  Default storage: select a memory location to store photos.

  Viewfinder: select a preview mode, either Full Screen mode or Normal mode with actual ratio.

  Shutter sound: select a camera shutter sound.

  Capture quality: select an image quality.

  Image size: select an image size.

  Multi shot speed: select the shutter speed between each shot in Multi Shot mode.

  Spot metering: adjust the exposure based on a specific area of the image. Select **On** to display the spot focus frame in the middle of the image, and change the exposure according to the brightness of the image fragment in the frame.

  ISO: change the ISO setting, which controls the sensitivity of your camera. For low light situations, lower the ISO number to increase the quality. The higher the ISO number, the faster the camera shutter functions and the more sensitive the camera is to light. Higher ISO settings may bring some distortion to an image.

  White balance: adjust the colour balance of the photo. You can make your photo appear warmer or cooler.

- **Camera shortcuts**: view the functions of the keys you can use in Capture mode.

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.
Left/ Right	Adjusts the brightness of the image.
Up/ Down	Zooms in or out.
1	Switches to Record mode. ▶ p. 64
2	Changes the image size.
3	Changes the image quality.

Key	Function
4	Changes the shooting mode and the number of photos.
5	Changes the colour tone of the image.
7	Adds a decorative frame.
8	Sets the timer.
9	Goes to the **Pictures** folder. ▶ p. 52
*	Changes the preview mode.
0	Turns the flash on or off.

Using photo options

After saving a photo, press <**Options**> to access the following options:

- **Viewfinder**: return to Capture mode.
- **View**: open the selected photo when you take multiple photos.
- **Send**: send the photo via MMS, e-mail, file messenger, Bluetooth, or infrared port.
- **Delete**: delete the photo.
- **Set as**: set the photo as your wallpaper for main or external display, or as a caller ID image for a contact.
- **Go to photos**: display the photos stored in the **Pictures** folder. ▶ p. 52
- **Rename**: change the name of the photo.

Recording a video

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. The camera will produce 3gp video clips.

1. To turn on the camera, access the **Camera** menu or press and hold [📷].
2. Press [**1**] to switch to Record mode.
3. Press [📷] to switch between the interior lens below the display and the exterior lens on the external of the phone.
4. Adjust the image by aiming the lens at the subject.
   - Press <**Options**> to use the camera options. ▶ p. 65
   - Use the keypad to change the camera settings or switch to other modes. ▶ p. 65
5. Press [**OK**] to start recording.

   To pause, press <**Pause**>.
6. When you have finished, press [**OK**]. The video automatically saves in the **Videos** folder.
7.

To	Press
use the video options	<**Options**>. ▶ p. 65
delete the video clip	<**Delete**> or [**C**].
return to Record mode	[**OK**].

Using camera options in Record mode

In Record mode, press <**Options**> to access the following options:

- **Record**: start recording.
- **Take photo**: switch to Capture mode.
- **Switch camera**: switch between the interior lens or exterior lens.
- **Go to videos**: display the video clips stored in the **Videos** folder. ▶ p. 53
- **Effects**: change the colour tone of the image.
- **Flash**: change the flash setting.
- **Zoom**: display the zoom control bar.
- **Brightness**: display the brightness control bar.
- **Video settings**: change the following settings for recording a video:

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

  Default storage: select a memory location to store video clips.

  Quality: select an image quality.

  Recording time: select a video recording mode.

  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.

  Select **Limit for MMS** to record a video suitable for an MMS message.

  Size: select an image size.

  Audio record: record audio with a video clip.
- **Camcorder shortcuts**: view the functions of the keys you can use in Record mode.

Using the keypad in Record mode

Key	Function
▲	Flips the image vertically.
▼	Shows the mirror image.
Left/ Right	Adjusts the image brightness.
Up/Down	Zooms in or out.
1	Switches to Capture mode. ▶ p. 62
2	Changes the frame size.
3	changes the image quality.
4	Changes the video recording mode.
5	Changes the colour tone of the image.
7	Turns the audio on or off.
9	Goes to the **Videos** folder. ▶ p. 53
0	Turns the flash on or off.

Using video options

After saving a video clip, press <**Options**> to access the following options:

- **Play**: play back the video clip.
- **Viewfinder**: return to Record mode.

- **Send**: send the video clip via MMS, e-mail, file messenger, Bluetooth, or infrared port.
- **Delete**: delete the video clip.
- **Go to videos**: display the video clips stored in the **Videos** folder. ▶ p. 53
- **Rename**: change the name of the video clip.

Settings *(OK 9)*

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

To access this menu, press [**OK**] in Idle mode and select **Settings**.

Profiles *(OK 9.1)*

Your phone provides you with sound profiles that allow you to quickly and easily change the sound settings of the phone for different events or situations. Use this menu to adjust the properties of each profile and activate the profile you need.

Editing a profile

1. Select the profile you want.
2. Press <**Options**> and select **Edit**.
3. Change the sound settings:
   - **Call alert type**: press [**OK**] and select an alert type for the call ringer.
   - **Voice call ringtone**: press [**OK**] and select a ringtone for the voice call ringer.
   - **Video call ringtone**: press [**OK**] and select a ringtone for the video call ringer.
   - **Tone volume**: adjust the volume for the call ringer.
   - **Message alert type**: press [**OK**] and select an alert type for the message ringer.
   - **Message alert tone**: press [**OK**] and select a ringtone for the message ringer.
   - **Message alert repetition**: select if the phone repeats reminding you of a new message.
   - **Phone sounds**: press [**OK**] and turn the various sounds on the phone on or off.

     All on: 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 a call is connected to the system.

     Call end tone: cause the phone to beep when a call is disconnected by the other person or the faded signal.

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

     Folder open/close: cause the phone to sound when you open or close the phone.

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.

- **Key tones**: press [**OK**] and select a tone which sounds when you press a key.
- **Key tone volume**: adjust the volume of the key tones.
- **Call answer mode**: (for Car) press [**OK**] and select how to answer an incoming call when the phone is connected to a hands-free car kit.

4. When you have finished, press <**Options**> and select **Save**.

Changing the active profile

From the profile list, select the profile you want.

Time & date *(OK 9.2)*

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. 37

- **Time**: enter the current time.
- **Date**: enter the current date.
- **Time format**: select a 12-hour or 24-hour time format.
- **Date format**: select a date format.
- **Summer time**: activate daylight savings time.
- **Auto update**: select to receive time information from your network.

Phone *(OK 9.3)*

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

Language *(OK 9.3.1)*

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

Shortcuts *(OK 9.3.2)*

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.

Active folder *(OK 9.3.3)*

Use this menu to answer incoming calls by opening the phone.

Anykey answer *(OK 9.3.4)*

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

Side key *(OK 9.3.5)*

Use this menu to set how the phone reacts when you press and hold [▲/▼] when a call comes in.

- **Reject**: the keys rejects the call.
- **Silence**: the keys mutes the call ringer.

Key management *(OK 9.3.6)*

Use this menu to manage the license keys you have acquired to activate media contents locked by DRM systems.

Display *(OK 9.4)*

Use this menu to change settings for the display and the light.

Greeting message *(OK 9.4.1)*

Use this menu to enter the greeting that is displayed on the main display or external display.

Wallpaper *(OK 9.4.2)*

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

Cover LCD *(OK 9.4.3)*

Use this menu to change the settings for the external display.

1. Select a display item type.
   - **Clock**: you can select a clock type.
   - **Cover title**: you can set a banner message.
   - **Wallpaper**: you can select a wallpaper image.
2. Select the image you want or enter the banner message.

   For **Wallpaper**, you can select a section of an image.
3. Press <**Save**> or [**OK**].
4. Press <**Change**>.

LCD brightness *(OK 9.4.4)*

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

Backlight *(OK 9.4.5)*

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

- **On**: select the length of time the backlight stays on in times of inactivity.
- **Dim**: select the length of time the display is in Dimming mode after the backlight turns off.
- **Sub LCD indicator**: set whether or not the icons are shown on the external display after the display turns off.

Dialing display *(OK 9.4.6)*

Use this menu to customise the settings for the screen when entering a phone number for dialling.

- **Font size**: select a font size.
- **Font colour**: select a font colour.
- **Background colour**: select a background colour.

Call *(OK 9.5)*

Use this menu to set options for call functions.

Caller ID *(OK 9.5.1)*

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.

Diverting *(OK 9.5.2)*

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.
   - **Unreachable**: 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 the call diverting options.
3. Enter the number to which the calls will be diverted in the **Divert 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 the call diverting, select **Deactivate**.

Barring *(OK 9.5.3)*

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 outgoing calls.
   - **Outgoing int'l calls**: prohibit international calls.
   - **Int'l calls exc. Home**: only allow calls to numbers within the current country when you are abroad, and to your home country.
   - **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 the 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 type list, press <**Options**> and select **Change password**.

Waiting *(OK 9.5.4)*

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 *(OK 9.5.5)*

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

Closed user group *(OK 9.5.6)*

Use this menu to set incoming and outgoing calls to be restricted to a selected user group. For details about how to create a closed user group, contact your service provider.

- **Use user group**: activate CUG index numbers.
- **Outside access**: enable calls to numbers other than those in the Closed user group. This feature depends on the nature of your CUG subscription.
- **Default group**: enable the default CUG, if you have set one with your service provider. When making a call, you are given the option of using your default CUG, instead of selecting one from the list.
- **Group index**: add, delete, or activate CUG index numbers.

Video call *(OK 9.5.7)*

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 each time you answer a video call.

  Always: the camera is always used.
- **Retry by**: set how to retry when the phone fails to make a video call, by MMS or voice call.

Connectivity *(OK 9.6)*

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

Bluetooth *(OK 9.6.1)*

Using Bluetooth wireless, you can connect the phone wirelessly to other Bluetooth devices and exchange data with them, talk hands-free, or control the phone remotely.

Bluetooth technology allows free wireless connections between all Bluetooth-compliant devices within a range of 10 metres. Since the devices communicate using radio waves, they do not need to be in line of sight to each other.

- It is recommended that you don't use the Bluetooth feature while using multimedia features such as voice recorder, camera, and Media player, or vice versa, for a good performance.
- 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 service**: display available Bluetooth services.

Searching for and pairing with a Bluetooth device

1. From the Bluetooth setting options, select **My devices**.
2. Select **Search new device**.

   After searching, a list of devices to which you can connect is displayed. The following icons indicate the type 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 device.
4. Enter a Bluetooth PIN code 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. You need to enter the Bluetooth PIN.
- **Disconnect**: end the connection with the device.
- **Browse device**: search for data from the selected device and import data directly to your phone.
- **Authorised device**/**Unauthorised 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 devices.
- **Rename**: rename the selected device.

Sending data via Bluetooth

1. Activate the Bluetooth feature.
2. Select the application in which the item you want to send is stored.
3. Scroll to the item and press <**Options**>.
4. Select **Send** → **Via bluetooth**.

   The phone searches for devices within range and displays a list of available devices.
5. Select a device.
6. If necessary, enter the Bluetooth PIN needed for pairing and press <**OK**>.

Receiving data via Bluetooth

To receive data via Bluetooth, your phone's Bluetooth feature must be active.

If an unauthorised Bluetooth device sends data to your phone, the phone displays a confirmation message. To receive data, press <**Yes**>.

Infrared *(OK 9.6.2)*

Use this feature to send and receive data through the infrared port. To use an infrared connection, you must do the following:

- Configure and activate an IrDA-compliant infrared port on the other device.
- Activate the infrared feature on your phone; select **Infrared** → **On**.

- Align the IrDA port on the phone with the IrDA port on the other device.

If there is no communication between your phone and the other IrDA-compliant device within 60 seconds of activating the feature, it is automatically deactivated.

Network *(OK 9.6.3)*

Use this menu to change the settings for connecting to your cellular network.

- **Network selection**: select 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.
- **Network mode**: select the network you use.

  Automatic: the phone scans for available networks.

  GSM 900/1800: the phone operates in the combined GSM 900/1800 network.

  GSM 1900: the phone operates in the GSM 1900 network. This option is only available in USA.

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

Connections *(OK 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.

Creating or editing a connection profile

Press <**Options**> and select **New**, or select the connection profile you want to edit. 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 **WAP**, **HTTP**, and **Other**.
- **Home URL**: enter your homepage address.
- **Proxy address**/**Port**: (for the HTTP protocol) set the proxy server address and port.
- **Gateway address**: (for the WAP protocol) set the gateway address.

- **Secure connection**: (for 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 connection profiles

On the list of connection profiles, scroll to a profile and press <**Options**> to access the following options:

- **Edit**: edit the selected connection profile.
- **New**: add a new connection profile.
- **Rename**: change the name of the selected connection profile.
- **Delete**: delete the selected connection profile.
- **Restore**: restore the changed settings to the default status.

☑ You cannot edit or delete the default connection profiles.

Application settings *(OK 9.7)*

You can customise the settings for using applications available on the phone.

Internet *(OK 9.7.1)*

Use this menu to select a connection profile to be used for accessing the Internet. You can also make or edit a profile. ▶ p. 73

Messages *(OK 9.7.2)*

Use this menu to change the default settings for using the message feature. ▶ p. 48

Contacts *(OK 9.7.3)*

Use this menu to change the settings for using Phonebook. ▶ p. 34

Camera *(OK 9.7.4)*

Use this menu to change the default settings for taking photos. ▶ p. 63

Video recorder *(OK 9.7.5)*

Use this menu to change the default settings for recording video clips. ▶ p. 65

Voice recorder *(OK 9.7.6)*

Use this menu to change the default settings for the voice recorder. ▶ p. 37

Media player *(OK 9.7.7)*

Use this menu to change the default settings for playing media files in the Media player. ▶ p. 36

VOD *(OK 9.7.8)*

Use this menu to activate a connection profile to be used for accessing streaming servers to use VOD services. You can also make or edit a profile. ▶ p. 73

Security *(OK 9.8)*

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

☑ If you enter an incorrect PIN/PIN2 three times in succession, the USIM/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 *(OK 9.8.1)*

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 *(OK 9.8.2)*

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

PIN lock *(OK 9.8.3)*

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

Fixed dialling mode *(OK 9.8.4)*

If supported by your USIM/SIM card, Fixed Dialling 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 USIM/SIM card. To use this feature, you must enter your PIN2.

Change phone password *(OK 9.8.5)*

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

Privacy lock *(OK 9.8.6)*

Use this menu to lock your messages, media contents, contacts, and call logs.

1. Press [**OK**] 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 *(OK 9.8.7)*

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

Change PIN2 code *(OK 9.8.8)*

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

Memory status *(OK 9.9)*

Use this menu to check the amount of memory being used for storing data, such as SMS, MMS, Email, Push messages, File manager, Contacts, and Organiser items. You can also view the amount of shared memory or a memory card.

Reset settings *(OK 9.0)*

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. 75

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

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 USIM/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 USIM/SIM card.
- The PIN lock 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 that 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 that your phone is switched on. ([ ] pressed for more than one second.)
- Be sure that you are accessing the correct cellular network.
- Be sure that you have not set an incoming call barring option.

Your correspondent cannot hear you speaking

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

The phone starts beeping and “Low battery” 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 Phonebook entry

- Use the contact search feature to ensure the number has been stored correctly.
- Re-store the number, if necessary.

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

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

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

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

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

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC 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 wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. Body-worn operations are restricted to Samsung-supplied, approved, or non- Samsung designated accessories that have no metal and must provide at least 1.5 cm separation between the device, including its antenna (whether extended or retracted) and the user's body. Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

1900

- Head: 0.551 W/Kg.
- Body-worn: 0.337 W/Kg.

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. This site uses the phone FCC ID number A3LSGHZ310. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called “cell,” “mobile,” or “PCS” phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called “cordless phones,” which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- "Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- "Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- "Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- "National Institute for Occupational Safety and Health
- "Environmental Protection Agency
- "Federal Communications Commission
- "Occupational Safety and Health Administration
- "National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States

must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the

angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- "If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and

teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hand-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of

Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations:

- FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/
- Environmental Protection Agency (EPA):
  http://www.epa.gov/radiation/
- Occupational Safety and Health Administration's (OSHA):
  http://www.osha.gov/SLTC/radiofrequencyradiation/index.html
- National institute for Occupational Safety and Health (NIOSH):
  http://www.cdc.gov/niosh/emfpg.html
- World health Organization (WHO):
  http://www.who.int/peh-emf/
- International Commission on Non-Ionizing Radiation Protection:
  http://www.icnirp.de
- National Radiation Protection Board (UK):
  http://www.nrpb.org.uk
- Updated 4/3/2002: US food and Drug Administration
  http://www.fda.gov/cellphones

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.
5. Do not take notes or look up phone numbers while driving. Jotting down a “to do” list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.wow-com.com

Provided by the Cellular Telecommunications & Internet Association

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

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

Using Your Phone Near Other Electronic Devices

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

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.
- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

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

Hearing Aids

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

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care

facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

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

Potentially Explosive Environments

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

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

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press[ ].

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

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

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

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

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Battery march Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Changes or modifications made in the radio phone, not expressly approved by Samsung, will void the user's authority to operate the equipment.

Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.

- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Hold the phone with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

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

- Keep the phone and all its parts and accessories out of the reach of small children.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not 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, a stove or a radiator. The phone may explode when overheated.
- When the phone or battery gets wet, the label indicating water damage inside the phone changes color. In this case, phone repairs are no longer guaranteed by the manufacturer's warranty, even if the warranty for your phone has not expired.
- If your phone has a flash or light, do not use it too close to the eyes of people or animals. This may cause damage to their eyes.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

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